

## Seasearch West of Scotland

# Carna 2018 Report

### Appendix 1 - Biotopes



Below is a provisional list of biotopes identified from the Carna Survey Forms. In most cases the form number corresponds to the biotope identified. However in some cases multiple forms from the same site were used to generate one or more biotopes and in these cases there is a blank space in the biotopes column. Following on from the list of Biotopes are copies of the original survey forms with surveyor names redacted. Any queries about these forms can be addressed to the report compiler, Owen Paisley via e-mail (seasearch.west@btopenworld.com).

Form No	Date	Location	Biotopes
40	11/06/2018	Carna Jetty	IR.FIR.IFou-Infralittoral fouling seaweed communities
43	14/06/2018	Carna Jetty	IR.FIR.IFou-Infralittoral fouling seaweed communities
62	09/06/2018	Carna Jetty	
130	30/09/2018	Carna Jetty	SS.SMp.KSwSS-Kelp and seaweed communities on sublittoral sediment
140	03/10/2018	Carna Jetty	SS.SMp.KSwSS-Kelp and seaweed communities on sublittoral sediment
146	22/10/2018	Carna Jetty	SS.SMp.KSwSS-Kelp and seaweed communities on sublittoral sediment

Form No.	Date	Location	Biotopes
44	09/06/2018	Caol Charna	SS.SMp.KSwSS.LsacCho-Laminaria saccharina and Chorda filum on sheltered upper infralittoral muddy sediment SS.SMx.CMx.OphMx-Ophiothrix fragilis and/or Ophiocoma nigra brittlestar beds on sublittoral mixed sediment
49	14/06/2018	Caol Charna	SS.SMp.KSwSS.LsacCho-Laminaria saccharina and Chorda filum on sheltered upper infralittoral muddy sediment
60	11/06/2018	Caol Charna	SS.SMx.CMx.OphMx-Ophiothrix fragilis and/or Ophiocoma nigra brittlestar beds on sublittoral mixed sediment
63	09/06/2018	Caol Charna	SS.SMp-Sublittoral macrophyte-dominated communities on sediments
67	09/06/2018	Caol Charna	IR.MIR.KR.Lhyp.GzFt-Grazed Laminaria hyperborea forest with coralline crusts on upper infralittoral rock
72	09/06/2018	Caol Charna	SS.SMx.CMx.OphMx-Ophiothrix fragilis and/or Ophiocoma nigra brittlestar beds on sublittoral mixed sediment
129	30/09/2018	Caol Charna	IR.MIR.KT.XKTX-Mixed kelp and red seaweeds on infralittoral boulders, cobbles and gravel in tidal rapids

131	30/09/2018	Caol Charna	SS.SMx.CMx.OphMx-Ophiothrix fragilis and/or Ophiocoma nigra brittlestar beds on sublittoral mixed sediment SS.SBR.SMus-Sublittoral mussel beds (on sublittoral sediment)
149	26/10/2018	Caol Charna	IR.MIR.KR.Lhyp.GzFt-Grazed Laminaria hyperborea forest with coralline crusts on upper infralittoral rock SS.SMx.CMx.OphMx-Ophiothrix fragilis and/or Ophiocoma nigra brittlestar beds on sublittoral mixed sediment
150	26/10/2018	SE Carna	SS.SMp.KSwSS.Tra-Mats of Trailliella on infralittoral muddy gravel
			SS.SMp.KSwSS.Pcri-Loose-lying mats of Phyllophora crispa on infralittoral muddy sediment

Form No.	Date	Location	Biotopes
38	10/06/2018	North Carna	IR.MIR.KR.LhypVt-Laminaria hyperborea on moderately exposed vertical rock.
45	10/06/2018	North Bay	SS.SMx.CMx.CloMx.Nem-Cerianthus lloydii with Nemeritesia spp. and other hydroids in cirralittoral muddy mixed sediment
47	10/06/2018	North Carna	SS.SMx.IMx.Lim-Limaria hians beds in tide-swept sublittoral muddy mixed sediment
50	10/06/2018	North Bay	IR.MIR.KR.Lhyp.GzFt-Grazed Laminaria hyperborea forest with coralline crusts on upper infralittoral rock
51	10/06/2018	North Bay	
57	10/06/2018	North Bay	
58	10/06/2018	N Carna	
64	10/06/2018	North Bay	
68	10/06/2018	North Carna	
69	10/06/2018	North Bay	
73	10/06/2018	North Carna	SS.SMx.IMx.Lim-Limaria hians beds in tide-swept sublittoral muddy mixed sediment
74	10/06/2018	North Bay	
39	11/06/2018	North Carna	
46	11/06/2018	North Bay	
52	11/06/2018	North Bay	
59	11/06/2018	North Bay	
70	11/06/2018	North Bay	
76	11/06/2018	North Bay	
132	01/10/2018	North Bay	IR.MIR.KR-Kelp and red seaweeds (moderate energy infralittoral rock)
133	01/10/2018	North Bay	SS.SMx.IMx.Lim-Limaria hians beds in tide-swept sublittoral muddy mixed sediment
135	02/10/2018	North Bay	
139	01/10/2018	North Carna	

141	04/10/2018	North Carna	CR.FCR.Cv.SpCup-Sponges, cup corals and anthozoans on shaded or overhanging circalittoral rock  CR.MCR.EcCr.AdigVt-Alcyonium digitatum and faunal crust communities on vertical circalittoral bedrock  IR.MIR.KR.Lhyp.GzPk-Grazed Laminaria hyperborea park with coralline crusts on lower infralittoral rock  CR.MCR.EcCr-Echinoderms and crustose communities
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Form No	Date	Location	Biotopes
54	12/06/2018	Risga Island	
?	12/06/2018	Risga Island OP	SS.SMu.IFiMu.Are-Arenicola marina in infralittoral mud  SS.SMu.CFiMu.BlyrAchi-Brissopsis lyrifera and Amphiuira chiajei in circalittoral mud  CR.MCR.EcCr.CarSwi-Caryophyllia smithii and Swiftia pallida on circalittoral rock

Form No	Date	Location	Biotopes
42	13/06/2018	Loch Teacuis	Philine aperta and Virgularia mirabilis in soft stable infralittoral mud
48	13/06/2018	Loch Teacuis	SS.SMp.KSwSS.LsacCho-Laminaria saccharina and Chorda filum on sheltered upper infralittoral muddy sediment
56	13/06/2018	NE Teacuis	SS.SMu.CFiMu-Circalittoral fine mud
61	13/06/2018	L.Teacuis	
66	13/06/2018	North shore Teacuis	
71	13/06/2018	Teacuis	
137	02/10/2018	Moorings, Teacuis	SS.SBR.SMus-Sublittoral mussel beds (on sublittoral sediment)  SS.SMu.IFiMu-Infralittoral fine mud
145	22/10/2018	Outer L.Teacuis	SS.SMu.IFiMu.PhiVir-Philine aperta and Virgularia mirabilis in soft stable infralittoral mud  SS.SMu.CFiMu-Circalittoral fine mud  CR.LCR.BrAs.AmenCio.Ant-Solitary ascidians, including Ascidia mentula and Ciona intestinalis, with Antedon spp. on wave-sheltered circalittoral rock  SS.SMx.CMx-Circalittoral mixed sediment
148	25/10/2018	East shore outer Teacuis	SS.SMp.KSwSS.Tra-Mats of Trailliella on infralittoral muddy gravel  SS.SMp.KSwSS.Pcri-Loose-lying mats of Phyllophora crista on infralittoral muddy sediment  SS.SMu.CSaMu-Circalittoral sandy mud  SS.SCS.CCS-Circalittoral coarse sediment

Form No	Date	Location	Biotopes
41	12/06/2018	NW Carna	IR.MIR.KR.Lhyp.Ft-Laminaria hyperborea forest and foliose red seaweeds on moderately exposed upper infralittoral rock
55	12/06/2018	NW Carna	SS.SMu.ISaMu-Infralittoral sandy mud
65	12/06/2018	NW Carna	
75	12/06/2018	NW Carna	
134	02/10/2018	NW Bay	
136	03/10/2018	West Carna	IR.MIR.KR.Lhyp.GzFt-Grazed Laminaria hyperborea forest with coralline crusts on upper infralittoral rock CR.MCR.EcCr-Echinoderms and crustose communities SS.SMx.CMx-Circalittoral mixed sediment
138	02/10/2018	East Carna Bay	SS.SMu.CFiMu.SpnMeg.Fun-Seapens, including Funiculina quadrangularis, and burrowing megafauna in undisturbed circalittoral fine mud CR.LCR.BrAs-Brachiopod and ascidian communities
144	21/10/2018	South of Rubha Bheithe	SS.SMp.KSwSS.Tra-Mats of Trailliella on infralittoral muddy gravel SS.SMu.CSaMu.VirOphPmax.HAs-Virgularia mirabilis and Ophiura spp. with Pecten maximus, hydroids and ascidians on circalittoral sandy or shelly mud with stones CR.LCR.BrAs.AmenCio-Solitary ascidians, including Ascidiamentula and Ciona intestinalis, on wave-sheltered circalittoral rock SS.SMu.CFiMu.SpnMeg.Fun-Seapens, including Funiculina quadrangularis, and burrowing megafauna in undisturbed circalittoral fine mud
147	24/10/2018	N of Rubha Bheithe E Carna	SS.SMx.CMx.CIoMx.Nem-Cerianthus lloydii with Nemeritesia spp. and other hydroids in circalittoral muddy mixed sediment SS.SMu.CFiMu.SpnMeg.Fun-Seapens, including Funiculina quadrangularis, and burrowing megafauna in undisturbed circalittoral fine mud