

JOINT NATURE CONSERVATION COMMITTEE

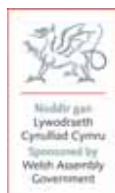
JNCC Report

No. 423

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

V. Blyth-Skyrme, C. Lindenbaum, E. Verling, K. Van Landeghem,
K. Robinson, A. Mackie & T. Darbyshire

October 2008



© JNCC, Peterborough 2008
ISSN 0963-8091

For the complete report please visit
<http://www.jncc.gov.uk/page-4542>

9.2 Results of PSA from Emu

Table 15 Raw PSA weight data

Site name	17.2, area 4	18.1, area 4	30.1, area 2	31.1, area 2	35.1, area 1	36.2, area 1	40.1, area 1	41.1, area 1
Lab registration no.	WL017221	WL017222	WL017223	WL017224	WL017225	WL017226	WL017227	WL017228
Total start dry weight (g)	383.390	468.480	173.040	339.300	181.840	228.060	489.720	122.830
Dry weight after wet split (g)	333.790	434.900	N/a	N/a	N/a	N/a	465.190	95.340
Difference (g)	49.600	33.580	N/a	N/a	N/a	N/a	24.530	27.490
Sieve aperture (μm)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)
63000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31500	129.323	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16000	0.000	52.686	0.000	13.903	7.648	0.000	0.000	5.158
8000	5.007	14.884	3.048	26.997	14.479	5.456	26.388	14.164
4000	14.600	19.600	14.557	58.892	33.217	16.093	29.817	11.264
2000	14.179	37.157	28.912	81.015	31.837	26.122	32.913	10.064
1000	10.867	16.395	21.001	84.865	24.610	49.187	65.453	11.825
500	17.946	71.096	12.857	45.602	25.500	62.242	226.647	25.882
250	99.362	161.840	63.478	18.711	36.697	49.196	66.983	8.820
125	36.066	50.906	20.460	6.380	4.706	14.347	11.511	5.422
>63	6.120	9.498	1.255	1.590	1.114	2.216	4.827	2.621
<63	0.313	0.831	7.466	1.217	1.667	2.622	0.643	0.115
Total weight	333.783	434.893	173.034	339.172	181.475	227.481	465.182	95.335

Table 16 Fractional data as a percentage of total start dry weight

Site name	17.2, area 4	18.1, area 4	30.1, area 2	31.1, area 2	35.1, area 1	36.2, area 1	40.1, area 1	41.1, area 1
Lab registration no.	WL017221	WL017222	WL017223	WL017224	WL017225	WL017226	WL017227	WL017228
Sieve Aperture (µm)	%	%	%	%	%	%	%	%
63000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31500	33.731	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16000	0.000	11.246	0.000	4.099	4.214	0.000	0.000	4.199
8000	1.306	3.177	1.762	7.960	7.979	2.398	5.388	11.531
4000	3.808	4.184	8.413	17.363	18.304	7.074	6.089	9.170
2000	3.698	7.931	16.709	23.886	17.543	11.483	6.721	8.193
1000	2.834	3.500	12.137	25.021	13.561	21.622	13.365	9.627
500	4.681	15.176	7.430	13.445	14.052	27.361	46.281	21.071
250	25.917	34.546	36.685	5.517	20.222	21.626	13.678	7.181
125	9.407	10.866	11.824	1.881	2.593	6.307	2.351	4.414
>63	1.596	2.027	0.725	0.469	0.614	0.974	0.986	2.134
<63	13.019	7.345	4.315	0.359	0.919	1.153	5.140	22.474

Result: Histogram Table

ID: 17.2, Area4/WL017221	Run No: 2	Measured: 15/9/2005 15:16PM
File: J1110702	Rec. No: 41	Analysed: 15/9/2005 15:16PM
Path: C:\SIZERM\DATA\		Source: Analysed

Sampler: Internal	Analysis: Polydisperse	Measured Beam Obscuration: 20.0 %
Presentation: 4OHD		Residual: 0.195 %
Modifications: None		

Conc. = 0.0095 %Vol	Density = 1.500 g/cm ³	S.S.A.= 1.9317 m ² /g
Distribution: Volume	D[4, 3] = 12.36 um	D[3, 2] = 2.07 um
D(v, 0.1) = 0.71 um	D(v, 0.5) = 4.54 um	D(v, 0.9) = 29.18 um
Span = 6.270E+00	Uniformity = 2.304E+00	

Size (um)	Volume In %	Size (um)	Volume In %	Size (um)	Volume In %	Size (um)	Volume In %
0.313	45.89	7.80	8.37	22.00	4.33	62.00	1.94
3.90	9.25	11.00	7.71	31.00	3.51	125.0	
5.50	9.06	15.60	6.06	44.00	2.82		
7.80		22.00		62.00			

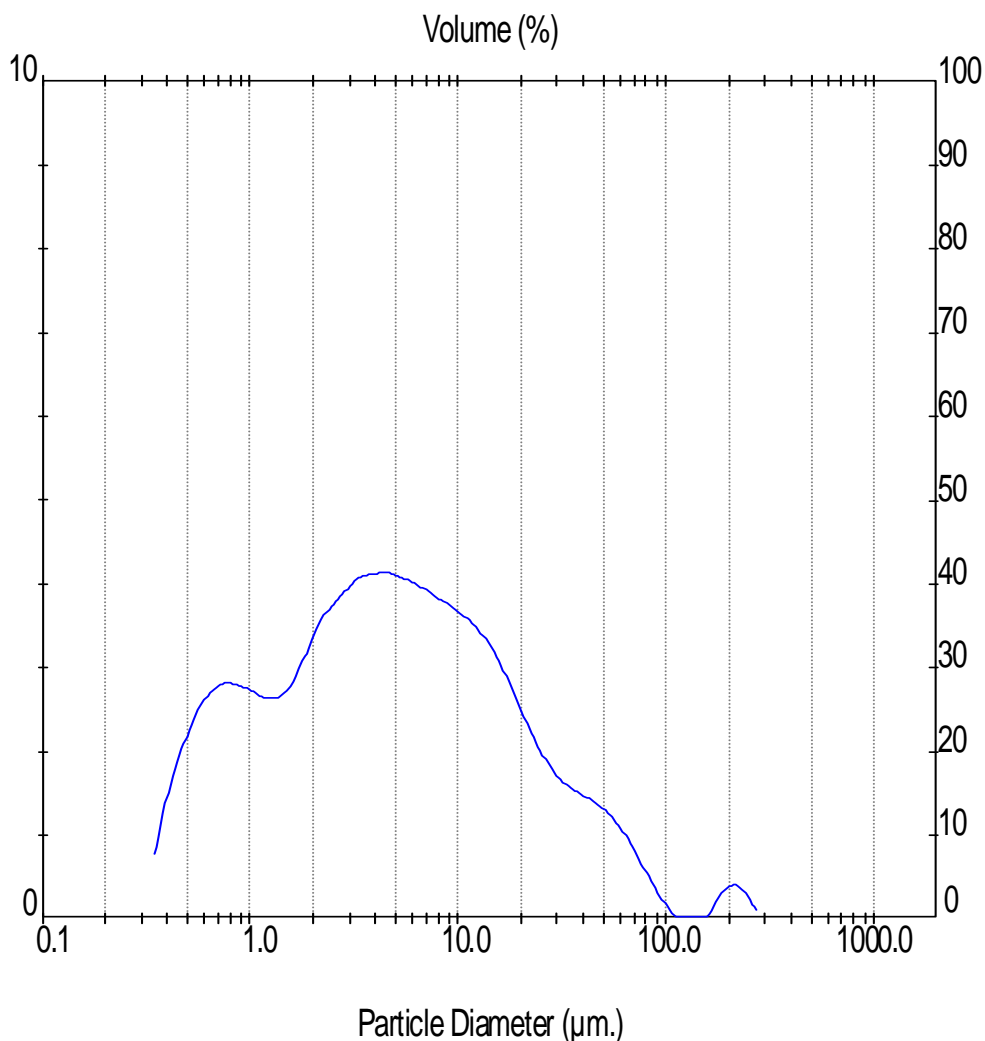


Figure 63. Laser diffraction test results for site 17.2, area 4

Result: Histogram Table

ID: 18.1, Area4/WL017222	Run No: 3	Measured: 15/9/2005 15:30PM
File: J1110702	Rec. No: 42	Analysed: 15/9/2005 15:30PM
Path: C:\SIZERM\DATA\		Source: Analysed

Sampler: Internal	Analysis: Polydisperse	Measured Beam Obscuration: 20.3 %
Presentation: 4OHD		Residual: 0.186 %
Modifications: None		

Conc. = 0.0105 %Vol	Density = 1.500 g/cm ³	S.S.A.= 1.7944 m ² /g
Distribution: Volume	D[4, 3] = 14.09 μ m	D[3, 2] = 2.23 μ m
D(v, 0.1) = 0.74 μ m	D(v, 0.5) = 5.30 μ m	D(v, 0.9) = 42.69 μ m
Span = 7.917E+00	Uniformity = 2.257E+00	

Size (um)	Volume In %	Size (um)	Volume In %	Size (um)	Volume In %	Size (um)	Volume In %
0.313	42.27	7.80	7.60	22.00	5.40	62.00	4.47
3.90	8.65	11.00	6.73	31.00	5.61	125.0	
5.50	8.48	15.60	5.74	44.00	4.98		
7.80		22.00		62.00			

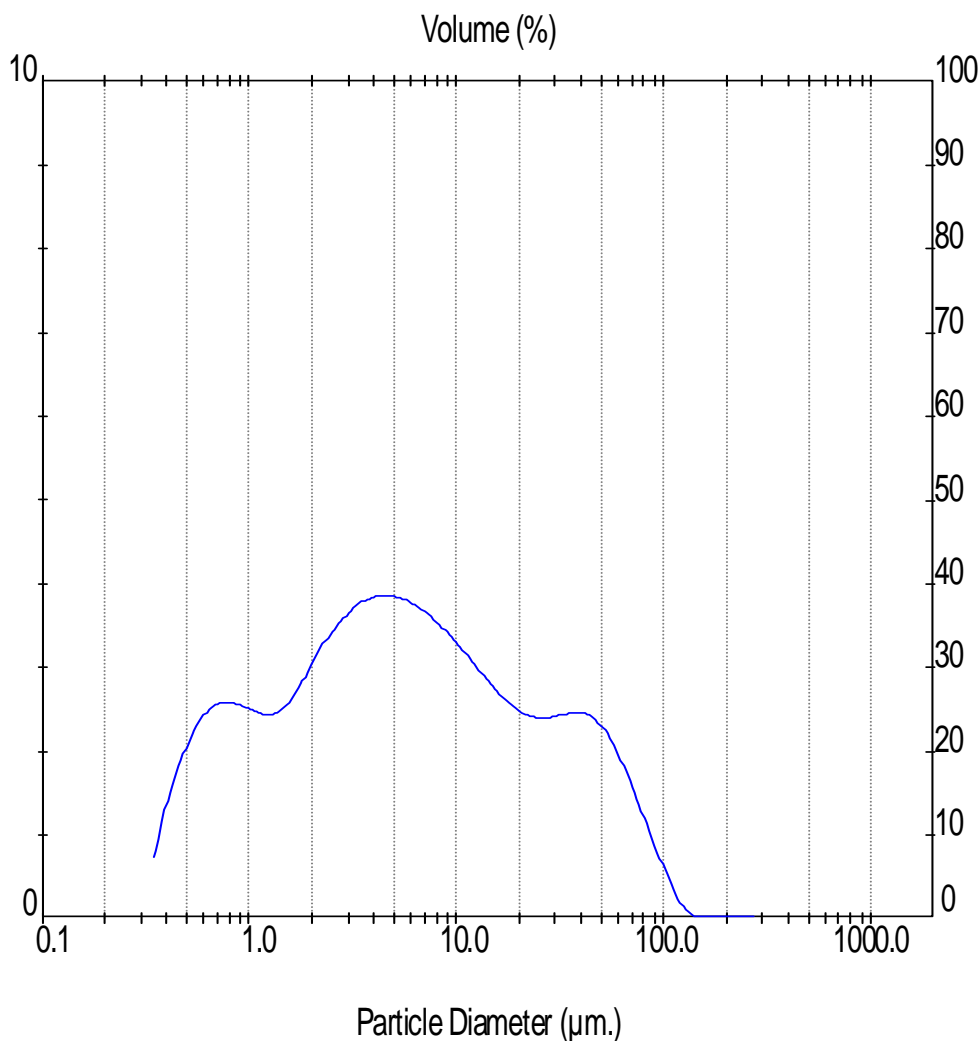


Figure 64. Laser diffraction test results for site 18.1, area 4

Result: Histogram Table

ID: 40.1, Area1/WL017227	Run No: 5	Measured: 15/9/2005 15:53PM
File: J1110702	Rec. No: 44	Analysed: 15/9/2005 15:53PM
Path: C:\SIZERM\DATA\		Source: Analysed

Sampler: Internal	Analysis: Polydisperse	Measured Beam Obscuration: 20.3 %
Presentation: 4OHD		Residual: 0.199 %
Modifications: None		

Conc. = 0.0102 %Vol	Density = 1.500 g/cm ³	S.S.A.= 1.8056 m ² /g
Distribution: Volume	D[4, 3] = 12.97 μ m	D[3, 2] = 2.22 μ m
D(v, 0.1) = 0.75 μ m	D(v, 0.5) = 4.97 μ m	D(v, 0.9) = 38.56 μ m
Span = 7.608E+00	Uniformity = 2.198E+00	

Size (um)	Volume In %	Size (um)	Volume In %	Size (um)	Volume In %	Size (um)	Volume In %
0.313	43.78	7.80	7.46	22.00	5.55	62.00	3.46
3.90	8.76	11.00	6.71	31.00	5.54	125.0	
5.50	8.37	15.60	5.86	44.00	4.48		
7.80		22.00		62.00			

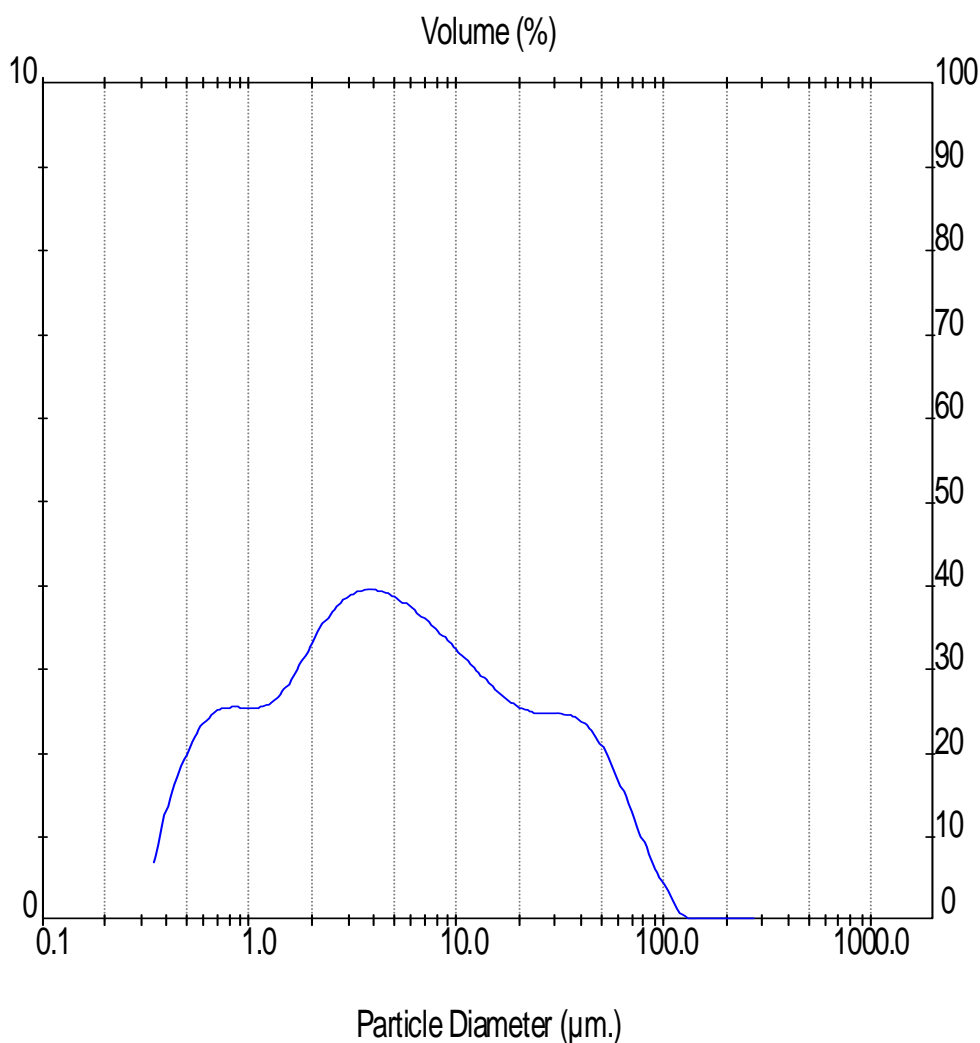


Figure 65. Laser diffraction test results for site 40.1, area 4

Result: Histogram Table

ID: 41.1, Area1/WL017228	Run No: 6	Measured: 15/9/2005 16:05PM
File: J1110702	Rec. No: 45	Analysed: 15/9/2005 16:05PM
Path: C:\SIZERM\DATA\		Source: Analysed

Sampler: Internal	Analysis: Polydisperse	Measured Beam Obscuration: 20.6 %
Presentation: 4OHD		Residual: 0.163 %
Modifications: None		

Conc. = 0.0118 %Vol	Density = 1.500 g/cm ³	S.S.A.= 1.5328 m ² /g
Distribution: Volume	D[4, 3] = 10.34 μ m	D[3, 2] = 2.61 μ m
D(v, 0.1) = 0.96 μ m	D(v, 0.5) = 5.33 μ m	D(v, 0.9) = 24.10 μ m
Span = 4.343E+00	Uniformity = 1.454E+00	

Size (um)	Volume In %	Size (um)	Volume In %	Size (um)	Volume In %	Size (um)	Volume In %
0.313		7.80	10.79	22.00	3.81	62.00	1.80
3.90	38.09	11.00	8.18	31.00	3.04	125.0	
5.50	13.13	15.60	5.55	44.00	2.36		
7.80	13.11	22.00		62.00			

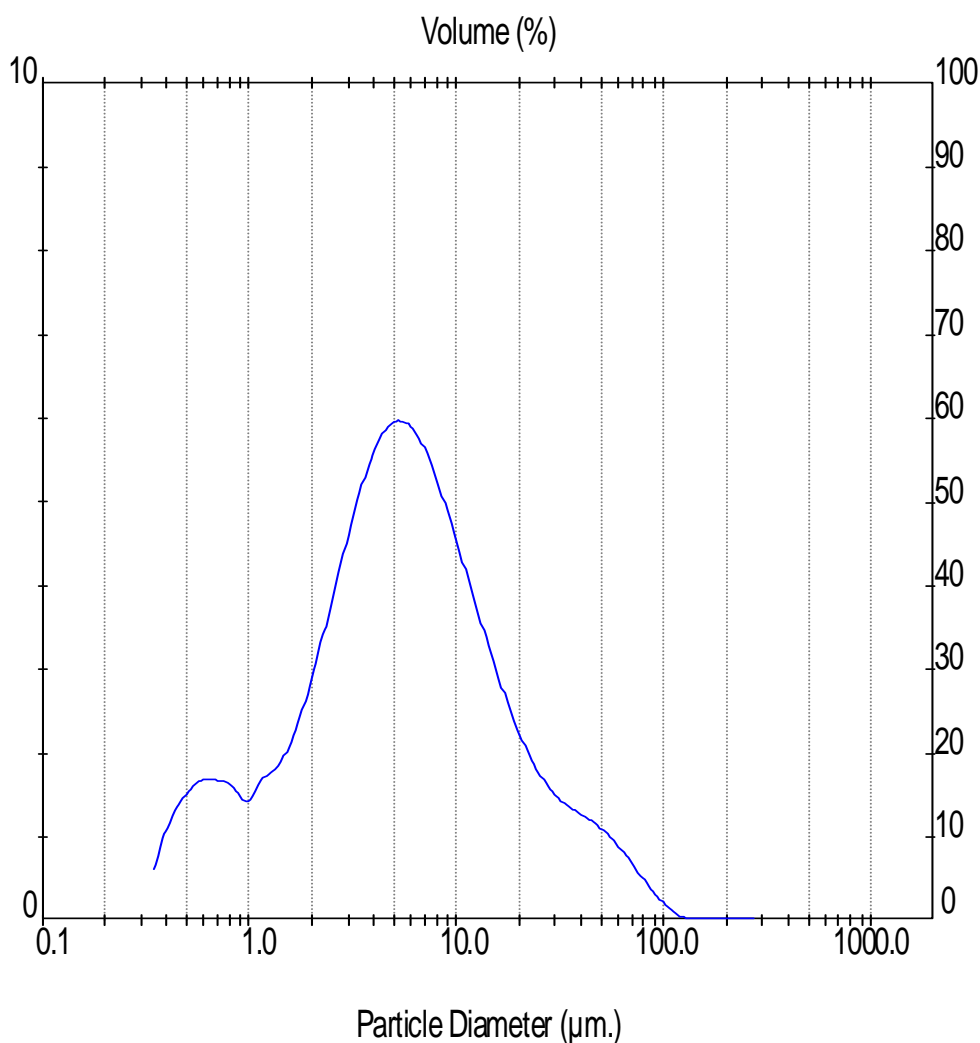


Figure 66. Laser diffraction test results for site 41.1, area 4

9.3 Particle Size Analyses – Statistical methods

(a) Arithmetic Method of Moments

Mean	Standard Deviation	Skewness	Kurtosis
$\bar{x}_a = \frac{\sum f m_m}{100}$	$\sigma_a = \sqrt{\frac{\sum f (m_m - \bar{x}_a)^2}{100}}$	$Sk_a = \frac{\sum f (m_m - \bar{x}_a)^3}{100\sigma_a^3}$	$K_a = \frac{\sum f (m_m - \bar{x}_a)^4}{100\sigma_a^4}$

(b) Geometric Method of Moments

Mean	Standard Deviation	Skewness	Kurtosis
$\bar{x}_g = \exp \frac{\sum f \ln m_m}{100}$	$\sigma_g = \exp \sqrt{\frac{\sum f (\ln m_m - \ln \bar{x}_g)^2}{100}}$	$Sk_g = \frac{\sum f (\ln m_m - \ln \bar{x}_g)^3}{100 \ln \sigma_g^3}$	$K_g = \frac{\sum f (\ln m_m - \ln \bar{x}_g)^4}{100 \ln \sigma_g^4}$

Sorting (σ_g)	Skewness (Sk_g)	Kurtosis (K_g)
Very well sorted < 1.27	Very fine skewed < -1.30	Very platykurtic < 1.70
Well sorted 1.27 – 1.41	Fine skewed -1.30 – -0.43	Platykurtic 1.70 – 2.55
Moderately well sorted 1.41 – 1.62	Symmetrical -0.43 – +0.43	Mesokurtic 2.55 – 3.70
Moderately sorted 1.62 – 2.00	Coarse skewed +0.43 – +1.30	Leptokurtic 3.70 – 7.40
Poorly sorted 2.00 – 4.00	Very coarse skewed > +1.30	Very leptokurtic > 7.40
Very poorly sorted 4.00 – 16.00		
Extremely poorly sorted > 16.00		

(c) Logarithmic Method of Moments

Mean	Standard Deviation	Skewness	Kurtosis
$\bar{x}_\phi = \frac{\sum f m_\phi}{100}$	$\sigma_\phi = \sqrt{\frac{\sum f (m_\phi - \bar{x}_\phi)^2}{100}}$	$Sk_\phi = \frac{\sum f (m_\phi - \bar{x}_\phi)^3}{100\sigma_\phi^3}$	$K_\phi = \frac{\sum f (m_\phi - \bar{x}_\phi)^4}{100\sigma_\phi^4}$

Sorting (σ_ϕ)	Skewness (Sk_ϕ)	Kurtosis (K_ϕ)
Very well sorted < 0.35	Very fine skewed > +1.30	Very platykurtic < 1.70
Well sorted 0.35 – 0.50	Fine skewed +0.43 – +1.30	Platykurtic 1.70 – 2.55
Moderately well sorted 0.50 – 0.70	Symmetrical -0.43 – +0.43	Mesokurtic 2.55 – 3.70
Moderately sorted 0.70 – 1.00	Coarse skewed -0.43 – -1.30	Leptokurtic 3.70 – 7.40
Poorly sorted 1.00 – 2.00	Very coarse skewed < -1.30	Very leptokurtic > 7.40
Very poorly sorted 2.00 – 4.00		
Extremely poorly sorted > 4.00		

(d) Logarithmic (Original) Folk and Ward (1957) Graphical Measures

Mean	Standard Deviation	Skewness	Kurtosis		
$M_z = \frac{\phi_{16} + \phi_{50} + \phi_{84}}{3}$	$\sigma_l = \frac{\phi_{84} - \phi_{16}}{4} + \frac{\phi_{95} - \phi_5}{6.6}$	$Sk_l = \frac{\phi_{16} + \phi_{84} - 2\phi_{50}}{2(\phi_{84} - \phi_{16})} + \frac{\phi_5 + \phi_{95} - 2\phi_{50}}{2(\phi_{95} - \phi_5)}$	$K_G = \frac{\phi_{95} - \phi_5}{2.44(\phi_{75} - \phi_{25})}$		
Sorting (σ_l)	Skewness (Sk_l)		Kurtosis (K_G)		
Very well sorted	< 0.35	Very fine skewed	+0.3 to +1.0	Very platykurtic	< 0.67
Well sorted	0.35 – 0.50	Fine skewed	+0.1 to +0.3	Platykurtic	0.67 – 0.90
Moderately well sorted	0.50 – 0.70	Symmetrical	+0.1 to -0.1	Mesokurtic	0.90 – 1.11
Moderately sorted	0.70 – 1.00	Coarse skewed	-0.1 to -0.3	Leptokurtic	1.11 – 1.50
Poorly sorted	1.00 – 2.00	Very coarse skewed	-0.3 to -1.0	Very leptokurtic	1.50 – 3.00
Very poorly sorted	2.00 – 4.00			Extremely	> 3.00
Extremely poorly sorted	> 4.00			leptokurtic	

(e) Geometric Folk and Ward (1957) Graphical Measures

Mean	Standard Deviation				
$M_G = \exp \frac{\ln P_{16} + \ln P_{50} + \ln P_{84}}{3}$	$\sigma_G = \exp \left(\frac{\ln P_{16} - \ln P_{84}}{4} + \frac{\ln P_5 - \ln P_{95}}{6.6} \right)$				
Skewness	Kurtosis				
$Sk_G = \frac{\ln P_{16} + \ln P_{84} - 2(\ln P_{50})}{2(\ln P_{84} - \ln P_{16})} + \frac{\ln P_5 + \ln P_{95} - 2(\ln P_{50})}{2(\ln P_{25} - \ln P_5)}$	$K_G = \frac{\ln P_5 - \ln P_{95}}{2.44(\ln P_{25} - \ln P_{75})}$				
Sorting (σ_G)	Skewness (Sk_G)	Kurtosis (K_G)			
Very well sorted	< 1.27	Very fine skewed	-0.3 to -1.0	Very platykurtic	< 0.67
Well sorted	1.27 – 1.41	Fine skewed	-0.1 to -0.3	Platykurtic	0.67 – 0.90
Moderately well sorted	1.41 – 1.62	Symmetrical	-0.1 to +0.1	Mesokurtic	0.90 – 1.11
Moderately sorted	1.62 – 2.00	Coarse skewed	+0.1 to +0.3	Leptokurtic	1.11 – 1.50
Poorly sorted	2.00 – 4.00	Very coarse skewed	+0.3 to +1.0	Very leptokurtic	1.50 – 3.00
Very poorly sorted	4.00 – 16.00			Extremely	> 3.00
Extremely poorly sorted	> 16.00			leptokurtic	

Figure 67: Statistical formulae used in the calculation of grain size parameters. f is the frequency in percent; m is the mid-point of each class interval in metric (m_m) or phi (m_ϕ) units; P_x and Φ_x are grain diameters, in metric or phi units respectively, at the cumulative percentile value of x .

9.4 SACFOR abundance scale

Abundance scale use of littoral and sublittoral taxa

(see also <http://www.jncc.gov.uk/page-2684>)

Growth form			Size of individuals/colonies				Density	
% cover	Crust/ meadow	Massive/ turf	<1cm	1–3 cm	3–15 cm	>15 cm		
>80%	S		S				>1/0.001 m ² (1x1 cm)	>10,000 / m ²
40–79%	A	S	A	S			1–9/0.001 m ²	1000–9999 / m ²
20–39%	C	A	C	A	S		1–9 / 0.01 m ² (10 x 10 cm)	100–999 / m ²
10–19%	F	C	F	C	A	S	1–9 / 0.1 m ²	10–99 / m ²
5–9%	O	F	O	F	C	A	1–9 / m ²	
1–5% or density	R	O	R	O	F	C	1–9 / 10m ² (3.16 x 3.16m)	
<1% or density		R		R	O	F	1–9 / 100 m ² (10 x 10m)	
					R	O	1–9 / 1000 m ² (31.6 x 31.6m)	
						R	<1/1000 m ²	

Key:

S = Superabundant

A = Abundant

C = Common

F = Frequent

O = Occasional

R = Rare

9.5 Full PSA sample statistics including laser diffraction results.

		35.1, Area 1	36.2, Area 1	40.1, Area 1	41.1, Area 1	30.1, Area 2	31.1, Area 2	17.2, Area 4	18.1, Area 4
Method of Moments Logarithmic (ϕ)	Mean (\bar{x}_ϕ):	-0.714	0.216	0.418	1.156	0.714	-1.134	-0.321	0.640
	Sorting (σ_ϕ):	2.088	1.734	2.242	4.103	2.410	1.680	4.538	3.007
	Skewness (Sk_ϕ):	0.778	1.168	1.781	0.792	1.391	0.783	0.457	0.502
	Kurtosis (K_ϕ):	5.635	9.052	9.260	2.630	6.655	6.943	2.479	4.456
Folk and Ward Method (μM)	Mean (M_G):	1675.9	893.0	886.5	390.8	704.1	2239.6	1468.5	811.2
	Sorting (σ_G):	3.834	2.938	3.385	21.91	3.458	3.090	19.42	7.547
	Skewness (Sk_I):	-0.019	0.113	0.115	-0.339	0.393	0.014	0.248	0.268
	Kurtosis (K_G):	0.738	1.036	2.015	1.125	0.804	1.057	0.823	1.471
Folk and Ward Method (ϕ)	Mean	-0.745	0.163	0.174	1.355	0.506	-1.163	-0.554	0.302
	Sorting	1.939	1.555	1.759	4.453	1.790	1.628	4.279	2.916
	Skewness	0.019	-0.113	-0.115	0.339	-0.393	-0.014	-0.248	-0.268
	Kurtosis	0.738	1.036	2.015	1.125	0.804	1.057	0.823	1.471

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

		35.1, Area 1	36.2, Area 1	40.1, Area 1	41.1, Area 1	30.1, Area 2	31.1, Area 2	17.2, Area 4	18.1, Area 4
Folk and Ward Method (Description)	Mean:	Very Coarse Sand	Coarse Sand	Coarse Sand	Medium Sand	Coarse Sand	Very Fine Gravel	Very Coarse Sand	Coarse Sand
	Sorting:	Poorly Sorted	Poorly Sorted	Poorly Sorted	Extremely Poorly Sorted	Poorly Sorted	Poorly Sorted	Extremely Poorly Sorted	Very Poorly Sorted
	Skewness:	Symmetrical	Coarse Skewed	Coarse Skewed	Very Fine Skewed	Very Coarse Skewed	Symmetrical	Coarse Skewed	Coarse Skewed
	Kurtosis:	Platykurtic	Mesokurtic	Very Leptokurtic	Leptokurtic	Platykurtic	Mesokurtic	Platykurtic	Leptokurtic
	Mode 1 (µm):	375.0	750.0	750.0	750.0	375.0	1500.0	47250.0	375.0
	Mode 2 (µm):	6000.0			12000.0	3000.0		375.0	23750.0
	Mode 3 (µm):				4.700				3000.0
	Mode 1 (φ):	1.500	0.500	0.500	0.500	1.500	-0.500	-5.477	1.500
	Mode 2 (φ):	-2.500			-3.500	-1.500		1.500	-4.489
	Mode 3 (φ):				7.754				-1.500
	D ₁₀ (µm):	305.8	262.9	270.1	4.604	167.2	547.9	12.85	130.1
	D ₅₀ (µm):	1809.4	828.6	758.7	787.1	467.6	2201.5	504.5	454.2
	D ₉₀ (µm):	9678.9	3874.7	4732.5	11290.2	4057.9	9570.9	51297.8	17247.4
	(D ₉₀ / D ₁₀) (µm):	31.65	14.74	17.52	2452.1	24.27	17.47	3992.8	132.6
	(D ₉₀ - D ₁₀) (µm):	9373.2	3611.9	4462.4	11285.6	3890.7	9023.0	51285.0	17117.2
	(D ₇₅ / D ₂₅) (µm):	9.539	4.132	2.694	29.85	7.418	4.352	146.9	8.318
	(D ₇₅ - D ₂₅) (µm):	4409.3	1331.7	883.7	3834.1	1871.0	3675.7	37434.3	2012.8

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

		35.1, Area 1	36.2, Area 1	40.1, Area 1	41.1, Area 1	30.1, Area 2	31.1, Area 2	17.2, Area 4	18.1, Area 4
	D ₁₀ (φ):	-3.275	-1.954	-2.243	-3.497	-2.021	-3.259	-5.681	-4.108
	D ₅₀ (φ):	-0.855	0.271	0.398	0.345	1.097	-1.139	0.987	1.139
	D ₉₀ (φ):	1.709	1.928	1.889	7.763	2.581	0.868	6.282	2.942
	(D ₉₀ / D ₁₀) (φ):	-0.522	-0.986	-0.842	-2.220	-1.277	-0.266	-1.106	-0.716
	(D ₉₀ - D ₁₀) (φ):	4.984	3.882	4.131	11.26	4.601	4.127	11.96	7.051
	(D ₇₅ / D ₂₅) (φ):	-0.415	-1.518	-1.911	-1.464	-1.598	0.059	-0.375	-1.560
	(D ₇₅ - D ₂₅) (φ):	3.254	2.047	1.430	4.899	2.891	2.122	7.198	3.056
	% Gravel:	48.0%	21.0%	18.2%	33.1%	26.9%	53.3%	42.5%	26.5%
	% Sand:	51.0%	77.9%	76.8%	44.8%	68.8%	46.3%	44.7%	66.5%
	% Mud:	0.9%	1.2%	5.0%	22.1%	4.3%	0.4%	12.8%	7.0%
	% V Coarse Gravel:	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	33.0%	0.0%
	% Coarse Gravel:	4.2%	0.0%	0.0%	4.2%	0.0%	4.1%	0.8%	11.2%
	% Medium Gravel:	8.0%	2.4%	5.4%	11.5%	1.8%	8.0%	1.3%	3.2%
	% Fine Gravel:	18.3%	7.1%	6.1%	9.2%	8.4%	17.4%	3.8%	4.2%
	% V Fine Gravel:	17.5%	11.5%	6.7%	8.2%	16.7%	23.9%	3.7%	7.9%
	% V Coarse Sand:	13.6%	21.6%	13.4%	9.6%	12.1%	25.0%	2.8%	3.5%
	% Coarse Sand:	14.1%	27.4%	46.3%	21.1%	7.4%	13.4%	4.7%	15.2%

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

		35.1, Area 1	36.2, Area 1	40.1, Area 1	41.1, Area 1	30.1, Area 2	31.1, Area 2	17.2, Area 4	18.1, Area 4
% Medium Sand:		20.2%	21.6%	13.7%	7.2%	36.7%	5.5%	25.9%	34.5%
% Fine Sand:		2.6%	6.3%	2.4%	4.4%	11.8%	1.9%	9.4%	10.9%
% V Fine Sand:		0.6%	1.0%	1.2%	2.6%	0.7%	0.5%	1.9%	2.4%
% V Coarse Silt:		0.1%	0.1%	0.5%	1.2%	0.4%	0.0%	0.8%	0.8%
% Coarse Silt:		0.1%	0.1%	0.6%	2.1%	0.4%	0.0%	1.4%	0.8%
% Medium Silt:		0.1%	0.1%	0.7%	4.3%	0.4%	0.0%	2.1%	1.1%
% Fine Silt:		0.1%	0.1%	0.9%	5.9%	0.4%	0.0%	2.4%	1.3%
% V Fine Silt:		0.1%	0.1%	0.6%	2.4%	0.4%	0.0%	1.7%	0.9%
% Clay:		0.5%	0.6%	1.6%	6.2%	2.2%	0.2%	4.4%	2.3%

9.6 Grab sample data (infauna)

Station	17.1	17.2	18.1	18.2	30.1	30.2	31.1	31.2	35.1	35.2	36.1	36.2	40.1	40.2	41.1	41.2
<i>Pisone remota</i>	0	0	0	0	0	0	3	0	0	1	0	0	0	2	0	6
<i>Aphrodita aculeata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Hermonia hystrix</i>	2	1	1	0	0	1	0	1	0	0	0	0	0	0	0	0
<i>Adyte pellucida</i>	1	1	0	0	0	0	0	0	1	0	2	5	7	0	1	0
<i>Harmothoinae</i> sp. juv	110	91	30	17	15	59	2	53	50	0	19	9	83	65	94	15
<i>Harmothoinae</i> sp. indet.	7	0	0	0	0	0	0	0	0	0	0	0	0	8	8	0
<i>Malmgrenia</i> sp.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Harmothoe</i> sp.	0	0	0	0	0	2	2	19	0	0	1	0	0	0	0	0
<i>Harmothoe extenuata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Harmothoe fragilis</i>	1	1	0	1	0	1	0	1	1	0	0	0	1	1	0	0
<i>Harmothoe glabra</i>	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Harmothoe impar</i> ?	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Harmothoe pagenstecheri</i>	1	5	1	0	0	0	0	0	0	0	0	0	4	0	0	0
<i>Malmgrenia marphysae</i>	4	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Lepidonotus squamatus</i>	34	61	30	5	2	18	2	15	20	0	0	2	14	15	62	9
<i>Polynoe scolopendrina</i>	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0
<i>Pholoe</i> sp. B	51	79	26	7	1	7	0	12	8	0	1	0	15	16	12	11
<i>Pholoe tuberculata</i>	8	13	2	4	1	10	1	27	1	0	5	4	9	7	27	0
<i>Sthenelais boa</i>	7	2	0	1	0	4	0	1	0	0	0	0	0	0	0	0
<i>Sthenelais zetlandica</i>	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
<i>Eteone</i> cf. <i>flava</i> ?	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Eteone</i> cf. <i>longa</i>	1	1	2	1	3	1	0	2	0	0	0	0	1	0	3	0

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Station	17.1	17.2	18.1	18.2	30.1	30.2	31.1	31.2	35.1	35.2	36.1	36.2	40.1	40.2	41.1	41.2
<i>Hesionura elongata</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	7
<i>Mysta picta</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
<i>Pseudomystides limbata</i>	1	0	0	0	1	0	3	5	0	0	0	0	2	3	1	0
<i>Pseudomystides spinachia?</i>	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Notophyllum foliosum</i>	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Phyllodoce lineata?</i>	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
<i>Eulalia</i> sp. juv.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
<i>Eulalia bilineata</i>	0	0	0	0	1	1	0	0	0	0	0	0	0	1	3	1
<i>Eulalia expusilla</i>	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
<i>Eulalia microoculata</i>	0	0	0	1	0	0	0	0	0	0	0	0	3	5	0	0
<i>Eulalia mustela</i>	0	0	1	2	3	1	4	1	1	0	1	1	10	1	3	0
<i>Eulalia tripunctata</i>	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
<i>Eumida</i> sp. juv.	19	10	12	0	3	20	1	5	1	0	1	0	3	1	4	1
<i>Eumida bahusiensis</i>	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Eumida ockelmanni</i>	4	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
<i>Eumida sanguinea</i>	7	3	0	0	1	2	1	1	0	0	0	0	1	1	2	0
<i>Phyllodoce</i> sp.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Pirakia punctifera</i>	0	0	0	0	0	0	0	3	1	0	0	0	0	0	1	0
<i>Pterocirrus macroceros</i>	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Glycera</i> sp. juv.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
<i>Glycera alba</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Glycera gigantea</i>	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0
<i>Glycera lapidum</i>	7	16	17	21	15	2	23	20	3	2	3	8	14	15	11	3
<i>Glycera oxycephala</i>	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Station	17.1	17.2	18.1	18.2	30.1	30.2	31.1	31.2	35.1	35.2	36.1	36.2	40.1	40.2	41.1	41.2
<i>Goniadidae</i> juv.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Glycinde nordmanni</i>	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0
<i>Goniada</i> sp. juv.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Goniadella</i> sp. juv.	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Goniadella gracilis</i>	0	0	0	0	4	0	2	0	0	2	0	0	3	2	1	0
<i>Commensodorum commensalis</i>	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
<i>Sphaerodorum gracilis</i>	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0
<i>Eurysyllis tuberculata</i>	0	0	0	0	0	0	0	2	0	0	1	0	2	0	2	1
<i>Trypanosyllis coeliaca</i>	1	0	0	0	0	0	1	1	0	0	1	0	1	2	2	1
<i>Syllis</i> sp. E	2	2	1	2	4	0	0	4	5	0	1	3	8	13	7	2
<i>Syllis</i> sp. X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
<i>Syllis</i> spp.	13	7	1	0	1	6	0	8	1	2	2	0	2	9	20	2
<i>Amblyosyllis formosa</i>	0	1	0	0	0	2	0	0	3	0	0	0	4	3	3	0
<i>Eusyllis blomstrandii</i>	6	10	13	6	8	12	16	21	25	1	10	12	38	17	37	16
<i>Eusyllis lamelligera</i>	4	7	1	0	0	7	0	4	4	0	2	0	2	0	10	3
<i>Pionosyllis</i> spp.	1	0	0	0	0	0	1	0	0	0	1	0	0	2	0	0
<i>Odontosyllis ctenostoma</i>	0	1	0	0	0	2	0	0	0	0	0	1	1	0	0	0
<i>Syllides benedicti</i>	0	4	0	3	5	0	0	1	0	0	0	0	0	0	2	0
<i>Syllides</i> sp. Y	5	1	1	2	0	5	0	0	0	0	0	0	0	2	1	0
<i>Dioplosyllis cirrosa</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Opisthodonta pterochaeta</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
<i>Opisthodonta</i> sp. A	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	2
<i>Streptosyllis bidentata</i>	0	0	0	1	4	0	0	0	0	2	1	4	1	0	0	2
<i>Brania swedmarki</i>	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	3

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Station	17.1	17.2	18.1	18.2	30.1	30.2	31.1	31.2	35.1	35.2	36.1	36.2	40.1	40.2	41.1	41.2
<i>Exogone hebes</i>	4	33	29	16	4	2	5	4	0	0	1	0	0	4	1	0
<i>Exogone furcifera</i>	0	0	1	0	0	0	0	0	1	0	0	0	2	0	0	0
<i>Exogone naidina</i>	0	1	1	1	1	0	2	2	0	0	0	1	1	1	0	1
<i>Exogone verugera</i>	22	6	10	7	1	0	1	2	0	0	0	1	0	0	3	0
<i>Sphaerosyllis bulbosa</i>	0	6	5	4	4	0	8	11	3	1	14	36	9	15	32	0
<i>Sphaerosyllis erinaceus</i>	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sphaerosyllis taylori</i>	2	3	2	1	11	1	5	11	6	0	5	8	7	9	12	2
<i>Sphaerosyllis tetralix</i>	0	1	0	0	0	2	2	27	1	0	2	1	3	2	3	0
<i>Sphaerosyllis</i> sp. X	1	1	1	0	0	2	1	2	0	0	2	2	5	1	2	0
<i>Sphaerosyllis</i> sp. Y	0	2	0	2	3	0	10	8	5	0	10	38	25	18	14	1
<i>Autolytus</i> spp.	12	34	11	9	6	5	3	25	10	1	8	11	37	5	33	5
<i>Proceraea</i> sp.	1	3	0	0	0	0	0	1	2	0	2	0	5	0	1	2
<i>Procerastea helleziana</i>	0	2	2	0	2	0	0	0	0	0	0	0	0	0	0	0
<i>Hesionidae</i> juv.	0	0	0	0	0	6	4	0	9	0	0	0	0	2	0	2
<i>Gyptis</i> sp. juv.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
<i>Gyptis propinqua</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0
<i>Gyptis rosea</i>	0	0	0	0	1	0	0	1	2	0	1	0	2	0	5	0
<i>Psamathe fusca</i>	5	8	0	0	0	0	0	1	0	0	0	0	5	0	0	0
<i>Podarke pallida</i>	1	3	1	0	0	2	4	4	1	0	0	1	0	1	1	0
<i>Podarkeopsis capensis</i>	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Syllidia armata</i>	1	1	1	2	0	0	0	0	0	0	0	0	1	0	1	0
<i>Nereididae</i> sp.	1	1	0	0	0	0	0	1	0	0	0	0	0	2	3	0
<i>Nereis elitoralis</i>	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0
<i>Nereis longissima</i>	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Station	17.1	17.2	18.1	18.2	30.1	30.2	31.1	31.2	35.1	35.2	36.1	36.2	40.1	40.2	41.1	41.2
<i>Nereis zonata</i>	0	0	0	0	0	2	0	0	0	0	0	0	2	0	0	1
<i>Aglaophamus rubella</i>	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nephtys</i> sp. juv.	3	3	0	1	0	0	0	0	0	0	0	0	1	0	1	0
<i>Nephtys</i> sp. indet.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nephtys kersivalensis</i>	4	1	0	0	0	2	0	1	0	0	0	0	1	0	1	0
<i>Euphrosine</i> sp. juv.	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0
<i>Marphysa bellii</i>	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
<i>Nematonereis unicornis</i>	6	5	4	4	2	0	2	0	1	0	4	1	2	4	7	1
<i>Lumbrineris</i> sp. juv.	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
<i>Lumbrineris gracilis</i>	36	6	21	16	3	8	1	9	1	0	7	5	8	4	24	1
<i>Drilonereis</i> sp. indet.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Notocirrus scoticus</i>	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
? <i>Ougia</i> spp.	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Parougia</i> spp.	5	0	0	0	1	1	3	1	0	0	1	0	0	0	0	0
<i>Protodorvillea kefersteini</i>	3	3	1	0	1	1	10	4	0	0	0	0	1	3	0	1
<i>Schistomeringos neglecta</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
<i>Schistomeringos rudolphi</i>	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
<i>Orbiniidae</i> indet.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Orbinia</i> sp. juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Scoloplos armiger</i>	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Aricidea catherinae</i>	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
<i>Aricidea cerrutii</i>	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0
<i>Aricidea</i> cf. <i>philbinae</i>	1	3	6	5	6	0	1	0	0	0	2	0	0	0	0	0
<i>Cirrophorus branchiatus</i>	0	5	0	1	0	0	2	1	1	0	0	1	2	1	0	0

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Station	17.1	17.2	18.1	18.2	30.1	30.2	31.1	31.2	35.1	35.2	36.1	36.2	40.1	40.2	41.1	41.2
<i>Paradoneis cf. ilvana</i>	3	5	3	2	1	1	12	2	4	0	7	10	13	15	5	1
<i>Paradoneis lyra</i>	1	1	6	4	0	1	0	1	1	0	1	4	14	5	18	1
<i>Poecilochaetus serpens</i>	1	0	5	5	17	1	0	0	0	0	0	0	2	1	0	1
? <i>Atherospio</i> sp. (Genus A?)	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
<i>Aonides paucibranchiata</i>	5	26	57	66	94	1	83	32	2	2	12	23	18	40	38	4
<i>Laonice</i> sp.	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
<i>Laonice bahusiensis</i>	11	24	7	10	12	0	19	24	6	0	3	3	5	32	39	2
<i>Prionospio cirrifera</i>	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Prionospio multibranchiata</i>	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Polydora</i> sp.	0	1	0	0	0	5	0	0	0	0	1	0	0	0	0	0
<i>Polydora caeca</i> ?	7	12	2	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Polydora caulleryi</i>	28	37	13	3	2	5	5	10	0	0	0	0	1	1	14	8
<i>Polydora hermaphroditica</i>	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
<i>Polydora sanctijosephi</i> ?	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
<i>Aurospio banyulensis</i>	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
<i>Pseudopolydora</i> sp. juv.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pseudopolydora pulchra</i>	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Scolelepis</i> sp. juv.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Scolelepis foliosa</i>	1	2	0	2	3	0	4	0	0	0	0	0	0	0	0	0
<i>Spio</i> sp. A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
<i>Spio</i> sp.	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Spio armata</i>	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1
<i>Spiophanes bombyx</i>	0	1	0	2	1	0	0	0	0	0	0	0	0	0	0	0
<i>Spiophanes kroyeri</i>	30	19	9	8	6	12	1	2	0	0	1	1	0	0	4	0

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Station	17.1	17.2	18.1	18.2	30.1	30.2	31.1	31.2	35.1	35.2	36.1	36.2	40.1	40.2	41.1	41.2
<i>Chaetopterus variopedatus</i>	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Phyllochaetopterus socialis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
<i>Apistobranchnus tenuis</i>	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
<i>Cirratulidae</i> sp. indet.	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Aphelochaeta</i> sp.	0	0	0	3	2	0	0	2	1	0	1	0	0	3	1	0
<i>Aphelochaeta marioni</i>	0	0	0	2	0	4	0	0	0	0	0	0	0	0	0	0
<i>Caulleriella alata</i>	11	1	1	2	6	6	3	2	1	0	0	1	6	5	4	0
<i>Caulleriella zetlandica</i>	2	1	0	0	2	1	0	2	0	0	0	0	0	0	0	0
<i>Cirratulus</i> sp.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Monticellina dorsobranchialis</i>	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0
<i>Tharyx killariensis</i>	0	1	0	1	0	3	1	0	0	0	0	0	0	0	1	0
<i>Diplocirrus</i> sp. A	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0
<i>Flabelligera affinis</i>	2	2	0	0	0	0	0	5	0	0	0	0	4	2	9	4
<i>Pherusa flabellata</i>	1	3	0	0	0	2	0	3	2	0	0	0	0	1	1	1
<i>Macrochaeta clavicornis</i>	0	0	0	1	0	0	5	7	0	0	2	0	0	3	2	0
<i>Macrochaeta helgolandica</i>	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	1
<i>Capitella capitata</i>	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
<i>Mediomastus fragilis</i>	76	76	69	61	88	36	95	79	2	0	17	15	30	28	46	8
<i>Notomastus</i> sp. B	16	11	8	7	0	1	2	0	0	0	0	0	1	0	2	0
<i>Notomastus</i> sp. C	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Notomastus</i> sp. D	0	3	5	0	2	2	0	1	0	0	1	0	1	3	0	0
<i>Notomastus</i> sp. E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Notomastus</i> sp. juv.	4	3	3	1	0	0	1	0	0	1	0	0	0	0	0	0
<i>Maldanidae</i> sp. indet.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Station	17.1	17.2	18.1	18.2	30.1	30.2	31.1	31.2	35.1	35.2	36.1	36.2	40.1	40.2	41.1	41.2
<i>Euclymeninae</i> spp.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Clymenura</i> sp.	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Clymenura johnstoni</i>	2	0	1	5	11	0	0	1	0	1	0	4	0	1	8	0
<i>Clymenura tricirrata</i>	1	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0
<i>Euclymene</i> sp.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Praxillella affinis</i>	18	21	11	9	25	3	0	6	0	0	0	2	0	0	0	0
<i>Nicomachinae</i> sp. indet.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nicomache trispinata</i>	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Notoproctus</i> sp.	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ophelia</i> sp. juv.	0	0	0	1	5	0	2	0	0	1	0	1	1	0	0	0
<i>Ophelia celtica</i>	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0
<i>Ophelina acuminata</i>	0	0	0	0	0	2	0	1	0	0	0	0	0	1	1	0
<i>Asclerocheilus</i> sp. (no eyes)	5	5	3	5	2	1	0	0	1	0	0	2	0	3	0	0
<i>Asclerocheilus</i> sp. (with eyes)	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Scalibregma celticum</i>	0	0	0	0	1	1	1	1	0	1	2	2	4	1	1	0
<i>Scalibregma inflatum</i>	31	3	1	5	5	9	0	2	0	0	1	2	1	1	1	0
<i>Galathowenia</i> sp.	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Owenia fusiformis</i>	0	1	0	0	2	2	1	0	0	0	1	0	0	0	1	0
<i>Lagis koreni</i>	8	2	0	1	0	4	0	0	0	0	0	0	0	0	0	0
<i>Sabellaria spinulosa</i>	360	318	83	8	1	24	0	2	10	0	0	1	0	57	32	18
<i>Ampharetidae</i> juv.	0	1	0	0	7	0	0	0	0	0	0	2	0	1	2	0
<i>Melinna elisabethae</i>	21	2	1	0	0	3	0	0	0	0	0	0	0	0	0	0
<i>Melinna</i> sp. juv.	38	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
<i>Ampharete lindstroemi</i>	48	48	10	9	21	10	20	15	3	0	0	0	2	11	10	7

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Station	17.1	17.2	18.1	18.2	30.1	30.2	31.1	31.2	35.1	35.2	36.1	36.2	40.1	40.2	41.1	41.2
<i>Anobothrus gracilis</i>	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sabellides octocirrata</i>	65	64	44	14	7	6	0	4	1	0	0	0	0	0	8	4
<i>Terebellides stroemi</i>	10	9	4	4	1	7	0	7	1	0	0	1	2	2	5	1
<i>Trichobranchus glacialis</i>	1	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0
<i>Trichobranchus</i> sp. juv.	5	4	1	0	0	1	0	0	0	0	0	0	0	0	1	0
<i>Terebellidae</i> juv.	0	0	0	0	0	0	0	2	0	0	0	0	0	2	10	1
<i>Amphitritinae</i> sp.	6	3	0	0	0	1	1	0	0	0	2	1	0	0	1	0
<i>Amphitritides gracilis</i>	1	2	0	0	0	0	0	2	0	0	0	0	1	0	1	0
<i>Axionice maculata</i>	1	0	1	0	0	0	0	0	0	0	1	3	0	0	0	0
<i>Eupolymnia nesidensis</i>	13	1	2	1	1	7	0	2	1	0	1	0	1	2	0	0
<i>Lanice conchilega</i>	0	2	6	0	5	0	4	2	0	0	0	0	0	0	0	0
<i>Nicolea venustula</i>	2	1	0	1	4	0	0	2	0	0	2	0	0	0	8	0
<i>Nicolea zostericola</i>	0	0	0	0	0	0	0	0	9	0	0	0	0	0	1	0
<i>Phisidia aurea</i>	2	1	6	5	7	7	1	29	2	0	0	2	2	2	5	0
<i>Pista cristata</i>	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0
<i>Polycirrinae</i> indet.	1	2	0	0	3	0	0	0	0	0	0	0	0	0	1	0
<i>Lysilla nivea</i>	0	0	1	4	3	0	1	0	0	0	1	0	3	3	0	0
<i>Polycirrus</i> spp.	4	2	2	5	11	3	6	9	1	0	2	7	4	6	6	1
<i>Polycirrus aurantiacus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Polycirrus medusa</i>	0	0	0	0	0	0	0	0	0	0	0	1	0	4	0	0
<i>Polycirrus norvegicus</i>	8	3	0	0	8	2	0	4	0	0	0	1	1	3	8	6
? <i>Streblosoma</i> spp.	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0
<i>Streblosoma</i> sp.	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
<i>Thelepus</i> sp. juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Station	17.1	17.2	18.1	18.2	30.1	30.2	31.1	31.2	35.1	35.2	36.1	36.2	40.1	40.2	41.1	41.2
<i>Thelepus cincinnatus</i>	2	0	8	1	0	1	0	2	0	0	0	0	0	0	0	0
<i>Thelepus setosus</i>	2	6	0	0	1	1	0	1	0	0	0	0	0	0	2	0
<i>Sabellidae</i> juv.	0	11	0	0	0	0	0	0	0	0	0	0	0	2	2	0
<i>Sabellinae</i> sp. juv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Branchiomma bombyx</i>	11	4	1	0	0	8	0	3	2	0	3	0	1	3	8	12
<i>Chone</i> sp. juv.	7	5	9	0	0	5	1	0	0	0	0	0	0	0	0	0
<i>Chone filicaudata</i>	4	8	8	13	21	0	32	17	0	1	2	6	2	0	5	0
<i>Euchone</i> sp.	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
<i>Euchone rubrocincta</i>	6	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Demonax torulis</i>	3	2	0	2	0	1	3	3	0	0	0	0	0	0	0	0
<i>Jasmineira caudata</i>	0	13	6	3	17	2	7	15	3	0	0	0	1	2	13	5
<i>Jasmineira elegans</i>	138	45	7	0	0	0	0	0	0	0	0	0	0	1	0	0
<i>Jasmineira</i> sp.	0	17	0	0	0	9	0	3	0	0	0	0	0	0	0	0
<i>Pseudopotamilla reniformis</i>	0	0	0	0	0	1	0	1	0	0	0	1	1	0	0	0
<i>Sabella</i> sp.	3	2	0	0	0	4	0	0	0	0	0	0	0	1	1	0
<i>Fabriciola baltica</i>	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Fabricia/Fabriciola</i> sp.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Serpulidae</i> sp. indet.	0	5	0	0	0	0	0	0	0	0	0	0	0	0	6	0
<i>Apomatus similis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Hydroides norvegica</i>	6	8	17	8	4	8	18	9	1	0	5	2	0	10	15	0
<i>Josephella marenzelleri</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Pomatoceros</i> sp.	1	0	12	0	0	0	5	26	0	0	0	0	0	0	0	0
<i>Pomatoceros lamarckii</i>	7	2	2	4	4	0	0	4	2	0	1	2	2	10	18	2
<i>Pomatoceros triqueter</i>	0	1	0	0	0	2	5	1	0	0	2	2	3	0	2	0

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Station	17.1	17.2	18.1	18.2	30.1	30.2	31.1	31.2	35.1	35.2	36.1	36.2	40.1	40.2	41.1	41.2
<i>Serpula</i> sp. juv.	9	17	29	14	0	2	22	43	1	0	1	5	0	8	6	5
<i>Filograna implexa</i>	137	3	0	0	0	5	0	0	0	0	1	0	0	0	0	42
<i>Filogranula gracilis</i>	0	0	18	0	0	0	0	0	0	0	0	0	1	5	0	0
<i>Metavermlia multicristata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Circeis spirillum?</i>	0	0	0	0	0	0	0	0	0	0	14	2	1	2	0	0
<i>Janua pagenstecheri</i>	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0
<i>Spirorbis</i> sp.	0	0	1	0	0	0	0	7	0	0	0	0	1	0	1	0
Tubificidae spp.	0	24	2	0	0	1	0	0	0	0	1	1	1	0	0	1
<i>Grania</i> spp.	0	1	4	1	6	0	10	0	0	0	1	1	1	5	0	1
<i>Golfingia elongata</i>	3	0	1	1	2	0	0	0	0	0	3	8	5	11	8	0
<i>Golfingia vulgaris</i>	7	2	0	0	1	1	0	0	0	0	0	0	0	1	13	0
<i>Nephasoma minutum</i>	3	4	0	0	1	1	3	0	1	0	0	1	2	1	2	0
<i>Phascolion strombus strombus</i>	0	0	0	1	1	0	0	0	0	0	0	3	0	0	1	0
SIPUNCULA Indet	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Phoronis</i> sp.	1	0	1	2	0	0	0	0	0	0	1	2	4	4	4	1
NEMERTEA	18	2	8	16	9	9	14	5	3	0	7	13	2	16	18	4
TURBELLARIA	0	0	0	0	0	7	0	0	0	0	0	0	0	0	6	0
ENTEROPNEUSTA sp. A	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0
<i>Abra alba</i>	37	0	0	0	15	3	8	42	0	0	0	0	3	5	6	0
<i>Abra nitida</i>	0	16	0	0	0	0	0	0	2	0	0	0	0	0	0	0
<i>Abra prismatica</i>	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Aequipecten opercularis</i>	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0
<i>Alvania semistriata</i>	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
ANOMIIDAE indet.	0	0	8	0	0	12	8	0	0	0	0	0	0	0	0	0

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Station	17.1	17.2	18.1	18.2	30.1	30.2	31.1	31.2	35.1	35.2	36.1	36.2	40.1	40.2	41.1	41.2
<i>Astarte sulcata</i>	0	4	4	3	0	0	1	1	0	0	0	3	1	1	11	1
BIVALVE indet.	10	0	13	10	0	0	4	9	0	1	0	0	1	1	4	0
<i>Buccinum undatum</i>	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
<i>Caecum glabrum</i>	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0
<i>Calliostoma zizyphinum</i>	0	1	0	0	0	0	0	0	3	0	0	0	0	0	0	0
cf. <i>Macellomenia palifera</i>	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Chaetoderma nitidulum</i>	0	1	0	0	0	0	0	1	0	0	0	0	2	0	0	0
CHITON?	1	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0
<i>Chlamys Juv.</i>	26	41	17	0	0	11	4	0	0	0	0	0	0	0	0	0
<i>Chlamys sulcata</i>	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0
<i>Chlamys varia</i>	0	28	0	0	3	0	0	14	2	1	0	1	8	10	14	4
<i>Circomphalus casina</i>	1	0	0	0	1	0	0	2	0	2	0	0	1	0	0	0
<i>Coracuta obliquata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Diodora graeca</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
DORIDIDAE Indet.	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0
<i>Dosinia exoleta</i>	0	8	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Emarginula fissura</i>	1	4	2	0	0	0	0	2	0	0	0	0	2	0	8	0
<i>Ensis ensis</i>	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
<i>Ensis spp.</i>	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
<i>Eulimella laevis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
<i>Gari depressa</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Gari fervensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Gari indet.</i>	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0
GASTROPODA Indet.	5	0	5	0	1	2	28	0	6	0	0	0	0	10	0	0

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Station	17.1	17.2	18.1	18.2	30.1	30.2	31.1	31.2	35.1	35.2	36.1	36.2	40.1	40.2	41.1	41.2
<i>Gibbula cineraria</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0
<i>Gibbula tumida</i>	2	17	3	30	0	0	2	34	43	0	0	0	18	87	33	7
<i>Glycymeris glycymeris</i>	0	0	0	0	0	0	2	0	1	1	0	4	6	2	0	0
<i>Goodallia triangularis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Gouldia minima</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Hanleya hanleyi</i>	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Hemilepton nitidum</i>	0	23	7	0	0	0	0	6	0	0	0	0	8	0	2	0
<i>Heteranomia squamula</i>	0	6	0	6	5	2	0	24	3	0	0	3	5	5	21	8
<i>Hiatella arctica</i>	38	21	1	0	2	12	1	3	11	0	0	0	4	8	18	16
<i>Hydrobia ulvae?</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
<i>Laevicardium crassum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Laevicardium Juv.</i>	0	0	14	0	0	0	6	0	0	0	0	0	0	0	0	0
<i>Leptochiton asellus</i>	20	37	21	32	15	6	14	32	6	0	0	0	16	35	40	3
<i>Lima hians</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Lima loscombi</i>	0	1	0	0	0	0	0	6	0	0	0	1	2	4	2	0
<i>Lutraria lutraria</i>	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Lyonsia norvegica Juv.</i>	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
<i>Modiolarca subpicta</i>	4	1	0	0	0	1	0	0	0	0	0	0	0	0	1	3
<i>Modiolus modiolus [juv.]</i>	0	8	2	1	0	1	18	28	0	0	0	0	2	4	23	0
<i>Moerella donacina</i>	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
MOLLUSCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Montacuta ferruginosa</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
<i>Montacuta Juv.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Musculus discors</i>	0	0	5	2	0	1	0	0	3	5	0	0	1	2	17	1

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Station	17.1	17.2	18.1	18.2	30.1	30.2	31.1	31.2	35.1	35.2	36.1	36.2	40.1	40.2	41.1	41.2
<i>Mya truncata</i>	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
<i>Mysella bidentata</i>	0	0	0	3	0	0	2	1	0	0	0	0	4	5	1	3
<i>Mytilus edulis</i>	66	322	27	35	64	69	100	34	66	0	0	0	28	46	131	66
<i>Nematomenia banyulensis</i>	0	0	2	2	0	0	0	0	0	0	0	0	2	0	0	0
<i>Neolepton sulcatulum</i>	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0
<i>Neomenia carinata</i>	0	3	2	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Nucula Indet</i>	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0
<i>Nucula hanleyi</i>	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Nucula sulcata</i>	0	11	0	2	0	0	0	0	1	0	0	0	0	0	0	0
<i>Nuculoma tenuis</i>	0	0	0	0	0	0	0	1	0	0	0	0	0	0	11	0
<i>Nuculana minuta</i>	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUDIBRANCH Indet.	4	3	1	3	4	5	7	4	1	0	0	0	14	11	9	2
<i>Odostomia</i>	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Onoba semicostata</i>	0	0	0	0	0	0	0	0	3	0	0	0	1	0	0	0
<i>Palliolum tigerinum</i>	16	4	4	9	12	0	12	21	5	0	0	0	3	9	0	0
<i>Partulida pellucida</i>	0	11	0	0	0	0	0	0	1	0	0	0	0	0	0	2
<i>Parvicardium scabrum</i>	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Parvicardium</i> Juv.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
PECTINIDAE Juv.	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0
<i>Pusillina inconspicua</i>	0	7	0	0	0	0	0	0	0	0	0	0	3	0	0	0
<i>Pusillina sarsi</i>	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0
<i>Rissoa parva</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
<i>Rissoella diaphana</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	5	3	0
<i>Sphenia binghami</i>	72	86	23	17	0	7	5	9	7	0	0	0	1	10	44	11

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Station	17.1	17.2	18.1	18.2	30.1	30.2	31.1	31.2	35.1	35.2	36.1	36.2	40.1	40.2	41.1	41.2
<i>Spisula elliptica</i>	0	0	0	17	4	0	148	13	0	0	0	0	9	11	4	48
<i>Spisula ovalis</i>	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
<i>Spisula subtruncata</i>	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tapes rhomboides</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
<i>Tellina pygmaea</i>	0	0	0	0	0	0	0	7	4	0	0	0	2	3	0	0
<i>Thracia</i> Indet.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Thracia phaseolina</i>	0	0	0	0	1	0	0	1	0	0	0	0	6	8	3	1
<i>Thracia villosiuscula</i>	0	0	0	1	0	0	0	0	0	0	0	5	0	0	0	0
<i>Timoclea ovata</i>	14	9	3	23	10	0	36	55	13	1	0	3	5	8	19	1
<i>Tricolia pullus</i>	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0
<i>Velutina velutina</i>	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
<i>Venerupis corrugata</i>	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Nymphon brevirostre</i>	6	1	0	0	0	0	0	0	2	0	1	0	10	1	5	1
<i>Nymphon brevitarse</i>	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
<i>Achelia echinata</i>	36	52	23	2	7	23	4	12	12	4	8	5	28	21	53	12
<i>Anoplodactylus petiolatus</i>	13	19	17	1	3	2	0	1	0	0	0	0	0	12	0	1
<i>Callipallene brevirostris</i>	20	27	12	2	4	8	0	15	11	1	2	3	7	1	38	4
<i>Endeis spinosa</i>	0	1	0	0	0	0	0	0	4	0	0	0	3	0	0	0
<i>Pycnogonum litorale</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
<i>Copidognathus rhodostigma</i>	0	0	2	0	0	0	0	0	0	0	0	4	0	0	0	0
<i>Arhodeoporus gracilipes</i>	0	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0
<i>Simognathus leiomerus</i>	0	0	1	0	0	0	0	0	0	0	0	1	0	1	0	0
<i>Rhodinicola elongata</i>	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Munna minuta</i>	41	24	5	1	1	12	0	0	2	0	0	0	6	1	2	4

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Station	17.1	17.2	18.1	18.2	30.1	30.2	31.1	31.2	35.1	35.2	36.1	36.2	40.1	40.2	41.1	41.2
<i>Anthura gracilis</i>	0	0	0	0	0	0	0	0	0	0	0	2	4	0	0	0
<i>Eurydice inermis</i>	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
<i>Janira maculosa</i>	0	2	2	0	0	3	0	0	4	0	1	0	4	1	0	0
<i>Microjaera anisopoda</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
<i>Gnathia praniza</i> larvae & females	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0
<i>Pseudoparatanais batei</i>	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
<i>Tanaopsis graciloides</i>	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
<i>Akanthophoreus gracilis</i>	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0
<i>Leptognathia paramanca</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
<i>Pseudotanaais jonesi</i>	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0
<i>Eudorella truncatula</i>	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Nannastacus unguiculatus</i>	4	1	0	0	0	0	0	0	3	0	0	0	1	1	3	1
<i>Cumella pygmaea</i>	10	8	1	1	0	1	1	9	3	0	0	3	2	9	3	0
<i>Eusirus longipes</i>	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Synchelidium maculatum</i>	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0
<i>Parapleustes bicuspis</i>	1	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0
<i>Stenopleustes nodifer</i>	9	21	2	0	0	3	0	0	2	0	0	3	15	3	4	1
<i>Amphilocus manudens</i>	3	11	4	0	0	7	1	3	7	0	1	1	9	6	5	1
<i>Amphilocus indet</i>	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
<i>Gitana sarsi</i>	0	0	0	0	0	2	0	0	3	0	1	2	7	1	1	0
<i>Peltocoxa brevisrostris</i>	0	5	0	0	0	1	0	0	0	0	0	0	0	1	0	0
<i>Leucothoe richiardii</i>	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0
<i>Cressa dubia</i>	29	89	25	13	5	19	0	6	21	2	11	11	56	11	62	13
<i>Metopa ?bruzelii</i>	5	12	5	2	0	7	0	1	0	0	0	0	42	0	7	0

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Station	17.1	17.2	18.1	18.2	30.1	30.2	31.1	31.2	35.1	35.2	36.1	36.2	40.1	40.2	41.1	41.2
<i>Parametopa kervillei</i>	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
<i>Stenothoe marina</i>	3	6	2	1	3	14	0	0	1	0	0	2	8	4	5	0
<i>Harpinia pectinata</i>	4	1	2	1	1	2	0	0	0	0	0	0	0	0	0	0
<i>Lysianassa plumosa</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
<i>Orchomene humilis</i>	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	0
<i>Argissa hamatipes</i>	0	11	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Iphimedia eblanae</i>	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Iphimedia obesa</i>	1	2	0	0	0	0	0	0	1	0	0	1	1	1	1	0
<i>Liljeborgia pallida</i>	0	0	0	0	0	0	0	1	1	0	0	1	1	2	0	0
<i>Atylus vedlomensis</i>	0	0	0	2	5	0	5	0	0	0	0	0	0	1	0	0
<i>Guernea coalita</i>	0	0	3	6	12	0	20	3	2	1	5	6	3	4	0	0
<i>Ampelisca diadema</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Ampelisca spinipes</i>	47	39	37	7	2	38	17	0	1	0	0	0	2	4	7	3
<i>Melphidippella macra</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1
<i>Ceradocus semiserratus</i>	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0
<i>Cheirocratus sundevalli</i>	0	0	0	2	2	0	0	0	0	0	0	0	0	0	5	0
<i>Cheirocratus sp</i>	0	2	0	0	0	0	0	0	1	0	0	0	5	7	1	0
<i>Maera othonis</i>	0	0	0	3	0	0	0	0	1	0	0	0	11	0	0	0
<i>Maera sp</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
<i>Maerella tenuimana</i>	0	0	3	3	3	0	0	0	0	0	1	3	0	1	2	0
<i>Gammaropsis maculata</i>	9	30	8	0	0	25	0	2	3	0	0	3	8	1	6	0
<i>Gammaropsis palmata</i>	16	10	1	6	8	3	2	6	0	0	0	0	1	1	3	0
<i>Gammaropsis indet</i>	0	0	0	0	0	0	0	0	0	0	0	3	1	1	0	0
<i>Gammaropsis cornuta</i>	0	0	2	0	0	0	1	3	0	0	0	0	0	0	0	0

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Station	17.1	17.2	18.1	18.2	30.1	30.2	31.1	31.2	35.1	35.2	36.1	36.2	40.1	40.2	41.1	41.2
<i>Erichthonius punctatus</i>	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<i>Erichthonius</i> sp	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0
<i>Jassa</i> sp	18	11	2	0	0	2	0	3	0	0	0	0	17	0	0	0
<i>Microjassa cumbrensis</i>	9	2	4	2	1	6	0	4	0	0	0	0	0	0	0	0
<i>Aora gracilis</i>	0	0	0	0	0	0	0	4	0	0	0	0	0	0	2	0
<i>Aoriidae</i> indet	0	1	0	2	1	0	0	0	0	0	0	0	1	0	0	0
<i>Autonoe longipes</i>	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Leptocheirus hirsutimanus</i>	1	0	0	1	0	0	2	4	1	0	0	0	2	3	3	1
<i>Unciola crenatipalma</i>	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Unciola planipes</i>	0	0	4	11	1	0	0	0	0	0	0	0	0	0	0	0
<i>Dyopedos porrectus</i>	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Caprella linearis</i>	16	36	17	0	0	1	0	3	3	0	1	17	24	3	4	0
<i>Parvipalpus capillaceus</i>	0	4	0	0	0	10	0	0	0	0	0	0	0	0	0	0
<i>Phtisica marina</i>	8	4	1	0	0	37	0	0	1	0	0	0	0	0	0	0
<i>Pseudoprotella phasma</i>	0	0	0	0	0	5	0	0	6	0	0	0	0	0	0	0
<i>Eualus pusiolus</i>	2	3	0	0	0	1	0	1	1	0	3	0	3	0	4	0
<i>Pandalina brevirostris</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Upogebia</i> Juv.	1	0	0	0	0	0	0	0	0	0	0	0	1	0	3	0
<i>Anapagurus laevis</i>	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
PAGURIDAE Juv.	0	0	1	0	0	0	0	1	1	0	0	0	0	1	0	0
<i>Galathea squamifera</i>	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0
<i>Galathea</i> Juv.	0	0	1	0	0	0	0	1	0	0	0	0	0	1	1	0
<i>Atelecyclus rotundatus</i>	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Ebalia tuberosa</i>	3	3	0	0	0	0	0	2	2	0	0	0	2	8	3	0

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Station	17.1	17.2	18.1	18.2	30.1	30.2	31.1	31.2	35.1	35.2	36.1	36.2	40.1	40.2	41.1	41.2
<i>Ebalia tumefacta</i>	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
<i>Ebalia</i> Juv.	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
<i>Eurynome spinosa</i>	0	2	1	0	0	0	0	0	0	0	0	0	0	1	1	2
<i>Eurynome</i> Juv.	0	2	0	0	0	0	0	0	0	0	0	0	0	3	0	0
<i>Hyas coarctatos</i>	0	0	0	0	0	0	0	0	3	0	0	0	2	3	0	0
<i>Inachus</i> Juv.	1	3	0	0	0	0	0	0	0	0	0	0	1	1	1	0
<i>Liocarcinus</i> Juv.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
<i>Monodaeus couchi</i>	6	4	1	1	1	4	1	4	0	0	1	2	2	0	2	1
<i>Pisidia longicornis</i>	17	8	0	0	0	16	1	6	0	0	1	4	18	17	7	5
<i>Balanus balanus</i>	0	1	0	0	0	0	0	0	0	0	0	0	7	1	0	0
<i>Balanus crenatus</i>	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
<i>Verruca stroemia</i>	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Crossaster papposus</i>	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0
<i>Asterias rubens</i>	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>Echinocyamus pusillus</i>	0	0	0	0	5	0	1	0	1	0	0	0	0	0	1	0
<i>Psammechinus miliaris</i>	6	4	1	3	6	7	2	19	0	0	0	0	0	2	2	1
<i>Leptosynapta</i> Juv.	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0
<i>Thyone fusus</i>	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
CUCUMARIIDAE Juv.	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0
HOLOTHUROIDEA Juv.	5	0	8	2	1	1	1	2	0	0	0	0	0	6	5	0
<i>Ophiocomina nigra</i>	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
<i>Ophiothrix fragilis</i>	3	4	2	1	0	3	0	0	1	0	4	1	3	0	4	1
<i>Amphipholis squamata</i>	28	33	8	5	6	5	6	44	13	2	11	19	12	12	44	11
<i>Amphiura securigera</i>	0	0	0	1	1	1	0	4	0	0	0	0	0	1	0	0

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Station	17.1	17.2	18.1	18.2	30.1	30.2	31.1	31.2	35.1	35.2	36.1	36.2	40.1	40.2	41.1	41.2
<i>Amphiuridae</i> Juv.	1	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0
OPHIUROIDEA Juv.	1	1	1	4	6	0	34	57	6	0	1	2	3	8	13	0

9.7 List of Biotope Codes used within this project

Taken from The Marine Habitat Classification for Britain and Ireland Version 04.05 (Connor *et al.*, 2004).

Note, biotope codes with asterix do not exist within current classification, but have been derived for the purposes of this study.

Biotope code	Biotope description
CR.MCR.EcCr.FaAlCr.Adig	<i>Alcyonium digitatum</i> , <i>Pomatoceros triqueter</i> , algal and bryozoan crusts on wave-exposed circalittoral rock
CR.MCR.EcCr.FaAlCr.Bri	Brittlestar bed on faunal and algal encrusted, exposed to moderately wave-exposed circalittoral rock
CR.MCR.EcCr.FaAlCr.Flu	<i>Flustra foliacea</i> on slightly scoured silty circalittoral rock
CR.HCR.XFa.CvirCri	<i>Corynactis viridis</i> and a mixed turf of crisiids, <i>Bugula</i> , <i>Scrupocellaria</i> , and <i>Cellaria</i> on moderately tide-swept exposed circalittoral rock
CR.HCR.XFa.FluCoAs	<i>Flustra foliacea</i> and colonial ascidians on tide-swept moderately wave-exposed circalittoral rock
CR.HCR.XFa.SpNemAdia	Sparse sponges, <i>Nemertesia</i> spp., and <i>Alcyonidium diaphanum</i> on circalittoral mixed substrata
SS.SBR.PoR.SspiMx	<i>Sabellaria spinulosa</i> on stable circalittoral mixed sediment
SS.SCS.CCS.1*	A community on Circalittoral Coarse Sediment currently not identified within the Marine Habitat Classification
SS.SCS.CCS.MedLumVen	<i>Mediomastus fragilis</i> , <i>Lumbrineris</i> spp. and venerid bivalves in circalittoral coarse sand or gravel
SS.SCS.CCS.PomB	<i>Pomatoceros triqueter</i> with barnacles and bryozoan crusts on unstable circalittoral cobbles and pebbles
SS.SSa.IFiSa.ScupHyd	<i>Sertularia cupressina</i> and <i>Hydrallmania falcata</i> on tide-swept sublittoral sand with cobbles or pebbles
SS.SSa.IMuSa	Infralittoral muddy sand
SS.SMu.CSaMu.LkorPpel	<i>Lagis koreni</i> and <i>Phaxas pellucidus</i> in circalittoral sandy mud
SS.SMx	Sublittoral mixed sediment biotope complex
SS.SMx.CMx.	Circalittoral mixed sediment
SS.SMx.CMx.1*	A community on Sublittoral Mixed Sediment currently not identified within the Marine Habitat Classification
SS.SMx.CMx.FluHyd	<i>Flustra foliacea</i> and <i>Hydrallmania falcata</i> on tideswept circalittoral mixed sediment <i>Flustra foliacea</i> and <i>Hydrallmania falcata</i> on tideswept circalittoral mixed sediment
SS.SMx.CMx.FluHyd.1*	A community on Circalittoral Mixed Sediment currently not identified within the Marine Habitat Classification
SS.SMx.CMx.FluHyd.2*	A community on Circalittoral Mixed Sediment currently not identified within the Marine Habitat Classification
SS.SMx.CMx.OphMx	<i>Ophiothrix fragilis</i> and/or <i>Ophicomina nigra</i> brittlestar beds on sublittoral mixed sediment
SS.SMx.OMx.PoVen	Polychaete-rich deep Venus community in offshore mixed sediments

9.8 Grab sample data (epifauna)

Station	17.1	17.2	18.1	18.2	30.1	30.2	31.1	31.2	35.1	35.2	36.1	36.2	40.1	40.2	41.1	41.2
<i>Porifera</i> indet. Enc.	P					P										
<i>Scypha ciliata</i>	P		P													
<i>Polymastia</i> sp.														P		
<i>Haliclona oculata</i>														P		
Hydroid stolonial indet				P												
<i>Hydrallmania falcata</i>		P	P	P	P	P		P	P		P	P	P		P	
<i>Sarsia lovenii</i>	P															
<i>Eudendrium</i> sp. (no polyps)					P											
<i>Eudendrium ?album</i>		P														
<i>Modeeria rotunda</i>									P	P						
<i>Calycella syringa</i>		P			P						P	P			P	
<i>Lafoea dumosa</i>															P	
<i>Halecium undulatum</i>									P							
<i>Abietinaria abietina</i>							P									
<i>Diphasia attenuata</i>	P		P								P	P	P	P		
<i>Diphasia fallax</i>									P							
<i>Diphasia rosacea</i>									P							
<i>Sertularella gaudichaudii</i>		P				P					P		P	P		
<i>Sertularella gayi</i>															P	
<i>Sertularella rugosa</i>			P												P	
<i>Sertularella tenella</i>	P	P	P	P	P								P	P	P	
<i>Sertularia argentea</i>	P	P	P	P	P				P		P		P	P	P	
<i>Antennella secundaria</i>		P														

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Station	17.1	17.2	18.1	18.2	30.1	30.2	31.1	31.2	35.1	35.2	36.1	36.2	40.1	40.2	41.1	41.2
<i>Halopteris catharina</i>		P														
<i>Nemertesia antennina</i>	P					P			P			P				
<i>Nemertesia ramosa</i>									P							
<i>Plumularia setacea</i>					P											
<i>Aglaophenia tubulifera</i>	P	P				P										
<i>Campanularia hincksii</i>															P	
<i>Orthopyxis integra</i>											P	P				
<i>Rhizocaulus verticillatus</i>											P					
<i>Clytia hemisphaerica</i>															P	
<i>Laomedea flexuosa</i>											P	P				
<i>Obelia dichotoma</i>				P												
<i>Alcyonium digitatum</i>				P		P								P		
<i>Anemone indet</i>	P	P	P	P		P		P							P	
Crisiid stolons			P													
<i>Filicrisia geniculata</i>		P														
<i>Crisidia cornuta</i>	P	P							P		P	P	P		P	
<i>Crisia aculeata</i>	P												P			
<i>Crisia denticulata</i>											P					
<i>Crisia eburnea</i>	P	P							P	P	P	P	P		P	
<i>Tubulipora liliacea</i>						P		P	P							
<i>Tubulipora lobifera</i>		P	P	P		P			P		P	P		P	P	
<i>Tubulipora penicillata</i>				P							P					
<i>Eurystrotos compacta</i>	P			P	P	P		P			P	P	P	P		
<i>Plagioecia patina</i>		P			P			P						P		
<i>Diplosolen obelia</i>				P		P						P		P	P	

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Station	17.1	17.2	18.1	18.2	30.1	30.2	31.1	31.2	35.1	35.2	36.1	36.2	40.1	40.2	41.1	41.2
<i>Entalophoroecia deflexa</i>		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
<i>Disporella hispida</i>	P	P	P	P	P		P	P	P	P	P	P	P	P	P	P
<i>Alcyonidium</i> enc. sp.	P			P			P		P				P			P
<i>Alcyonidium</i> ? <i>albidum</i>											P					
? <i>Nolella dilatata</i> on ascidian test													P			
<i>Walkeria uva</i>															P	
<i>Mimosella verticillata</i>											P	P				
<i>Penetrantia concharum</i>													P			
<i>Vesicularia spinosa</i>	P	P	P										P			
<i>Amathia lendigera</i>	P	P	P			P			P		P	P	P	P	P	
<i>Aetea anguina</i>						P			P							
<i>Eucratea loricata</i>	P			P												
<i>Conopeum reticulum</i>							P	P				P		P		P
<i>Electra pilosa</i>			P			P	P	P	P		P	P	P	P	P	P
<i>Pyripora catenularia</i>			P	P					P	P	P	P	P			P
<i>Flustra foliacea</i>	P	P	P							P			P	P		
<i>Flustra foliacea</i> basal layer only				P												
<i>Callopora dumerilii</i>	P	P		P		P	P	P	P		P		P	P	P	P
<i>Alderina imbellis</i>						P										
<i>Amphiblestrum auritum</i>													P	P		
<i>Amphiblestrum flemingii</i>	P			P	P	P		P	P		P		P	P	P	P
<i>Bugula flabellata</i>		P				P							P	P	P	
<i>Bugula plumosa</i>	P	P	P										P			
<i>Bicellariella ciliata</i>						P			P			P	P	P	P	
<i>Beania mirabilis</i>	P		P	P	P	P			P		P	P	P		P	

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Station	17.1	17.2	18.1	18.2	30.1	30.2	31.1	31.2	35.1	35.2	36.1	36.2	40.1	40.2	41.1	41.2
<i>Scrupocellaria scruposa</i>	P				P		P		P		P		P	P	P	P
<i>Micropora coriacea</i>																P
<i>Cellaria fistulosa</i>									P	P			P		P	
<i>Cellaria sinuosa</i>	P								P	P				P		
<i>Puellina bifida</i>													P			
<i>Puellina innominata</i>							P							P		
<i>Hippothoa divaricata</i>												P				
<i>Hippothoa flagellum</i>	P	P		P	P	P	P	P		P	P			P		
<i>Chorizopora brongniartii</i>							P	P	P		P	P	P	P	P	P
<i>Escharella immersa</i>	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
<i>Escharella variolosa</i>	P	P	P	P		P	P		P	P			P		P	P
<i>Escharella ventricosa</i>		P	P	P	P			P			P	P		P		P
<i>Porella concinna</i>				P	P	P		P			P	P	P	P	P	
<i>Schizoporella hesperia</i>														P		
<i>Escharina hyndmanni</i>					P		P							P		P
<i>Escharina johnstoni</i>														P	P	P
<i>Smittoidea reticulata</i>						P										
<i>Schizomavella auriculata</i>			P		P	P		P	P		P		P	P		
<i>Schizomavella cuspidata</i>											P					
<i>Schizomavella linearis</i>			P	P		P	P						P	P	P	
<i>Microporella ciliata</i>			P					P				P	P	P	P	P
<i>Fenestrulina malusii</i>	P		P	P		P		P	P	P	P	P	P	P	P	P
<i>Cellepora pumicosa</i>						P		P	P		P	P	P	P	P	
<i>Schizotheca fissa</i>													P			
<i>Ascidian indet.</i>														P	P	

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Station	17.1	17.2	18.1	18.2	30.1	30.2	31.1	31.2	35.1	35.2	36.1	36.2	40.1	40.2	41.1	41.2
<i>Didemnidae</i> indet.			P													
<i>Perophora listeri</i>	P	P				P					P	P				
<i>Asciidiella scabra</i>	P	P		P									P	P		
<i>Ascidia mentula</i>		P														
<i>Ascidia virginea</i>																P
<i>Polycarpa pomaria</i>	P													P		
<i>Dendrodoa grossularia</i>	P	P	P	P	P	P				P	P	P	P	P	P	
<i>Pyura tessellata</i>														P		
? <i>Molgula</i> sp. small solitary gravel enc.	P		P		P									P	P	P

9.9 Video analysis data

Sample Reference	1.32.1	1.33.1	1.34.1	1.34.2	1.37.1
Sample	DC.1-32.S1	DC.1-33.S1	DC.1-34.S1	DC.1-34.S2	DC.1-37.S1
Section	1	1	1	2	1
Area	1	1	1	1	1
Video Line No.	32	33	34	34	37
Event Name	1-32	1-33	1-34	1-34	1-37
Event reference	DC.1-32	DC.1-33	DC.1-34	DC.1-34	DC.1-37
Video Section No.	1	1	1	2	1
Gear type	DC	DC	DC	DC	DC
Date (dd/mm/yy)	13/08/2005	13/08/2005	13/08/2005	13/08/2005	13/08/2005
Start Time	10:36	11:00	11:26	11:27	16:02
Duration (mins)	08:37	09:24	01:22	04:08	01:36
Visual quality of sample (poor/moderate/good)	Good	Poor	Poor	Poor	
Time (hh:mm:ss)	10:36:21	11:00:22	11:26:25	11:27:47	16:02:14
Notes		Too fast	Too fast	Too fast	
Length (m)	344	466	70	210	43
Speed (m/s)	0.67	0.83	0.85	0.85	0.45
Sediment description	Occasional boulders on a flat plain of cobbles, pebbles and gravel	Occasional boulders on a flat plain of cobbles, pebbles and gravel. Also accumulations of empty <i>Glycymeris</i> shells.	Compact pebbles and gravel with shells on surface	Occasional boulders on a flat plain of cobbles, pebbles and gravel	Compact pebbles and gravel with empty shells on surface and occasional boulders
Start of line latitude	53.67326	53.68838	53.69842	53.69877	53.64757
Start of line longitude	-4.38113	-4.39028	-4.37357	-4.37271	-4.39613
End of line latitude	53.67441	53.68996	53.69877	53.69944	53.64735
End of line longitude	-4.37631	-4.38375	-4.37271	-4.36987	-4.3956
Depth Below Chart Datum Upper	-46	-52	-56.5	-55.5	-64.4
Depth Below Chart Datum Lower	-48	-54.5	-60	-58.5	-65
Substratum type	Mixed sediments	Mixed sediments	Mixed sediments	Mixed sediments	Mixed sediments
Shells - empty	15	15	10	15	20
Bedrock					
Very Large Boulders >1024mm					
Large Boulders (512 - 1024mm)	1	1			1
Small Boulders (256 - 512mm)	10	10		5	9
Cobbles	20	20	10	10	15
Pebbles	20	20	30	20	20
Gravel	20	20	40	30	30
Coarse sand	10	10	10	20	5
Medium sand	4	4			
Fine sand					
Mud/silt					
Habitat Category	4	4	1	4	4
Biota description	<i>Ophiothrix</i> bed on faunal turf covered boulders and cobbles	<i>Ophiothrix</i> bed on faunal turf covered boulders and cobbles	Sparse fauna	Faunal turf and crusts on boulders, more sparse fauna on gravel and pebbles	Faunal turf and crusts on boulders, more sparse fauna on gravel and pebbles

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference	1.37.10	1.37.2	1.37.3	1.37.4	1.37.5
Sample	DC.1-37.S10	DC.1-37.S2	DC.1-37.S3	DC.1-37.S4	DC.1-37.S5
Section	10	2	3	4	5
Area	1	1	1	1	1
Video Line No.	37	37	37	37	37
Event Name	1-37	1-37	1-37	1-37	1-37
Event reference	DC.1-37	DC.1-37	DC.1-37	DC.1-37	DC.1-37
Video Section No.	10	2	3	4	5
Gear type	DC	DC	DC	DC	DC
Date (dd/mm/yy)	13/08/2005	13/08/2005	13/08/2005	13/08/2005	13/08/2005
Start Time	16:17	16:05	16:06	16:12	16:12
Duration (mins)	01:08	00:53	05:37	00:17	02:00
Visual quality of sample (poor/moderate/good)					Moderate
Time (hh:mm:ss)	16:17:39	16:05:10	16:06:51	16:12:28	16:12:45
Notes					Too fast
Length (m)	27	21	126	7	49
Speed (m/s)	0.4	0.4	0.37	0.41	0.41
Sediment description	Boulders and mixed sediments	Sandy gravel and pebbles with empty shells and occasional boulders	Compact gravel with few small boulders	Boulders	Gravel and coarse sands
Start of line latitude	53.64554	53.64738	53.6471	53.64634	53.64629
Start of line longitude	-4.3918	-4.39511	-4.39466	-4.39319	-4.39312
End of line latitude	53.64539	53.64725	53.64635	53.64629	53.64602
End of line longitude	-4.39154	-4.39489	-4.39324	-4.39312	-4.39266
Depth Below Chart Datum Upper	-61.5	-66	-64.5	-64.5	-62.5
Depth Below Chart Datum Lower	-62.2	-66.9	-67	-64.5	-64.5
Substratum type	Rock	Mixed sediments	Mixed sediments	Rock	Mixed sediments
Shells - empty	20	15	15	15	15
Bedrock					
Very Large Boulders >1024mm					
Large Boulders (512 - 1024mm)	5	5		5	
Small Boulders (256 - 512mm)	20	10	1	15	
Cobbles	10	5	1	20	2
Pebbles	5	10	15	15	10
Gravel	15	20	38	10	40
Coarse sand	20	30	25	15	30
Medium sand	5	5	5	5	3
Fine sand					
Mud/silt					
Habitat Category	3	4	1	3	1
Biota description	Scoured turf and crusts	Faunal turf and crusts on boulders, more sparse fauna on the sandy gravel.	Short faunal turf	Scoured turf and crusts	Short faunal turf

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference	1.37.6	1.37.7	1.37.8	1.37.9	1.38.1
Sample	DC.1-37.S6	DC.1-37.S7	DC.1-37.S8	DC.1-37.S9	DC.1-38.S1
Section	6	7	8	9	1
Area	1	1	1	1	1
Video Line No.	37	37	37	37	38
Event Name	1-37	1-37	1-37	1-37	1-38
Event reference	DC.1-37	DC.1-37	DC.1-37	DC.1-37	DC.1-38
Video Section No.	6	7	8	9	1
Gear type	DC	DC	DC	DC	DC
Date (dd/mm/yy)	13/08/2005	13/08/2005	13/08/2005	13/08/2005	13/08/2005
Start Time	16:14	16:15	16:17	16:17	16:37
Duration (mins)	00:45	01:32	00:10	00:27	05:12
Visual quality of sample (poor/moderate/good)	Poor	Poor			Good
Time (hh:mm:ss)	16:14:45	16:15:30	16:17:02	16:17:12	16:37:00
Notes	Too fast				
Length (m)	22	35	5	7	111
Speed (m/s)	0.49	0.38	0.5	0.26	0.36
Sediment description	Large Boulders in coarse sand	Sandy gravel and pebbles with empty shells on top	Boulder pile	Gravel, coarse sand and shell	Shell, gravel and coarse sand
Start of line latitude	53.64599	53.64586	53.64561	53.64559	53.6317
Start of line longitude	-4.39259	-4.39233	-4.39192	-4.39188	-4.36425
End of line latitude	53.64586	53.64563	53.64559	53.64554	53.63108
End of line longitude	-4.39233	-4.39197	-4.39188	-4.3918	-4.36298
Depth Below Chart Datum Upper	-61.7	-61.5	61.5	-62.1	-57
Depth Below Chart Datum Lower	-62.7	-62.1	-62	-62.2	-60
Substratum type	Rock	Mixed sediments	Rock	Mixed sediments	Mixed sediments
Shells - empty	5	15	10	10	30
Bedrock					
Very Large Boulders >1024mm					
Large Boulders (512 - 1024mm)	30		10		
Small Boulders (256 - 512mm)	10		35		
Cobbles	5	10	10		2
Pebbles		20	5	5	15
Gravel		40	5	50	40
Coarse sand		10	20	30	10
Medium sand		5	5	5	3
Fine sand					
Mud/silt					
Habitat Category	3	1 or 2	3 or 6	1	1
Biota description	Scoured turf and crusts	Sparse short turf	Scoured turf and crusts	Sparse short turf	Sparse short turf

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference	1.38.2	1.38.3	1.38.4	1.38.5	1.38.6
Sample	DC.1-38.S2	DC.1-38.S3	DC.1-38.S4	DC.1-38.S5	DC.1-38.S6
Section	2	3	4	5	6
Area	1	1	1	1	1
Video Line No.	38	38	38	38	38
Event Name	1-38	1-38	1-38	1-38	1-38
Event reference	DC.1-38	DC.1-38	DC.1-38	DC.1-38	DC.1-38
Video Section No.	2	3	4	5	6
Gear type	DC	DC	DC	DC	DC
Date (dd/mm/yy)	13/08/2005	13/08/2005	13/08/2005	13/08/2005	13/08/2005
Start Time	16:42	16:44	16:47	16:48	16:51
Duration (mins)	01:48	03:58	00:42	03:10	00:50
Visual quality of sample (poor/moderate/good)	Good	Good	Moderate	Moderate	Moderate
Time (hh:mm:ss)	16:42:12	16:44:00	16:47:58	16:48:40	16:51:50
Notes			bit short and too quick with out enough close ups	not always on bottom	
Length (m)	45	70	19	45	12
Speed (m/s)	0.42	0.35	0.45	0.24	0.24
Sediment description	Shell, gravel and coarse sand	Shell, gravel and coarse sand	Large boulders on gravel and shell	Shell, gravel and coarse sand	Large boulders and cobbles
Start of line latitude	53.63108	53.63084	53.62997	53.6298	53.62943
Start of line longitude	-4.36298	-4.36271	-4.36248	-4.36245	-4.36212
End of line latitude	53.63084	53.62997	53.6298	53.62943	53.62931
End of line longitude	-4.36271	-4.36248	-4.36245	-4.36212	-4.36203
Depth Below Chart Datum Upper	-52.5	-48	-55	-57	-57.8
Depth Below Chart Datum Lower	-57	-55	-56	-58	-58
Substratum type	Mixed sediments	Mixed sediments	Rock	Mixed sediments	Rock
Shells - empty	30	30	15	30	10
Bedrock					
Very Large Boulders >1024mm					
Large Boulders (512 - 1024mm)			15		15
Small Boulders (256 - 512mm)			10		20
Cobbles	2	2	2	2	30
Pebbles	15	15	10	15	2
Gravel	40	40	30	40	8
Coarse sand	10	10	15	10	10
Medium sand	3	3	3	3	5
Fine sand					
Mud/silt					
Habitat Category	1	1	3	1	6
Biota description	Brittlestar bed	Sparse short turf	Scoured turf and crusts	Sparse short turf	Dense turf on boulders and between on seafloor

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference	1.38.7	1.39.1	1.39.2	1.39.3	1.39.4
Sample	DC.1-38.S7	DC.1-39.S1	DC.1-39.S2	DC.1-39.S3	DC.1-39.S4
Section	7	1	2	3	4
Area	1	1	1	1	1
Video Line No.	38	39	39	39	39
Event Name	1-38	1-39	1-39	1-39	1-39
Event reference	DC.1-38	DC.1-39	DC.1-39	DC.1-39	DC.1-39
Video Section No.	7	1	2	3	4
Gear type	DC	DC	DC	DC	DC
Date (dd/mm/yy)	13/08/2005	13/08/2005	13/08/2005	13/08/2005	13/08/2005
Start Time	16:52	17:23	17:23	17:25	17:29
Duration (mins)	02:23	00:15	01:22	00:27	01:44
Visual quality of sample (poor/moderate/good)	moderate	moderate	poor	Moderate	moderate
Time (hh:mm:ss)	16:52:40	17:23:43	17:23:58	17:25:20	17:29:10
Notes					
Length (m)	36	12	44	18.5	66
Speed (m/s)	0.25	0.8	0.54	0.69	0.63
Sediment description	Compact gravel and coarse sand	Small boulders, cobbles and pebbles	Gravel, cobbles and occasional boulders	Coarse sand waves and scoured boulders	Pebbles, cobbles, and gravel.
Start of line latitude	53.62931	53.65059	53.6505	53.65018	53.64893
Start of line longitude	-4.36203	-4.35378	-4.35388	-4.35427	-4.35543
End of line latitude	53.62902	53.6505	53.65018	53.65004	53.64844
End of line longitude	-4.36175	-4.35388	-4.35427	-4.35442	-4.35599
Depth Below Chart Datum Upper	-57.7	-49.2	-49.2	-49.3	-48.6
Depth Below Chart Datum Lower	-58.4	-49.4	-49.9	-49.5	-49.5
Substratum type	Mixed sediments	Mixed sediments	Mixed sediments	Mixed sediments	Mixed sediments
Shells - empty	20	15	15	10	10
Bedrock					
Very Large Boulders >1024mm					
Large Boulders (512 - 1024mm)				2	
Small Boulders (256 - 512mm)		30	1	13	5
Cobbles	2	15	5		20
Pebbles	15	10	19		40
Gravel	30	15	40	15	20
Coarse sand	30	10	15	50	5
Medium sand	3	5	5	10	
Fine sand					
Mud/silt					
Habitat Category	1	5	4	3	4
Biota description	Sparse short turf	Rich turf covered boulders	Short turf	Sound scoured fauna on boulders.	Rich turf covered boulders and cobbles

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference	1.39.5	1.39.6	1.39.7	2.24.1	2.24.2
Sample	DC.1-39.S5	DC.1-39.S6	DC.1-39.S7	DC.2-24.S1	DC.2-24.S2
Section	5	6	7	1	2
Area	1	1	1	2	2
Video Line No.	39	39	39	24	24
Event Name	1-39	1-39	1-39	2-24	2-24
Event reference	DC.1-39	DC.1-39	DC.1-39	DC.2-24	DC.2-24
Video Section No.	5	6	7	1	2
Gear type	DC	DC	DC	DC	DC
Date (dd/mm/yy)	13/08/2005	13/08/2005	13/08/2005	12/08/2005	12/08/2005
Start Time	17:30	17:31	17:34	9:16	9:19
Duration (mins)	00:41	02:25	04:20	03:19	00:33
Visual quality of sample (poor/moderate/good)	moderate	moderate	moderate	Good	Good
Time (hh:mm:ss)	17:30:54	17:31:35	17:34:00	09:16:11	09:19:30
Notes					
Length (m)	29.4	106.7	135.5	72	10.3
Speed (m/s)	0.72	0.74	0.75	0.36	0.31
Sediment description	Coarse sand, shell and gravel	Gravel, pebbles and cobbles	Boulders amongst gravel, cobbles and pebbles	Coarse sand waves with shell and gravel between	Very large boulders, cobbles and sand between.
Start of line latitude	53.64844	53.64821	53.6474	53.66119691	53.66103085
Start of line longitude	-4.35599	-4.35621	-4.35707	-4.543318199	-4.544317989
End of line latitude	53.64821	53.6474	53.64637	53.66103085	53.66101412
End of line longitude	-4.35621	-4.35707	-4.35816	-4.544317989	-4.544458623
Depth Below Chart Datum Upper	-49.4	-49.7	-50	-76	-75
Depth Below Chart Datum Lower	-49.9	-50.6	-52.5	-81	-76
Substratum type	Mixed sediments	Mixed sediments	Mixed sediments	Mixed sediments	Mixed sediments
Shells - empty	15	15	5	15	
Bedrock					
Very Large Boulders >1024mm					1
Large Boulders (512 - 1024mm)			1		
Small Boulders (256 - 512mm)	1	1	9		4
Cobbles		9	10		20
Pebbles		25	18	1	20
Gravel	14	35	37	14	10
Coarse sand	60	10	15	65	40
Medium sand	10	5	5	5	5
Fine sand					
Mud/silt					
Habitat Category	1	4	4	7	5
Biota description	Short turf	Short turf	Turf and crusts on boulders. Brittlestars on seafloor	Sparse epifauna on coarse mobile sand.	Large boulders support faunal crusts and Dead Men's Fingers. Small boulders support faunal turf.

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference	2.24.3	2.25.1	2.26.1	2.26.2	2.26.3
Sample	DC.2-24.S3	DC.2-25.S1	DC.2-26.S1	DC.2-26.S2	DC.2-26.S3
Section	3	1	1	2	3
Area	2	2	2	2	2
Video Line No.	24	25	26	26	26
Event Name	2-24	2-25	2-26	2-26	2-26
Event reference	DC.2-24	DC.2-25	DC.2-26	DC.2-26	DC.2-26
Video Section No.	3	1	1	2	3
Gear type	DC	DC	DC	DC	DC
Date (dd/mm/yy)	12/08/2005	12/08/2005	12/08/2005	12/08/2005	12/08/2005
Start Time	9:20	9:38	9:58	10:00	10:07
Duration (mins)	00:23	07:47	02:11	06:56	02:04
Visual quality of sample (poor/moderate/good)	Good	Good	Good	Good	Good
Time (hh:mm:ss)	09:20:03	09:38:19	09:58:30	10:00:41	10:07:37
Notes					
Length (m)	9.75	107	5	25	10
Speed (m/s)	0.42	0.23	0.04	0.06	0.08
Sediment description	Coarse sand waves with shell and gravel between	Mainly cobbles and pebble with occasional small boulders	Compact gravel pebbles and coarse sand.	large stacked boulder reef	Compact gravel pebbles and coarse sand.
Start of line latitude	53.66101412	53.67607005	53.67502346	53.67500194	53.67503338
Start of line longitude	-4.544458623	-4.548431504	-4.569397126	-4.569403697	-4.569418902
End of line latitude	53.66099791	53.67587327	53.67500194	53.67503338	53.67503222
End of line longitude	-4.544560403	-4.549894338	-4.569403697	-4.569418902	-4.569486319
Depth Below Chart Datum Upper	-74	-55	-75.6	-75.25	-76.4
Depth Below Chart Datum Lower	-75	-57	-75.9	-76.5	-76.9
Substratum type	Mixed sediments	Mixed sediments	Mixed sediments	Rock	Mixed sediment
Shells - empty	5	20	10		9
Bedrock					
Very Large Boulders >1024mm				10	
Large Boulders (512 - 1024mm)		2		30	
Small Boulders (256 - 512mm)		10		20	
Cobbles		33	2	30	1
Pebbles		15	10	8	20
Gravel		10	48	2	60
Coarse sand	80	10	20		5
Medium sand	15		5		
Fine sand					
Mud/silt			5		5
Habitat Category	7	5	1	6	1
Biota description	Sparse epifauna on coarse mobile sand.	Small boulders and cobbles support scour tolerant community of bryozoans and cnidarians	Compact silty gravel support a short faunal turf with occasional echinoderms	Large stacked boulder pile (dromolite?) supports a faunal turf and crusts	Compact silty gravel supports a short faunal turf with occasional echinoderms

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference	2.27.1	2.27.10	2.27.11	2.27.12	2.27.13
Sample	DC.2-27.S1	DC.2-27.S10	DC.2-27.S11	DC.2-27.S12	DC.2-27.S13
Section	1	10	11	12	13
Area	2	2	2	2	2
Video Line No.	27	27	27	27	27
Event Name	2-27	2-27	2-27	2-27	2-27
Event reference	DC.2-27	DC.2-27	DC.2-27	DC.2-27	DC.2-27
Video Section No.	1	10	11	12	13
Gear type	DC	DC	DC	DC	DC
Date (dd/mm/yy)	12/08/2005	12/08/2005	12/08/2005	12/08/2005	12/08/2005
Start Time	10:46	10:52	10:52	10:52	10:53
Duration (mins)	00:43	00:39	00:08	00:38	00:45
Visual quality of sample (poor/moderate/good)	Good	Good	Good	Good	Good
Time (hh:mm:ss)	10:46:01	10:52:00	10:52:39	10:52:47	10:53:25
Notes					
Length (m)	18	19	5.97	18	21.5
Speed (m/s)	0.42	0.49	0.75	0.47	0.48
Sediment description	Compact gravel	Compact gravel	Boulders, cobbles with gravel and coarse sand	Compact gravely sand	Boulders
Start of line latitude	53.64066371	53.64041922	53.64039287	53.64038428	53.6403557
Start of line longitude	-4.554500294	-4.551977754	-4.551697524	-4.551610276	-4.551345945
End of line latitude	53.64064103	53.64039287	53.64038428	53.6403557	53.64031454
End of line longitude	-4.554233473	-4.551697524	-4.551610276	-4.551345945	-4.551032709
Depth Below Chart Datum Upper	-81	-80.25	-80.3	-79.25	-78.25
Depth Below Chart Datum Lower	-82	-80.7	-80.6	-80.25	-78.75
Substratum type	Mixed sediments	Mixed sediments	Rock	Mixed sediments	Mixed sediments
Shells - empty	10	10		10	5
Bedrock					
Very Large Boulders >1024mm					
Large Boulders (512 - 1024mm)			15		
Small Boulders (256 - 512mm)			25		5
Cobbles			20	1	25
Pebbles	40	40	10	9	15
Gravel	40	40	10	20	5
Coarse sand	5	5	15	50	40
Medium sand	5	5	5	10	5
Fine sand					
Mud/silt					
Habitat Category	1	1	6	1	3
Biota description	Gravel with sparse short faunal turf	Gravel with sparse short faunal turf	Faunal turf, crusts and <i>Pomatoceros</i> on boulders	Faunal turf, Dead Men's Fingers and other fauna attached to stable pebbles in the compact sediment	Scoured fauna on boulders consisting mainly of <i>Pomatoceros</i>

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference	2.27.14	2.27.15	2.27.16	2.27.17	2.27.2
Sample	DC.2-27.S14	DC.2-27.S15	DC.2-27.S16	DC.2-27.S17	DC.2-27.S2
Section	14	15	16	17	2
Area	2	2	2	2	2
Video Line No.	27	27	27	27	27
Event Name	2-27	2-27	2-27	2-27	2-27
Event reference	DC.2-27	DC.2-27	DC.2-27	DC.2-27	DC.2-27
Video Section No.	14	15	16	17	2
Gear type	DC	DC	DC	DC	DC
Date (dd/mm/yy)	12/08/2005	12/08/2005	12/08/2005	12/08/2005	12/08/2005
Start Time	10:54	10:54	10:54	10:54	10:46
Duration (mins)	00:16	00:14	00:08	00:17	00:19
Visual quality of sample (poor/moderate/good)	Good	Good	Good	Good	Good
Time (hh:mm:ss)	10:54:10	10:54:26	10:54:40	10:54:48	10:46:44
Notes					
Length (m)	7.4	6.37	4	8	8.6
Speed (m/s)	0.46	0.46	0.5	0.47	0.45
Sediment description	Compact gravely, pebbly sand	Boulders and cobbles	Boulders and coarse sand	Gravel, with cobbles, pebbles, coarse sand and a very large boulder	Boulders and cobbles with coarse sand waves between
Start of line latitude	53.64031454	53.64029837	53.64028722	53.64028722	53.64064103
Start of line longitude	-4.551032709	-4.550915508	-4.550822823	-4.550822823	-4.554233473
End of line latitude	53.64029837	53.64028722	53.64028722	53.6402672	53.64063164
End of line longitude	-4.550915508	-4.550822823	-4.550822823	-4.550651119	-4.554108437
Depth Below Chart Datum Upper	-80	-79.5	-79.5	-79.5	-81
Depth Below Chart Datum Lower	-80	-79.9	-79.5	-79.5	-81
Substratum type	Mixed sediments	Mixed sediments	Mixed sediments	Mixed sediments	Mixed sediments
Shells - empty	2	10		5	
Bedrock					
Very Large Boulders >1024mm				2	
Large Boulders (512 - 1024mm)					1
Small Boulders (256 - 512mm)		2			9
Cobbles	7	30	10	10	20
Pebbles	20	30	5	18	15
Gravel	35	15	5	50	5
Coarse sand	30	10	75	10	50
Medium sand	6	3	5	5	
Fine sand					
Mud/silt					
Habitat Category	1 and 2	5	3	4	3
Biota description	Abundant faunal turf, with some Dead Men's Fingers and other fauna attached to stable pebbles and cobbles in the compact sediment	Faunal turf covered boulders and cobbles	Scoured community of <i>Pomatoceros</i> , Dead Men's Fingers and anemones.	Mainly turf covered boulder with one very large erratic covered in faunal crusts	Mainly <i>Pomatoceros</i> with a short turf on the boulders.

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference	2.27.3	2.27.4	2.27.5	2.27.6	2.27.7
Sample	DC.2-27.S3	DC.2-27.S4	DC.2-27.S5	DC.2-27.S6	DC.2-27.S7
Section	3	4	5	6	7
Area	2	2	2	2	2
Video Line No.	27	27	27	27	27
Event Name	2-27	2-27	2-27	2-27	2-27
Event reference	DC.2-27	DC.2-27	DC.2-27	DC.2-27	DC.2-27
Video Section No.	3	4	5	6	7
Gear type	DC	DC	DC	DC	DC
Date (dd/mm/yy)	12/08/2005	12/08/2005	12/08/2005	12/08/2005	12/08/2005
Start Time	10:47	10:47	10:49	10:49	10:49
Duration (mins)	00:27	01:45	00:07	00:29	00:59
Visual quality of sample (poor/moderate/good)	Good	Good	Good	Good	Good
Time (hh:mm:ss)	10:47:03	10:47:30	10:49:15	10:49:22	10:49:51
Notes					
Length (m)	13	48	3.5	15	29.5
Speed (m/s)	0.48	0.46	0.5	0.52	0.5
Sediment description	Gravel	Boulders, cobbles with gravel and coarse sand	Small boulders with coarse sand waves between	Gravel	Boulders, cobbles with gravel and coarse sand
Start of line latitude	53.64063164	53.64061351	53.64054664	53.64054519	53.64052512
Start of line longitude	-4.554108437	-4.553919206	-4.553203975	-4.553150993	-4.552927509
End of line latitude	53.64061351	53.64054664	53.64054519	53.64052512	53.64047435
End of line longitude	-4.553919206	-4.553203975	-4.553150993	-4.552927509	-4.552494936
Depth Below Chart Datum Upper	-80	-79.5	-79.5	-79.75	-79.75
Depth Below Chart Datum Lower	-81	-80.5	-80	-80.1	-80.75
Substratum type	Mixed sediments	Mixed sediments	Mixed sediments	Mixed sediments	Mixed sediments
Shells - empty	10	15	5	10	10
Bedrock					
Very Large Boulders >1024mm					
Large Boulders (512 - 1024mm)					
Small Boulders (256 - 512mm)		20	20		20
Cobbles		30			30
Pebbles	40	10	5	40	10
Gravel	40	20	10	40	20
Coarse sand	5	5	60	5	10
Medium sand	5			5	
Fine sand					
Mud/silt					
Habitat Category	1	3	3	1	3
Biota description	Gravel with sparse short faunal turf	<i>Pomatoceros</i> , faunal turf, crusts and Dead Men's Fingers on the small boulders	<i>Pomatoceros</i> and faunal turf common on boulders	Gravel with sparse short faunal turf	Faunal turf, <i>Pomatoceros</i> and Dead Men's Fingers on small boulders and cobbles

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference	2.27.8	2.27.9	2.28.1	2.28.2	2.28.3
Sample	DC.2-27.S8	DC.2-27.S9	DC.2-28.S1	DC.2-28.S2	DC.2-28.S3
Section	8	9	1	2	3
Area	2	2	2	2	2
Video Line No.	27	27	28	28	28
Event Name	2-27	2-27	2-28	2-28	2-28
Event reference	DC.2-27	DC.2-27	DC.2-28	DC.2-28	DC.2-28
Video Section No.	8	9	1	2	3
Gear type	DC	DC	DC	DC	DC
Date (dd/mm/yy)	12/08/2005	12/08/2005	12/08/2005	12/08/2005	12/08/2005
Start Time	10:50	10:51	16:23	16:24	16:28
Duration (mins)	00:52	00:18	01:34	03:34	00:26
Visual quality of sample (poor/moderate/good)	Good	Good	poor	Good	Good
Time (hh:mm:ss)	10:50:50	10:51:42	16:23:16	16:24:50	16:28:24
Notes		Good boulder but then lifts off seabed			
Length (m)	26	9.4	24	73	10
Speed (m/s)	0.5	0.52	0.26	0.34	0.38
Sediment description	Gravel	Boulders, cobbles with gravel and coarse sand	Small boulders on gravel and coarse sand	Compact cobbles, gravel and coarse sand	Boulders on pebbles and gravel
Start of line latitude	53.64047435	53.64043395	53.62229	53.62207	53.62149
Start of line longitude	-4.552494936	-4.552112701	-4.55623	-4.55625	-4.55669
End of line latitude	53.64043395	53.64041922	53.62207	53.62149	53.62142
End of line longitude	-4.552112701	-4.551977754	-4.55625	-4.55669	-4.55682
Depth Below Chart Datum Upper	-80.25	-80.5	-69.5	-69.75	-69.75
Depth Below Chart Datum Lower	-80.5	-80.5	-71	-71	-69.75
Substratum type	Mixed sediments	Rock	Mixed sediments	Mixed sediments	Rock
Shells - empty	5		5	5	5
Bedrock					
Very Large Boulders >1024mm					
Large Boulders (512 - 1024mm)		20			30
Small Boulders (256 - 512mm)		15	25		10
Cobbles	1	20	15	5	5
Pebbles	40	20	10	40	10
Gravel	30	20	10	25	25
Coarse sand	20	5	30	20	15
Medium sand	4		5	5	
Fine sand					
Mud/silt					
Habitat Category	1	6	3	2	6
Biota description	Gravel with sparse short faunal turf and occasional Dead Men's fingers	Faunal turf on tops of boulders <i>Pomatoceros</i> and crusts on sides	Faunal turf on cobbles and boulders	Dense faunal turf on stable compact cobbles and pebbles	Faunal turf on cobbles and boulders

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference	2.28.4	2.28.5	2.28.6	2.29.1	2.29.10
Sample	DC.2-28.S4	DC.2-28.S5	DC.2-28.S6	DC.2-29.S1	DC.2-29.S10
Section	4	5	6	1	10
Area	2	2	2	2	2
Video Line No.	28	28	28	29	29
Event Name	2-28	2-28	2-28	2-29	2-29
Event reference	DC.2-28	DC.2-28	DC.2-28	DC.2-29	DC.2-29
Video Section No.	4	5	6	1	10
Gear type	DC	DC	DC	DC	DC
Date (dd/mm/yy)	12/08/2005	12/08/2005	12/08/2005	12/08/2005	12/08/2005
Start Time	16:28	16:30	16:31	16:59	17:11
Duration (mins)	01:33	00:37	05:35	00:08	00:25
Visual quality of sample (poor/moderate/good)	Good	Good	Good	Poor	Moderate
Time (hh:mm:ss)	16:28:50	16:30:23	16:31:00	16:59:10	17:11:56
Notes				not on bottom for long	
Length (m)	39	15	147	2.6	15.7
Speed (m/s)	0.42	0.41	0.44	0.33	0.63
Sediment description	Compact cobbles, gravel and coarse sand	Boulders on pebbles and gravel	Compact pebbles, gravel and coarse sand	Compact gravel, pebbles and shell.	cobbles in coarse sand
Start of line latitude	53.62142	53.62119	53.6211	53.62242	53.62237
Start of line longitude	-4.55682	-4.55724	-4.55739	-4.52147	-4.52698
End of line latitude	53.62119	53.6211	53.62121	53.62242	53.62234
End of line longitude	-4.55724	-4.55739	-4.5572	-4.52151	-4.52715
Depth Below Chart Datum Upper	-69	-69	-68.75	-66.7	-67.75
Depth Below Chart Datum Lower	-70	-69	-69.75	-67	-67.75
Substratum type	Mixed sediments	Mixed sediments	Mixed sediments	Mixed sediments	Mixed sediments
Shells - empty	5	15	15	5	5
Bedrock					
Very Large Boulders >1024mm					
Large Boulders (512 - 1024mm)		2			
Small Boulders (256 - 512mm)		30	1		
Cobbles	2	15	1		5
Pebbles	20	10	25	40	5
Gravel	60	20	40	45	10
Coarse sand	10	8	15	8	60
Medium sand	3		3	2	15
Fine sand					
Mud/silt					
Habitat Category	1	5	2	1	3
Biota description	Gravel with sparse short faunal turf	Thick turf and crust covered boulders with short sparse turf on gravel between.	Short sparse faunal turf and <i>Pomatoceros</i>	Short turf on stable pebbles and gravel	Scour tolerant <i>Flustra</i> on exposed cobbles

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference	2.29.11	2.29.12	2.29.2	2.29.3	2.29.4
Sample	DC.2-29.S11	DC.2-29.S12	DC.2-29.S2	DC.2-29.S3	DC.2-29.S4
Section	11	12	2	3	4
Area	2	2	2	2	2
Video Line No.	29	29	29	29	29
Event Name	2-29	2-29	2-29	2-29	2-29
Event reference	DC.2-29	DC.2-29	DC.2-29	DC.2-29	DC.2-29
Video Section No.	11	12	2	3	4
Gear type	DC	DC	DC	DC	DC
Date (dd/mm/yy)	12/08/2005	12/08/2005	12/08/2005	12/08/2005	12/08/2005
Start Time	17:12	17:17	17:02	17:03	17:05
Duration (mins)	04:44	00:25	00:01	00:16	00:15
Visual quality of sample (poor/moderate/good)	Moderate	Moderate	Very Poor	Poor	Moderate
Time (hh:mm:ss)	17:12:21	17:17:05	17:02:46	17:03:15	17:05:05
Notes			Only a glimpse of the seabed		
Length (m)	176	39	1	6.8	30
Speed (m/s)	0.62	0.62	1	0.43	0.2
Sediment description	Cobbles and gravel	Boulder stack	Boulders on coarse sand and gravel	Compact gravel, pebbles and shell.	Stable gravel, pebbles and cobbles
Start of line latitude	53.62234	53.62195	53.62246	53.62247	53.62247
Start of line longitude	-4.52715	-4.52976	-4.52271	-4.52291	-4.52359
End of line latitude	53.62195	53.62193	53.62246	53.62247	53.6226
End of line longitude	-4.52976	53.62193	-4.52271	-4.52298	-4.52397
Depth Below Chart Datum Upper	-62.5	-62.7	-68.6	-68.6	-68.75
Depth Below Chart Datum Lower	-67.5	-63.4	-68.6	-68.6	-69.75
Substratum type	Mixed sediments	Mixed sediments	Rock	Mixed sediments	Mixed sediments
Shells - empty	5	5	5	10	5
Bedrock					
Very Large Boulders >1024mm					
Large Boulders (512 - 1024mm)			30		
Small Boulders (256 - 512mm)		40	10		
Cobbles	10	20	5		15
Pebbles	20	10	10	40	40
Gravel	40	5	25	40	20
Coarse sand	20	15	15	8	15
Medium sand	5	5		2	5
Fine sand					
Mud/silt					
Habitat Category	2	5	6	1	2
Biota description	Short faunal turf and occasional brittlestars on stable substratum	Faunal turf covered stack of small boulders	Faunal turf on boulders	Sparse faunal turf	Faunal turf on cobbles

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference	2.29.5	2.29.6	2.29.7	2.29.8	2.29.9
Sample	DC.2-29.S5	DC.2-29.S6	DC.2-29.S7	DC.2-29.S8	DC.2-29.S9
Section	5	6	7	8	9
Area	2	2	2	2	2
Video Line No.	29	29	29	29	29
Event Name	2-29	2-29	2-29	2-29	2-29
Event reference	DC.2-29	DC.2-29	DC.2-29	DC.2-29	DC.2-29
Video Section No.	5	6	7	8	9
Gear type	DC	DC	DC	DC	DC
Date (dd/mm/yy)	12/08/2005	12/08/2005	12/08/2005	12/08/2005	12/08/2005
Start Time	17:05	17:05	17:06	17:08	17:11
Duration (mins)	00:20	00:50	01:40	03:28	00:28
Visual quality of sample (poor/moderate/good)	Moderate	Moderate	Moderate	Moderate	Moderate
Time (hh:mm:ss)	17:05:20	17:05:30	17:06:20	17:08:00	17:11:28
Notes					
Length (m)	4.7	22.6	47.2	108	18
Speed (m/s)	0.24	0.45	0.47	0.52	0.64
Sediment description	Small boulders and cobbles	Gravel	Small boulders, cobbles, pebbles and gravel	Pebbles and gravel	Small boulders and cobbles on pebbles and gravel
Start of line latitude	53.6226	53.6226	53.62259	53.62256	53.62241
Start of line longitude	-4.52397	-4.52411	-4.52438	-4.52509	-4.52671
End of line latitude	53.6226	53.62259	53.62256	53.62241	53.62237
End of line longitude	53.6226	-4.52438	-4.52509	-4.52671	-4.52698
Depth Below Chart Datum Upper	-69.8	-69	-69	-69.5	-67.75
Depth Below Chart Datum Lower	-69.9	-69.8	-70	-71	-69.25
Substratum type	Mixed sediments	Mixed sediments	Mixed sediments	Mixed sediments	Mixed sediments
Shells - empty	5	5	10	10	5
Bedrock					
Very Large Boulders >1024mm					
Large Boulders (512 - 1024mm)					
Small Boulders (256 - 512mm)	15		5		10
Cobbles	25	5	15	1	5
Pebbles	10	20	10	30	20
Gravel	10	30	30	40	30
Coarse sand	30	30	20	15	20
Medium sand	5	10	10	4	10
Fine sand					
Mud/silt					
Habitat Category	5	1	4	2	4
Biota description	Faunal turf on small boulders	Short faunal turf	Faunal turf on boulders	Short faunal turf	Short faunal turf on stable substratum

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference	3.01.1	3.02.1	3.03.1	3.03.2	3.03.3
Sample	TV.3-01.S1	TV.3-02.S1	TV.3-03.S1	TV.3-03.S2	TV.3-03.S3
Section	1	1	1	2	3
Area	3	3	3	3	3
Video Line No.	01	02	03	03	03
Event Name	3-01	3-02	3-03	3-03	3-03
Event reference	TV.3-01	TV.3-02	TV.3-03	TV.3-03	TV.3-03
Video Section No.	1	1	1	2	3
Gear type	TV	TV	TV	TV	TV
Date (dd/mm/yy)	10/08/2005	10/08/2005	10/08/2005	10/08/2005	10/08/2005
Start Time	12:53	13:38	14:18	14:30	14:31
Duration (mins)	18:45	22:48	12:00	00:45	02:38
Visual quality of sample (poor/moderate/good)	Moderate	Moderate	Moderate	Moderate	Moderate
Time (hh:mm:ss)	12:53:24	13:38:54	14:18:22	14:30:18	14:31:19
Notes					
Length (m)	700	500	290	20	65
Speed (m/s)	0.62	0.37	0.4	0.44	0.44
Sediment description	Compact gravel and sand with layer of loose empty <i>Modiolus</i> shells scattered on surface	Compact gravel and sand with layer of loose empty <i>Modiolus</i> shells scattered on surface	Compact gravel and sand with layer of loose empty <i>Modiolus</i> shells scattered on surface	Partly embedded small boulders in compact gravel and pebbles.	Compact gravel and sand with layer of loose empty <i>Modiolus</i> shells scattered on surface
Start of line latitude	53.67329	53.666082	53.664855	53.664633	53.66463
Start of line longitude	-4.740245	-4.765328	-4.7896	-4.793662	-4.794042
End of line latitude	53.673758	53.666687	53.664638	53.664628	53.664613
End of line longitude	-4.748223	-4.772817	-4.793602	-4.793977	-4.79501
Depth Below Chart Datum Upper	-45	-40	-42.75	-42.9	-43.5
Depth Below Chart Datum Lower	-51	-41	-44.5	-43.6	-44.1
Substratum type	Mixed sediments	Mixed sediments	Mixed sediments	Mixed sediments	Mixed sediments
Shells - empty	20	50	25	10	25
Bedrock					
Very Large Boulders >1024mm					
Large Boulders (512 - 1024mm)					
Small Boulders (256 - 512mm)				1	
Cobbles	5	5	5	9	5
Pebbles	20	15	15	25	15
Gravel	40	20	40	25	40
Coarse sand	10	5	10	20	10
Medium sand	5	5	5	10	5
Fine sand					
Mud/silt					
Habitat Category	1	1	1	4	1
Biota description	Sparse fauna with occasional Queen Scallops, Dead Men's Fingers and common starfish	Very Sparse fauna. Similar to Video 1 but very few Queen Scallops, and Dead Men's Fingers	Very Sparse fauna. Similar to Video 1 but very few Queen Scallops, and Dead Men's Fingers	Sparse fauna on mixed sediment. But on the small embedded boulders/cobbles there are many Dead Men's Fingers.	Very Sparse fauna. Similar to Video TV.3-03.S1 but very few Queen Scallops, and Dead Men's Fingers

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference	3.04.1	3.04.2	3.04.3	3.04.4	3.04.5
Sample	TV.3-04.S1	TV.3-04.S2	TV.3-04.S3	TV.3-04.S4	TV.3-04.S5
Section	1	2	3	4	5
Area	3	3	3	3	3
Video Line No.	04	04	04	04	04
Event Name	3-04	3-04	3-04	3-04	3-04
Event reference	TV.3-04	TV.3-04	TV.3-04	TV.3-04	TV.3-04
Video Section No.	1	2	3	4	5
Gear type	TV	TV	TV	TV	TV
Date (dd/mm/yy)	10/08/2005	10/08/2005	10/08/2005	10/08/2005	10/08/2005
Start Time	15:03	15:05	15:05	15:18	15:18
Duration (mins)	02:00	00:30	12:30	00:20	02:30
Visual quality of sample (poor/moderate/good)	Moderate	Moderate	Moderate	Moderate	Moderate
Time (hh:mm:ss)	15:03:00	15:05:00	15:05:30	15:18:00	15:18:20
Notes					
Length (m)	50.4	22.8	290	11	60
Speed (m/s)	0.42	0.76	0.39	0.55	0.4
Sediment description	Compact gravel and sand with layer of loose empty <i>Modiolus</i> shells scattered on surface	Mainly small boulders, with cobbles and gravel with loose empty <i>Modiolus</i> shells scattered on surface	Patchy small boulders, cobbles and gravel with loose empty <i>Modiolus</i> shells scattered on surface	Sand and small embedded boulders	Compact gravel and sand with layer of loose empty <i>Modiolus</i> shells scattered on surface
Start of line latitude	53.64176	53.64162167	53.64166333	53.64215167	53.64222667
Start of line longitude	-4.800115	-4.799491667	-4.799153333	-4.796296667	-4.796213333
End of line latitude	53.64162167	53.64166333	53.64215167	53.64222667	53.642865
End of line longitude	-4.799491667	-4.799153333	-4.796296667	-4.796213333	-4.79485
Depth Below Chart Datum Upper	-41.5	-41.3	-40.95	-41.25	-42.7
Depth Below Chart Datum Lower	-42	-41.8	-42.75	-42.55	-43.3
Substratum type	Mixed sediments	Mixed sediments	Mixed sediments	Mixed sediments	Mixed sediments
Shells - empty	20	5	20	5	30
Bedrock					
Very Large Boulders >1024mm					
Large Boulders (512 - 1024mm)					
Small Boulders (256 - 512mm)		60	10	10	
Cobbles	10	15	15	10	
Pebbles	20	10	10		5
Gravel	30	5	20		30
Coarse sand	20	5	15	30	20
Medium sand	10		10	40	10
Fine sand				5	5
Mud/silt					
Habitat Category	1	6	4	3	1
Biota description	Very Sparse fauna. Similar to Video TV.3-03.S1 but no Queen Scallops, or Dead Men's Fingers	Area supports many large colonies of <i>Cliona celata</i> .	Area mainly supports Dead Men's Fingers, common urchins and a faunal turf	Mainly <i>Pomatoceros triqueter</i> and faunal turf on boulders amongst sand	Sparsely colonised

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference	3.04.6	3.04.7	3.05.1	3.06.1	4.08.1
Sample	TV.3-04.S6	TV.3-04.S7	TV.3-05.S1	TV.3-06.S1	TV.4-08.S1
Section	6	7	1	1	1
Area	3	3	3	3	4
Video Line No.	04	04	05	06	08
Event Name	3-04	3-04	3-05	3-06	4-08
Event reference	TV.3-04	TV.3-04	TV.3-05	TV.3-06	TV.4-08
Video Section No.	6	7	1	1	1
Gear type	TV	TV	TV	TV	TV
Date (dd/mm/yy)	10/08/2005	10/08/2005	10/08/2005	10/08/2005	11/08/2005
Start Time	15:20	15:22	15:49	17:51	13:09
Duration (mins)	01:50	00:40	23:56	26:48	22:47
Visual quality of sample (poor/moderate/good)	Moderate	Moderate	Moderate	Moderate	Moderate
Time (hh:mm:ss)	15:20:50	15:22:40	15:49:47	17:51:17	13:09:30
Notes					
Length (m)	58	9.8	550	875	780
Speed (m/s)	0.53	0.25	0.38	0.42	0.57
Sediment description	A few small boulders, cobbles within gravel covered with loose empty <i>Modiolus</i> shells scattered on surface	Lots of boulders	Compact gravel and sand with layer of loose empty <i>Modiolus</i> shells scattered on surface	Coarse mixed sediment plain with abundant empty <i>Modiolus</i> shells	Coarse sand and gravel sediments in small waves
Start of line latitude	53.642865	53.64305667	53.63891	53.65045	53.51485833
Start of line longitude	-4.79485	-4.79413	-4.771848333	-4.763938333	-4.956358333
End of line latitude	53.64305667	53.643115	53.63905	53.650215	53.51071167
End of line longitude	-4.79413	-4.793993333	-4.765463333	-4.754651667	-4.958566667
Depth Below Chart Datum Upper	-42	-44.25	-40.65	-41	-94.5
Depth Below Chart Datum Lower	-44.25	-44.5	-41.1	-42	-98
Substratum type	Mixed sediments	Mixed sediments	Mixed sediments	Mixed sediments	Mixed sediments
Shells - empty	30	5	30	40	15
Bedrock					
Very Large Boulders >1024mm					
Large Boulders (512 - 1024mm)					
Small Boulders (256 - 512mm)	1	5			
Cobbles	19	40	1	3	1
Pebbles	20	25	2	7	9
Gravel	15	20	10	15	30
Coarse sand	10	5	40	30	35
Medium sand	5		17	5	10
Fine sand					
Mud/silt					
Habitat Category	4	5	1	1	1
Biota description	Cobbles and pebbles have faunal turf, <i>Pomatoceros triquetus</i> and frequently Dead Men's Fingers	Cobbles, which are sometimes in piles, support a lot of <i>Pomatoceros triquetus</i> and faunal turf	Very Sparse fauna. Similar to Video TV.3-03.S1 but very few Queen Scallops, and Dead Men's Fingers	Sparse fauna on this mobile sediment plain.	Cobbles support a small faunal turf

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference	4.11.1	4.12.1	4.14.1	4.15.1	4.16.1
Sample	DC.4-11.S1	DC.4-12.S1	DC.4-14.S1	TV.4-15.S1	TV.4-16.S1
Section	1	1	1	1	1
Area	4	4	4	4	4
Video Line No.	11	12	14	15	16
Event Name	4-11	4-12	4-14	4-15	4-16
Event reference	DC.4-11	DC.4-12	DC.4-14	TV.4-15	TV.4-16
Video Section No.	1	1	1	1	1
Gear type	DC	DC	DC	TV	TV
Date (dd/mm/yy)	11/08/2005	11/08/2005	11/08/2005	11/08/2005	11/08/2005
Start Time	14:14	14:47	15:15	16:02	16:54
Duration (mins)	14:31	06:16	00:07:53	14:23	18:30
Visual quality of sample (poor/moderate/good)	Good	Good	Poor	Moderate	Moderate
Time (hh:mm:ss)	14:14:40	14:47:08	15:15:59	16:02:25	16:54:12
Notes			Off bottom for over half of footage. Also poor focussing and quick. Species list under- representative		
Length (m)	126	120	250	215	350
Speed (m/s)	0.145	0.319	0.529	0.249	0.315
Sediment description	Boulders with coarse mixed sediment and empty shells	Bedrock and boulder reef	Small boulders and stable cobbles with patches of gravel and pebbles between.	Mainly pebbles and coarse sand on a flat seabed	Mainly pebbles and coarse Sand on a flat or slightly wavy seabed
Start of line latitude	53.52272833	53.51730167	53.51406667	53.49941	53.49277667
Start of line longitude	-4.917781667	-4.920421667	-4.925353333	-4.938401667	53.49277667
End of line latitude	53.52363167	53.51630167	53.51191833	53.50116167	53.49440667
End of line longitude	-4.917411667	-4.920145	-4.926325	-4.937235	-4.923231667
Depth Below Chart Datum Upper	-68	-70	-80	-76	-85
Depth Below Chart Datum Lower	-71	-71.5	-86	-78	-92
Substratum type	Rock	Rock	Mixed	Mixed sediments	Mixed sediments
Shells - empty	5	2			
Bedrock		23			
Very Large Boulders >1024mm	5	2			
Large Boulders (512 - 1024mm)	5	13	1	1	1
Small Boulders (256 - 512mm)	20	20	19	1	1
Cobbles	35	25	50	3	3
Pebbles	10	10	20	30	30
Gravel	10	5	10	30	30
Coarse sand	5			25	25
Medium sand	5			10	10
Fine sand					
Mud/silt					
Habitat Category	6	6	5	5	5

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Biota description

Boulders support faunal turf and crusts, Dead Men's Fingers and sponges.

exposed bedrock and boulders support faunal turf and crusts as well as Dead Men's Fingers,

Boulders support faunal turf and crusts, Dead Men's Fingers, starfish and urchins.

Pebbles and gravel seem fairly stable and support a small turf as well as occasional Dead Men's Fingers and anemones

Pebbles and gravel seem fairly stable and support a small turf as well as occasional Dead Men's Fingers and anemones

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference	4.19.1	4.20.1	4.20.2	4.20.3	4.20.4
Sample	DC.4-19.S1	DC.4-20.S1	DC.4-20.S2	DC.4-20.S3	DC.4-20.S4
Section	1	1	2	3	4
Area	4	4	4	4	4
Video Line No.	19	20	20	20	20
Event Name	4-19	4-20	4-20	4-20	4-20
Event reference	DC.4-19	DC.4-20	DC.4-20	DC.4-20	DC.4-20
Video Section No.	1	1	2	3	4
Gear type	DC	DC	DC	DC	DC
Date (dd/mm/yy)	11/08/2005	11/08/2005	11/08/2005	11/08/2005	11/08/2005
Start Time	20:32	20:46	20:48	20:50	20:51
Duration (mins)	05:17	02:13	01:59	01:05	01:57
Visual quality of sample (poor/moderate/good)	Good	Good	Good	Good	Good
Time (hh:mm:ss)	20:32:15	20:46:05	20:48:18		20:51:22
Notes					
Length (m)	120	20	43	30	47
Speed (m/s)	0.379	0.15	0.36	0.46	0.4
Sediment description	Mainly gravel with some pebbles and coarse sand	Mainly cobbles and pebbles	Coarse sand waves over cobbles and boulders	Mainly cobbles and pebbles	Coarse sand waves over cobbles and boulders
Start of line latitude	53.50131167	53.50544833	53.50534833	53.504965	53.504725
Start of line longitude	-4.968821667	-4.977046667	-4.977235	-4.977143333	-4.977125
End of line latitude	53.50032167	53.50534833	53.504965	53.504725	53.50435833
End of line longitude	-4.96951	-4.977235	-4.977143333	-4.977125	-4.977335
Depth Below Chart Datum Upper	-65.5	-63.8	-63.7	-63.7	-60.75
Depth Below Chart Datum Lower	-67.5	-64.3	-64	-63	-63
Substratum type	Mixed sediments	Mixed sediments	Mixed sediments	Mixed sediments	Mixed sediments
Shells - empty					
Bedrock					
Very Large Boulders >1024mm					1
Large Boulders (512 - 1024mm)			1		
Small Boulders (256 - 512mm)			9	20	6
Cobbles	10	20	15	40	14
Pebbles	20	30	4	15	7
Gravel	30	30	1	10	7
Coarse sand	30	15	65	10	60
Medium sand	10	5	5	5	5
Fine sand					
Mud/silt					
Habitat Category	3	3	3	3	3
Biota description	Pebbles and gravel seem very scoured resulting in the scour tolerant community of bryozoans and cnidarians	Foliose covered bryozoan and hydroid covered cobbles and pebbles	Small boulders and cobbles support scour tolerant community of bryozoans and cnidarians	Foliose covered bryozoan and hydroid covered cobbles and pebbles	Small boulders and cobbles support scour tolerant community of bryozoans and cnidarians

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference	4.21.1	4.22.1	4.22.2	4.23.1	4.23.2
Sample	DC.4-21.S1	DC.4-22.S1	DC.4-22.S2	DC.4-23.S1	DC.4-23.S2
Section	1	1	2	1	2
Area	4	4	4	4	4
Video Line No.	21	22	22	23	23
Event Name	4-21	4-22	4-22	4-23	4-23
Event reference	DC.4-21	DC.4-22	DC.4-22	DC.4-23	DC.4-23
Video Section No.	1	1	2	1	2
Gear type	DC	DC	DC	DC	DC
Date (dd/mm/yy)	11/08/2005	11/08/2005	11/08/2005	11/08/2005	11/08/2005
Start Time	21:02	21:23	21:28	21:57	22:05
Duration (mins)	06:44	04:36	09:05	07:46	04:22
Visual quality of sample (poor/moderate/good)	Good	Good	Moderate	Good	Good
Time (hh:mm:ss)	21:02:00	21:23:24	21:28:00	21:57:29	22:05:15
Notes					
Length (m)	82	54	72	106	67
Speed (m/s)	0.2	0.2	0.13	0.23	0.26
Sediment description	Small boulders and stable cobble with patches of gravel and pebbles between.	Mainly pebble and loose scallop and <i>Modiolus</i> shell	Mainly cobbles and pebble with occasional small boulders	Coarse sand waves over cobbles and boulders	Mainly cobbles and pebble with occasional small boulders
Start of line latitude	53.50850167	53.50278	53.50231333	53.51516667	53.51573
Start of line longitude	-4.967106667	-4.943066667	-4.943283333	-4.8954	-4.894103333
End of line latitude	53.50799	53.50231333	53.50183167	53.51573	53.51604167
End of line longitude	-4.966306667	-4.943283333	-4.943993333	-4.894103333	-4.89331
Depth Below Chart Datum Upper	-64.5	-68.3	-67.6	-65	-70
Depth Below Chart Datum Lower	-66.25	-68.5	-68.4	-70	-77
Substratum type	Mixed sediments	Mixed sediments	Mixed sediments	Mixed sediments	Mixed sediments
Shells - empty	10	20	5		5
Bedrock					
Very Large Boulders >1024mm					
Large Boulders (512 - 1024mm)	1		1		2
Small Boulders (256 - 512mm)	4		3	10	8
Cobbles	40		45	15	50
Pebbles	20	50	25		20
Gravel	15	20	15		10
Coarse sand	8	10	6	70	5
Medium sand	2			5	
Fine sand					
Mud/silt					
Habitat Category	5	2	5	3	5
Biota description	Rich area with abundant Dead Men's Fingers, faunal turf and crusts. Also crabs and anemones, starfish and urchins.	Short sparse faunal turf on shell and compacted pebble seabed	Faunal turf on cobbles and boulders	Small boulders and cobbles support scour tolerant community of bryozoans and cnidarians	Faunal turf on cobbles and boulders

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference Sample	1.32.1 DC.1-32.S1	1.33.1 DC.1-33.S1	1.34.1 DC.1-34.S1	1.34.2 DC.1-34.S2	1.37.1 DC.1-37.S1
<i>Alcyonium digitatum</i>		F		C	
<i>Urticia eques</i>	O				
<i>Metridium senile</i>					
<i>Sagartia troglodytes</i>					
<i>Sagartia elegans</i>					
<i>Pecten maximus</i>					
<i>Aequipecten opercularis</i>					
<i>Modiolus modiolus</i>					
<i>Buccinum undatum</i>					
<i>Calliostoma zizyphinum</i>					R
<i>Sabella parvonina</i>			R		
<i>Pomatoceros triqueter</i>	O			O	O
<i>Balanus crenatus?</i>	O				O
Faunal turf	A	A		C	A
Faunal crusts				O	O
<i>Flustra foliacea</i>		C	O	O	F
<i>Nemertesia ramosa</i>		F		O	O
<i>Nemertesia antennina</i>		O	R		O
<i>Abietinaria abietina</i>	C			O	
<i>Hydallmania falcata</i>					
<i>Pagurus bernhardus</i>					
<i>Munida rugosa</i>					
<i>Macropodia rostrata</i>				R	
<i>Inachus</i> sp.					
<i>Hyas araneus</i>					
<i>Corystes cassivelaunus</i>					
Crab sp. A					
Crab sp. B					
<i>Cliona celata</i>					
<i>Tethya citrina</i>					
<i>Axinella infundibuliformis</i>					
Porifera indet (massive orange)					
<i>Asciidiella aspersa</i>					
<i>Ascidia virginea</i>				R	
<i>Ciona intestinalis</i>	R	R			
<i>Asciidiella scabra</i>					
<i>Polycarpa pomaria</i>					
<i>Alcyonidium diaphanum</i>					
<i>Henricia oculata</i>					R
<i>Ophiocomina nigra</i>	O	O			
<i>Ophiothrix fragilis</i>	S	A			
<i>Ophiura ophiura</i>					
<i>Antedon petasus</i>		R			O
<i>Anseropoda placenta</i>					
<i>Asterias rubens</i>	F	F	O	O	
<i>Crossaster papposus</i>	R	R	R		
<i>Echinus esculentus</i>	R	C		O	F
<i>Callionymus lyra</i>					
<i>Scyliorhinus canicula</i>					
<i>Aspitrigla cuculus</i>					
<i>Raja naevus</i>					
<i>Raja Montagu</i>					
Skate (unidentified)					
<i>Pholis gunnellus</i>					

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference Sample	1.37.10 DC.1-37.S10	1.37.2 DC.1-37.S2	1.37.3 DC.1-37.S3	1.37.4 DC.1-37.S4	1.37.5 DC.1-37.S5
<i>Alcyonium digitatum</i>			R		
<i>Urticia eques</i>				R	
<i>Metridium senile</i>					
<i>Sagartia troglodytes</i>					
<i>Sagartia elegans</i>					
<i>Pecten maximus</i>					
<i>Aequipecten opercularis</i>					
<i>Modiolus modiolus</i>					
<i>Buccinum undatum</i>			R		
<i>Calliostoma zizyphinum</i>		R			
<i>Sabella parvonina</i>					
<i>Pomatoceros triqueter</i>	C	F	R	C	
<i>Balanus crenatus?</i>	F		R		
Faunal turf		A	F	C	C
Faunal crusts	C	C		O	
<i>Flustra foliacea</i>	C	C	F	C	F
<i>Nemertesia ramosa</i>		C			O
<i>Nemertesia antennina</i>			O	O	
<i>Abietinaria abietina</i>	O				
<i>Hydallmania falcata</i>					O
<i>Pagurus bernhardus</i>					
<i>Munida rugosa</i>					
<i>Macropodia rostrata</i>					R
<i>Inachus</i> sp.					
<i>Hyas araneus</i>					
<i>Corystes cassivelaunus</i>					
Crab sp. A					
Crab sp. B					
<i>Cliona celata</i>				O	
<i>Tethya citrina</i>					
<i>Axinella infundibuliformis</i>					
Porifera indet (massive orange)					
<i>Asciidiella aspersa</i>					
<i>Ascidia virginea</i>	R				R
<i>Ciona intestinalis</i>		R		R	
<i>Asciidiella scabra</i>					
<i>Polycarpa pomaria</i>					
<i>Alcyonidium diaphanum</i>					
<i>Henricia oculata</i>		R			
<i>Ophiocomina nigra</i>					
<i>Ophiothrix fragilis</i>					
<i>Ophiura ophiura</i>					
<i>Antedon petasus</i>			R	R	
<i>Anseropoda placenta</i>					
<i>Asterias rubens</i>		O			O
<i>Crossaster papposus</i>					
<i>Echinus esculentus</i>				F	
<i>Callionymus lyra</i>					
<i>Scyliorhinus canicula</i>					
<i>Aspitrigla cuculus</i>					
<i>Raja naevus</i>					
<i>Raja Montagu</i>					
Skate (unidentified)					
<i>Pholis gunnellus</i>					

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference Sample	1.37.6 DC.1-37.S6	1.37.7 DC.1-37.S7	1.37.8 DC.1-37.S8	1.37.9 DC.1-37.S9	1.38.1 DC.1-38.S1
<i>Alcyonium digitatum</i>					
<i>Urticia eques</i>					F
<i>Metridium senile</i>					
<i>Sagartia troglodytes</i>					
<i>Sagartia elegans</i>					
<i>Pecten maximus</i>					
<i>Aequipecten opercularis</i>					
<i>Modiolus modiolus</i>					
<i>Buccinum undatum</i>					
<i>Calliostoma zizyphinum</i>					
<i>Sabella parvonina</i>					R
<i>Pomatoceros triqueter</i>			C		
<i>Balanus crenatus?</i>			C		
Faunal turf		C	A		C
Faunal crusts			F		
<i>Flustra foliacea</i>		F	C	O	
<i>Nemertesia ramosa</i>		O			R
<i>Nemertesia antennina</i>				O	
<i>Abietinaria abietina</i>			O		
<i>Hydallmania falcata</i>					
<i>Pagurus bernhardus</i>					
<i>Munida rugosa</i>					R
<i>Macropodia rostrata</i>					O
<i>Inachus</i> sp.					
<i>Hyas araneus</i>					
<i>Corystes cassivelaunus</i>					
Crab sp. A					
Crab sp. B					
<i>Cliona celata</i>					
<i>Tethya citrina</i>					
<i>Axinella infundibuliformis</i>					
Porifera indet (massive orange)					
<i>Asciidiella aspersa</i>					
<i>Ascidia virginea</i>					
<i>Ciona intestinalis</i>					
<i>Asciidiella scabra</i>					
<i>Polycarpa pomaria</i>					
<i>Alcyonidium diaphanum</i>					
<i>Henricia oculata</i>					
<i>Ophiocomina nigra</i>					
<i>Ophiothrix fragilis</i>					
<i>Ophiura ophiura</i>					
<i>Antedon petasus</i>					
<i>Anseropoda placenta</i>					R
<i>Asterias rubens</i>		O			O
<i>Crossaster papposus</i>					F
<i>Echinus esculentus</i>			F		
<i>Callionymus lyra</i>					
<i>Scyliorhinus canicula</i>					
<i>Aspitrigla cuculus</i>					
<i>Raja naevus</i>					
<i>Raja Montagui</i>					
Skate (unidentified)					
<i>Pholis gunnellus</i>					

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference Sample	1.38.2 DC.1-38.S2	1.38.3 DC.1-38.S3	1.38.4 DC.1-38.S4	1.38.5 DC.1-38.S5	1.38.6 DC.1-38.S6
<i>Alcyonium digitatum</i>			O		O
<i>Urticia eques</i>					
<i>Metridium senile</i>					
<i>Sagartia troglodytes</i>					
<i>Sagartia elegans</i>					
<i>Pecten maximus</i>					
<i>Aequipecten opercularis</i>					
<i>Modiolus modiolus</i>					
<i>Buccinum undatum</i>					
<i>Calliostoma zizyphinum</i>					
<i>Sabella parvonina</i>		R			
<i>Pomatoceros triqueter</i>			F		O
<i>Balanus crenatus?</i>					O
Faunal turf	C	F	F	C	A
Faunal crusts			O		
<i>Flustra foliacea</i>	R	C	O	O	F
<i>Nemertesia ramosa</i>	R	F	O	R	O
<i>Nemertesia antennina</i>					
<i>Abietinaria abietina</i>					
<i>Hydallmania falcata</i>					
<i>Pagurus bernhardus</i>					
<i>Munida rugosa</i>					
<i>Macropodia rostrata</i>					R
<i>Inachus</i> sp.					
<i>Hyas araneus</i>					
<i>Corystes cassivelaunus</i>					
Crab sp. A					
Crab sp. B					
<i>Cliona celata</i>		R			
<i>Tethya citrina</i>					
<i>Axinella infundibuliformis</i>					
Porifera indet (massive orange)					
<i>Asciidiella aspersa</i>					
<i>Ascidia virginea</i>		R			O
<i>Ciona intestinalis</i>		R			
<i>Asciidiella scabra</i>					
<i>Polycarpa pomaria</i>					
<i>Alcyonidium diaphanum</i>					O
<i>Henricia oculata</i>		R			R
<i>Ophiocomina nigra</i>	F	O			
<i>Ophiothrix fragilis</i>	A			O	
<i>Ophiura ophiura</i>					
<i>Antedon petasus</i>					
<i>Anseropoda placenta</i>					
<i>Asterias rubens</i>	R	R	O	R	R
<i>Crossaster papposus</i>		F			
<i>Echinus esculentus</i>			F		
<i>Callionymus lyra</i>					
<i>Scyliorhinus canicula</i>					
<i>Aspitrigla cuculus</i>					
<i>Raja naevus</i>					
<i>Raja Montagui</i>					
Skate (unidentified)					
<i>Pholis gunnellus</i>					

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference Sample	1.38.7 DC.1-38.S7	1.39.1 DC.1-39.S1	1.39.2 DC.1-39.S2	1.39.3 DC.1-39.S3	1.39.4 DC.1-39.S4
<i>Alcyonium digitatum</i>			R	O	O
<i>Urticia eques</i>					
<i>Metridium senile</i>					
<i>Sagartia troglodytes</i>					
<i>Sagartia elegans</i>					
<i>Pecten maximus</i>					
<i>Aequipecten opercularis</i>					
<i>Modiolus modiolus</i>					
<i>Buccinum undatum</i>					
<i>Calliostoma zizyphinum</i>					
<i>Sabella parvonina</i>					
<i>Pomatoceros triqueter</i>		C	O	C	F
<i>Balanus crenatus?</i>		F			
Faunal turf	C	A	O	F	A
Faunal crusts					
<i>Flustra foliacea</i>	O			C	C
<i>Nemertesia ramosa</i>	O				
<i>Nemertesia antennina</i>					
<i>Abietinaria abietina</i>		F			
<i>Hydallmania falcata</i>		F		C	C
<i>Pagurus bernhardus</i>					
<i>Munida rugosa</i>		R			F
<i>Macropodia rostrata</i>					R
<i>Inachus</i> sp.					
<i>Hyas araneus</i>					
<i>Corystes cassivelaunus</i>					
Crab sp. A					
Crab sp. B					
<i>Cliona celata</i>					
<i>Tethya citrina</i>					
<i>Axinella infundibuliformis</i>					
Porifera indet (massive orange)					R
<i>Asciidiella aspersa</i>					
<i>Ascidia virginea</i>					
<i>Ciona intestinalis</i>	R	O			
<i>Asciidiella scabra</i>					
<i>Polycarpa pomaria</i>					
<i>Alcyonidium diaphanum</i>	O				
<i>Henricia oculata</i>					
<i>Ophiocomina nigra</i>					
<i>Ophiothrix fragilis</i>		A			C
<i>Ophiura ophiura</i>	O				
<i>Antedon petasus</i>					O
<i>Anseropoda placenta</i>					R
<i>Asterias rubens</i>		R	R	R	O
<i>Crossaster papposus</i>					R
<i>Echinus esculentus</i>					O
<i>Callionymus lyra</i>					
<i>Scyliorhinus canicula</i>					
<i>Aspitrigla cuculus</i>					
<i>Raja naevus</i>					
<i>Raja Montagu</i>					
Skate (unidentified)					
<i>Pholis gunnellus</i>					

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference Sample	1.39.5 DC.1-39.S5	1.39.6 DC.1-39.S6	1.39.7 DC.1-39.S7	2.24.1 DC.2-24.S1	2.24.2 DC.2-24.S2
<i>Alcyonium digitatum</i>		O	C		C
<i>Urticia eques</i>			O		R
<i>Metridium senile</i>					
<i>Sagartia troglodytes</i>					
<i>Sagartia elegans</i>					
<i>Pecten maximus</i>					
<i>Aequipecten opercularis</i>					
<i>Modiolus modiolus</i>					
<i>Buccinum undatum</i>		R	R		
<i>Calliostoma zizyphinum</i>					
<i>Sabella parvonina</i>					
<i>Pomatoceros triqueter</i>	O	C			C
<i>Balanus crenatus?</i>					
Faunal turf		C	C	R	C
Faunal crusts					C
<i>Flustra foliacea</i>	O	F	F	R	
<i>Nemertesia ramosa</i>		O			
<i>Nemertesia antennina</i>	O				
<i>Abietinaria abietina</i>					O
<i>Hydallmania falcata</i>				R	
<i>Pagurus bernhardus</i>				R	
<i>Munida rugosa</i>		R			
<i>Macropodia rostrata</i>			F		R
<i>Inachus</i> sp.					
<i>Hyas araneus</i>					
<i>Corystes cassivelaunus</i>					
Crab sp. A					
Crab sp. B					
<i>Cliona celata</i>					
<i>Tethya citrina</i>					
<i>Axinella infundibuliformis</i>					
Porifera indet (massive orange)					
<i>Asciidiella aspersa</i>					
<i>Ascidia virginea</i>		R			
<i>Ciona intestinalis</i>					
<i>Asciidiella scabra</i>					
<i>Polycarpa pomaria</i>					
<i>Alcyonidium diaphanum</i>					
<i>Henricia oculata</i>					
<i>Ophiocomina nigra</i>		O			
<i>Ophiothrix fragilis</i>		C	C		
<i>Ophiura ophiura</i>					
<i>Antedon petasus</i>					
<i>Anseropoda placenta</i>					
<i>Asterias rubens</i>	O	O		F	
<i>Crossaster papposus</i>		O	F		R
<i>Echinus esculentus</i>		O	O		O
<i>Callionymus lyra</i>					
<i>Scyliorhinus canicula</i>					
<i>Aspitrigla cuculus</i>					
<i>Raja naevus</i>					
<i>Raja Montagu</i>					
Skate (unidentified)					
<i>Pholis gunnellus</i>					

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference Sample	2.24.3 DC.2-24.S3	2.25.1 DC.2-25.S1	2.26.1 DC.2-26.S1	2.26.2 DC.2-26.S2	2.26.3 DC.2-26.S3
<i>Alcyonium digitatum</i>		C		F	
<i>Urticia eques</i>					
<i>Metridium senile</i>		R			
<i>Sagartia troglodytes</i>					
<i>Sagartia elegans</i>					
<i>Pecten maximus</i>					
<i>Aequipecten opercularis</i>		R			
<i>Modiolus modiolus</i>					
<i>Buccinum undatum</i>					
<i>Calliostoma zizyphinum</i>		O			
<i>Sabella parvonina</i>				O	R
<i>Pomatoceros triqueter</i>		A		C	R
<i>Balanus crenatus?</i>				O	
Faunal turf		A	C	C	C
Faunal crusts		C	R	C	R
<i>Flustra foliacea</i>		R			
<i>Nemertesia ramosa</i>				R	
<i>Nemertesia antennina</i>		R	F	O	R
<i>Abietinaria abietina</i>		C			
<i>Hydallmania falcata</i>					
<i>Pagurus bernhardus</i>					
<i>Munida rugosa</i>		R	R	R	
<i>Macropodia rostrata</i>		F		R	
<i>Inachus</i> sp.					
<i>Hyas araneus</i>					
<i>Corystes cassivelaunus</i>					
Crab sp. A					
Crab sp. B					
<i>Cliona celata</i>				R	
<i>Tethya citrina</i>					
<i>Axinella infundibuliformis</i>					
Porifera indet (massive orange)					
<i>Asciidiella aspersa</i>					
<i>Ascidia virginea</i>		R		R	
<i>Ciona intestinalis</i>		R			
<i>Asciidiella scabra</i>					
<i>Polycarpa pomaria</i>					
<i>Alcyonidium diaphanum</i>					
<i>Henricia oculata</i>					
<i>Ophiocomina nigra</i>					
<i>Ophiothrix fragilis</i>					
<i>Ophiura ophiura</i>					
<i>Antedon petasus</i>		R		R	
<i>Anseropoda placenta</i>					
<i>Asterias rubens</i>	R	C	O	O	
<i>Crossaster papposus</i>					
<i>Echinus esculentus</i>		C	F	F	F
<i>Callionymus lyra</i>					
<i>Scyliorhinus canicula</i>				R	
<i>Aspitrigla cuculus</i>					
<i>Raja naevus</i>					
<i>Raja Montagui</i>					
Skate (unidentified)					
<i>Pholis gunnellus</i>				R	

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference Sample	2.27.1 DC.2-27.S1	2.27.10 DC.2-27.S10	2.27.11 DC.2-27.S11	2.27.12 DC.2-27.S12	2.27.13 DC.2-27.S13
<i>Alcyonium digitatum</i>				O	C
<i>Urticia eques</i>				R	F
<i>Metridium senile</i>					
<i>Sagartia troglodytes</i>					
<i>Sagartia elegans</i>					
<i>Pecten maximus</i>					
<i>Aequipecten opercularis</i>					
<i>Modiolus modiolus</i>					
<i>Buccinum undatum</i>					
<i>Calliostoma zizyphinum</i>					
<i>Sabella parvonina</i>					
<i>Pomatoceros triqueter</i>			A		A
<i>Balanus crenatus?</i>					
Faunal turf	F	O	C	O	C
Faunal crusts			C		
<i>Flustra foliacea</i>					O
<i>Nemertesia ramosa</i>					
<i>Nemertesia antennina</i>					
<i>Abietinaria abietina</i>			F		
<i>Hydallmania falcata</i>				O	
<i>Pagurus bernhardus</i>					
<i>Munida rugosa</i>					
<i>Macropodia rostrata</i>					
<i>Inachus</i> sp.					
<i>Hyas araneus</i>					
<i>Corystes cassivelaunus</i>					
Crab sp. A					
Crab sp. B					
<i>Cliona celata</i>				R	
<i>Tethya citrina</i>					
<i>Axinella infundibuliformis</i>					
Porifera indet (massive orange)					
<i>Asciidiella aspersa</i>			R		
<i>Ascidia virginea</i>					
<i>Ciona intestinalis</i>					
<i>Asciidiella scabra</i>					
<i>Polycarpa pomaria</i>					
<i>Alcyonidium diaphanum</i>					
<i>Henricia oculata</i>					
<i>Ophiocomina nigra</i>					
<i>Ophiothrix fragilis</i>					
<i>Ophiura ophiura</i>					
<i>Antedon petasus</i>					
<i>Anseropoda placenta</i>					
<i>Asterias rubens</i>			R		
<i>Crossaster papposus</i>					
<i>Echinus esculentus</i>					
<i>Callionymus lyra</i>					
<i>Scyliorhinus canicula</i>					
<i>Aspitrigla cuculus</i>					
<i>Raja naevus</i>					
<i>Raja Montagu</i>					
Skate (unidentified)					
<i>Pholis gunnellus</i>					

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference Sample	2.27.14 DC.2-27.S14	2.27.15 DC.2-27.S15	2.27.16 DC.2-27.S16	2.27.17 DC.2-27.S17	2.27.2 DC.2-27.S2
<i>Alcyonium digitatum</i>	O	C	C	F	
<i>Urticia eques</i>	R		O		O
<i>Metridium senile</i>					
<i>Sagartia troglodytes</i>					
<i>Sagartia elegans</i>					
<i>Pecten maximus</i>					
<i>Aequipecten opercularis</i>					
<i>Modiolus modiolus</i>					
<i>Buccinum undatum</i>					
<i>Calliostoma zizyphinum</i>					
<i>Sabella parvonina</i>					
<i>Pomatoceros triqueter</i>		C	F	C	A
<i>Balanus crenatus?</i>				O	
Faunal turf	A	A	F	C	C
Faunal crusts		O		F	
<i>Flustra foliacea</i>					
<i>Nemertesia ramosa</i>					
<i>Nemertesia antennina</i>					
<i>Abietinaria abietina</i>		C			C
<i>Hydallmania falcata</i>					
<i>Pagurus bernhardus</i>					
<i>Munida rugosa</i>					O
<i>Macropodia rostrata</i>		R			
<i>Inachus</i> sp.					
<i>Hyas araneus</i>					
<i>Corystes cassivelaunus</i>					
Crab sp. A					
Crab sp. B					
<i>Cliona celata</i>					
<i>Tethya citrina</i>					
<i>Axinella infundibuliformis</i>					
Porifera indet (massive orange)					
<i>Asciidiella aspersa</i>					
<i>Ascidia virginea</i>		R			
<i>Ciona intestinalis</i>		O		O	
<i>Asciidiella scabra</i>					
<i>Polycarpa pomaria</i>					
<i>Alcyonidium diaphanum</i>					
<i>Henricia oculata</i>					
<i>Ophiocomina nigra</i>					
<i>Ophiothrix fragilis</i>					
<i>Ophiura ophiura</i>					
<i>Antedon petasus</i>					
<i>Anseropoda placenta</i>					
<i>Asterias rubens</i>			O		
<i>Crossaster papposus</i>					
<i>Echinus esculentus</i>					
<i>Callionymus lyra</i>					
<i>Scyliorhinus canicula</i>					
<i>Aspitrigla cuculus</i>					
<i>Raja naevus</i>					
<i>Raja Montagu</i>					
Skate (unidentified)					
<i>Pholis gunnellus</i>					

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference Sample	2.27.3 DC.2-27.S3	2.27.4 DC.2-27.S4	2.27.5 DC.2-27.S5	2.27.6 DC.2-27.S6	2.27.7 DC.2-27.S7
<i>Alcyonium digitatum</i>		F			F
<i>Urticia eques</i>		O			O
<i>Metridium senile</i>					
<i>Sagartia troglodytes</i>					
<i>Sagartia elegans</i>					
<i>Pecten maximus</i>					
<i>Aequipecten opercularis</i>					
<i>Modiolus modiolus</i>					
<i>Buccinum undatum</i>					
<i>Calliostoma zizyphinum</i>		R			
<i>Sabella parvonina</i>		R			
<i>Pomatoceros triqueter</i>		C	C		C
<i>Balanus crenatus?</i>					
Faunal turf	F	C	C	O	C
Faunal crusts		F			F
<i>Flustra foliacea</i>					
<i>Nemertesia ramosa</i>					
<i>Nemertesia antennina</i>					
<i>Abietinaria abietina</i>		C	C		
<i>Hydallmania falcata</i>					
<i>Pagurus bernhardus</i>					
<i>Munida rugosa</i>					
<i>Macropodia rostrata</i>					
<i>Inachus</i> sp.					
<i>Hyas araneus</i>					
<i>Corystes cassivelaunus</i>					
Crab sp. A					
Crab sp. B					
<i>Cliona celata</i>					
<i>Tethya citrina</i>					
<i>Axinella infundibuliformis</i>					
Porifera indet (massive orange)					
<i>Asciidiella aspersa</i>					
<i>Ascidia virginea</i>					
<i>Ciona intestinalis</i>					
<i>Asciidiella scabra</i>					
<i>Polycarpa pomaria</i>					
<i>Alcyonidium diaphanum</i>					
<i>Henricia oculata</i>					
<i>Ophiocomina nigra</i>					
<i>Ophiothrix fragilis</i>					
<i>Ophiura ophiura</i>					
<i>Antedon petasus</i>					
<i>Anseropoda placenta</i>					
<i>Asterias rubens</i>		O			
<i>Crossaster papposus</i>					
<i>Echinus esculentus</i>		O			O
<i>Callionymus lyra</i>					
<i>Scyliorhinus canicula</i>					
<i>Aspitrigla cuculus</i>					
<i>Raja naevus</i>					
<i>Raja Montagui</i>					
Skate (unidentified)					
<i>Pholis gunnellus</i>					

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference Sample	2.27.8 DC.2-27.S8	2.27.9 DC.2-27.S9	2.28.1 DC.2-28.S1	2.28.2 DC.2-28.S2	2.28.3 DC.2-28.S3
<i>Alcyonium digitatum</i>	O				F
<i>Urticia eques</i>			O	O	
<i>Metridium senile</i>					
<i>Sagartia troglodytes</i>					
<i>Sagartia elegans</i>					
<i>Pecten maximus</i>					
<i>Aequipecten opercularis</i>				R	
<i>Modiolus modiolus</i>					
<i>Buccinum undatum</i>					
<i>Calliostoma zizyphinum</i>					
<i>Sabella parvonina</i>					
<i>Pomatoceros triqueter</i>		C	C		F
<i>Balanus crenatus?</i>					F
Faunal turf	O	A	A	A	A
Faunal crusts		F			
<i>Flustra foliacea</i>			F	C	
<i>Nemertesia ramosa</i>			O		
<i>Nemertesia antennina</i>				R	
<i>Abietinaria abietina</i>		C	C		C
<i>Hydallmania falcata</i>				F	C
<i>Pagurus bernhardus</i>				O	
<i>Munida rugosa</i>					O
<i>Macropodia rostrata</i>			F	F	
<i>Inachus</i> sp.				R	R
<i>Hyas araneus</i>					
<i>Corystes cassivelaunus</i>					
Crab sp. A					
Crab sp. B					
<i>Cliona celata</i>					
<i>Tethya citrina</i>					
<i>Axinella infundibuliformis</i>					
Porifera indet (massive orange)					
<i>Asciidiella aspersa</i>					
<i>Ascidia virginea</i>					
<i>Ciona intestinalis</i>					
<i>Asciidiella scabra</i>				F	
<i>Polycarpa pomaria</i>					
<i>Alcyonidium diaphanum</i>					
<i>Henricia oculata</i>					
<i>Ophiocomina nigra</i>					
<i>Ophiothrix fragilis</i>					
<i>Ophiura ophiura</i>					
<i>Antedon petasus</i>					
<i>Anseropoda placenta</i>					
<i>Asterias rubens</i>	R			R	
<i>Crossaster papposus</i>					
<i>Echinus esculentus</i>					
<i>Callionymus lyra</i>					
<i>Scyliorhinus canicula</i>					
<i>Aspitrigla cuculus</i>					
<i>Raja naevus</i>					
<i>Raja Montagui</i>					
Skate (unidentified)					
<i>Pholis gunnellus</i>					

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference Sample	2.28.4 DC.2-28.S4	2.28.5 DC.2-28.S5	2.28.6 DC.2-28.S6	2.29.1 DC.2-29.S1	2.29.10 DC.2-29.S10
<i>Alcyonium digitatum</i>					
<i>Urticia eques</i>		O			
<i>Metridium senile</i>					
<i>Sagartia troglodytes</i>					
<i>Sagartia elegans</i>					
<i>Pecten maximus</i>					
<i>Aequipecten opercularis</i>					
<i>Modiolus modiolus</i>					
<i>Buccinum undatum</i>					
<i>Calliostoma zizyphinum</i>					
<i>Sabella parvonina</i>		R			
<i>Pomatoceros triqueter</i>		C	R		
<i>Balanus crenatus?</i>					
Faunal turf	F	C	O	O	
Faunal crusts		C			
<i>Flustra foliacea</i>	O	O			C
<i>Nemertesia ramosa</i>					
<i>Nemertesia antennina</i>					
<i>Abietinaria abietina</i>		F			
<i>Hydallmania falcata</i>	O	C	O		
<i>Pagurus bernhardus</i>			O		
<i>Munida rugosa</i>					
<i>Macropodia rostrata</i>					
<i>Inachus</i> sp.					
<i>Hyas araneus</i>					
<i>Corystes cassivelaunus</i>					
Crab sp. A					
Crab sp. B					
<i>Cliona celata</i>					
<i>Tethya citrina</i>					
<i>Axinella infundibuliformis</i>					
Porifera indet (massive orange)					
<i>Asciidiella aspersa</i>					
<i>Ascidia virginea</i>	R				
<i>Ciona intestinalis</i>					
<i>Asciidiella scabra</i>					
<i>Polycarpa pomaria</i>					
<i>Alcyonidium diaphanum</i>					
<i>Henricia oculata</i>					
<i>Ophiocomina nigra</i>					
<i>Ophiothrix fragilis</i>					
<i>Ophiura ophiura</i>					
<i>Antedon petasus</i>					
<i>Anseropoda placenta</i>					
<i>Asterias rubens</i>	R		O		O
<i>Crossaster papposus</i>			R		
<i>Echinus esculentus</i>		R			
<i>Callionymus lyra</i>					
<i>Scyliorhinus canicula</i>					
<i>Aspitrigla cuculus</i>					
<i>Raja naevus</i>					
<i>Raja Montagui</i>					
Skate (unidentified)					
<i>Pholis gunnellus</i>					

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference Sample	2.29.11 DC.2-29.S11	2.29.12 DC.2-29.S12	2.29.2 DC.2-29.S2	2.29.3 DC.2-29.S3	2.29.4 DC.2-29.S4
<i>Alcyonium digitatum</i>					
<i>Urticia eques</i>	R	F			
<i>Metridium senile</i>					
<i>Sagartia troglodytes</i>					
<i>Sagartia elegans</i>					
<i>Pecten maximus</i>					
<i>Aequipecten opercularis</i>					
<i>Modiolus modiolus</i>					
<i>Buccinum undatum</i>					
<i>Calliostoma zizyphinum</i>					
<i>Sabella parvonina</i>					
<i>Pomatoceros triqueter</i>	O	F			
<i>Balanus crenatus?</i>		O			
Faunal turf	C	A	C	O	C
Faunal crusts		F			
<i>Flustra foliacea</i>	C	A			
<i>Nemertesia ramosa</i>	O				
<i>Nemertesia antennina</i>	O				
<i>Abietinaria abietina</i>		A			
<i>Hydallmania falcata</i>					
<i>Pagurus bernhardus</i>					
<i>Munida rugosa</i>					
<i>Macropodia rostrata</i>					
<i>Inachus</i> sp.					
<i>Hyas araneus</i>					
<i>Corystes cassivelaunus</i>					
Crab sp. A					
Crab sp. B					
<i>Cliona celata</i>					
<i>Tethya citrina</i>					
<i>Axinella infundibuliformis</i>					
Porifera indet (massive orange)					
<i>Asciidiella aspersa</i>					
<i>Ascidia virginea</i>	R				
<i>Ciona intestinalis</i>	R				
<i>Asciidiella scabra</i>					
<i>Polycarpa pomaria</i>	R				
<i>Alcyonidium diaphanum</i>					
<i>Henricia oculata</i>	R				
<i>Ophiocomina nigra</i>	C				
<i>Ophiothrix fragilis</i>	O				
<i>Ophiura ophiura</i>					
<i>Antedon petasus</i>					
<i>Anseropoda placenta</i>					
<i>Asterias rubens</i>	O				
<i>Crossaster papposus</i>					O
<i>Echinus esculentus</i>	R	O			
<i>Callionymus lyra</i>					
<i>Scyliorhinus canicula</i>					
<i>Aspitrigla cuculus</i>					
<i>Raja naevus</i>					
<i>Raja Montagu</i>					
Skate (unidentified)					
<i>Pholis gunnellus</i>					

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference Sample	2.29.5 DC.2-29.S5	2.29.6 DC.2-29.S6	2.29.7 DC.2-29.S7	2.29.8 DC.2-29.S8	2.29.9 DC.2-29.S9
<i>Alcyonium digitatum</i>					
<i>Urticia eques</i>	O		O		
<i>Metridium senile</i>					
<i>Sagartia troglodytes</i>					
<i>Sagartia elegans</i>					
<i>Pecten maximus</i>					
<i>Aequipecten opercularis</i>					
<i>Modiolus modiolus</i>					
<i>Buccinum undatum</i>				O	
<i>Calliostoma zizyphinum</i>			O		
<i>Sabella parvonina</i>		R			
<i>Pomatoceros triqueter</i>	O		O		
<i>Balanus crenatus?</i>					F
Faunal turf	A	C	C	A	A
Faunal crusts					F
<i>Flustra foliacea</i>	A	C	F	C	C
<i>Nemertesia ramosa</i>				R	
<i>Nemertesia antennina</i>					
<i>Abietinaria abietina</i>					F
<i>Hydallmania falcata</i>	C				
<i>Pagurus bernhardus</i>				R	
<i>Munida rugosa</i>			R		
<i>Macropodia rostrata</i>			O	O	
<i>Inachus</i> sp.				F	
<i>Hyas araneus</i>					
<i>Corystes cassivelaunus</i>				R	
Crab sp. A					
Crab sp. B					
<i>Cliona celata</i>					
<i>Tethya citrina</i>					
<i>Axinella infundibuliformis</i>					
Porifera indet (massive orange)					
<i>Asciidiella aspersa</i>					
<i>Ascidia virginea</i>		R		R	R
<i>Ciona intestinalis</i>			R		
<i>Asciidiella scabra</i>			O	F	
<i>Polycarpa pomaria</i>				R	
<i>Alcyonidium diaphanum</i>				R	
<i>Henricia oculata</i>			R		
<i>Ophiocomina nigra</i>				O	R
<i>Ophiothrix fragilis</i>					
<i>Ophiura ophiura</i>					
<i>Antedon petasus</i>					
<i>Anseropoda placenta</i>					
<i>Asterias rubens</i>	O	C	F	F	R
<i>Crossaster papposus</i>			O	O	R
<i>Echinus esculentus</i>			R	O	R
<i>Callionymus lyra</i>					
<i>Scyliorhinus canicula</i>					
<i>Aspitrigla cuculus</i>					
<i>Raja naevus</i>					
<i>Raja Montagu</i>					
Skate (unidentified)					
<i>Pholis gunnellus</i>					

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference Sample	2.29.5 DC.2-29.S5	2.29.6 DC.2-29.S6	2.29.7 DC.2-29.S7	2.29.8 DC.2-29.S8	2.29.9 DC.2-29.S9
<i>Alcyonium digitatum</i>					
<i>Urticia eques</i>	O		O		
<i>Metridium senile</i>					
<i>Sagartia troglodytes</i>					
<i>Sagartia elegans</i>					
<i>Pecten maximus</i>					
<i>Aequipecten opercularis</i>					
<i>Modiolus modiolus</i>					
<i>Buccinum undatum</i>				O	
<i>Calliostoma zizyphinum</i>			O		
<i>Sabella parvonina</i>		R			
<i>Pomatoceros triqueter</i>	O		O		
<i>Balanus crenatus?</i>					F
Faunal turf	A	C	C	A	A
Faunal crusts					F
<i>Flustra foliacea</i>	A	C	F	C	C
<i>Nemertesia ramosa</i>				R	
<i>Nemertesia antennina</i>					
<i>Abietinaria abietina</i>					F
<i>Hydallmania falcata</i>	C				
<i>Pagurus bernhardus</i>				R	
<i>Munida rugosa</i>			R		
<i>Macropodia rostrata</i>			O	O	
<i>Inachus</i> sp.				F	
<i>Hyas araneus</i>					
<i>Corystes cassivelaunus</i>				R	
Crab sp. A					
Crab sp. B					
<i>Cliona celata</i>					
<i>Tethya citrina</i>					
<i>Axinella infundibuliformis</i>					
Porifera indet (massive orange)					
<i>Asciidiella aspersa</i>					
<i>Ascidia virginea</i>		R		R	R
<i>Ciona intestinalis</i>			R		
<i>Asciidiella scabra</i>			O	F	
<i>Polycarpa pomaria</i>				R	
<i>Alcyonidium diaphanum</i>				R	
<i>Henricia oculata</i>			R		
<i>Ophiocomina nigra</i>				O	R
<i>Ophiothrix fragilis</i>					
<i>Ophiura ophiura</i>					
<i>Antedon petasus</i>					
<i>Anseropoda placenta</i>					
<i>Asterias rubens</i>	O	C	F	F	R
<i>Crossaster papposus</i>			O	O	R
<i>Echinus esculentus</i>			R	O	R
<i>Callionymus lyra</i>					
<i>Scyliorhinus canicula</i>					
<i>Aspitrigla cuculus</i>					
<i>Raja naevus</i>					
<i>Raja Montagu</i>					
Skate (unidentified)					
<i>Pholis gunnellus</i>					

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference Sample	3.01.1 TV.3-01.S1	3.02.1 TV.3-02.S1	3.03.1 TV.3-03.S1	3.03.2 TV.3-03.S2	3.03.3 TV.3-03.S3
<i>Alcyonium digitatum</i>	O	R	R	C	R
<i>Urticia eques</i>	R	R			
<i>Metridium senile</i>					
<i>Sagartia troglodytes</i>					
<i>Sagartia elegans</i>					
<i>Pecten maximus</i>	R				
<i>Aequipecten opercularis</i>	O	R	R		R
<i>Modiolus modiolus</i>					
<i>Buccinum undatum</i>	R		R		R
<i>Calliostoma zizyphinum</i>					
<i>Sabella parvonina</i>					
<i>Pomatoceros triqueter</i>			R	R	R
<i>Balanus crenatus?</i>					
Faunal turf	R	R	R	R	R
Faunal crusts					
<i>Flustra foliacea</i>					
<i>Nemertesia ramosa</i>					
<i>Nemertesia antennina</i>					
<i>Abietinaria abietina</i>					
<i>Hydallmania falcata</i>					
<i>Pagurus bernhardus</i>	R	R	R	R	R
<i>Munida rugosa</i>					
<i>Macropodia rostrata</i>					
<i>Inachus</i> sp.					
<i>Hyas araneus</i>					
<i>Corystes cassivelaunus</i>					
Crab sp. A					
Crab sp. B					
<i>Cliona celata</i>					
<i>Tethya citrina</i>					
<i>Axinella infundibuliformis</i>					
Porifera indet (massive orange)					
<i>Asciidiella aspersa</i>					
<i>Ascidia virginea</i>					
<i>Ciona intestinalis</i>					
<i>Asciidiella scabra</i>					
<i>Polycarpa pomaria</i>					
<i>Alcyonidium diaphanum</i>					
<i>Henricia oculata</i>					
<i>Ophiocomina nigra</i>					
<i>Ophiothrix fragilis</i>					
<i>Ophiura ophiura</i>					
<i>Antedon petasus</i>					
<i>Anseropoda placenta</i>					
<i>Asterias rubens</i>	O	R	O	O	O
<i>Crossaster papposus</i>	R	R	R		R
<i>Echinus esculentus</i>	R	R	O	O	O
<i>Callionymus lyra</i>					
<i>Scyliorhinus canicula</i>		R			
<i>Aspitrigla cuculus</i>					R
<i>Raja naevus</i>					
<i>Raja Montagu</i>					
Skate (unidentified)					
<i>Pholis gunnellus</i>					

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference Sample	3.04.1 TV.3-04.S1	3.04.2 TV.3-04.S2	3.04.3 TV.3-04.S3	3.04.4 TV.3-04.S4	3.04.5 TV.3-04.S5
<i>Alcyonium digitatum</i>		C	C		O
<i>Urticia eques</i>	R	F	O	O	
<i>Metridium senile</i>					
<i>Sagartia troglodytes</i>					
<i>Sagartia elegans</i>					
<i>Pecten maximus</i>					
<i>Aequipecten opercularis</i>					
<i>Modiolus modiolus</i>					
<i>Buccinum undatum</i>					
<i>Calliostoma zizyphinum</i>					
<i>Sabella parvonina</i>					
<i>Pomatoceros triqueter</i>		C	C	C	O
<i>Balanus crenatus?</i>					
Faunal turf		F	F	F	O
Faunal crusts					
<i>Flustra foliacea</i>					
<i>Nemertesia ramosa</i>					
<i>Nemertesia antennina</i>					
<i>Abietinaria abietina</i>					
<i>Hydallmania falcata</i>					
<i>Pagurus bernhardus</i>			R		R
<i>Munida rugosa</i>					
<i>Macropodia rostrata</i>					
<i>Inachus</i> sp.					
<i>Hyas araneus</i>					
<i>Corystes cassivelaunus</i>					
Crab sp. A					
Crab sp. B					
<i>Cliona celata</i>		A			
<i>Tethya citrina</i>					
<i>Axinella infundibuliformis</i>					
Porifera indet (massive orange)					
<i>Asciidiella aspersa</i>					
<i>Ascidia virginea</i>					
<i>Ciona intestinalis</i>					
<i>Asciidiella scabra</i>					
<i>Polycarpa pomaria</i>					
<i>Alcyonidium diaphanum</i>					
<i>Henricia oculata</i>					
<i>Ophiocomina nigra</i>					
<i>Ophiothrix fragilis</i>					
<i>Ophiura ophiura</i>					
<i>Antedon petasus</i>					
<i>Anseropoda placenta</i>					
<i>Asterias rubens</i>	R	R	R		
<i>Crossaster papposus</i>			R		
<i>Echinus esculentus</i>	R	F	F		
<i>Callionymus lyra</i>					
<i>Scyliorhinus canicula</i>					
<i>Aspitrigla cuculus</i>					
<i>Raja naevus</i>					
<i>Raja Montagu</i>					
Skate (unidentified)					
<i>Pholis gunnellus</i>					

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference Sample	3.04.6 TV.3-04.S6	3.04.7 TV.3-04.S7	3.05.1 TV.3-05.S1	3.06.1 TV.3-06.S1	4.08.1 TV.4-08.S1
<i>Alcyonium digitatum</i>	F	F	R	R	R
<i>Urticia eques</i>		O	R	R	R
<i>Metridium senile</i>					
<i>Sagartia troglodytes</i>					
<i>Sagartia elegans</i>					
<i>Pecten maximus</i>					
<i>Aequipecten opercularis</i>			R	R	R
<i>Modiolus modiolus</i>					
<i>Buccinum undatum</i>					
<i>Calliostoma zizyphinum</i>					
<i>Sabella parvonina</i>					
<i>Pomatoceros triqueter</i>	F	A	O	R	
<i>Balanus crenatus?</i>					
Faunal turf	C	C	R	R	C
Faunal crusts					
<i>Flustra foliacea</i>					
<i>Nemertesia ramosa</i>					
<i>Nemertesia antennina</i>					
<i>Abietinaria abietina</i>					
<i>Hydallmania falcata</i>					
<i>Pagurus bernhardus</i>			R	R	R
<i>Munida rugosa</i>					
<i>Macropodia rostrata</i>					
<i>Inachus</i> sp.					
<i>Hyas araneus</i>					
<i>Corystes cassivelaunus</i>					
Crab sp. A					
Crab sp. B					
<i>Cliona celata</i>					
<i>Tethya citrina</i>					
<i>Axinella infundibuliformis</i>					
Porifera indet (massive orange)					
<i>Asciidiella aspersa</i>					
<i>Ascidia virginea</i>					
<i>Ciona intestinalis</i>					
<i>Asciidiella scabra</i>					
<i>Polycarpa pomaria</i>					
<i>Alcyonidium diaphanum</i>					
<i>Henricia oculata</i>					
<i>Ophiocomina nigra</i>					
<i>Ophiothrix fragilis</i>					
<i>Ophiura ophiura</i>					
<i>Antedon petasus</i>					
<i>Anseropoda placenta</i>					R
<i>Asterias rubens</i>	O		R	R	O
<i>Crossaster papposus</i>	R			R	R
<i>Echinus esculentus</i>		O	O	R	R
<i>Callionymus lyra</i>			R		
<i>Scyliorhinus canicula</i>			R	R	
<i>Aspitrigla cuculus</i>				R	
<i>Raja naevus</i>					R
<i>Raja Montagu</i>					R
Skate (unidentified)					
<i>Pholis gunnellus</i>					

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference Sample	4.11.1 DC.4-11.S1	4.12.1 DC.4-12.S1	4.14.1 DC.4-14.S1	4.15.1 TV.4-15.S1	4.16.1 TV.4-16.S1
<i>Alcyonium digitatum</i>	C	C	C	O	R
<i>Urticia eques</i>	O	C		O	O
<i>Metridium senile</i>	R				
<i>Sagartia troglodytes</i>					
<i>Sagartia elegans</i>					
<i>Pecten maximus</i>					
<i>Aequipecten opercularis</i>					R
<i>Modiolus modiolus</i>					
<i>Buccinum undatum</i>	R			R	R
<i>Calliostoma zizyphinum</i>	F				
<i>Sabella parvonina</i>					R
<i>Pomatoceros triqueter</i>	C	C		R	
<i>Balanus crenatus?</i>					
Faunal turf	C	A	A	C	A
Faunal crusts	C	C	C	R	
<i>Flustra foliacea</i>	R	R		O	C
<i>Nemertesia ramosa</i>	O	O			
<i>Nemertesia antennina</i>	O	C	O	R	
<i>Abietinaria abietina</i>	F				
<i>Hydallmania falcata</i>					
<i>Pagurus bernhardus</i>	R	O		R	R
<i>Munida rugosa</i>		R			R
<i>Macropodia rostrata</i>	R			R	R
<i>Inachus</i> sp.		R			
<i>Hyas araneus</i>					
<i>Corystes cassivelaunus</i>					
Crab sp. A					
Crab sp. B					
<i>Cliona celata</i>					R
<i>Tethya citrina</i>					R
<i>Axinella infundibuliformis</i>	R	R			
Porifera indet (massive orange)					
<i>Asciidiella aspersa</i>					
<i>Ascidia virginea</i>					
<i>Ciona intestinalis</i>					
<i>Asciidiella scabra</i>					
<i>Polycarpa pomaria</i>					
<i>Alcyonidium diaphanum</i>				R	
<i>Henricia oculata</i>					
<i>Ophiocomina nigra</i>					
<i>Ophiothrix fragilis</i>					
<i>Ophiura ophiura</i>					
<i>Antedon petasus</i>					
<i>Anseropoda placenta</i>					R
<i>Asterias rubens</i>	R	R	F	O	F
<i>Crossaster papposus</i>					R
<i>Echinus esculentus</i>	O	O	F	O	O
<i>Callionymus lyra</i>					
<i>Scyliorhinus canicula</i>	R				
<i>Aspitrigla cuculus</i>					
<i>Raja naevus</i>					
<i>Raja Montagu</i>					
Skate (unidentified)					R
<i>Pholis gunnellus</i>					

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference Sample	4.19.1 DC.4-19.S1	4.20.1 DC.4-20.S1	4.20.2 DC.4-20.S2	4.20.3 DC.4-20.S3	4.20.4 DC.4-20.S4
<i>Alcyonium digitatum</i>	O		O	O	
<i>Urticia eques</i>	R		O	F	F
<i>Metridium senile</i>					
<i>Sagartia troglodytes</i>					
<i>Sagartia elegans</i>					
<i>Pecten maximus</i>					
<i>Aequipecten opercularis</i>					
<i>Modiolus modiolus</i>					
<i>Buccinum undatum</i>					
<i>Calliostoma zizyphinum</i>			R	O	O
<i>Sabella parvonina</i>	R				
<i>Pomatoceros triqueter</i>	R	C	F	C	F
<i>Balanus crenatus?</i>					
Faunal turf	R	F		A	C
Faunal crusts				F	O
<i>Flustra foliacea</i>	A	C	C	C	C
<i>Nemertesia ramosa</i>	F				F
<i>Nemertesia antennina</i>	R			O	F
<i>Abietinaria abietina</i>		C		F	F
<i>Hydallmania falcata</i>		C	F	F	F
<i>Pagurus bernhardus</i>	F		R		
<i>Munida rugosa</i>					
<i>Macropodia rostrata</i>				O	
<i>Inachus</i> sp.					
<i>Hyas araneus</i>		R		R	
<i>Corystes cassivelaunus</i>					
Crab sp. A					
Crab sp. B					
<i>Cliona celata</i>					
<i>Tethya citrina</i>					
<i>Axinella infundibuliformis</i>					
Porifera indet (massive orange)					
<i>Asciidiella aspersa</i>					
<i>Ascidia virginea</i>					
<i>Ciona intestinalis</i>					
<i>Asciidiella scabra</i>					
<i>Polycarpa pomaria</i>					
<i>Alcyonidium diaphanum</i>					
<i>Henricia oculata</i>					
<i>Ophiocomina nigra</i>					
<i>Ophiothrix fragilis</i>					
<i>Ophiura ophiura</i>					
<i>Antedon petasus</i>					
<i>Anseropoda placenta</i>					
<i>Asterias rubens</i>					R
<i>Crossaster papposus</i>					
<i>Echinus esculentus</i>			R	R	O
<i>Callionymus lyra</i>					
<i>Scyliorhinus canicula</i>					
<i>Aspitrigla cuculus</i>	R				
<i>Raja naevus</i>					
<i>Raja Montagu</i>					
Skate (unidentified)					
<i>Pholis gunnellus</i>					

Broad-scale biotope mapping of potential reefs in the Irish Sea (north-west of Anglesey)

Sample Reference Sample	4.21.1 DC.4-21.S1	4.22.1 DC.4-22.S1	4.22.2 DC.4-22.S2	4.23.1 DC.4-23.S1	4.23.2 DC.4-23.S2
<i>Alcyonium digitatum</i>	A		O	O	C
<i>Urticia eques</i>	O		O	O	R
<i>Metridium senile</i>					
<i>Sagartia troglodytes</i>	R				
<i>Sagartia elegans</i>	R				
<i>Pecten maximus</i>					
<i>Aequipecten opercularis</i>			F		
<i>Modiolus modiolus</i>					
<i>Buccinum undatum</i>	R		F	O	R
<i>Calliostoma zizyphinum</i>	O				
<i>Sabella parvonina</i>	R				
<i>Pomatoceros triqueter</i>			O	F	F
<i>Balanus crenatus?</i>			O		
Faunal turf	A	C	A	C	A
Faunal crusts	C			F	C
<i>Flustra foliacea</i>	O	R	R	A	C
<i>Nemertesia ramosa</i>	F	O	O		R
<i>Nemertesia antennina</i>	F			O	
<i>Abietinaria abietina</i>	C		C		O
<i>Hydallmania falcata</i>		F	F		
<i>Pagurus bernhardus</i>		R	O	R	O
<i>Munida rugosa</i>					
<i>Macropodia rostrata</i>	O		R		O
<i>Inachus</i> sp.	R		R		
<i>Hyas araneus</i>					
<i>Corystes cassivelaunus</i>					
Crab sp. A	R				
Crab sp. B	R				
<i>Cliona celata</i>					
<i>Tethya citrina</i>					
<i>Axinella infundibuliformis</i>					R
Porifera indet (massive orange)					
<i>Asciidiella aspersa</i>					
<i>Ascidia virginea</i>					
<i>Ciona intestinalis</i>					
<i>Asciidiella scabra</i>					
<i>Polycarpa pomaria</i>					
<i>Alcyonidium diaphanum</i>					
<i>Henricia oculata</i>					
<i>Ophiocomina nigra</i>					
<i>Ophiothrix fragilis</i>					
<i>Ophiura ophiura</i>					
<i>Antedon petasus</i>					
<i>Anseropoda placenta</i>					
<i>Asterias rubens</i>	F	R	R	R	R
<i>Crossaster papposus</i>					R
<i>Echinus esculentus</i>	F		R	R	O
<i>Callionymus lyra</i>					
<i>Scyliorhinus canicula</i>					
<i>Aspitrigla cuculus</i>		R			
<i>Raja naevus</i>					
<i>Raja Montagui</i>					
Skate (unidentified)					
<i>Pholis gunnellus</i>					