

	Survey Name	Lead Person	When	Repeated	Vessel	Aim
A	Clyde Acoustic Pelagic Survey (CAPS)	Susan Lusseau (MSS)	Nov-12 2013 cancelled Nov-14	Annually	Alba	Principal target is Clyde herring, but have also looked at pelagic juvenile whiting and euphausiids
B	Clyde Industry / Science White Fish Survey (CISWFS)	Bill Turrell (MSS) Peter Gibson (MSS)	Feb-14	One off	1 x TR2 vessels	- To map the distribution of adult white fish in the Clyde in November, by age and species - To arrive at a survey based estimate of abundance, by species - To collect a small sub-set of representative stomach samples
C	West Coast Inshore Industry Science Surveys (WCISS)	Nick Bailey (MSS)	Sep-13 Nov-13 Mar-14 Jun-14 Sep-14 Nov-14	Quarterly for 1-2 years	1 x TR2 vessels who have undertaken fish sampling training (2 other vessels outside Clyde)	- To provide data on inshore fish populations
D	Arran Juvenile Demersal Fish Survey (AJDFS)	Sophie Elliott (Glasgow)	July – October 2013, 2014	Weekly	COAST RIB Actinia	Arrival times, distribution and behaviours of juvenile demersal fish.
E	West Coast Q4 Scottish Groundfish Survey (IBTS WCQ4)	Craig Davis (MSS) A N Other (MSS)	Nov-13 Nov-14	Annually	Scotia	Part of West Coast wide groundfish survey – 3 stations in Clyde
F	West Coast Q1 Scottish Groundfish Survey (IBTS WCQ1)	Finlay Burns (MSS)	Feb-13 Feb-14	Annually	Scotia	Part of West Coast wide groundfish survey – 3 stations in Clyde
H	Nephrops TV Survey	Adrian Weetman (MSS)	May / June 2013 Jun-14	Annually	Scotia	Surveys Clyde Nephrops grounds – part of wider survey ca. 40 randomly generated stations on mud in Clyde (2 to 3 days in area) Aims: 1) To obtain estimates of the abundance and distribution of <i>Nephrops</i> burrow complexes 2) To record the occurrence of other benthic fauna and commercial trawl activity.3) To collect sediment samples at each station 4) To carry out trawling for <i>Nephrops</i> , to obtain samples of <i>Nephrops</i> for size composition, reproductive condition and morphometric analyses.
I	Breeding black guillemots	Swann	Jul-05	Annually		TBC

Author	Organisation and Source/Publication	Title	Key words	Key Words	Key Words	Date
Chumley, J.	Glasgow University Press. 200pp.	The fauna of the Clyde Sea area, being an attempt to record the zoological results obtained by the late Sir John Murray and his assistants on board the S.Y. "Medusa" during the years 1884-1892.	Biodiversity	historical	survey	1918
Moore, B.H		The muds of the Clyde sea area. III. Chemical and Physical conditions; rate and nature of sedimentation; and Fauna	Substrate	mud	sediments	1931
Marshall, S.M., Nicholls, A.G. and Orr, A.P.	Journal of the Marine Biological Association, U.K. 22: 245-267. <http://sabella.mba.ac.uk/960/01/On_the_growth_and_feeding_of_the_larval_and_postlarval_stages_of_the_Clyde_herring.pdf>	Growth and feeding of the larval and post-larval stages of the Clyde herring.	Herring	growth	feeding	1937
Craig, R. E		Hydrography of Scottish Coastal Waters.	Tidal Dynamics	water quality	hydrography	1959
Parrish, B.B., Saville, A., Craig, R.E., Baxter, I.G. and Priestley, R.	Journal of the Marine Biological Association, U.K. 38: 445-453. <http://sabella.mba.ac.uk/2006/01/Observations_on_herring_spawning_and_larval_distribution_in_the_Firth_of_Clyde_in_1958.pdf>	Observations on herring spawning and larval distribution in the Firth of Clyde in 1958.	Herring	spawning	distribution	1959
Seed, R. and Brown, R.A.	In Proceedings of the 9th European Marine Biology Symposium. 1975, Aberdeen University Press. p. 257-274.	The influence of reproductive cycle, growth and mortality on population structure in <i>Modiolus modiolus</i> (L.), <i>Cerastoderma edule</i> (L.), and <i>Mytilus edulis</i> (L.) (<i>Mollusca-Bivalvia</i>).	molluscs	growth	mortality	1975
Caston, G.F.	NERC Institute of Geological Sciences Report No. 76/7.	The floor of the North Channel, Irish Sea: a side-scan sonar survey.	remote sensing	MPA	survey	1976
Dooley, H. D.		Factors influencing water movements in the Firth of Clyde.	Tidal Dynamics	movement	influences	1979
PCT (Paisley College of Technology).	Nature Conservancy Council, CSD Report No. 211.	A biological survey of seashores in the Clyde Sea Area 1978-1979.	Biodiversity	seashore	survey	1979
Jones, K.-J.; Ayres, P.; Bullock, A.-M.; Roberts, & J.; Tett, P.	Scottish Marine Biological Association, Dunstaffnage Marine Research, Laboratory, P.O.Box 3, Oban, Argyll, Scotland, PA34 4AD. Journal, Marine-Biological-Association. 1982. 62(4), pp 771-782	A red tide of <i>Gyrodinium aureolum</i> in sea lochs of the Firth of Clyde and associated mortality of pond-reared salmon.	Algal and diatom blooms	salmon	aquaculture	1982
Nash, R.-D.-M.; Gibson, R.-N.	Univ. Marine Biological Station, Millport, Isle of Cumbrae, Scotland KA28 OEG Estuarine,-Coastal-and-Shelf-Science. 1982. 15(5), pp 485-495,	Seasonal fluctuations and compositions of two populations of small demersal fishes on the west coast of Scotland.	Demersal fish	populations	seasonal	1982
Armer, J.-G	Dept. of Forensic Medicine & Sc., Univ. of Glasgow, Glasgow G12 8QQ, Scotland. Marine-Environmental-Research. 1983. 8(1), pp 1-28	Metal pollution in marine sediment cores from the west coast of Scotland	Sediments	metal contamination	pollution	1983
Browne, -M.-A.-E.; McMillan, -A.-A.	Scottish-Journal-of-Geology. 1984. 20(1), pp 119-120, 2 refs.	Shoreline inheritance and coastal history in the Firth of Clyde.	Social history	shoreline inheritance	coastal history	1984
Clark-G.; Topping, -G.	AFS Marine Laboratory, PO Box 101, Victoria Road, Aberdeen, AB9 813B UK; Journal, Marine-Biological-Association. 1989. 69(2), pp 437-445.	Mercury concentrations in fish from contaminated areas in Scottish waters.	Mercury	contamination	pollution	1984
Smith, S.M.	Nature Conservancy Council, CSD Report No. 506.	Marine mollusca of Arran and adjacent seas.	molluscs	Arran	survey	1984
Gamble, J.-C.; MacLachlan, -P.; Seaton, -D.-D.	Mar Lab, PO Box 101, Victoria Rd, Aberdeen, Scotland, Marine-Ecology,-Progress-Series. 1985. 26(1-2), pp 19-33.	Comparative growth and development of autumn and spring spawned Atlantic herring larvae reared in large enclosed ecosystems.	Herring	growth	seasonal	1985
Smith, T.B. and Keegan, B.F.	In: Keegan, B.F. and O'Connor, B.D.S. (eds). Echinodermata: Proc 5th International Echinoderm Conference, Galway, Ireland, 24-29 September 1984. AA Balkema, Rotterdam, p 459-464.	Seasonal torpor in <i>Neopentadactyla mixta</i> (Ostergren) Echinodermata. Holothuroidea.	sea cucumber	torpor	seasonal	1985
Univ Marine Biological Station, Millport, Isle of Cumbrae, KA28 OEG, UK.	Bedford, -A.-P.; Moore, -P.-G. Estuarine,-Coastal-and-Shelf-Science. 1985. 20(1), pp 1940.	Macrofaunal involvement in the sublittoral decay of kelp debris: the sea urchin <i>Psammechinus milliaris</i>	Seaweed	Kelp	Sea Urchin	1985
Dept of Agric & Fisheries for Scotland, Marine Lab, PO Box 101, Victoria Road, Aberdeen AB9 8DB	Science-of-the-Total-Environment. 1986. 57, pp 171-180	Composition of suspended particulate matter from Scottish coastal waters - geochemical implications for the transport of trace metal contaminants.	Sediments	suspended	pollution	1986
Hammerston (1986)	The Journal of the Operational Research Society, Vol. 37, pp911-921	Cleaning the Cycle - A Century of Progress?	Water Quality	recovery	pollution	1986
Pearson, T.H., Ansell, A.D. and Robb, L.	Proceedings of the Royal Society of Edinburgh 90B: 329-350.	The benthos of the deeper sediment of the Firth of Clyde, with particular reference to organic enrichment.	Water Quality	Fresh water	water	1986
Poodie, T		Fresh water inflows to the Firth of Clyde	Water Quality	Fresh water	water	1986
Pleda Ltd and The Scottish Marine Biological Association		Clyde Sea Angling Study	Demersal fish	Sea Angling	economic impact	1988
Alnatar, -S.-M.; Bailey, -R.-S.	Mariculture & Fish Dept, Kuwait Inst for Sci Res, PO Box 1638, Salmiya 22017, Kuwait - Journal-du-Conseil,-Conseil-International-pour-l'Exploration-de-la-Mer. 1989. 45(2), pp 113-124.	Variation in the fecundity and egg weight of herring (<i>Clupea harengus</i> L.). Part I Studies in the Firth of Clyde and northern North Sea	Herring	Fecundity	eggs	1989
Davies, M.	Nature Conservancy Council, CSD Report No. 984.	Marine Nature Conservation Review Surveys of Scottish Sealochs - Loch Fyne. Volume 1 Report.	Loch Fyne	MPA	survey	1989
Rankine, -P.-W.; Morrison, -J.-A.	DAFS Marine Laboratory, Victoria Road, Aberdeen, AB9 8DB, Journal-Marine-Biological-Association. 1989. 69(2), pp 493-498	Predation on herring larvae and eggs by sand-eels <i>Ammodytes marinus</i> (Rait) and <i>Hyperoplus lanceolatus</i> (Lesauvage).	Herring	predation	sand eels	1989
Anwar, N.A., Richardson, C.A. and Seed, R.	Journal of the Marine Biological Association of the United Kingdom 70(2): 441-457.	Age determination, growth rate and population structure of the horse mussel	horse mussel	MPA	population	1990
Carss, -D.-N	Institute of Terrestrial Ecology, Hill of Brathens, Banchory, Kincardineshire; aquaculture. 1990. 90(1), pp 2940.	Concentrations of wild and escaped fishes immediately adjacent to fish farm cages	Fish Farming	escapes	wild fish	1990
DAFS Marine Lab, PO Box 101, Victoria Rd, Aberdeen AB9 8DB, UK	Estuarine,-Coastal-and-Shelf-Science. 1990. 30(5), pp 475-487.	Distribution and composition of suspended particulate material in the Clyde Estuary and associated sea lochs.	Sediments	suspended	composition	1990
Davies, -P.-A.; Mofor, -L.-A.	Dept Civ Engrg, The Univ, Dundee DD 4HN, UKInternational-Journal-of-Remote-Sensing. 1990. 11(5), pp 767-782	Observations of flow separation by an isolated island.	Tidal Dynamics	island	flow	1990
Rankine, -P.-W.; Cargill, -L.-H.; Morrison, -J.-A.	DAPS Marine Lab., P.O.Box 101, Victoria Rd., Aberdeen AB9 8DB Journal du Conseil,-Conseil-International-pour-l'Exploration-de-la-Mer. 1990.	Variation in the hatching length of spring-spawned herring larvae (<i>Clupea harengus</i> L.) on Ballantrae Bank in the Firth of Clyde.	Herring	larvae	Ballantrae	1990
Des-Clers, -S.	Renewable Resources Assessment Group, Imperial college of Science, Technology and Medicine, 8 Princes' Gardens, London SW7 1NA; Proceedings, Royal-Society-of-London, -B. 1991. 245(13 13), pp 85-89.	Functional relationship between sealworm (<i>Pseudoterranova decipiens</i> , Nematoda, Ascaridoidea) burden and host size in Atlantic cod (<i>Gadus morhua</i>).	Atlantic Cod	Parasites	host	1991
Holt, R and Davies, M.	Nature Conservancy Council, CSD Report No. 1147.	Marine Nature Conservation Review: Sealochs in the northern Firth of Clyde. Volume 1 Report.	Sealochs	MPA	review	1991
Howson, C.M. and Davies, L.M.	Nature Conservancy Council, CSD Report No. 1189.	Marine Nature Conservation Review: A towed video survey of Loch Fyne. Volume 1 Report.	Loch Fyne	MPA	survey	1991
Lloyd, C., Tasker, M.L. and Partridge, K.	Poysler, London	The status of seabirds in Britain and Ireland	Seabirds	MPA	status	1991
Moore, -D.-C.; Rodger, -G.-K	SOAFD Marine Lab., Victoria Road, Aberdeen AB9 8DBMarine-Ecology-Progress-Series. 1991. 75(2-3), pp 301-308.	Recovery of a sewage sludge dumping ground	Sewage	recovery	pollution	1991
Moore, -D.-C.; Rodger, -G.-K	SOAFD Marine Lab., Victoria Road, Aberdeen, Scotland, UKICES-Journal-of-Marine-Science. 1991. 48(2), pp 237-245.	Mass mortality of herring eggs associated with a sedimenting diatom bloom.	Herring	mortality	sediments	1991
Powell, -R.; Moore, -P.-G.	Marine Biological Station, Millport, Isle of Cumbrae, KA28 OEG Journal-of-Natural-History. 1991. 25(2), pp 435-479.	The breeding cycles of females of seven species of amphipod (Crustacea) from the Clyde Sea area.	Crustacea	breeding cycles	Clyde Sea	1991
Elliott, -A.-J.; Perry, -O.-B.	Hydrographic-Journal. 1992. 66, pp 11-15.	Tidal currents in the Clyde Approaches	Tidal Dynamics	current	approaches	1992
Laybourn-Parry, -J.; Rogerson, -A.; Crawford, -D.-W	Institute of Environmental and Biological Sciences, University of Lancaster, UK LA 4YQ Estuarine,-Coastal-and-Shelf-Science. 1992. 35(5), pp 533-543.	Temporal patterns of protozooplankton abundance in the Clyde and Loch Striven.	Protozooplankton	abundance	Clyde and Loch Striven	1992
MacFadyen, C.J.	Geological Conservation Review, Volume 4: British Tertiary Volcanic Province. Chapter 6: Isle of Arran. Site: South coast of Arran (GCR ID: 1239). <http://ncc.defra.gov.uk/pdf/gcrdb/GCRsiteaccount1239.pdf>	The south coast of Arran site of special scientific interest. Earth science site documentation series (Tertiary Igneous Province, GCR 55/Sg.6).	Arran	MPA	geology	1992
Grantham, -B.; Tett, -P.	Dunstaffnage Marine Laboratory, P.O. Box 3, Oban, Argyll, PA34 4AD, Estuarine,-Coastal-and-Shelf-Science. 1993. 36(5), pp 449-462	The nutrient status of the Clyde Sea in winter.	Nutrients	winter	status	1993

Napier, I.-&	MAFF Fisheries Laboratory, Remembrance Avenue, Burnham-on-Crouch, Essex, CMO 8HA Journal, Marine-Biological-Association-of-the-United-Kingdom3. 1993.	The organic carbon content of gravel bed herring spawning grounds and the impact of herring spawn deposition.	Herring	larvae	sediments	1993
Ross, A.-H.; Gurney, W.-S.-C.; Heath, M.-R.	Dept of Statistics and Modelling Science, University of Strathclyde, Glasgow G1 1X HICES-Journal-of-Marine-Science. 1993. 50(4), pp 359-367.	Ecosystem models of Scottish sea lochs for assessing the impact of nutrient enrichment.	Nutrients	ecosystem	models	1993
Simpson, J.-H.; Rippeth, T.-P.	School of Ocean Sciences, University of Wales, Bangor, Menai Bridge, Gwynedd, Estuarine, Coastal and Shelf-Science. 1993. 37(2), pp 129-144.	The Clyde Sea: a model of the seasonal cycle of stratification and mixing.	Tidal Dynamics	stratification	modelling	1993
Evans, S.-M.; Hawkins, S.-T.; Porter, J.; Samosir, A.-M.	Dept. of Marine Sciences & Coastal Management, The Univ., Newcastle upon Tyne, NE1 7RU; Marine-Pollution-Bulletin. 1994. 28(1), pp 15-17	Recovery of dogwhelk populations on the Isle of Cumbrae, Scotland following legislation limiting the use of TBT as an antifoulant.	Dogwhelk	antifoul	pollution	1994
Bock et al., (1999)	Marine Pollution Bulletin, Vol. 38, pp222-231	Assessment of Eutrophication in the Firth of Clyde: Analysis of Coastal Water Data from 1982 to 1996	Water Quality	eutrophication	pollution	1996
Hiscock, K.	Peterborough: Joint Nature Conservation Committee. [Coasts and seas of the United Kingdom. MNCR series.].	Marine Nature Conservation Review: rationale and methods.	rationale	MPA	methods	1996
Birkett, D.A., Maggs, C.A. and Dring, M.J.	Scottish Association for Marine Science (UK Marine SACs Project). <http://www.ukmarinesac.org.uk/pdfs/maerl.pdf>	Maerl (volume V). An overview of dynamic and sensitivity characteristics for conservation management of marine SACs.	characteristics	MPA	management	1998
Field, R. H., Hills, J. M., Atkinson, R. J. A., Magill, S., & Shanks, A. M		Distribution and seasonal prevalence of Hematodinium sp. infection of the Norway lobster (<i>Nephrops norvegicus</i>) around the west coast of Scotland	nephrops	lobster	stock	1998
Hall-Spencer, J.	Journal of Conchology Special Publication 2: 271-286.	Conservation issues relating to maerl beds as habitats for molluscs.	Maerl	molluscs	habitat	1998
Hall-Spencer, J.M.	Impact of trawl fishing on benthic communities - Proceedings: 9-24, 19 November 1999.	Effects of towed demersal fishing gear on biogenic sediments: a 5-year-study.	trawling	effects	sediments	1999
Hall-Spencer, J.M. and Moore, P.G.	ICES Journal of Marine Science 57: 1407-1415.	Scallop dredging has profound, long-term impacts on maerl habitats.	Maerl	effects	dredging	2000
Mair, J.M., Moore, C.G., Kingston, P.F. and Harries, D.B.	Scottish Natural Heritage Commissioned Report No. F99PA08. <http://www.snh.org.uk/pdfs/publications/commissioned_reports/f99pa08.pdf>	A review of the status, ecology and conservation of horse mussel <i>Modiolus modiolus</i> in Scotland.	molluscs	modiolus	status	2000
Thorarindottir, G.G.	Journal of the Marine Biological Association of the United Kingdom 80: 661-666	Annual gametogenic cycle in the ocean quahog <i>Arctica islandica</i> from north-western Iceland.	Quahog	molluscs	cycle	2000
C. Bradshaw, L.O. Veale, A.S. Hill & A.R. Brand 2001	http://www.arrancoast.com/science/bradshaw_et_al_the_effect_of_scallop_dredging_on_irish_sea_benthos_2001.pdf	The effect of scallop dredging on Irish Sea benthos: experiments using a closed area	Scallop	trawling/dredging	Area Management	2001
Coggan, A.R., Smith, J.C., Atkinson, A.J.R., Papadopoulou, N.K., Stevenson, I.D.T., Moore, G.P. and Tuck, I.D		Comparison of rapid methodologies for quantifying environmental impacts of otter trawls.	Nephrops	Environmental impacts	otter trawls	2001
Hill, J.M.	Plymouth: Marine Biological Association of the United Kingdom. [cited 01/06/2013]. <http://www.marlin.ac.uk/habitatsbasicinfo.php?habitatid=8&code=2004>	Burrowing anemones in sublittoral muddy gravel. Marine Life Information Network: Biology and Sensitivity Key Information subprogramme [on-line].	Anemones	muddy gravel	habitat	2001
Hiscock et al., (2001)	Marine Biological Association	The Impact Of Climate Change On Subtidal and Intertidal Benthic Species In Scotland	Climate Change	benthic	impact	2001
Bergmann, M., Wiczeorek, S. K., Moore, P. G and Atkinson, R. J. A		Discard composition of the <i>Nephrops</i> fishery in the Clyde Sea area, Scotland	Nephrops	Discards	Trawling	2002
Hiscock, K.	Plymouth: Marine Biological Association of the United Kingdom. [cited 16/06/2013]. <http://www.marlin.ac.uk/habitatsensitivity.php?habitatid=274&code=2004>	Marine Life Information Network: Biology and Sensitivity Key Information Sub-programme [on-line]. <i>Styela gelatinosa</i> and other solitary ascidians on very sheltered deep circalittoral muddy sediment.	Ascidians	muddy	sediments	2002
Tyler-Walters, H.	Plymouth: Marine Biological Association of the United Kingdom. [cited 16/06/2013]. <http://www.marlin.ac.uk/habitatsbasicinfo.php?habitatid=325&code=2004>	Ocnus planci aggregations on sheltered sublittoral muddy sediment. Marine Life Information Network: Biology and Sensitivity Key Information Sub-programme [on-line].	sea cucumber	muddy	sediments	2002
Duncan, C.	Report by the Marine Conservation Society to Scottish Natural Heritage. <http://www.seasearch.co.uk/downloads/2003%20Seasearch%20Lamlash%20Bay.pdf>	Lamlash Bay Seasearch report.	No Take Zone	Lamlash	survey	2003
Hauton, C., Hall-Spencer, J.M. and Moore, P.G.	ICES Journal of Marine Science 60: 381-392. <http://icesjms.oxfordjournals.org/content/60/2/381.full.pdf.html>	An experimental study of the ecological impacts of hydraulic bivalve dredging on maerl.	Maerl	dredging	impact	2003
Kamenos, N.A., Moore P.G. and Hall-Spencer, J.M.	Journal of Marine Biological Association, U.K. 83: 411-413. <http://pearl.plymouth.ac.uk/pearl_xmlui/bitstream/handle/10026.1/1360/Kamenos%20Moore%20Hall-Spencer%202003.pdf?sequence=2>	Substratum heterogeneity of dredged vs. undredged maerl grounds.	Maerl	dredging	impact	2003
Moore (2003)	Fisheries Research, Vol. 63, pp51-61	Seals and fisheries in the Clyde Sea area (Scotland): traditional knowledge informs science	Fishing	Seals	interactions	2003
Witbaard, R. and Bergman, M.J.N.	Journal of Sea Research 50(1): 11-25.	The distribution and population structure of the bivalve <i>Arctica islandica</i> L. in the North Sea: what possible factors are involved?	bivalve	distribution	factors	2003
Connor, D.W., Allen, J.H., Golding, N., Howell, K.L., Lieberknecht, L.M., Northen, K.O. and Reker, J.B.	JNCC, Peterborough. ISBN 1 86107561 8. <http://www.jncc.gov.uk/MarineHabitatClassification>	The marine habitat classification for Britain and Ireland, Version 04.05.	classification	MPA	habitat	2004
Hill, J.M. and Wilson, E.	Plymouth: Marine Biological Association of the United Kingdom. [cited 16/06/2013]. <http://www.marlin.ac.uk/habitatsensitivity.php?habitatid=66&code=2004>	Virgularia mirabilis and Ophiura spp. on circalittoral sandy or shelly mud. Marine Life Information Network: Biology and Sensitivity Key Information Sub-programme [on-line].	Sea pens	MPA	habitat	2004
Kamenos, N.A., Moore, P.G. and Hall-Spencer, J.M.	Marine Ecology Progress Series 274: 183-189. <http://pearl.plymouth.ac.uk/handle/10026.1/1353>	Nursery-area function of maerl grounds for juvenile queen scallops <i>Aequipecten opercularis</i> and other invertebrates.	maerl	MPA	scallops	2004
Mitchell, P.J., Newton, S.F., Ratcliffe, N. and Dunn, T.E. (eds).	T and A.D. Poyser, London, pp 511. ISBN 0 7136 6901 2. <http://jncc.defra.gov.uk/page-1548>	Seabird Populations of Britain and Ireland: results of the Seabird 2000 census (1998-2002).	Seabirds	MPA	population	2004
Tom Howden, 2004	http://www.arrancoast.com/science/arran_marine_regeneration_trial_april_04.pdf	The Arran Marine Regeneration Trial: the mechanisms and evidence of fisheries benefits to Marine Protected Areas.	No Take Zone	Lamlash	Area Management	2004
Seasearch.	http://www.seasearch.co.uk/downloads/loch%20shira%20summary.pdf	Pachycerianthus survey - Loch Shira, Sept / Oct 2005. Summary report.	No Take Zone	anemone	survey	2005
Webster et al., (2005)	Journal of Environmental Monitoring, Vol. 7, pp1378-1387	Organic contaminants in the Firth of Clyde following the cessation of sewage sludge dumping	Water Quality	dumping	sewage	2005
Jackson, A.	Plymouth: Marine Biological Association of the United Kingdom. [cited 18/06/2013]. <http://www.marlin.ac.uk/habitatsensitivity.php?habitatid=64&code=2004>	Phymatolithon calcareum maerl beds with hydroids and echinoderms in deeper infralittoral clean gravel or coarse sand. Marine Life Information Network: Biology and Sensitivity Key Information Sub-programme [on-line].	Maerl	infralittoral	habitat	2006
Seasearch.	http://www.seasearch.co.uk/downloads/Loch%20Shira%20econd%20survey.pdf	Loch Shira second survey, April 2006. Summary report.	Loch Shira	MPA	survey	2006
Beever, N., Gornik, S., Neil, D., Coombs, G and Atkinson, J		<i>Hematodinium</i> sp. In the Norway lobster <i>Nephrops norvegicus</i> : studies on the viability of commercial samples to map distribution of the parasite in UK waters	Lobster	Mortality	Monitoring	2007
Harries et al., (2007)	Aquatic Invasions, vol. 2, pp 367-377	The establishment of the invasive alga <i>Sargassum muticum</i> on the west coast of Scotland: Rapid northwards spread and identification of potential new areas for colonisation.	Invasive Species	sargassum muticum	wire weed	2007
Kennington, K. and Johns, D	Scottish Sea Angling Conservation Network	The plankton ecology of SEA7.	Water Quality	plankton	Dissolved Inorganic Nitrogen	2007
SEPA (2007)	http://www.sepa.org.uk/water/river_basin_planning/area_advisory_groups/ Clyde/condition_and_objectives.aspx#Objectives	The Collapsing Clyde	recreational fishing	collapse	Clyde	2007
CEFAS. Mackinson, S and Daskalov, G		The water environment and achieving the environmental improvements, Clyde Advisory Group	Water Quality	SEPA	management	2007
Durkin, O.C.	Plymouth: Marine Biological Association of the United Kingdom. [cited 29/08/2012]. <http://www.marlin.ac.uk/habitat/ecology.php?habitatid=388&code=1997>	An ecosystem model of the North Sea to support an ecosystem approach to fisheries management: description and parameterisation	North Sea	Ecosystem	management	2008
		Moerella spp. with venerid bivalves in infralittoral gravelly sand. Marine Life Information Network: Biology and Sensitivity Key Information Sub-programme [on-line].	bivalve	MPA	habitat	2008

Hill, J.M.	Marine Life Information Network: Biology and Sensitivity Key Information Sub-programme [on-line].	Seapens and burrowing megafauna in circalittoral soft mud.	seapen	MPA	habitat	2008
Hiscock, K.	Plymouth: Marine Biological Association of the United Kingdom. [cited 29/08/2012]. <http://www.marlin.ac.uk/habitatpreferences.php?habitatid=58&code=1997>	Marine Life Information Network: Biology and Sensitivity Key Information Sub-programme [on-line]. Saccharina latissima, Chorda filum and filamentous red seaweeds on sheltered infralittoral sediment.	seaweeds	MPA	habitat	2008
Mojtahid et al., (2008)	Marine Pollution Bulletin , Vol. 56, pp42-76	Comparison of benthic foraminiferal and macrofaunal responses to organic pollution in the Firth of Clyde (Scotland)	Biodiversity	benthic	pollution	2008
Axelsson, M., Dewey, S, Plastow, L. and Doran, J.	Scottish Natural Heritage Commissioned Report No. 346. <http://www.snh.org.uk/pdfs/publications/commissioned_reports/346.pdf>	Mapping of marine habitats and species within the Community Marine Conservation Area at Lamlash Bay.	Lamlash	MPA	survey	2009
Brooks, A.J., Roberts, H., Kenyon, N.H. and Houghton, A.J.	Report No 8: Task 2A. Mapping of Geological and Geomorphological Features. ABP Marine Environmental Research Ltd. <http://randd.defra.gov.uk/Document.aspx?Document=mb0102_8589_TRP.pdf>	Accessing and developing the required biophysical datasets and datalayers for Marine Protected Areas network planning and wider marine spatial planning purposes.	spatial planning	MPA	datasets	2009
David Hughes & Thom Nickell October 2 2009	Scottish Association for Marine Science Internal Report No. 262. http://www.arrancoast.com/science/recover_sct_marine_environ_oct2009.pdf	Recovering Scotland's Marine Environment	Biodiversity	Environmental impacts	recovery	2009
Radford, A., Riddington, G and Gibson, H	http://www.scotland.gov.uk/Resource/Doc/280648/0084568.pdf	Economic Impact of Recreational Sea Angling in Scotland. Marine Scotland	recreational fishing	sea angling	economics	2009
Scottish Government (2009)		Economic Impact of Recreational Sea Angling in Scotland	recreational fishing	recreational	economic impact	2009
Axelsson, M., Dewey, S., Doran, J. and Plastow, L.	Scottish Natural Heritage Commissioned Report No. 400. <http://www.snh.org.uk/pdfs/publications/commissioned_reports/400.pdf>	Mapping of marine habitats and species of Lamlash Bay, Arran.	Lamlash	MPA	survey	2010
CEMARE Cunningham, J., Neil A., Bjorndal, T., Gordon, A., Bezabih, M., Hatcher, A., McClurg, T and Goodlad, J		The Potential Benefits of a Wealth- based Approach to Fisheries Management: An Assessment of the Potential Resource Rent from UK Fisheries	Nephrops	potential resource	management	2010
Hill, J., Pearce, B., Georgiou, L., Pinnion, J. and Gallyot, J.	Natural England Report 043. <http://publications.naturalengland.org.uk/file/76012> http://www.arrancoast.com/website/pdf/howarth_lm_ntr_early_evidence.pdf	Meeting the MPA network principle of viability: feature specific recommendations for species and habitats of conservation importance. Is there early evidence of the Lamlash Bay No Take Zone providing scallop fishery benefits?	species	MPA	habitat	2010
Howarth, L.M. September 2010		Climate Change and the Ozone Layer; Coastal sea temperature differences at Millport, Peterhead and Fair Isle: 1953-2009	No Take Zone	Scallop	recovery	2010
Marine Scotland Dataset	Marine Scotland Dataset	Climate Change and the Ozone Layer; Coastal sea temperature differences at Millport, Peterhead and Fair Isle: 1953-2009	sea temperature	Millport	climate change	2010
Miller, P.I., Christodoulou, S. and Saux-Picart, S.	Report to the Department of Environment, Food and Rural Affairs. Defra Contract No. MB102. Plymouth Marine Laboratory, subcontracted by ABPmer, Task 2f, pp. 24. www.randd.defra.gov.uk/Document.aspx?Document=MB0102_9104_TRP.pdf	Oceanic thermal fronts from Earth observation data - a potential surrogate for pelagic diversity.	Thermal fronts	MPA	diversity	2010
Moore, C.G. and James, B.D.	Scottish Natural Heritage Commissioned Report No. 381. <http://www.snh.org.uk/pdfs/publications/commissioned_reports/381.pdf>	Scoping immediate priorities for MPA-related benthic marine biological survey work in Scottish territorial waters.	benthic	MPA	survey	2010
OSPAR Commission	OSPAR Commission. Biodiversity series. Publication Number: 491/2010. <http://qs2010.ospar.org/media/assessments/Species/P004_91_maerl.pdf>	Background document for maerl beds.	Maerl	biodiversity	background	2010
Picton, B.E. and Morrow, C.C.	http://www.habitas.org.uk/marinelifelife/species.asp?item=285039	Neopentadactyla mixta. [In] Encyclopedia of Marine Life of Britain and Ireland.	habitats	MPA	encyclopedia	2010
Ridgway, I.D. and Richardson, C.A.	Reviews in Fish Biology and Fisheries 21: 297-310. <http://link.springer.com/article/10.1007%2Fs11160-010-9171-9#page-1>	Arctic Islandica: the longest lived non colonial animal known to science.	Arctic Islandica	life span	diversity	2010
Ruth H. Thurstan, Callum M. Roberts	Environment Department, University of York, York, 2010. http://www.arrancoast.com/website/pdf/ecological_meltdown_in_the_clyde.pdf	Ecological Meltdown in the Firth of Clyde, Scotland: Two Centuries of Change in a Coastal Marine Ecosystem	Ecosystem	collapse	200 years	2010
Tillin, H.M., Hull, S.C. and Tyler-Walters, H.	Report to the Department of Environment, Food and Rural Affairs from ABPmer, Southampton and the Marine Life Information Network (MarLIN) Plymouth: Marine Biological Association of the UK. Defra Contract No. MB0102 Task 3A, Report No. 22.	Development of a sensitivity matrix (pressures-MCZ/MPA features).	sensitivity	MPA	matrix	2010
Bailey, N., Bailey, M.D., Bellini, C.L., Fernandes, G.P., Fox, C., Heymans, S., Holmes, S., Howe, J., Hughes, S., Magill, S., McIntyre, F., McKee, D., Ryan, R.M., Smith, P.I., Tyldsely, G., Watret, R and R.W Turrell	Marine Scotland Science	The West of Scotland Marine Ecosystem: A Review of Scientific knowledge	Review	Clyde	ecosystem	2011
Beveridge et al., (2011)	SAMS	Initial response to the invasive carpet sea squirt, <i>Didemnum vexillum</i> , in Scotland, Scottish Natural Heritage Commissioned Report No. 413	Invasive Species	D vex	carpet sea squirt	2011
Colin Cowley	http://www.arrancoast.com/research/arran-marine-science/54-the-marine-species-of-lamlash-bay-in-the-19th-century	The marine species of Lamlash Bay in the 19th Century	Biodiversity	Lamlash		2011
Heath, M. R and Spiers, D. C		Changes in species diversity and size composition in the Clydedemersal fish community (1927 -2009).	Norway lobster fishery	by-catch	trawling	2011
Howarth, L. M., Wood, H. L., Turner, A. P and Beukers-Stewart, B. D		Complex habitat boosts scallop recruitment in a fully protected marine reserve.	Scallop	marine reserve	recruitment	2011
Leigh M. Howarth, Howard L. Wood, Alexander P. Turner, Bryce D. Beukers-Stewart	http://www.arrancoast.com/website/pdf/Howarth_etal_%282011%29_Complex_habitat_boosts_scallop_recruitment.pdf	Complex habitat boosts scallop recruitment in a fully protected marine reserve 1 April 2011	Scallop	recruitment	Area Management	2011
Marine Scotland	http://www.scotland.gov.uk/Resource/Doc/295194/0114024.pdf	Marine Protected Areas in Scotland's Seas. Guidelines on the selection of MPAs and development of the MPA network.				2011
Murray, F and Cowie, R.P		Plastic contamination in the decapod crustacean <i>Nephrops norvegicus</i> (Linnaeus, 1758)	Nephrops	pollution	Plastic	2011
Rachel Bower	Marine Environmental Management, University of York, 2011. http://www.arrancoast.com/website/pdf/Awareness_of_and_attitudes_towards_the_Lamlash_Bay_no_take_zone_Jan19_2011_Rachel_Bower_MSC.pdf http://www.seasearch.co.uk/downloads/Fireworks2009-2011.pdf	Social factors in a fully protected marine reserve: Awareness of and attitudes towards the Lamlash Bay no-take zone, Isle of Arran	No Take Zone	Lamlash	Social response	2011
Seasearch.		Fireworks anemone distribution in West Scotland 2009 - 2011	Fireworks anemone	west coast	survey	2011
Beavers, D.N., Kilbride, E., Atkinson, A.JR and Neil, M.D		Hematodinium infection seasonality in the Firth of Clyde (Scotland) <i>Nephrops norvegicus</i> population: a re-evaluation	Lobster	Mortality	Monitoring	2012
Binnie, A., Beecher, P. and Gordon, D.	Community of Arran Seabed Trust (COAST), Lamlash, Isle of Arran, Scotland.	GIS mapping of <i>Zostera</i> seagrass beds within the South Arran proposed Marine Protected Area.	zoserta	MPA	survey	2012
Boulcott, P., McLay, A.H and Clarke, S	The Scottish Government	Scallop Abundance in the Lamlash Bay No Take Zone: A Baseline Study	No Take Zone	Scallop	management	2012
Dobby, H., Millar, S., Blackadder, L., Turriff, J and McLay, A		Scottish scallop stocks: results of 2011 stock assessments.	Scallop	Stock assessment	scotland	2012
F McIntyre, P G Fernandes and W R Turrell	Scottish Marine and Freshwater Science Report Volume 3 Number 3	Clyde Ecosystem Review	Ecosystem	Review	Clyde	2012
Howarth (2012)	COAST www.arrancoast.com	Exploring the fishery and ecological effects of Lamlash Bay No-Take Zone	No Take Zone	Lamlash	ecosystem	2012
Lowri E. Evans	http://www.arrancoast.com/pdf/2012/L_Evans_Ecological_Study_Lamlash_Bay_2012.pdf	Ecological Study of Lamlash Bay	Biodiversity	Lamlash	survey	2012
Moore, C.G. and Atkinson, R.J.A.	Scottish Natural Heritage Commissioned Report No. 536. <http://www.snh.org.uk/pdfs/publications/commissioned_reports/536.pdf>	Biological analyses of underwater video from research cruises in the Clyde Sea, Loch Torridon and the Inner Sound, the North Minch, Loch Eriboll and off Orkney.	Video	MPA	survey	2012
Ryan, M. R and Bailey, D. M.	Commissioned report by SIFT	Trawling and Dredging in the Clyde Sea Area: History, Impacts and Prospects for Recovery.	trawling	dredging	summary paper	2012

Sea Watch Foundation (2007)	http://seawatchfoundation.org.uk/wp-content/uploads/2012/07/WesternScotland.pdf	Cetaceans Of Western Scotland	Cetaceans	west coast	scotland	2012
SNH	< http://www.scotland.gov.uk/Resource/0038/00389462.doc >	Marine Protected Areas and black guillemot (Cepphus grylle). Position paper for 4th MPA Workshop, Heriot-Watt University, 14-15 March 2012.	guillemot	MPA	position paper	2012
SNH and JNCC	Scottish Natural Heritage Commissioned Report No. 547. < http://www.snh.org.uk/pdfs/publications/commissioned_reports/547.pdf >	Advice to the Scottish Government on the selection of Nature Conservation Marine Protected Areas (MPAs) for the development of the Scottish MPA network.	selection	MPA	advice	2012
Soi Limited	SIFT	A review of Static Gear Reserves in relation to proposals in the Firth of Clyde	Demersal fish	Static Gear	management	2012
Tim Cross	Marine Environmental Management, University of York 2012 http://www.arrancoast.com/pdf_2012/Cross_2012_Photoquadrat_dissertation_Lamlash_NTZ_15_10_12.pdf	A photoquadrat survey of the benthic community inside and outside the Lamlash Bay NTZ: are there signs of recovery?	Biodiversity	Lamlash	recovery	2012
	Tyler-Walters, H., James, B., Wilding, C., Durkin, O., Lacey, C., Philpott, E., Adams, L., Chaniotis, P.D., Wilkes, P.T.V., Seeley, R., Neilly, M., Dargie, J. and Crawford-Avis, O.T.	Report produced by MarLIN, Scottish Natural Heritage and the Joint Nature Conservation Committee, for the Scottish Marine Protected Areas Project				
		Descriptions of Marine Protected Area (MPA) search features.	descriptions	MPA	search features	2012
Allen, J.H.	Scottish Natural Heritage Commissioned Report No. 539. < http://www.snh.org.uk/pdfs/publications/commissioned_reports/539.pdf >	Infauanal analysis of grab samples collected from the Clyde Sea, in March 2012.	infaunal	MPA	grab samples	2013
Brooks, A.J.	Scottish Natural Heritage Commissioned Report No. 590. < http://www.snh.org.uk/pdfs/publications/commissioned_reports/590.pdf >	Assessing the sensitivity of geodiversity features in Scotland's seas to pressures associated with human activities.	geodiversity	MPA	sensitivity	2013
Brooks, A.J., Kenyon, N.H., Leslie, A., Long, D. and Gordon, J.E.	Scottish Natural Heritage Commissioned Report No. 432. < http://www.snh.org.uk/pdfs/publications/commissioned_reports/432.pdf >	Characterising Scotland's marine environment to define search locations for new Marine Protected Areas. Part 2: The identification of key geodiversity areas in Scottish waters.	geodiversity	MPA	characterising	2013
Cappell, R., Robinson, M., Gascoigne, J and Nimmo, F	Marine Scotland Science	A review of the Scottish scallop. Poseidon report to Marine Scotland.	King scallops	stocks	management	2013
COAST (2013)	www.marinet.org.uk/wp-content/uploads/Lamlash-Bay-NoTakeZone-research-results-Sept-2013.pdf	Summary of Research within Lamlash Bay No-Take Zone	No Take Zone	Lamlash	summary paper	2013
Dodd and Adams (2013)	<i>The Glasgow Naturalist</i> , Vol. 26	Clyde re-built: when will river invertebrate communities return to a pre-industrial condition?	Invertebrates	recovery	pollution	2013
Galleo, A., Gibb, F.M., Tulett, D. and Wright, P.J.	Scottish Marine and Freshwater Science 4(2). < http://www.scotland.gov.uk/Resource/0042/00427638.pdf >	Connectivity of benthic priority marine species within the Scottish MPA network.	benthic	MPA	priority marine species	2013
Gordon, J.E., Brooks, A.J., Rennie, A.G., James, B.D., Chaniotis, P.D., Kenyon, N.H., Leslie, A.B. and Long, D.	Natural Heritage Commissioned Report No. 633. < http://www.snh.org.uk/pdfs/publications/commissioned_reports/633.pdf >	The selection of Nature Conservation Marine Protected Areas (MPAs) in Scotland - assessment of geodiversity interests.	geodiversity	MPA	selection	2013
Moore, C.G., Harries, D.B., Cook, R.L., Hirst, N.E., Saunders, G.R., Kent, F.E.A., Trigg, C. and Lyndon, A.R.	Scottish Natural Heritage Commissioned Report No. 566. < http://www.snh.org.uk/pdfs/publications/commissioned_reports/566.pdf >	The distribution and condition of selected MPA search features within Lochs Aish, Duich, Creran and Fyne.	Search Features	MPA	distribution and condition	2013
Napier, R.I		Trends in Scottish Fish Stocks: Marine Planning, Policy and Advice Section- Fisheries Data Analysis	stocks	biomass	Landings	2013
Nautricity (2013)	http://www.nautricity.com/docs/014_036_argylltidal_environmentalappraisal_dec13_lores3_1392661149.pdf	Environmental Appraisal for the Argyll Tidal Demonstrator Project	Tidal Dynamics	renewable energy	demonstration	2013
Rader, D. W and Takade-Heumacher, H		Sportfishing in the Northwest Atlantic: Lessons for the Clyde Sea	recreational fishing	economics	North West Atlantic	2013
SSE (2013)	http://www.sse.com/KintyreHunterston/ProjectInformation/	Kintyre-Hunterston Project	Climate Change	renewable energy	demonstration	2013
Swann, R	Scottish Natural Heritage Commissioned Report No. 612. < http://www.snh.org.uk/pdfs/publications/commissioned_reports/612.pdf >	Marine Protected Area and Marine Renewable - related black guillemot surveys.	guillemot	renewable energy	MPA	2013
University of York July 2013	http://www.arrancoast.com/pdf2013/Summary_of_York_University_research_within_Lamlash_Bay_No_Take_Zone_2013.pdf	Summary of Research within Lamlash Bay No-Take Zone	No Take Zone	Lamlash	summary paper	2013
Chaniotis, P.D., Cunningham, S., Gillham, K. and Epstein, G.	Final report produced by the Joint Nature Conservation Committee, Scottish Natural Heritage and Marine Scotland for the Scottish Marine Protected Areas Project. < http://www.snh.gov.uk/docs/A1204252.pdf >	Assessing risk to Scottish MPA search features at the MPA regional scale.	Risk	MPA	assessment	2014
Envision Mapping Ltd.	Scottish Natural Heritage Commissioned Report No. 600. < http://www.snh.org.uk/pdfs/publications/commissioned_reports/600.pdf >	Predictive Mapping of MPA protected features within selected possible Nature Conservation MPAs in Scottish territorial waters using available datasets.	predictive	MPA	mapping	2014
Howarth & Stewart	SIFT	The Dredge Fishery for Scallops in the United Kingdom (UK): Effects on Marine Ecosystems and Proposals for Future Management.	Fishing	trawling/dredging	Area Management	2014
Martinez, L.M., Feldmann J and Russell, M		Assessing the composition of micro-plastics in the Firth of Clyde	pollution	Microplastics	stock	2014
Miller, P.I., Xu, W. and Lonsdale, P.	Scottish Natural Heritage Commissioned Report No. 538. < http://www.snh.org.uk/pdfs/publications/commissioned_reports/538.pdf >	Seasonal shelf-sea front mapping using satellite ocean colour to support development of the Scottish MPA network.	Tidal Dynamics	MPA	mapping	2014
Radford, A., Riddington, G and Gibson, H		Management of the Scottish Inshore Fisheries; Assessing the options for change.	Inshore Fishing	options	management	2014
SNH	SNH Commissioned Report 780	Further advice to Scottish Government on the selection of Nature Conservation Marine Protected Areas for the development of the Scottish MPA network	selection	MPA	advice	2014
SNH	SNH Commissioned Report 620	Validation of seabed habitat MPA search feature records relating to the South Arran Nature Conservation MPA	S Arran	MPA	habitat	2014
SNH	SNH Commissioned Report 491	Development of detailed ecological guidance to support the application of the Scottish MPA selection guidelines in Scotland's seas	ecological	MPA	guidance	2014
SNH	SNH Commissioned Report 594	Statistical approaches to aid the identification of Marine Protected Areas for minke whale, Risso's dolphin, white-beaked dolphin and basking shark	Cetaceans	MPA	statistical approaches	2014
SNH	SNH Commissioned Report 573	Review of available statistical approaches to help identify Marine Protected Areas for cetaceans and basking shark	Cetaceans	MPA	statistical approaches	2014
SNH	SNH Commissioned Report 530	Can habitat modelling for the octopus Eledone cirrhosa help identify key areas for Risso's dolphin in Scottish waters?	Cetaceans	MPA	modelling	2014
SNH	SNH Commissioned Report 619	Lamlash Bay, Arran, 2010 survey report	Lamlash	MPA	survey	2014
SNH	SNH Commissioned Report 745	Infauanal and PSA analyses of grab samples collected from the Clyde Sea, in March and July 2013	infaunal	MPA	survey	2014
SSE (2014)	http://www.sse.com/Hunterston/ProjectInformation/	Hunterston offshore wind turbine test facility	Wind energy	renewable energy	test facility	2014
FAO		<i>Nephrops</i> in the Firth of Clyde	nephrops	fishing	Clyde	2015
Howarth, L. M., Roberts, C. M., Hawkins, J. P., Steadman, D. J and Beukers-Stewart, B. D		Effects of ecosystem protection on scallop populations within a community-led temperate marine reserve.	No Take Zone	towed fishing gears	ecosystem	2015
Hunter, A., Speirs, C.D and Heath, R.M	Marine Population Modelling Group, Department of Mathematics and Statistics, University of Strathclyde, 26 Richmond Street, Glasgow, G1 1XH, UK	Fishery-induced changes to age and length dependent maturation schedules of three demersal fish species in the Firth of Clyde	Demersal fish	maturation	probabilistic maturation reaction norms	2015
Leigh M. Howarth · Callum M. Roberts · Julie P. Hawkins · Daniel J. Steadman · Bryce D. Beukers-Stewart	http://www.arrancoast.com/images/Research/Howarth_et_al_Ecosystem_protection_benefit_scallops_in_a_community_led_marine_reserve.pdf DOI 10.1007/s00227-015-2627-7	Effects of ecosystem protection on scallop populations within a community-led temperate marine reserve	Scallop	ecosystem	Area Management	2015
Welden, N.A.C		Microplastic pollution in the Clyde sea area: a study using the indicator species <i>Nephrops norvegicus</i>	nephrops	pollution	Microplastic	2015
Howson, C. (in prep.)	Scottish Natural Heritage Commissioned Research Report.	A review and validation of MPA search feature records relating to the South Arran third-party Nature Conservation MPA proposal.	S Arran	MPA	review	?2013
Munro, C.D., Baldock, L., Brown, K. and Lindsley-Leake, S. (in prep.)	Scottish Natural Heritage Commissioned Report.	Monitoring of marine habitats and species in Lamlash Bay, Arran: methodological developments and 2010 baseline data.	Lamlash	MPA	baseline data	?2013

Allen, C., Axelsson, M. and Dewey, S. (in prep.).	Scottish Natural Heritage Commissioned Report No. 437.	Marine biological survey to establish the distribution of Priority Marine Features within the Clyde Sea area.	distribution	MPA	priority marine features	2014
Swann, R. (in prep.).	Scottish Natural Heritage Commissioned Report No. 792. www.snh.org.uk/pdfs/publications/commissioned_reports/792.pdf	Marine Protected Area - related black guillemot surveys, 2014.	guillemot	MPA	survey	2014
Hall-Spencer, J.M. and Moore, P.G.	Limaria hians (Mollusca: Limacea): a neglected reef-forming keystone species.	Aquatic Conservation: Marine and Freshwater Ecosystems 10: 267-277	molluscs	reef forming	Limaria hians	2000a
Hall-Spencer, J.M. and Moore, P.G.	ICES Journal of Marine Science 57: 1407-1415.	Scallop dredging has profound, long-term impacts on maerl habitats.	Scallop	dredging	maerl	2000b
OSPAR Commission.	Ref: 2008-6. www.ospar.org/documents/DBASE/DECRECS/Agreements/08-06e_OSPAR%20List%20species%20and%20habitats.doc	List of Threatened and/or Declining Species and Habitats.	threatened	species	habitat	2008a
OSPAR Commission.	BiodiversitySeries. http://qsr2010.ospar.org/media/assessments/p00358_case_reports_species_and_habitats_2008.pdf	Case Reports for the OSPAR List of Threatened and/or Declining Species and Habitats.	threatened	species	habitat	2008b
SNH	Scottish Natural Heritage Commissioned Report No. 747. http://www.snh.org.uk/pdfs/publications/commissioned_reports/747.pdf	SNH's advice on selected responses to the 2013 Marine Scotland consultation on Nature Conservation Marine Protected Areas (MPAs).	consultation	MPA	advice	2014a
SNH	Scottish Natural Heritage Commissioned Report No. 780. http://www.snh.org.uk/pdfs/publications/commissioned_reports/780.pdf	Further advice to Scottish Government on the selection of Nature Conservation Marine Protected Areas for the development of the Scottish MPA network.	selection	MPA	advice	2014b
SNH	SNH Commissioned Report 752	Basking shark satellite tagging project: insights into basking shark (Cetorhinus maximus) movement, distribution and behaviour using satellite telemetry	Basking Shark	MPA	survey	Phase 1, July 2014
Radford, A and Riddington, G	Grid Economics report for SIFT	Economic Evaluation of the Impact of Restricting Trawling and Scallop Dredging Within 3 Miles of the Shore in the Clyde Fishery Area	Cost Benefit Analysis	Assessment	Mobile gears	2015
Ruth Thurstan	York University. http://www.arrancoast.com/images/100_years_ecosystem.pdf	Changes in the Firth of Clyde marine ecosystem over the last 100 years	Ecosystem	changes	100 years	
University of Glasgow	Dave Mckee	Optimal remote sensing for coastal and estuarine waters: current capabilities and future developments	Remote Sensing	coast	Estuary	
Tuck, I.D., Chapman, C.J. and Atkinson, R.J.A.	ICES Journal of Marine Science 54:125-135.	Population biology of the Norway lobster, Nephrops norvegicus (L.) in the Firth of Clyde, Scotland I: Growth and density.	Nephrops	growth	density	1997
Tuck, I.D., Atkinson, R.J.A. and Chapman, C.J.	ICES Journal of Marine Science 57:1227-1239.	Population biology of the Norway lobster, Nephrops norvegicus (L.) in the Firth of Clyde, Scotland II: Fecundity and size at onset of sexual maturity.	Nephrops	fecundity	maturity	2000
J. Clarke, D.M. Bailey and P.J. Wright	http://icesjms.oxfordjournals.org/content/early/2015/08/12/icesjms.fsv144	Evaluating the effectiveness of a seasonal spawning area closure	Cod	spawning	closures	2015

Who	Contact	Title	Date
SIFT		Information Pack on Proposed Firth of Clyde Regulating Order	2015
SIFT		Aquaculture Information Pack	2014
Firth of Clyde Forum (2012)	Firth of Clyde Forum	Firth of Clyde Biosecurity Plan, 2012-2016, Viewed on 12 th February 2014,	2014
Scottish Fishermen's Federation	http://www.sff.co.uk/sustainable fisheries	Scalloping Fact Sheet	2015
Clyde Inshore Fisheries Group		Fisheries Management Plan, Prestwick: Clyde Inshore Fisheries Group.	2011
COAST		Proposed Marine Protected Area South Coast of Arran	2012
Seafish	Watson, W.H and Bryson, J.T.	The Clyde inshore fishery study – Key features. SEAFISH, Edinburgh.	Jul-03
CLYDE INSHORE FISHERIES GROUP	http://ifgs.org.uk/files/4414/0188/9882/SWIFG_Clyde_IFG_MP.pdf	FISHERIES MANAGEMENT PLAN	Nov-11

HEI Partner Institutions	Funding Source (e.g. MSS, MASTS, NERC)	Name of student	MSS Supervisor / HEI Supervisor	Title of Study Project	Starts	Ends
University of Strathclyde		Alessandro Sabatino	Mike Heath (Strathclyde) Alejandro Gallego (MSS) Alan Hills (SEPA)	Modelling water circulation and the dispersal of shellfish larvae in the Firth of Clyde	2012	2015
Glasgow University		Neil Burns	David Bailey (Glasgow) Peter Wright (MSS) Bill Turrell (MSS)	How has gadoid biomass in the Clyde Sea been sustained? (Looking at reasons for abundance: life history traits, e.g. reduced mortality rate? more "r" selected? or connectivity e.g. immigration).	TBC	TBC
Glasgow University University of Strathclyde		Sophie Elliot	David Bailey (Glasgow) Mike Heath (Strathclyde) Bill Turrell (MSS)	The importance of coastal environments for the resilience of fish populations	2013	2015
University of Aberdeen	MASTS (100 %)	Michelle McCutchen (TBC)	Francis Neat (MSS) Cath Jones Les Noble	Population genomics and spatial planning for conservation of endangered common skate species complex	2013 (TBC)	2016 (TBC)
University of Strathclyde		Aiden Hunter	Mike Heath (Strathclyde) Doug Speirs (Strathclyde)	Changes in growth and maturation of fish in the Clyde (using EwE Model)		
University of Strathclyde		Peter Jones		17th and 18th century fisheries in the Clyde (Points at possible overfishing as cause for whitefish decline in the Clyde)		
Glasgow University			Douglas Neil	Dinoflagellate parasite infection of Nephrops in the Clyde		
Glasgow University		Natalie Welden		Micro-plastic pollution in the Clyde		
University of Strathclyde		Ruaraidh McPike	Mike Heath	Coupled socio-ecological modelling of coastal systems. (Using e2e ecosystem model)		
University of Strathclyde	co-funded by Marine Scotland acting through the Marine Alliance for Science and Technology (MASTS)	Hazel Smith	Mike Heath	Nephrops and the parasite Hematodinium	2015	2018
University of Strathclyde		Keshav Dutia	Mike Heath	Scallop population modelling	2015	2018