

VI. REFERENCES

- Admiralty Leisure. 2002. *Approaches to the Firth of Lorn. 1:75,000- Leisure Edition. SC 2169.*
- Alldredge, A.L., & Hamner, W.M. 1980. Recurring Aggregation of Zooplankton by a Tidal Current. *Estuarine and Coastal Marine Science* **10** 31-37.
- Allen, M.C., Read, A.J., Gaudet, J., & Sayigh, L.S. 2001. Fine-scale habitat selection of foraging bottlenose dolphins *Tursiops truncatus* near Clearwater, Florida. *Marine Ecology Progress Series*, **222** 253-264.
- Altmann, J. 1974. Observational Study of Behaviour: Sampling Methods. *Behaviour*. **49** 227-267.
- Balph, D.B. & Romesburg, H.C. 1986. The Possible Impact of Observer Bias on Some Avian Research. *Auk- Commentaries*. **103** 831-832.
- Barber, R.T. & Smith, R.L. 1981. 'Coastal Upwelling Ecosystems' In *Analysis of Marine Ecosystems*. Ed. Longhurst, A.R. Academic Press, London.
- Barnabé, G., & Barnabé-Quet, R. 2000. *Ecology and Management of Coastal Waters: The Aquatic Environment*. Praxis Publ. Ltd., Chichester, UK.
- Barne, J.H., Robson, C.F., Kaznowska, S.S., Doody, J.P., Davidson, N.C., & Buck, A.L., eds. 1997. *Coasts and seas of the United Kingdom. Region 14 South-west Scotland: Ballantrae to Mull*. Peterborough, Joint Nature Conservation Committee. (Coastal Directories Series.).
- Barrett, R.T., Anker-Nilssen, T., Gabrielsen, G.W., & Chapdelaine, G. 2002. Food Consumption by seabirds in Norwegian waters *ICES Journal of Marine Science*. **59** 43-57.
- Baretta, L. & Hunt Jr., G.L. 1994. Changes in the Numbers of Cetaceans near the Pribilof Islands, Bering Sea, between 1975-78 and 1987-89. *Arctic*. **47** 321-326.
- Belfield Software. 2003. *Belfield Software Tidal Plotter V4.2*. www.belfieldsoftware.co.uk
- Burger, A.E., & Simpson, M. 1986. Diving Depths of Atlantic Puffins and Common Murres. *Auk* **103** 828-830.

- Burger, A.E., Wilson, R.P., Garnier, D., & Wilson, M.-P.T. 1993. Diving depths, diet, and underwater foraging of Rhinocerous Auklets in British Columbia. *Canadian Journal of Zoology*. **71** 2528-2540.
- Camphuysen, C.J., & Garthe, S. 1997. An evaluation of the distribution and scavenging habits of northern fulmars (*Fulmarus glacialis*) in the North Sea. *ICES Journal of Marine Science*. **54** 654-683.
- Camphuysen, C.J., & Garthe, S. 2001. Recording Foraging Seabirds at Sea. NIOZ *Internal Report*. **IMPRESS Report 2001-001** 12pp.
- Clarke, K.R., & Gorley, R.N. 2001. PRIMER v5: *User Manual/Tutorial*. PRIMER-E: Plymouth. 91pp.
- Clarke, K.R., & Warwick, R.M. 2001. *Change in marine communities: an approach to statistical analysis and interpretation*. PRIMER-E: Plymouth. 174pp.
- Miller, P.J. & Loates, M.J. 1997. *Fish of Britain and Europe: Collins Pocket Guide*. Published by HarperCollinsPublishers, London. 288pp.
- Cushing, D.H. 1995. The long-term relationship between zooplankton and fish. *ICES Journal of Marine Science*. **52** 611-626.
- Davies, J. 1999. Broad Scale Remote Survey and Mapping of Sublittoral Habitats and their Associated Biota in the Firth of Lorn. SeaMap Research Group, University of Newcastle-upon-Tyne.
- Denardo, C., Dougherty, M., Hastie, G., Leaper, R., Wilson, B., & Thompson, P.M. 2001. A new technique to measure spatial relationships within groups of free-ranging coastal cetaceans. *Journal of Applied Ecology*. **38** 888-895.
- Dytham, C. 1999. *Choosing and Using Statistics: A biologist's guide*. Blackwell Science Ltd. 218pp.
- Evans, P.G.H., & Hammond, P.S. 2004. Monitoring cetaceans in European waters. *Mammal Review*. **34** 131-156.
- Evans, P.G.H., & Wang, J. 2002. Re-examination of distribution data for the harbour Porpoise around Wales and the UK with a view to site selection for this species. SeaWatch Foundation.
- Froese, R. and Pauly, D. (Editors), 2004. *FishBase*. World Wide Web electronic publication. www.fishbase.org, version 04/2004.

- Furness, R.W. 2002. Management implications of interactions between fisheries and sandeel-dependent seabirds and seals in the North Sea. *ICES Journal of Marine Science* **59** 261-269.
- Gislason, A., Astthorsson, O.S., Peturdottir, H., Gudfinnsson, H., & Bodvarsdottir, A.R. 2000. Life cycle of *Calanus finmarchicus* south of Iceland in relation to hydrography and chlorophyll a. *ICES Journal of Marine Science*. **57** 1619-1627.
- Gordon, J. 2001. Measuring the range to animals at sea from boats using photographic and video images. *Journal of Applied Ecology*. **38** 879-887.
- Grantham, B. 1983a. Firth of Lorne Study: Report No.1, Introduction and details of programme, with data for the period February 1979 to August 1981. *SMBA Internal Reports*. **No.86**.
- Grantham, B. 1983b. Firth of Lorne Study: Report No.2, Hydrography, nutrients and chlorophyll in the Firth of Lorne and its associated sea lochs, 3rd-19th February 1982. *SMBA Internal Reports*. **No.87**.
- Grantham, B., Boyd, D., Gowen, J., Lewis, J., & Weeks, A. 1983. Firth of Lorne Study: Report No.3, Hydrography, nutrients and chlorophyll in the Firth of Lorne and its associated sea lochs, 19th-23rd July 1982. *SMBA Internal Reports*. **No.97**.
- Grellier, K., & Wilson, B. 2003. Bottlenose dolphins using the Sound of Barra, Scotland. *Aquatic Mammals*. **29.3** 378-382.
- Hastie, G.D., Barton, T.R., Grellier, K., Hammond, P.S., Swift, R.J., Thompson, P.M., & Wilson, B. 2003a. Distribution of small cetaceans within a candidate Special Area of Conservation; implications for management. *Journal of Cetacean Resource Management*. **5(3)** 261-266.
- Hastie, G.D., Wilson, B., & Thompson, P.M. 2003b. Fine-scale habitat selection by coastal bottlenose dolphins: application of a new land-based video-montage technique. *Journal of Canadian Zoology*. **81** 469-478.
- Hastie, G.D., Wilson, B., Wilson, L.J., Parsons, K.M., & Thompson, P.M. 2004. Functional mechanisms underlying cetacean distribution patterns: hotspots for bottlenose dolphins are linked to foraging. *Marine Biology*. **144** 397-403.
- Haswell-Smith, H. 1996. *The Scottish Islands- A Comprehensive Guide to Every Scottish Island*. Canongate Books Ltd., Edinburgh, UK. 423pp.

- Hernández-León, S., Almeida, C., Gómez, M., Torres, S., Montero, I., & Portillo-Hahnefield, A. 2001. Zooplankton biomass and indices of feeding and metabolism in island-generated eddies around Gran Canaria. *Journal of Marine Systems*. **30** 51-66.
- Hume, R. 2002. *RSPB Birds of Britain and Europe*. Dorling Kindersley pp448.
- Hunt Jr., G.L. 1997. Physics, zooplankton, and the distribution of least auklets in the Bering Sea- a review. *ICES Journal of Marine Science* **54** 600-607.
- Irons, D.B. 1998. Foraging Area Fidelity of Individual Seabirds in relation to Tidal Cycles and Flock Feeding. *Ecology* **79** 647-655.
- Kinder, T.H., Hunt Jr., G.L., Schneider, D., & Schumacher, J.D. 1983. Correlations Between Seabirds and Oceanic Fronts Around the Prilobof Islands, Alaska. *Estuarine, Coastal and Shelf Science* **16** 309-319.
- Kitaysky, A.S., Hunt Jr., G.L., Flint, E.N., Rubega, M.A., & Decker, M.B. 2000. Resource allocation in breeding seabirds: responses to fluctuations in their food supply. *Marine Ecology Progress Series* **206** 283-296.
- LEADTOOLS. 2003. *SPSS for Windows v11.5.2* 1. LEAD Technologies, USA.
- Mann, K.H. 2000. *Ecology of Coastal Waters*. Blackwell Science Ltd., Abingdon, Oxon, UK.
- Mehlum, F., Hunt Jr., G.L., Decker, M.B., & Nordlund, N. 1998. Hydrographic Features, Cetaceans and the Foraging of Thick-Billed Murres and Other Marine Birds in the Northwestern Barents Sea. *Arctic* **51** 243-252.
- Mehlum, F., Hunt Jr., G.L., Klusek, Z., & Decker, M.B. 1999. Scale-dependent correlations between the abundance of Brünnich's guillemots and their prey. *Journal of Animal Ecology* **68** 60-72.
- Mendes, S., Turrell, W., Lütkebohle, T., & Thompson, P. 2002. Influence of the tidal cycle and a tidal intrusion front on the spatio-temporal distribution of coastal bottlenose dolphins. *Marine Ecology Progress Series*. **239** 221-229.
- Morgado, F., Queiroga, H., Melo, F., & Sorbe, J. 2003. Zooplankton abundance in a coastal station off the Ria de Aveiro inlet (north-western Portugal): relations with tidal and day/night cycles. *Acta Oecologica* **24** S175-S181.

- Mouny, P. & Dauvin, J. 2002. Environmental control of mesozooplankton community structure in the Seine estuary (English Channel). *Oceanologica Acta.* **25** 13-22.
- Oatham, T. 1983. The ecology of phytoplankton in relation to the hydrography of the Firth of Lorne, Loch Linnhe and Loch Eil, July 1983. *SMBA Internal Report.*
- Ordnance Survey. 2002. *Lochgilphead & Loch Awe. 1:50000- OS Landranger Map. #55.*
- Owens, R.W. 1981. Fronts and Eddies in the Sea: Mechanisms, Interactions and Biological Effects' In *Analysis of Marine Ecosystems.* Ed. Longhurst, A.R. Academic Press, London.
- Parsons, T.R., Stronach, J., Borstad, G.A., Louttit, G., & Perry, R.I. 1981. Biological Fronts in the Strait of Georgia, British Columbia, and their Relation to Recent Measurements of Primary Productivity. *Marine Ecology Progress Series.* **6** 237-242.
- Piatt, J.F., Methven, D.A., Burger, A.E., McLagan, R.L., Mercer, V., & Creekman, E. 1989. Baleen whales and their prey in a coastal environment. *Canadian Journal of Zoology* **67** 1523-1530.
- Raum-Suryan, K.L., & Harvey, J.T. 1998. Distribution and abundance of and habitat use by harbour porpoise, *Phocoena phocoena*, off the northern San Juan Islands, Washington. *Fishery Bulletin.* **96(4)** 808-822.
- Reid, J.B., Pollock, C.M., & Mavor, R. 2001. Seabirds of the Atlantic Frontier, north and west of Scotland. *Continental Shelf Research* **21** 1029-1045
- Santos, M.B., & Pierce, G.J. 2003. The diet of Harbour Porpoise (*Phocoena phocoena*) in the Northeast Atlantic. *Oceanography and Marine Biology: An Annual Review* **41** 355-390.
- Skov, H & Durinck, J. 1998. Constancy of frontal aggregations of seabirds at the shelf break in the Skagerrak. *Journal of Sea Research* **39** 305-311.
- Skov, H & Durinck, J. 2000. Seabird distribution in relation to hydrography in the Skagerrak. *Continental Shelf Research* **20** 169-187.
- St. John, M.A., Harrison, P.J., & Parsons, T.R. 1992. Tidal wake-mixing: localized effects on primary production and zooplankton distributions in the Strait of Georgia, British Columbia. *Journal of Experimental Marine Biology and Ecology.* **164** 261-274.

- St. John, & Pond, S. 1992. Tidal plume generation around a promontory: effects on nutrient concentrations and primary productivity. *Continental Shelf Research*. **12**(2/3) 339-354.
- Swartzman, G., & Hunt, G. 2000. Spatial associations between murres (*Uria spp.*), puffins (*Fraterculata spp.*) and fish shoals near Pribilof Islands, Alaska. *Marine Ecology Progress Series*. **206** 297-309.
- Suryan, R.M., Irons, D.B., Kaufman, M., Benson, J., Jodice, P.G.R., Roby, D.D., & Brown, E.D. 2002. Short-term fluctuations in forage fish availability and the effect on prey selection and brood-rearing in the black-legged kittiwake *Rissa tridactyla*. *Marine Ecology Progress Series*. **236** 273-28.
- Tasker, M.L., Hope Jones, P., Dixon, T., & Blake, B.F. 1984. Counting seabirds at sea from ships: A review of methods employed and a suggestion for a standardized approach. *Auk*. **101** 567-577.
- Trites, A.W., Hochachka, W., & Carter, S. 1996. Killer Whales and Vessel Activity in Robson Bight from 1991 to 1994. *Marine Mammal Research Unit*. **PAC 1617**.
- Uda, M., & Ishino, M. 1958. Enrichment patterns resulting from eddy systems in relation to fishing grounds. *Journal of Tokyo University of Fisheries*. **44** 105-129.
- Vermeer, K., Szabo, I., & Greisman, P. 1987. The relationship between plankton-feeding Bonaparte's and Mew Gulls and tidal upwelling at Active Pass, British Columbia. *Journal of Plankton Research*. **9**(3) 483-501.
- Verity, P.G., Wassmann, P., Frischer, M.E., Howard-Jones, M.H., Allen, A.E. 2002. Grazing of phytoplankton by microzooplankton in the Barents Sea during early summer. *Journal of Marine Science*. **38** 109-123.
- Wanless, S., Burger, A.E., & Harris, M.P. 1991. Diving depths of Shags *Phalacrocorax aristotelis* breeding on the Isle of May. *Ibis* **133** 37-42.
- Wanless, S., Harris, M.P., Burger, A.E., & Buckland, S.T. 1997. Use of Time-at-depth Recorders for Estimating Depth and Diving Performance of European Shags. *Journal of Field Ornithology* **68**(4) 547-561.
- Watts, L.J., Rippeth, T.P., & Edwards, A. 1998. The Roles of Hydrographic and Biogeochemical Processes in the Distribution of Dissolved Inorganic Nutrients in a

- Scottish Sea-loch: Consequences for the Spring Phytoplankton Bloom. *Estuarine, Coastal and Shelf Science*. **46** 39-50.
- Webb, A., Harrison, N.M., Leaper, G.M., Steele, R.D., Tasker, M.L., & Pienkowski, M.W. 1990. Seabird distribution west of Britain. *NCC Report S/N 90/12A*.
- Weichler, T., Garthe, S., Luna-Jorquera, G., & Moraga, J. 2004. Seabird distribution on the Humboldt Current in northern Chile in relation to hydrography, productivity, and fisheries. *ICES Journal of Marine Science*. **61** 148-154.
- Weir, C.R., Pollock, C., Cronin, C., & Taylor, S. 2001. Cetaceans of the Atlantic Frontier, north and west of Scotland. *Continental Shelf Research*. **21** 1047-1071.
- Winslade, P. 1974. Behavioural studies on the lesser sandeel *Ammodytes marinus* (Raitt) I. The effect of food availability on activity and the role of olfaction in food detection. *Journal of Fish Biology*. **6** 565-576.
- Wolanski, E., Drew, E., Abel, K.M., O'Brien, J. 1988. Tidal Jets, Nutrient Upwelling and Their Influence on the Productivity of the Alga *Halimeda* in the Ribbon Reefs, Great Barrier Reef. *Estuarine, Coastal and Shelf Science*. **26** 169-201.
- Youssara, F. & Gaudy, R. 2001. Variations of zooplankton in the frontal area of Alboran sea (Mediterranean sea) in winter 1997. *Oceanlogica Acta*. **24(4)** 361-376.
- Zamon, J. 2001. Seal predation on salmon and forage fish schools as a function of tidal currents in the San Juan Islands, Washington, USA. *Fisheries Oceanography*. **10:4** 353-366.
- Zamon, J. 2002. Tidal changes in copepod abundance and maintenance of a summer *Coscinodiscus* bloom in the southern San Juan Channel, San Juan Islands, USA. *Marine Ecology Progress Series*. **226** 193-210.
- Zamon, J. 2003. Mixed species aggregations feeding upon herring and sandlance schools in a nearshore archipelago depend on flooding tidal currents. *Marine Ecology Progress Series*. **261** 243-255.