

DTI Strategic Environmental Assessment Area 7

SEA7: Fish and Fisheries

Prepared by

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Dunbeg, Oban, Argyll PA371QA*

September 2002

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Background

The purpose of this report is to provide an initial assessment of the availability, type and quality of fish resource and commercial fisheries data in SEA7. It consists principally of a list of references in EndNote format which act as an input to the meta-data inventory, and which describe the source of information, its spatial extent, and where they can be found. The list of references is provided in hard copy and in electronic format.

The SEA7 area has a latitudinal range of 54 to 60°N and longitudinal range of 5 to 24°E. From 6.5 to 24°E the southern latitudinal range varies from 55.5 to 57.5°N. The area covers all of the west coast of Scotland and extends south into the northern Irish Sea. The SEA7 area overlaps ICES divisions VIIa, VIa, VIb and XII (Figure 1). This review mostly considers the west coast of Scotland. It is assumed that the area of SEA7 that overlaps ICES division VIIa is covered by the SEA6 review which is based on VIIa.

There are two marine biological institutes located within the SEA7 area from which most of the review data have been generated. These are the Scottish Association for Marine Science (SAMS) laboratories at Dunstaffnage, near Oban, and the University Marine Biological Station (UMBS) at Millport on the Isle of Cumbrae. Research at SAMS has been conducted in the Oban area since the movement of the Scottish Marine Biological Association (SMBA) there in 1969-70, under the auspices of the SMBA, now renamed as SAMS, or as the Natural Environment Research Council Dunstaffnage Marine Laboratory. Previous to 1969-70, the SMBA was located at Millport and research there dates back to the 19th century. Following the movement of the SMBA to Oban, the station at Millport was taken over and run jointly by the Universities of London and Glasgow. The other main research body that has been studying fish and fisheries in the SEA7 area has been the Fisheries Research Service located at the Marine Laboratory, Aberdeen. This has included inshore and offshore research and has, at times, been collaborative with SAMS and/or UMBS. Finally, there is a small research unit located at Ardtoe on the west coast, funded in part by the SeaFish Industry. Although some fish and fisheries research has been conducted there in the past, it's role is primarily in support of mariculture.

Review of the fishes of the west coast of Scotland

Gordon and De Silva (1980) and Gordon (1981) have published a species by species account of the fishes of the west of Scotland shelf. These reviews combined an extensive review of the literature with more detailed reports on areas where there had been detailed studies of fish populations. These areas were the Clyde Sea Area, The Firth of Lorne and its associated sea lochs, Loch Sween and Lochs Ewe and Torridon. In the preparation of this review SAMS compiled a database of published records of rare fish from Scottish waters. It is based mainly on the records of rare fish that were published annually until 1986 by ICES in *Annales Biologique*.

Bottom trawling surveys in the Firth of Lorne and adjacent sealochs (1969-1980)

In 1969 SAMS began a seasonal sampling programme of sealochs. The early surveys centred on the Firth of Lorne, Loch Linnhe, Loch Etive, Loch Creran, Loch Spelve and Loch Sunart. In later years the surveys were extended to South-west Mull, the upper Sound of Mull and the Passage of Tiree. These surveys supported two PhD projects (De Silva 1973; clupeids and Cooper 1979; gadoids) and several other scientific papers were published. The basic catch data have been published in a series of SAMS Internal Reports. The biological data exists mainly as hard copy. Some midwater trawling was also carried out to provide information on the juvenile clupeids and gadid but the data are less complete.

Egg and larval surveys

Egg and larval surveys were routinely carried out by SAMS in the Firth of Lorne and adjacent sealochs and sea areas between 1969 and 1976. The larval collections were identified by Sir Frederick Russell and many of the specimens were used to illustrate his book on the eggs and planktonic stages of British marine fishes (Russell, 1976). The results were used by De Silva and Cooper for their PhD projects and by Duncan for her MSc project (Duncan 1993). Most of the data exists as hard copy and some of the material has been preserved.

Inshore sandy bay studies

A significant component of fish and fisheries research at SAMS from the early 1970s to the late 1990s was based on detailed assessments of the biology and ecology of juvenile flatfish species in sandy bays and the intertidal. Most of this work was based around the work of RN Gibson and in addition to the many peer-reviewed publications there is a large collection of annual reports detailing this work. The more recent examples of this research are Gibson et al. 1993 and 1995, Gibson and Robb 1996, and Burrows et al., 1994 and 2001.

Rocky shore studies

Isolated studies of fishes in the inshore rocky habitats have been carried out both at SAMS and UMBS for many years. In addition, FRS supported a number of reef fish studies in the 1990s (*e.g.* Sarno et al., 1994). The more recent research in this field has been conducted at SAMS jointly with UMBS since the early 1990s. This work was based initially on assessing the biology of wrasse species subject to commercial exploitation

(reviewed by Sayer et al., 1996 and Sayer 1996). This work was then expanded through Ministry for Agriculture Fisheries and Food support to examine the factors affecting the distribution of inshore juvenile gadoids. This work has recently concluded (Sayer et al., 2001) but the research area is maintained in the SAMS Northern Seas Programme (Burrows et al., 1999; Magill and Sayer, 2002, 2003).

Sea Trout

In the 1970s SAMS studied the migrations and diet of sea trout in some of the sea lochs of the Firth of Lorne area (Pemberton, 1976 a, b and Gibson and Ezzi, 1990). The proceedings of a conference on sea trout in Scotland provides other information on the fishery and the distribution of the species (Picken and Shearer, 1990).

JNCC Sea Loch Surveys

From the mid-1980s to the early 1990s, the Joint Nature Conservancy Committee commissioned a series of sublittoral surveys of the sea lochs on the west coast of Scotland and the Western Isles. The reports from these surveys are listed at www.jncc.gov.uk/mit/sloch.htm and summarized in Howson et al. 1994. The surveys were primarily diver-based and are relatively qualitative presence or absence lists at a number of locations in each sea loch system.

Clyde Sea Area

The fish fauna of the Clyde is well documented (Bagenal, 1965). Hislop (1986) and Bailey et al. (1986b) described the demersal fisheries; Bailey et al. (1986a) describe the *Nephrops* fishery in the Firth of Clyde. More recently there have been more detailed studies undertaken of the *Nephrops* fisheries in and around the Firth of Clyde area undertaken by the University Marine Biological Station Millport. These works are published in part by more detailed data are available on request.

Irish Sea

Surveys of the northern area of the Irish Sea covered by SEA7 have been conducted by Department of Agriculture and Rural Development (DARD) of Northern Ireland in which Port Erin staff/students have participated. The Northern Ireland surveys have been carried out in March and October since 1992. From March 1992 to March 2001 the survey extended from 54° 43' N to 53° 22' N. From October 2001 the survey extended into St George's Channel to 52° 18' N. The depth range is from 20 to 120 m. The data has not been published to date.

Fisheries of the west of Scotland continental shelf

The fisheries of the outer continental shelf around the Hebrides were described by Bailey et al. 1979.

In ICES Subarea VI the main pelagic fisheries for herring, mackerel and sprat have undergone considerable change in recent years. The herring stock is composed of two groups, spring and autumn spawners although the latter are dominant (FRS information leaflet; west of Scotland herring stocks). Landings have fluctuated over the years and there was a closure of the fishery in the late 1970s. Management is difficult because of mis-

reporting of catches between West of Scotland and the North Sea. As a consequence the true state of the stock is unknown but it is thought to be stable or may be increasing. The Scottish catch for the west coast in 2001 was 22570 t. The international Total Allowable Catch (TAC) for the west of Scotland in 2002 was set at 37360 t with a UK share of 22570 t. There are two stocks of mackerel, the North sea and the western. The western stock spawns to the south and west of the UK and Ireland but in recent years the spawning areas have extended northwards to the west of the shelf edge (FRS information leaflet:mackerel stocks). After spawning the fish migrate to feeding grounds in the Norwegian Sea and the northern North Sea. The west of Scotland migration route has changed significantly since the 1970s. A more westerly route has replaced the former migration route through the Minch. The state of the combined stocks is considered to be outside safe biological limits.

The main demersal fisheries of the west of Scotland are for cod, haddock, whiting, saithe, anglerfish and shellfish (especially *Nephrops*). The west of Scotland cod stock is considered to be outside safe biological limits and the international TAC for 2002 has been set at 4600 t with a UK share of 2760 t (FRS information leaflet: west of Scotland cod stocks). The haddock stock to the west and north of Scotland is probably a separate biological stock and is considered to be outside safe biological limits. The international TAC for 2002 has been set at 14100 t with a UK share of 10992 t (FRS information leaflet: west of Scotland haddock stocks). Whiting is an important component of the mixed fisheries of the west of Scotland with landings in 2001 of 2580 t. About half of the total catch is discarded. There is evidence of separate stocks on the west coast that are separate from those of the North Sea. The stock is considered to be beyond safe biological limits (FRS information leaflet: west of Scotland whiting stocks). The Saithe is the fifth most important demersal species by weight landed by the Scottish fleet but only about 10% is from west coast grounds (FRS information leaflet: saithe). The saithe is an important species for the French deep-sea trawlers that operate on the west coast The stock is considered to be within safe biological limits although there are some concerns about the data on this species. The UK quota for the west coast for 2002 is about 3200 t.

The *Nephrops* fishery is the most valuable in Sub-area VI with an annual value of £ 25.7 m in 2000. In 2000 the west of Scotland landings amounted to 10733 t. The fishery is widespread but most are taken by small inshore trawlers. Creel fisheries are also important and can account for up to 15% of the catch. The stocks have stabilised in recent years (FRS information leaflet: Scottish *Nephrops* stocks: west coast). The importance of anglerfish (monkfish) has increased markedly in recent years. Because of their body shape immature fish are retained by current mesh sizes and there has been an decline in large adult fish on the west of Scotland shelf. The fishery has moved into deeper water in Sub-area VI which were previously thought to be a refuge for adult anglerfish. There are now serious concerns over the state of the stock which is considered to be outside safe biological limits. The UK west of Scotland quota for 2002 was set at 1513 t.

Fisheries Research Services (FRS) surveys and monitoring

FRS have been carrying out routine groundfish surveys in Quarter 1 (usually in March) since 1981. The area covered is Sub-area VI, the northern part of the Irish Sea and

Northwest Ireland. Since 2000 the depth range covered has been from 20 to 500 m. The target species are cod, haddock, whiting, saithe and herring. Length age frequency distributions are constructed for all these species. All other species are recorded and, at least, length data are collected. Indices of abundance at age are calculated for the target species and these data are used by the ICES Northern Shelf Assessment Working Group and the Herring Assessment Working Group.

The mackerel recruit survey in Quarter 4 covers the same area as the Quarter 1 groundfish survey. These surveys began in 1985 and is generally carried out in November. The target species now include cod, haddock, whiting, saithe and herring but the time series for the demersal species are too short to be of use to ICES.

Every summer FRS carries out an annual herring acoustic survey in the northern part of Division VIa. Routine surveys of scallops and *Nephrops* are undertaken and more recently inshore/sea loch surveys have been undertaken. Biannual surveys of deep-water fishes have been undertaken since 1998.

In addition to the above research vessel surveys FRS charters vessels for specific projects and sends scientists on commercial vessels to sample discards (30 + trips per annum in Sub-area VIa).

Market sampling of landings is routinely carried out at the ports of Kinlochbervie, Lochinver, Ullapool, Mallaig and Troon. Length frequency and age data have been collected since 1962 and are used by ICES Working Groups. Monthly commercial landings data by statistical square from 1960 onwards for all commercial species are held on database.

Deep-sea fishes

SEA7 covers a vast area of the deep-sea extending from the west of Scotland continental margin, through the Rockall Trough and westwards beyond the Rockall Plateau to the Hatton Bank and the adjacent abyssal plain.

Rockall Plateau

The fisheries on the Rockall Bank have been described by Blacker (1982). Since 1997 when the UK relinquished its claim to a 200 mile fishery limit around Rockall there has been an uncontrolled expansion of the fisheries. One of the more important fisheries is for haddock and some agreement has been reached over the management of these stocks amongst the participating countries in the North-east Atlantic Fisheries Commission (NEAFC). Fisheries Research Services carry out a Rockall groundfish survey in Quarter 3 (September) every second year (annually from 1985 to 1997). The survey covers the whole of the plateau down to depths of 250 m.

Rockall Trough

Some of the earliest explorations of deep-sea fishes were in the Rockall Trough in the 1860s and since then there have been many biological and fisheries surveys. Commercial deep-water fishing began in the 1970s and expanded rapidly throughout the 1990s. A

paper entitled *The Rockall Trough, North East Atlantic: the cradle of deep-sea biological oceanography that is now being subjected to unsustainable fishing activity* by Gordon (in press) to be published in the Journal of Northwest Atlantic Fishery Science reviews the historical background, the biology of the fish species and the development and status of the fisheries. [An earlier version of this paper is available as a NAFO SCR document; Gordon, 2001a]. Although not intended as a comprehensive literature review the references cited will guide the interested reader to the relevant literature.

The UK Ministry of Agriculture Fisheries and Food (MAFF) now the Department of Environment, Food and Rural Affairs (DEFRA) in conjunction with the White Fish authority (now Sea Fish Industry Authority) carried out surveys in the 1970s. The data, which form a useful record of the unexploited resource, have been reanalysed as part of an EC DG XIV Project 94/017 (Gordon and Swan, 1997).

The basic data from SAMS surveys (1975-1992) were analysed with the support of another EC Project DGXIV 92/10 (Gordon and Swan, 1993). Germany also carried out surveys in the 1970s and 1980s and these data were recently reanalysed as a contribution to an EC FAIR project (EC95/0655). Many of the sub-tasks of this project, which extended from Iceland to Greece, dealt with the fish and fisheries of the Rockall Trough. They included descriptions of fisheries, analysis of archived material, market sampling, discard studies and biological parameters. The final consolidated report the project (*Developing deep-water fisheries: data for their assessment and for understanding their interaction with and impact on a fragile environment*) is available on the SAMS web-site (www.sams.ac.uk). Much of the data from these surveys has been used to investigate the effects of fishing on deep-water fish species (Basson et al. 2002).

The deep-water fisheries have been described by Gordon (2001b). The demersal fisheries are for the true deep-water species (blue ling, roundnose grenadier, orange roughy, black scabbardfish, and deep-water sharks) and species that also occur on the shelf (ling, tusk, megrim and anglerfish). The important pelagic species are blue whiting and the greater silver smelt or argentine. The ICES Working Group on the Biology and Assessment of Deep-sea Fisheries (WGDEEP) reports on all these species except anglerfish, megrim and blue whiting.

Since 1998 ICES ACFM has been advising that the deep-water fisheries are overexploited and that management should be by a reduction of effort rather than by total allowable catches (TAC). The EC first proposed TACs in 1999 but these and subsequent proposals for regulatory measures were all deferred. In June 2002 a compromise measure was agreed, subject to approval of the European Parliament, for a TACs on selected species from January 2003.

Hatton Bank and surrounding abyssal plain

The Hatton Bank lies to the west of the Rockall Plateau and lies partly in ICES Division VIb and partly in Sub-area XII. Prior to 1997 a large part of the bank lay within the UK 200 mile fishery limits. Little was known about the deep-water fish populations of the bank and its surrounding waters, although it was generally assumed that they would have

strong affinities with those of the Rockall Trough. However, knowledge gained from the developing fisheries indicates a more complex situation. Fisheries for roundnose grenadier, black scabbardfish etc. exist over a large part of the bank but in some areas fisheries for Greenland halibut also occur. Greenland halibut is associated with the colder waters of Nordic Seas and are probably associated with the coldwater overflow across the Faroe/Iceland Ridge being channelled past the bank. The main fisheries are a Spanish trawl fishery for grenadiers, smoothheads and other Atlantic deep-water species and a Norwegian longline fishery for Greenland halibut. Faroese trawlers have also operated on the bank and have carried out exploratory fishing over a wide area of the North-east Atlantic for orange roughy. ICES Sub-area XII covers a large area extending west to the Mid-Atlantic ridge. This creates problems when reporting landings and the ICES WGDEEP have usually excluded reported landings from Sub-area XII from their assessments. There are also concerns that not all countries report landings of deep-water species from these international waters. At the present time NEAFC has no management measures in place for deep-water species. However, the TACs being implemented by EU countries will apply to the whole ICES area.

References

- Bailey, N., F.G. Howard, and C.J. Chapman. 1986a. Clyde *Nephrops*: biology and fisheries. *Proceedings of the Royal Society of Edinburgh*. 90B:501-518.
- Bailey, R.S., J.R.G. Hislop, and J. Mason. 1979. The fish and shellfish resources in seas adjacent to the Outer Hebrides. *Proceedings of the Royal Society of Edinburgh*. 77B:479-494.
- Bailey, R.S., D.W. McKay, J.A. Morrison and M. Walsh. 1986b. The biology and management of herring and other pelagic fish stocks in the Firth of Clyde. *Proceedings of the Royal Society of Edinburgh*. 90B: 407-422.
- Bagenal, T.B. 1965. The Fauna of the Clyde Sea Area. Fishes. Scottish Marine Biological Association, Millport. 38 pp.
- Basson, M., Gordon, J.D.M., Large, P., Lorance, P., Pope, J and Rackham, B. 2002. The effects of fishing on deep-water fish species to the west of Britain. JNCC Report No. 324, 150 pp.
- Blacker, R.W. 1982. Rockall and its fishery. *Laboratory Leaflet, MAFF Directorate of Fisheries Research, Lowestoft*. 55:23 pp.
- Burrows, M.T., K. Kawai and R.N. Hughes. 1999. Foraging by mobile predators on a rocky shore: underwater TV observations of blennies *Lipophrys pholis* and crabs *Carcinus maenas*. *Marine Ecology Progress Series* 187: 237-250.
- Burrows, M.T., R.N. Gibson, L. Robb, and C.A. Comely. 1994. Temporal patterns of movement in juvenile flatfishes and their predators: underwater television observations. *Journal of Experimental Marine Biology and Ecology* 177: 251-268.
- Burrows, M.T., S.J. Gontarek, R.D.M. Nash and R.N. Gibson. 2001. Shrimp predation on 0-group plaice: contrasts between field data and predictions of an individual-based model. *Journal of Sea Research* 45: 243-254.
- Cooper, A. 1979. Aspects of the ecology of gadoid fish of the west coast of Scotland. University of Stirling. 162pp.
- De Silva, S.S. 1973. Clupeid populations of inshore waters of the west coast of Scotland. University of Stirling. 121 pp + appendices.
- Duncan, J.A.R. 1993. Seasonal spawning and distribution of larval and juvenile stages of fish of the west coast of Scotland. University of Stirling 50 pp + appendices.

- Gibson, R.N., A.D. Ansell and L. Robb. 1993. Seasonal and annual variations in abundance and species composition of fish and macrocrustacean communities on a Scottish sandy beach. *Marine Ecology Progress Series* 98: 89-105.
- Gibson, R.N., and I.A. Ezzi. 1990. A comparative study of sea trout (*Salmo trutta* L.) in west Highland sea lochs with special reference to Loch Feochan. *In* The sea trout in Scotland. M.J. Picken and W.M. Shearer, editors. NERC, Swindon. 61-70.
- Gibson, R.N. and L. Robb. 1996. Piscine predation on juvenile fishes on a Scottish sandy beach. *Journal of Fish Biology* 49: 120-138.
- Gibson, R.N., L. Robb, M.T. Burrows and A.D. Ansell. 1995. Tidal, diel and seasonal changes in the distribution of fishes on a Scottish sandy beach. *Marine Ecology Progress Series* 130: 1-17.
- Gordon, J.D.M. 1981. The fish populations of the west of Scotland shelf. Part II. *Oceanography and Marine Biology: an Annual Review*. 19: 405-441.
- Gordon, J.D.M. 2001a. The Rockall Trough, North East Atlantic: an account of the change from one of the best studied deep-water ecosystems to one that is being subjected to unsustainable fishing activity. *NAFO SCR Doc.* 01/101:30pp.
- Gordon, J.D.M. 2001b. Deep-water fisheries at the Atlantic Frontier. *Continental Shelf Research*. 21: 987-1003.
- Gordon, J.D.M. In press. The Rockall Trough, North East Atlantic: the cradle of deep-sea biological oceanography that is now being subjected to unsustainable fishing activity. *Journal of Northwest Atlantic Fishery Science*.
- Gordon, J.D.M., and S.S. De Silva. 1980. The fish populations of the west of Scotland shelf. Part I. *Oceanography and Marine Biology: an Annual Review*. 18: 317-366.
- Gordon, J.D.M. and S.C. Swan. 1997. Final Report of EC DGXIV/C1 Contract 94/017 Deep-water demersal fishes: data for assessment and biological analysis.
- Gordon, J.D.M. and S.C. Swan. 1993. Biological parameters of deep-water fish species. Report to the Commission of the European Communities, DG XIV/C/1, 1992/10, 122 pp + appendices.
- Hislop, J.R.G. 1986. The demersal fishery in the Clyde Sea Area. *Proceedings of the Royal Society of Edinburgh*. 90B: 423-437.
- Howson, C.M., D.W. Connor and R.H.F. Holt. 1994. The Scottish sealochs. An account of surveys undertaken for the Marine Nature Conservation Review. (Contractor: University Marine Biological Station, Millport) JNCC Report, No. 164. (Marine Nature Conservation Review Report, No. MNCR/SR/27).

Magill, S.H. and M.D.J. Sayer. 2002. Seasonal and interannual variation in fish assemblages of northern temperate rocky subtidal habitats. *Journal of Fish Biology* in press.

Magill, S.H. and M.D.J. Sayer. 2003. Occurrence of juvenile cod (*Gadus morhua* L.) in the shallow rocky subtidal of the west coast of Scotland: aspects of seasonal and interannual variation. *Journal of Fish Biology* in press.

Picken, M.J., and W.M. Shearer. 1990. The sea trout in Scotland. NERC, Swindon. 102pp.

Pemberton, R. 1976a. Sea trout in North Argyll sea lochs: II.diet. *Journal of Fish Biology*. 9: 195-208.

Pemberton, R. 1976b. Sea trout in North Argyll Sea lochs, population, distribution and movements. *Journal of Fish Biology*. 9: 157-179.

Russell, F.S. 1976. The eggs and planktonic stages of British marine fishes. Academic Press, London. 524 pp.

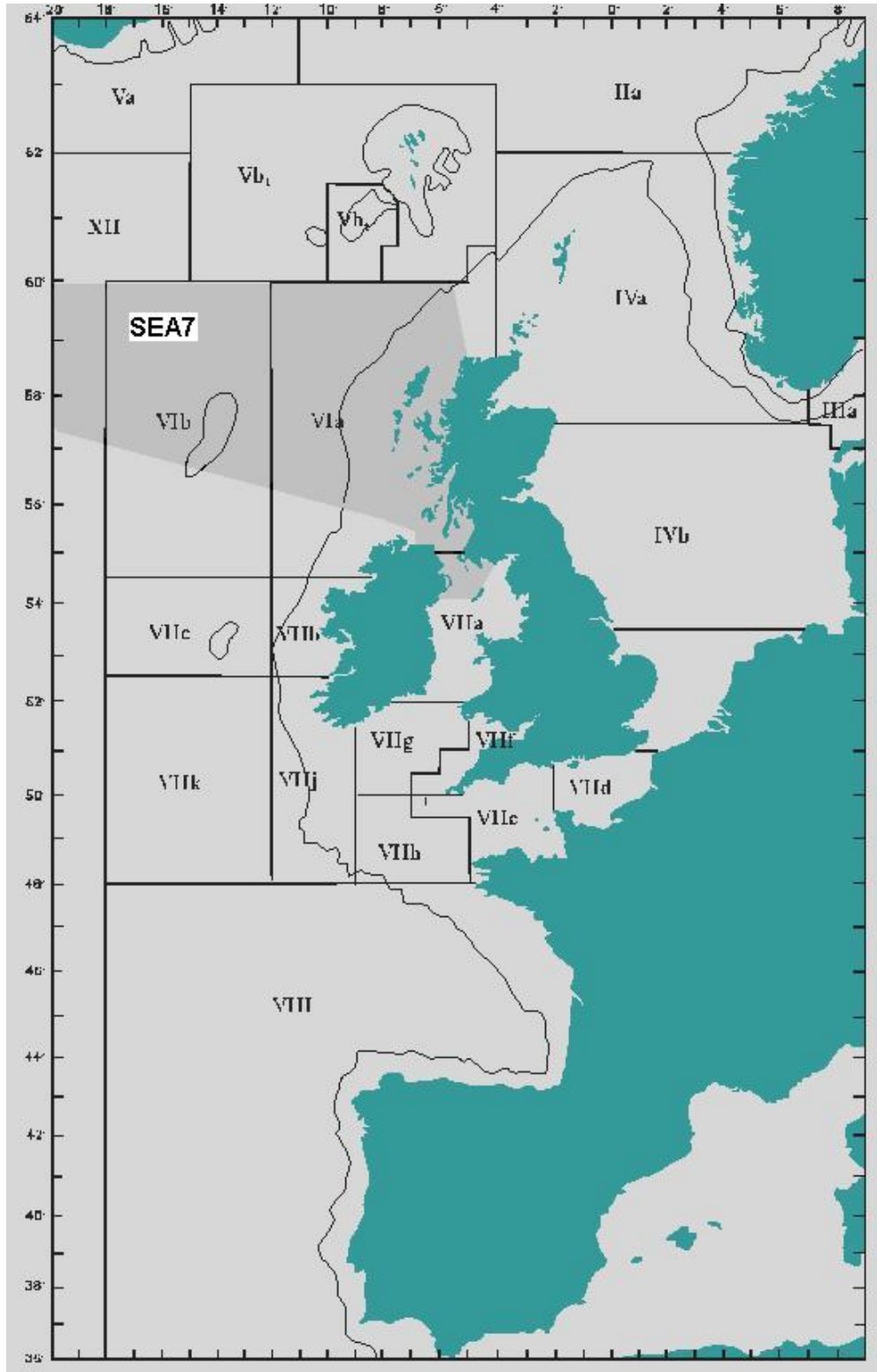
Sarno, B., C.W. Glass, and G.W. Smith. 1994. Differences in diet and behaviour of sympatric saithe and Pollack in a Scottish sea loch. *Journal of Fish Biology* 45 (Suppl. A): 1-11.

Sayer, M.D.J. 1996. Wrasse use in aquaculture: implications for the sea loch environment. In *Aquaculture and Sea Lochs* (Black, K.D., ed.), pp. 82–88. Oban: Scottish Association for Marine Science.

Sayer, M.D.J., S.M. Magill, S.R.Thurston, T.A. Wilding, L.A. Nickell and R.N. Gibson. 2001. MF0133: The factors affecting distribution and abundance of juvenile gadoids in rocky subtidal habitats; Final report of GSG MAFF. *Dunstaffnage Marine Laboratory Internal Report* 233, 202pp.

Sayer, M.D.J., J.W. Treasurer and M.J. Costello. 1996. *Wrasse: Biology and Use in Aquaculture*. Oxford: Blackwell Scientific, 284pp

Figure 1: Map of north-western Europe with ICES areas marked. Area SEA7 is shaded and overlaps ICES divisions VIIa, VIa, VIb and XII.



Reference Type: Journal Article

Record Number: 169

Author: Afonso-Dias, I. P.; Hislop, J. R. G.

Year: 1996

Title: The reproduction of anglerfish *Lophius piscatorius* Linnaeus from the north-west coast of Scotland

Journal: Journal of Fish Biology

Volume: 49 Supplement A

Pages: 18-39

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 170

Author: Allain, V.; Kergoat, B.

Year: 1997

Title: Biodiversité et stratégies démographiques des populations de poissons profonds de l'atlantique nord-est soumises à la pression de la pêche. Biodiversity and demographic strategies of exploited deep-sea fish populations from North-east Atlantic

Journal: Vie Milieu.

Volume: 47

Pages: 285-294

Label: 3732

Notes: a. Held at most marine laboratory libraries

b. Free

c. 4

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 171

Author: Allain, V.

Year: 1998

Title: Reproduction and fecundity of 3 species of deep-sea fish from the north-east Atlantic Ocean

Journal: ICES CM

Volume: 1998/O:4

Pages: 14pp

Notes: a. Held at most fishery laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Thesis

Record Number: 172

Author: Allain, V.

Year: 1999

Title: Écologie, biologie et exploitation des populations de poissons profonds de l'Atlantique du nord-est

University: Université de Bretagne Occidentale

Thesis Type: Doctorate

Notes: a. Held at most marine laboratory libraries

b.

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 173

Author: Allain, V.; Lorance, P.

Year: 2000

Title: Age estimation and growth of some deep-sea fish from the Northeast Atlantic Ocean

Journal: Cybium

Volume: 24 suppl.

Pages: 7-16

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 174

Author: Anon.

Year: 1995

Title: Report of the study group on the biology and assessment of deep-sea fisheries resources

Journal: ICES CM

Volume: 1995/Assess:21/G

Pages: 3pp

Notes: a. Held at most fishery laboratory libraries

b. Free

c. 4

d. ICES Sub-area VI + XII

Reference Type: Journal Article

Record Number: 175

Author: Anon.

Year: 1997

Title: Report of the study group on the biology and assessment of deep-sea fisheries resources

Journal: ICES CM

Volume: 1997/Assess:17

Pages: 29pp

Notes: a. Held at most fishery laboratory libraries

b. Free

c. 4

d. ICES Sub-area VI + XII

Reference Type: Journal Article

Record Number: 176

Author: Anon.

Year: 1998

Title: Report of the study group on the biology and assessment of deep-sea fisheries resources

Journal: ICES CM

Volume: 1998/ACFM:12

Pages: 172pp

Notes: a. Held at most fishery laboratory libraries

b. Free

c. 4

d. ICES Sub-area VI + XII

Reference Type: Journal Article

Record Number: 177

Author: Anon.

Year: 1999

Title: Report of the study group on the biology and assessment of deep-sea fisheries resources

Journal: ICES CM

Volume: 1999/ACFM:21

Pages: 35pp

Notes: a. Held at most fishery laboratory libraries

b. Free

c. 4

d. ICES Sub-area VI +XII

Reference Type: Journal Article

Record Number: 178

Author: Anon.

Year: 2000

Title: Report of the study group on the biology and assessment of deep-sea fisheries resources.

Journal: ICES CM

Volume: 2000/ACFM:8

Pages: 206 pp

Notes: a. www.ices.dk/iceswork

b. Free

c. 4

d. ICES Sub-area VI + XII

Reference Type: Journal Article

Record Number: 179

Author: Anon.

Year: 2001

Title: Report of the working group on the biology and assessment of deep-sea fisheries resources

Journal: ICES CM

Volume: 2001/ACFM:23

Pages: 38

Notes: a. www.ices.dk/iceswork

b. Free

c. 4

d. ICES Sub-area VI

Reference Type: Report

Record Number: 180

Author: Anon.

Year: 2002

Title: BIM Deepwater programme 2001. Scientific Report to the ICES working group on the biology and assessment of deep-sea fisheries (WGDEEP). Plus 3 appendices

Pages: 18pp + appendices

Notes: a. Available from An Bord Iascaigh Mhara, Ireland

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Book Section

Record Number: 33

Author: Ansell, AD; Gibson, RN

Year: 1990

Title: Patterns of feeding and movement of juvenile flatfishes on an open sandy beach

Editor: Barnes, M; Gibson, RN

Book Title: Trophic Relationships in the Marine Environment

City: Aberdeen

Publisher: Aberdeen University Press

Pages: 191-207

Notes: a. available through most marine laboratory libraries

b. free

c. 4

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 105

Author: Atkinson, R. J. A.; Pullin, R. S. V.

Year: 1996

Title: Observations on the burrows and burrowing behaviour of the red band-fish, *Cepola rubescens* L.

Journal: Marine Ecology, Naples

Volume: 17

Pages: 23-40

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 106

Author: Bagenal, T. B.

Year: 1954

Title: The growth rate of hake, *Merluccius merluccius* (L) in the Clyde and other Scottish Sea Areas

Journal: Journal of the Marine Biological Association of the United Kingdom

Volume: 33

Pages: 69-95

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 107

Author: Bagenal, T. B.

Year: 1955

Title: The growth rate of the long rough dab *Hippoglossoides platessoides* (Fabr)

Journal: Journal of the Marine Biological Association of the United Kingdom

Volume: 34

Pages: 643-647

Notes: a. Held at most marine laboratory libraries

b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 108

Author: Bagenal, T. B.

Year: 1957

Title: The breeding and fecundity of the long rough dab *Hippoglossoides platessoides* (Fabr.) and the associated cycle in condition

Journal: Journal of the Marine Biological Association of the United Kingdom

Volume: 36

Pages: 339-375

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 109

Author: Bagenal, T. B.

Year: 1961

Title: The northern rockling in the Clyde sea area

Journal: Nature

Volume: 189

Pages: 1028-1029

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 110

Author: Bagenal, T. B.

Year: 1961

Title: The long rough dabs of the Clyde sea area

Journal: Journal of the Marine Biological Association of the United Kingdom

Volume: 41

Pages: 49-58

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 111

Author: Bagenal, T. B.

Year: 1965

Title: The fecundity of long rough dabs in the Clyde sea area

Journal: Journal of the Marine Biological Association of the United Kingdom

Volume: 45

Pages: 599-606

Notes: a. Held at most marine laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 112
Author: Bailey, R. S.; Hislop, J. R. G.; Mason, J.
Year: 1979
Title: The fish and shellfish resources in seas adjacent to the Outer Hebrides
Journal: Proceedings of the Royal Society of Edinburgh
Volume: 77B
Pages: 479-494
Notes: a. Held at most marine laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 181
Author: Bailey, R. S.
Year: 1982
Title: The population biology of blue whiting in the North Atlantic
Journal: Advances in Marine Biology
Volume: 19
Pages: 257-355
Alternate Journal: Adv. Mar. Biol.
Notes: a. Held at most marine laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 78
Author: Bailey, N; Howard, FG; Chapman, CJ
Year: 1986
Title: Clyde *Nephrops*: biology and fisheries
Journal: Proceedings of the Royal Society of Edinburgh Section B: Biological Sciences
Volume: 90
Pages: 501-518
Notes: a. Held at most marine biological libraries
b. free
c. 4
d. ICES sub-area VIa

Reference Type: Journal Article
Record Number: 81
Author: Bailey, RS; McKay, DW; Morrison, JA; Walsh, M
Year: 1986
Title: The biology and management of herring and other pelagic fish stocks in the Firth of Clyde
Journal: Proceedings of the Royal Society of Edinburgh Section B - Biological Sciences
Volume: 90

Pages: 407-422

Notes: a. Held at most marine biological libraries

b. free

c. 4

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 182

Author: Bailey, M. C.; Heath, M. R.

Year: 1996

Title: Spatial variability in the growth rates of blue whiting (*Micromesistius poutassou* (Risso)) larvae at the shelf edge west of the U.K.

Journal: ICES CM

Volume: 1996/S:22

Pages: 9p

Notes: a. Held at most fishery laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 183

Author: Bailey, M. C.; Heath, M. R.

Year: 2001

Title: Spatial variability in the growth rate of blue whiting (*Micromesistius poutassou*) larvae at the shelf edge west of the UK

Journal: Fisheries Research

Volume: 50

Issue: 1/2

Pages: 73-87

Notes: a. Held at most fishery laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 113

Author: Bainbridge, V.; Forsyth, D. C. T.

Year: 1971

Title: The feeding of herring larvae in the Clyde

Journal: Rapport et Proces-Verbaux des Reunions du Conseil Permanent International pour l'Exploration de la Mer

Volume: 160

Pages: 104-113

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 114

Author: Bels, V. L.; Davenport, J.

Year: 1996

Title: A comparison of food capture and ingestion of two flatfish species, *Pleuronectes platessa* and *Limanda limanda* (Teleostei: Pleuronectiformes)

Journal: Journal of Fish Biology

Volume: 49

Pages: 390-401

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 82

Author: Bergmann, M; Beare, DJ; Moore, PG

Year: 2001

Title: Damage sustained by epibenthic invertebrates discarded in the Nephrops fishery of the Clyde Sea area, Scotland

Journal: Journal of Sea Research

Volume: 45

Pages: 105-118

Keywords: Demersal fishing, Clyde Sea, Scotland

Notes: a. held at most marine biological libraries

b. free

c. 3

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 84

Author: Bergmann, M; Moore, PG

Year: 2001

Title: Survival of decapod crustaceans discarded in the Nephrops fishery of the Clyde Sea area, Scotland

Journal: ICES Journal of Marine Science

Volume: 58

Pages: 163-171

Keywords: Scotland, by-catch mortality, trawling

Notes: a. held at most marine biological libraries

b. free

c. 3

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 184

Author: Bergstad, O. A.; Isaksen, B.

Year: 1987

Title: Deep-water resources of the northeast Atlantic: distribution, abundance and exploitation

Journal: Fiskeridirektoratets skrifter Serie Havundersokelser

Volume: (3)

Pages: 1-56

Notes: a. Held at most marine laboratory libraries

b. Free

c. 4

d. ICES Sub-area VI + XII

Reference Type: Journal Article
Record Number: 185
Author: Bergstad, O. A.; Hareide, N. R.
Year: 1996
Title: Ling, blue ling and tusk of the north-east Atlantic
Journal: Fisken og havet
Volume: 15
Pages: 126p
Notes: a. Held at most marine laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 186
Author: Blacker, R.W.
Year: 1982
Title: Rockall and its fishery
Journal: Laboratory Leaflet, MAFF Directorate of Fisheries Research, Lowestoft
Volume: 55
Pages: 23 pp
Notes: a. Held at most marine laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 187
Author: Blasdale, T.; Newton, A. W.
Year: 1998
Title: Estimates of discards from two deepwater fleets in the Rockall Trough
Journal: ICES CM
Volume: 1998/O:11
Pages: 18pp
Notes: a. Held at most fishery laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 188
Author: Borodulina, O. D.
Year: 1968
Title: *Argentina silus* in the Atlantic Ocean
Journal: Rapport et Proces-Verbaux des Reunions du Conseil Permanent International pour l'Exploration de la Mer
Volume: 158
Issue: 54-57
Notes: a. Held at most marine laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 85

Author: Boyle, PR; Collins, MA; Williamson, GR

Year: 1998

Title: The cephalopod by-catch of deep-water trawling on the hebrides slope

Journal: Journal of the Marine Biological Association of the United Kingdom

Volume: 78

Pages: 1023-1026

Notes: a. held at most marine biological libraries

b. free

c. 3

d. ICES sub-area VI

Reference Type: Journal Article

Record Number: 189

Author: Bridger, J. P.

Year: 1978

Title: New deep-water trawling grounds to the west of Britain

Journal: Laboratory Leaflet, MAFF Directorate of Fisheries Research, Lowestoft

Volume: 41

Pages: 40pp

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 28

Author: Burrows, MT; Gibson, RN; Robb, L; Comely, CA

Year: 1994

Title: Temporal patterns of movement in juvenile flatfishes and their predators: underwater television observations

Journal: Journal of Experimental Marine Biology and Ecology

Volume: 177

Pages: 251-268

Keywords: *Pleuronectes platessa*, plaice

Notes: a. held at most marine biological libraries

b. free

c. 4

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 64

Author: Burrows, M. T.

Year: 1994

Title: An Optimal Foraging and Migration Model for Juvenile Plaice

Journal: Evolutionary Ecology

Volume: 8

Pages: 125-149

Keywords: *Pleuronectes platessa*, flatfish
Notes: a. held at most marine biological libraries
b. free
c. 3
d. ICES sub-area VIa

Reference Type: Journal Article
Record Number: 58
Author: Burrows, M. T.; Kawai, K.; Hughes, R. N.
Year: 1999
Title: Foraging by mobile predators on a rocky shore: underwater TV observations of movements of blennies *Lipophrys pholis* and crabs *Carcinus maenas*
Journal: Marine Ecology Progress Series
Volume: 187
Pages: 237-250
Keywords: predation, intertidal fishes, prey-selection, pisces
Notes: a. held at most marine biological libraries
b. free
c. 3
d. ICES sub-area VIa

Reference Type: Journal Article
Record Number: 54
Author: Burrows, M. T.; Gontarek, S. J.; Nash, R. D. M.; Gibson, R. N.
Year: 2001
Title: Shrimp predation on 0-group plaice: contrasts between field data and predictions of an individual-based model
Journal: Journal of Sea Research
Volume: 45
Pages: 243-254
Keywords: plaice, predation, *Pleuronectes platessa*, Scottish sandy beach, winter flounder, larval fishes
Notes: a. held at most marine biological libraries
b. free
c. 3
d. ICES sub-area VIa

Reference Type: Journal Article
Record Number: 67
Author: Campbell, D. A.; Kelly, M. S.; Busman, M.; Bolch, C. J.; Wiggins, E.; Moeller, P. D. R.; Morton, S. L.; Hess, P.; Shumway, S. E.
Year: 2001
Title: Amnesic shellfish poisoning in the king scallop, *Pecten maximus*, from the west coast of Scotland
Journal: Journal of Shellfish Research
Volume: 20
Pages: 75-84
Keywords: amnesic shellfish poisoning, *Pecten maximus*, scallop fishery
Notes: a. held at most marine biological libraries
b. free
c. 3
d. ICES sub-area VIa

Reference Type: Book Section

Record Number: 115
Author: Carss, D. N.
Year: 1996
Title: Interactions between aquaculture and sea loch fish assemblages
Editor: Black, K. D.
Book Title: Aquaculture and sea lochs
City: Oban
Publisher: Scottish Association for Marine Science
Pages: 27-32
Notes: a. Held at most marine laboratory libraries
b. Free
c. 4
d. ICES Sub-area VI

Reference Type: Report
Record Number: 190
Author: Charuau, A.; Dupouy, H.; Lorance, P.
Year: 1992
Title: Estimation de parametres biologiques de l'empereur et du grenadier
Report Number: Rapport CEE DGXIV 1992/12
Notes: a. IFREMER
b.
c. 3
d. ICES Sub-area VI

Reference Type: Book Section
Record Number: 191
Author: Charuau, A.; Dupouy, H.; Lorance, P.
Year: 1995
Title: French exploitation of the deep-water fisheries of the North Atlantic
Editor: Hopper, A.G.
Book Title: Deep-water Fisheries of the North Atlantic Oceanic Slope
City: Netherlands
Publisher: Kluwer Academic Publishers
Pages: 337-356
Notes: a. Held at most marine laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 192
Author: Clarke, M. W.
Year: 2000
Title: Records of deep water chondrichthyan fish caught on long-line in the Rockall Trough
Journal: Journal of the Marine Biological Association of the United Kingdom
Volume: 80
Pages: 337-378
Notes: a. Held at most marine laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 193

Author: Clarke, M. W.; Connolly, C. J.; Bracken, J. J.

Year: 2001

Title: Biology of exploited deep-water sharks west of Ireland and Scotland

Journal: NAFO SCR Doc.

Volume: 01/108

Issue: N4496

Pages: 18pp

Notes: a. www.nafo.ca.

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 194

Author: Clarke, M. W.; Connolly, P. L.; Bracken, J. J.

Year: 2001

Title: Aspects of reproduction of the deep water sharks *Centroscymnus coelolepis* and *Centroscymnus squamosus* from west of Ireland and Scotland

Journal: Journal of the Marine Biological Association of the United Kingdom

Volume: 81

Pages: 1019-1029

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 195

Author: Clarke, M. W.; Kelly, C. J.; Connolly, P. L.; Molloy, J. P.

Year: 2001

Title: Life history strategies of deepwater fish species and implications for management of the fishery

Journal: ICES CM

Volume: 2001 J:11

Pages: 12pp

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 196

Author: Clarke, M.W.; Connolly, P.L.; Bracken, J.J.

Year: 2002

Title: Age estimation of the exploited deepwater shark *Centrophorus squamosus* from the continental slopes of the Rockall Trough and Porcupine Bank

Journal: Journal of Fish Biology

Volume: 60

Pages: 501-514

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 197
Author: Coggan, R. A.; Gordon, J. D. M.; Merrett, N. R.
Year: 1998
Title: Abundance distribution reproduction and diet of notacanthid fishes from the north-east Atlantic
Journal: Journal of Fish Biology
Volume: 52
Pages: 1038-1057
Notes: a. Held at most marine laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 198
Author: Coggan, R. A.; Gordon, J. D. M.; Merrett, N. R.
Year: 1999
Title: Aspects of the biology of *Nezumia aequalis* from the continental slope west of the British Isles
Journal: Journal of Fish Biology
Volume: 54
Pages: 152-170
Notes: a. Held at most marine laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 71
Author: Collins, M. A.; Pierce, G. J.; Boyle, P. R.
Year: 1997
Title: Population indices of reproduction and recruitment in *Loligo forbesi* (Cephalopoda: Loliginidae) in Scottish and Irish waters
Journal: Journal of Applied Ecology
Volume: 34
Pages: 778-786
Keywords: population biology, stock assessment, squid fishery
Notes: a. held at most marine biological libraries
b. free
c. 4
d. ICES sub-area VIa

Reference Type: Journal Article
Record Number: 199
Author: Connolly, P. J.; Kelly, C. J.
Year: 1996
Title: Catch and discards from experimental trawl and longline fishing in the deep water of the Rockall Trough

Journal: Journal of Fish Biology
Volume: 49 Supplement A
Pages: 132-144
Notes: a. Held at most marine laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 200
Author: Coombs, S. H.; Pipe, R. K.
Year: 1978
Title: The distribution, abundance and seasonal occurrence of the eggs and larvae of blue whiting, *Micromesistius poutassou* (Risso), in the eastern North Atlantic
Journal: ICES CM
Volume: 1978/H:45
Pages: 9
Notes: a. Held at most fishery laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Thesis
Record Number: 116
Author: Cooper, A.
Year: 1979
Title: Aspects of the ecology of gadoid fish of the west coast of Scotland
University: University of Stirling
Number of Pages: 162pp
Thesis Type: PhD
Notes: a. SAMS and Stirling University libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Book Section
Record Number: 117
Author: Cooper, A.
Year: 1980
Title: Gadoid populations of western Scottish sea lochs and their exchanges with west coast stocks
Editor: Freeland, H. J.; Farmer, D. M.; Levings, C. D.
Book Title: Fjord Oceanography
City: New York and London
Publisher: Plenum Press
Notes: a. Held at most marine laboratory libraries
b. Free
c. 4
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 118
Author: Cooper, A.

Year: 1983

Title: The reproductive biology of poor-cod, *Trisopterus minutus* L., whiting, *Merlangius merlangus* L., and Norway pout, *Trisopterus esmarkii* Nilsson, off the west coast of Scotland

Journal: Journal of Fish Biology

Volume: 22

Pages: 317-334

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Report

Record Number: 80

Author: Coull, KA; Johnstone, R; Rogers, SI

Year: 1998

Title: Fisheries sensitivity maps in British waters

Institution: UKOOA

Notes: a. <http://www.cefas.co.uk/fsmaps/default.htm>

b. free

c. 4

d. UK continental shelf

Reference Type: Journal Article

Record Number: 65

Author: Crozier, W. W.

Year: 1987

Title: Biochemical Genetic-Variation and Population-Structure in Angler-Fish *Lophius Piscatorius* L from the Irish Sea and West of Scotland

Journal: Journal of Experimental Marine Biology and Ecology

Volume: 106

Pages: 125-136

Notes: a. held at most marine biological libraries

b. free

c. 4

d. ICES sub-area VIa and VIIa

Reference Type: Journal Article

Record Number: 119

Author: De Silva, S. S.

Year: 1973

Title: Abundance, structure, growth and origin of inshore Clupeid populations of the west coast of Scotland

Journal: Journal of Experimental Marine Biology and Ecology

Volume: 12

Pages: 119-144

Notes: a. Held at most marine laboratory libraries

b. Free

c. 4

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 120

Author: De Silva, S. S.

Year: 1973

Title: Aspects of the reproductive biology of the sprat *Sprattus sprattus* (L.) in inshore waters of the west coast of Scotland

Journal: Journal of Fish Biology

Volume: 5

Pages: 689-705

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 121

Author: De Silva, S. S.

Year: 1973

Title: Food and feeding habits of the herring *Clupea harengus* and the sprat *C. sprattus* in inshore waters of the west coast of Scotland

Journal: Marine Biology

Volume: 20

Pages: 282-290

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Thesis

Record Number: 122

Author: De Silva, S. S.

Year: 1973

Title: Clupeid populations of inshore waters of the west coast of Scotland

University: University of Stirling

Number of Pages: 121 pp + appendices

Thesis Type: PhD

Notes: a. SAMS and Stirling University libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 201

Author: du Buit, M. H.

Year: 1978

Title: Alimentation de quelques poissons téléostéens de profondeur dans la zone du seuil de Wyville Thomson

Journal: Oceanologica Acta

Volume: 1

Issue: 129-134

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 202

Author: du Buit, M. H.

Year: 1984

Title: Predation de la Cardine (*Lepidorhombus whiffiagonis* W.) au nord et a l'ouest de l'Ecosse.

Journal: Journal du Conseil

Volume: 41

Pages: 194-198

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 123

Author: du Buit, M. H.

Year: 1989

Title: Analyse du regime alimentaire de la morhue (*Gadus morhua* L.) au large de l'ecosse

Journal: Annales de l'Institut Oceanographique, Paris (Nouvelle Série)

Volume: 65

Pages: 147-158

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 203

Author: Du Buit, M. H.

Year: 1995

Title: Notes préliminaires sur la ponte de l'hoplostèthe (*Hoplostethus atlanticus*, Trachichthyidae) a l'ouest des Iles Britanniques

Journal: Cybium

Volume: 19(2)

Pages: 199-200

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 46

Author: Du Buit, MH

Year: 1991

Title: Food and Feeding of saithe (*Pollachius virens* L.) off Scotland

Journal: Fisheries Research

Volume: 12

Pages: 307-323

Notes: a. held at most marine biological libraries

b. free

c. 3

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 204

Author: Dupouy, H.; Kergoat, B.

Year: 1992

Title: La pecherie de grenadier de roche (*Coryphaenoides rupestris*) de l'ouest de L'Ecosse: production, mortalite par peche et rendement par recrue

Journal: ICES CM

Volume: 1992/G:40

Pages: 9pp

Notes: a. Held at most fishery laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 205

Author: Durán Muñoz, P; Román, E; González, F

Year: 2000

Title: Results of a deep-water experimental fishing in the North Atlantic: an example of cooperative research with the fishing industry

Journal: ICES CM

Volume: 2000/W:04

Pages: 1-15

Notes: a. Held at most fishery laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 206

Author: Durán Muñoz, P; Román Marcote, E

Year: 2000

Title: Spanish experimental fishings: a cooperative research initiative between scientifics and the local fishing industry

Journal: ICES CM

Volume: 2000/W:03

Pages: 1-18

Notes: a. Held at most fishery laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI + XII

Reference Type: Journal Article

Record Number: 207

Author: Durán Muñoz, P.; Román Marcote, E.

Year: 2001

Title: The Spanish multi-species deep-sea fishery on Hatton Bank (north east Atlantic): 1996-2000

Journal: NAFO SCR Doc.

Volume: 01/120

Issue: N4508

Pages: 20pp

Notes: a. www.nafo.ca.

- b. Free
- c. 4
- d. ICES Sub-area VI + XII

Reference Type: Journal Article

Record Number: 208

Author: Durán Muñoz, P; Loureiro, I.; Roman, E.

Year: 2002

Title: Update available data on the Spanish multi-species deep-sea bottom trawl fishery at Hatton Bank (2000-2001)

Journal: ICES Working Document (WG DEEP)

Pages: 9 pg

Notes: a. ICES

b.

c. 4

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 30

Author: Edwards, RCC; Steele, JH

Year: 1968

Title: The ecology of 0-group plaice and common dabs at Lochewe. I. Population and food

Journal: Journal of Experimental Marine Biology and Ecology

Volume: 2

Pages: 215-238

Notes: a. held at most marine biological libraries

b. free

c. 4

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 209

Author: Ehrich, S.

Year: 1983

Title: On the occurrence of some fish species at the slopes of the Rockall Trough.

Journal: Archiv für Fischereiwissenschaft

Volume: 33

Issue: 3

Pages: 105-150

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 210

Author: Ehrich, S.

Year: 1983

Title: Stock assessments of haddock, blue whiting and greater silver smelt on Rockall Bank

Journal: ICES CM

Volume: C.M. 1983/G:29

Notes: a. Held at most fishery laboratory libraries

- b. Free
- c. 4
- d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 211

Author: Ehrich, S.; Schone, R.

Year: 1983

Title: Gonad maturation and spawning of blue whiting (*Micromesistius poutassou*) in the Rockall Trough area

Journal: ICES CM

Volume: 1983/H:8

Pages: 15 pp

Notes: a. Held at most fishery laboratory libraries

b. Free

c. 4

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 212

Author: Ehrich, S.; Reinsch, H. H.

Year: 1985

Title: Bestandskundliche Untersuchungen am Blauleng (*Molva dypterygia dypt.*) in den Gewässern westlich der Britischen Inseln

Journal: Archiv für Fischereiwissenschaft

Volume: 36, no.1-2

Pages: 97-113

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 29

Author: Ellis, T; RN, Gibson

Year: 1995

Title: Size-selective predation of 0-group plaice (*Pleuronectes platessa*) on a Scottish coastal nursery ground

Journal: Marine Ecology Progress Series

Volume: 127

Pages: 27-37

Keywords: *Pleuronectes platessa*, *Limanda limanda*, density dependent mortality

Notes: a. held at most marine biological libraries

b. free

c. 4

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 124

Author: Elmhirst, R.

Year: 1926

Title: Notes on fishes from the Firth of Clyde

Journal: Scottish Naturalist
Volume: 161
Pages: 151-158
Notes: a. Held at most marine laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 125
Author: Elmhirst, R.
Year: 1926
Title: Notes on fishes from the Firth of Clyde
Journal: Scottish Naturalist
Volume: 162
Pages: 179-186
Notes: a. Held at most marine laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 303
Author: Field, RH; Hills, JM; Atkinson, RJA; Magill, SH; Shanks, AM
Year: 1998
Title: Distributon and seasonal prevalence of *Haematodinium* sp. infection of the Norway lobster (*Nephrops norvegicus*) around the west coast of Scotland
Journal: ICES Journal of Marine Science
Volume: 55
Pages: 846-858
Notes: a. held at most marine biological libraries
b. free
c. 4
d. ICES sub-area VIa

Reference Type: Journal Article
Record Number: 51
Author: Fogarty, MJ; Myers, RA; Bowen, KG
Year: 2001
Title: Recruitment of cod and haddock in the North Atlantic: a comparative analysis
Journal: ICES Journal of Marine Science
Volume: 58
Pages: 952-961
Keywords: marine demersal fish, *Gadus morhua*, *Melanogrammus aeglefinus*
Notes: a. held at most marine biological libraries
b. free
c. 4
d. ICES sub-area VIa

Reference Type: Journal Article
Record Number: 213
Author: Geistdoerfer, P.

Year: 1977

Title: Contribution à la biologie de *Coryphaenoides rupestri*. Répartition et reproduction dans l'Atlantique nord est

Journal: ICES CM

Volume: C.M. 1977/F:45

Pages: 11pp

Notes: a. Held at most fishery laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 214

Author: Geistdoerfer, P.

Year: 1982

Title: L'exploitation commerciale des poissons de grande profondeur dans l'Atlantique Nord

Journal: Oceanis

Volume: 8

Issue: 1

Pages: 29-55

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 127

Author: Gibson, R. N.

Year: 1969

Title: The biology and behaviour of Littoral fish

Journal: Oceanography and Marine Biology: an Annual Review

Volume: 7

Pages: 367-410

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 128

Author: Gibson, R. N.

Year: 1973

Title: The intertidal movements and distribution of young fish on a sandy beach with special reference to the plaice (*Pleuronectes platessa* L.)

Journal: Journal of Experimental Marine Biology and Ecology

Volume: 12

Pages: 79-102

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 130
Author: Gibson, R. N.; Ezzi, I. A.
Year: 1978
Title: The biology of a Scottish population of Fries' goby, *Lesueurigobius friesii*
Journal: Journal of Fish Biology
Volume: 12
Pages: 371-389
Notes: a. Held at most marine laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 131
Author: Gibson, R. N.; Ezzi, I. A.
Year: 1979
Title: Aspects of the biology of the spotted dragonet *Callionymus maculatus* Rafinesque-Schmaltz from the west coast of Scotland
Journal: Journal of Fish Biology
Volume: 15
Pages: 555-569
Notes: a. Held at most marine laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 36
Author: Gibson, RN; Gibson, IA
Year: 1980
Title: The biology of the scald-fish *Arnoglossus laterna* (Walbaum) on the west coast of Scotland
Journal: Journal of Fish Biology
Volume: 17
Pages: 565-575
Notes: a. held at most marine biological libraries
b. free
c. 3
d. ICES sub-area VIa

Reference Type: Journal Article
Record Number: 37
Author: Gibson, RN; Ezzi, IA
Year: 1981
Title: The biology of the Norway goby, *Pomatoschistus norvegicus* (Collett) on the west coast of Scotland
Journal: Journal of Fish Biology
Volume: 19
Pages: 697-714
Notes: a. held at most marine biological libraries
b. free
c. 3
d. ICES sub-area VIa

Reference Type: Journal Article
Record Number: 23
Author: Gibson, R N; Ezzi, I A
Year: 1987
Title: Feeding relationships of a demersal fish assemblage on the west coast of Scotland
Journal: Journal of Fish Biology
Volume: 31
Pages: 55-69
Notes: a. held at most marine biological libraries
b. free
c. 3
d. ICES sub-area VIa

Reference Type: Journal Article
Record Number: 22
Author: Gibson, R N; Ansell, A D; Robb, L
Year: 1993
Title: Seasonal and annual variations in abundance and species composition of fish and macrocrustacean communities on a Scottish sandy beach.
Journal: Marine Ecology Progress Series
Volume: 98
Pages: 89-105
Notes: a. held at most marine biological libraries
b. free
c. 4
d. ICES sub-area VIa

Reference Type: Journal Article
Record Number: 129
Author: Gibson, R. N.
Year: 1994
Title: Impact of habitat quality and quantity on the recruitment of juvenile flatfishes
Journal: Netherlands Journal of Sea Research
Volume: 32
Pages: 191-206
Notes: a. Held at most marine laboratory libraries
b. Free
c. 4
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 31
Author: Gibson, RN; Robb, L; Burrows, MT; Ansell, AD
Year: 1995
Title: Tidal, diel and seasonal changes in the distribution of fishes on a Scottish sandy beach
Journal: Marine Ecology Progress Series
Volume: 130
Pages: 1-17
Call Number: fishes, sandy beach
Notes: a. held at most marine biological libraries
b. free
c. 4

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 132

Author: Gibson, R. N.; Robb, L.

Year: 1996

Title: Piscine predation on juvenile fishes on a Scottish sandy beach

Journal: Journal of Fish Biology

Volume: 49

Pages: 120-138

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 135

Author: Gibson, R. N.; Robb, L.; Burrows, M. T.; Ansell, A. D.

Year: 1996

Title: Tidal, diel and longer term changes in the distribution of fishes on a Scottish sandy beach

Journal: Marine Ecology Progress Series

Volume: 130

Pages: 1-17

Notes: a. Held at most marine laboratory libraries

b. Free

c. 4

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 133

Author: Gibson, R. N.; Robb, L.

Year: 1997

Title: Occurrence of juvenile red mullet (*Mullus surmuletus*) on the west coast of Scotland

Journal: Journal of the Marine Biological Association of the United Kingdom

Volume: 77

Pages: 911-912

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 126

Author: Gibson, R.

Year: 1999

Title: The ecology of the early life stages of the plaice, *Pleuronectes platessa* L. : a review

Journal: Bulletin of the Tohoku National Fisheries Research Institute. Shiogama

Volume: 62

Pages: 17-50

Notes: a. Held at most marine laboratory libraries

b. Free

c. 4

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 134

Author: Gibson, R. N.; Robb, L.

Year: 2000

Title: Sediment selection in juvenile plaice and its behavioural basis

Journal: Journal of Fish Biology

Volume: 56

Pages: 1258-1275

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 215

Author: Girard, M.; Du Buit, M.-H.

Year: 1999

Title: Reproductive biology of two deep-water sharks from the British Isles, *Centroscyrmus coelolepis* and *Centrophorus squamosus* (Chondrichthyes: Squalidae)

Journal: Journal of the Marine Biological Association of the United Kingdom

Volume: 79

Pages: 923-931

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 216

Author: Girard, M.; Lorance, P.; Biseau, A.

Year: 2000

Title: Captures par unité d'effort des espèces profondes du talus continental à l'ouest des Îles Britannique

Journal: Cybium

Volume: 24

Issue: (3) Suppl

Pages: 97-104

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 217

Author: Gjosaeter, J.

Year: 1986

Title: Estimates of the abundance of mesopelagic fish off southern Norway and west of the British Isles 1971-1976

Journal: Flødevigen rapportser

Volume: 1
Pages: 1-47
Notes: a. IMR Norway
b. Free
c. 4
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 218
Author: Glukhov, A. A.; Pavlov, A. I.; Shibarov, V. N.
Year: 1983
Title: Some features of the ecology of deepwater fishes from the Hatton Plateau and George Bligh Bank
Journal: Annales Biologiques
Volume: 37
Pages: 271-273
Alternate Journal: .
Notes: a. Held at most marine laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 38
Author: Gordon, JDM
Year: 1977
Title: The fish populations in inshore waters of the west coast of Scotland. The biology of the Norway pout (*Trisopterus esmarkii*)
Journal: Journal of Fish Biology
Volume: 10
Pages: 417-430
Notes: a. held at most marine biological libraries
b. free
c. 3
d. ICES sub-area VIa

Reference Type: Journal Article
Record Number: 39
Author: Gordon, JDM
Year: 1977
Title: The fish populations in inshore waters of the west coast of Scotland. The distribution, abundance and growth of whiting (*Merlangius merlangus* L.)
Journal: Journal Of Fish Biology
Volume: 10
Pages: 587-596
Notes: a. held at most marine biological libraries
b. free
c. 3
d. ICES sub-area VIa

Reference Type: Journal Article
Record Number: 136
Author: Gordon, J. D. M.

Year: 1977

Title: The fish populations of inshore waters of the west coast of Scotland. The unusual occurrence of the blue whiting (*Micromesistius poutassou*) and notes on its biology

Journal: Journal of Fish Biology

Volume: 11

Pages: 121-124

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 137

Author: Gordon, J. D. M.

Year: 1977

Title: The fish populations in inshore waters of the west of Scotland. The biology of the Norway Pout (*Trisopterus esmarkii*)

Journal: Journal of Fish Biology

Volume: 10

Pages: 417-430

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 139

Author: Gordon, J. D. M.

Year: 1977

Title: The fish populations in inshore waters of the west coast of Scotland. The food and feeding of the whiting (*Merlangius merlangus* L.)

Journal: Journal of Fish Biology

Volume: 11

Pages: 513-529

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 219

Author: Gordon, J. D. M.

Year: 1978

Title: Some notes on the biology of the roundnose grenadier *Coryphaenoides rupestris* to the west of Scotland

Journal: ICES CM

Volume: 1978/G:40

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 142

Author: Gordon, J. D. M.; Duncan, J. A. R.

Year: 1979

Title: Some notes on the biology of the snake blenny, *Lumpenus lampretaeformis* on the west coast of Scotland.

Journal: Journal of the Marine Biological Association of the United Kingdom

Volume: 59

Pages: 413-419

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 220

Author: Gordon, J. D. M.

Year: 1979

Title: The depth distribution of roundnose grenadier (*Coryphaenoides rupestris* Gunnerus) on the west of Scotland slope

Journal: Annales Biologiques

Volume: 34

Pages: 225-226

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Book Section

Record Number: 221

Author: Gordon, J. D. M.

Year: 1979

Title: Seasonal reproduction in deep-sea fish

Editor: Naylor, E.; Hartnoll, R. G.

Book Title: Cyclic phenomena in marine plants and animals

City: Oxford

Publisher: Pergamon Press

Pages: 223-229

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 222

Author: Gordon, J. D. M.

Year: 1979

Title: Lifestyle and phenology in deep sea anacanthine teleosts

Journal: Symposia of the Zoological Society of London

Volume: 44

Pages: 327-359

Alternate Journal: Sym. Zool. Soc. Lond.

Notes: a. Held at most marine laboratory libraries

- b. Free
- c. 3
- d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 40
Author: Gordon, JDM; Silva, SS de
Year: 1980
Title: The fish populations of the west of Scotland Shelf. Part I
Journal: Oceanography and Marine Biology Annual Review
Volume: 18
Pages: 317-366
Notes: a. held at most marine biological libraries
b. free
c. 4
d. ICES sub-area VIa

Reference Type: Journal Article
Record Number: 223
Author: Gordon, J. D. M.
Year: 1980
Title: Records of blue whiting (*Micromesistius poutassou* Risso) from bottom trawls in the Rockall Channel
Journal: Annales Biologiques
Volume: 35
Pages: 161-162
Notes: a. Held at most marine laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 41
Author: Gordon, JDM; Silva, SS de
Year: 1981
Title: The fish populations of the west of Scotland Shelf. Part II
Journal: Oceanography and Marine Biology Annual Review
Volume: 19
Pages: 405-441
Notes: a. held at most marine biological libraries
b. free
c. 4
d. ICES sub-area VIa

Reference Type: Journal Article
Record Number: 45
Author: Gordon, JCD
Year: 1983
Title: Some notes on small kelp forest fish collected from *Saccorhiza polyschides* bulbs on the Isle of Cumbrae
Journal: Ophelia
Volume: 22

Pages: 173-183

Notes: a. held at most marine biological libraries

b. free

c. 3

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 143

Author: Gordon, J. D. M. ; Duncan, J. A. R.

Year: 1983

Title: A survey of the fish stocks of the west coast of Scotland sea lochs and adjacent inshore waters using a bottom trawl. 1. Introduction and Loch Spelve

Journal: S.M.B.A. Internal Report

Volume: 90

Pages: 21pp

Notes: a. SAMS library

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 144

Author: Gordon, J. D. M. ; Duncan, J. A. R.

Year: 1983

Title: A survey of the fish stocks of the west coast of Scotland sea lochs and adjacent inshore waters using a bottom trawl. 2. Loch Etive; Airds Bay and the upper basin

Journal: S.M.B.A. Internal Report

Volume: 100

Pages: 22pp

Notes: a. SAMS library

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 145

Author: Gordon, J. D. M. ; Duncan, J. A. R.

Year: 1984

Title: A survey of the fish stocks of the west coast of Scotland sea lochs and adjacent inshore waters using a bottom trawl. 3. The Firth of Lorne

Journal: S.M.B.A. Internal Report

Volume: 105

Pages: 52pp

Notes: a. SAMS library

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 146

Author: Gordon, J. D. M. ; Duncan, J. A. R.

Year: 1984

Title: A survey of the fish stocks of the west coast of Scotland sea lochs and adjacent inshore waters using a bottom trawl. 4. Loch Linnhe
Journal: S.M.B.A. Internal Report
Volume: 115
Pages: 45pp
Notes: a.
SAMS library
b. Free
c. 5
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 147
Author: Gordon, J. D. M. G.; Duncan, J. A. R.
Year: 1984
Title: A survey of the fish stocks of the west coast of Scotland sea lochs and adjacent inshore waters using a bottom trawl. 5. Loch Sunart and Bloody Bay
Journal: S.M.B.A. Internal Report
Volume: 116
Pages: 39pp
Notes: a. SAMS library
b. Free
c. 4
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 224
Author: Gordon, J. D. M.; Duncan, J. A. R.
Year: 1985
Title: The ecology of the deep-sea benthic and benthopelagic fish on the slopes of the Rockall Trough, northeastern Atlantic
Journal: Progress in Oceanography
Volume: 15
Pages: 37-69
Notes: a. Held at most marine laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 225
Author: Gordon, J. D. M.; Duncan, J. A. R.
Year: 1985
Title: The biology of fish of the family Moridae in the deep-water of the Rockall Trough
Journal: Journal of the Marine Biological Association of the United Kingdom
Volume: 65
Pages: 475-485
Notes: a. Held at most marine laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 226
Author: Gordon, J. D. M.
Year: 1986
Title: The fish populations of the Rockall Trough
Journal: Proceedings of the Royal Society of Edinburgh
Volume: 88B
Pages: 191-204
Notes: a. Held at most marine laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 227
Author: Gordon, J. D. M.; Duncan, J. A. R.
Year: 1987
Title: Deep-sea bottom-living fishes at two repeat stations at 2200 and 2900 m in the Rockall Trough, northeastern Atlantic Ocean
Journal: Marine Biology
Volume: 96
Issue: 3
Pages: 309-325
Notes: a. Held at most marine laboratory libraries
b. Free
c. 4
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 228
Author: Gordon, J. D. M.; Duncan, J. A. R.
Year: 1987
Title: Aspects of the biology of *Hoplostethus atlanticus* and *H. mediterraneus* (Pisces: Berycomorphi) from the slopes of the Rockall Trough and the Porcupine Sea Bight (North-Eastern Atlantic)
Journal: Journal of the Marine Biological Association of the United Kingdom
Volume: 67
Pages: 119-133
Notes: a. Held at most marine laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 229
Author: Gordon, J. D. M.; Duncan, J. A. R.
Year: 1989
Title: A note on the distribution and diet of deep-water rays (Rajidae) in an area of the Rockall Trough
Journal: Journal of the Marine Biological Association of the United Kingdom
Volume: 69
Pages: 655-658
Notes: a. Held at most marine laboratory libraries
b. Free
c. 4

d. ICES Sub-area VI

Reference Type: Book Section

Record Number: 230

Author: Gordon, J. D. M.; Mauchline, J.

Year: 1990

Title: Depth-related trends in diet of a deep-sea bottom-living fish assemblage of the Rockall Trough. Proceedings of the 24th European Marine Biology Symposium

Editor: Barnes, M.; Gibson, R. N.

Book Title: Trophic Relationships in the Marine Environment.

City: Aberdeen

Publisher: Aberdeen University Press

Pages: 439-452

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 231

Author: Gordon, J. D. M.; Swan, S. C.

Year: 1993

Title: Biological parameters of deep-water fish species

Journal: EC Report

Volume: DG XIV/C/1, 1992/10

Pages: 122pp + appendices

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Book Section

Record Number: 232

Author: Gordon, J. D. M.; Merrett, N. R.; Haedrich, R. L.

Year: 1995

Title: Environmental and biological aspects of slope-dwelling fishes of the North Atlantic

Editor: Hopper, A. G.

Book Title: Deep-water Fisheries of the North Atlantic Oceanic Slope

City: The Netherlands

Publisher: Kluwer Academic Publishers

Pages: 1-26

Notes: a. Held at most marine laboratory libraries

b. Free

c. 4

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 233

Author: Gordon, J. D. M.; Mauchline, J.

Year: 1996

Title: The distribution and diet of the dominant, slope dwelling eel, *Synaphobranchus kaupi*, of the Rockall Trough

Journal: Journal of the Marine Biological Association of the United Kingdom

Volume: 76

Pages: 493-503

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 234

Author: Gordon, J. D. M.; Merrett, N. R.; Bergstad, O. A.; Swan, S. C.

Year: 1996

Title: A comparison of the deep-water demersal fish assemblages of the Rockall Trough and Porcupine Seabight, eastern North Atlantic: continental slope to rise

Journal: Journal of Fish Biology

Volume: 49 Supplement A

Pages: 217-238

Notes: a. Held at most marine laboratory libraries

b. Free

c. 4

d. ICES Sub-area VI + VII

Reference Type: Journal Article

Record Number: 235

Author: Gordon, J. D. M.; Swan, S. C.

Year: 1996

Title: Validation of age readings from otoliths of juvenile roundnose grenadier, *Coryphaenoides rupestris*, a deep-water macrourid fish

Journal: Journal of Fish Biology

Volume: 49 Supplement A

Pages: 289-297

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 236

Author: Gordon, J. D. M.; Swan, S. C.

Year: 1997

Title: The distribution and abundance of deep-water sharks on the continental slope to the west of the British Isles

Journal: ICES CM

Volume: 1997/BB:11

Pages: 23pp

Notes: a. Held at most fishery laboratory libraries

b. Free

c. 4

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 237

Author: Gordon, J. D. M.; Swan, S. C.
Year: 1997
Title: Deep-water demersal fishes: data for assessment and biological analysis
Journal: EC Report (Final)
Volume: EC DGXIV/C1 94/017
Pages: 208pp
Notes: a. SAMS
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Book Section
Record Number: 238
Author: Gordon, J. D. M
Year: 1999
Title: Management considerations of deep-water shark fisheries
Editor: Shotton, R
Book Title: Case studies of the management of elasmobranch fisheries
Volume: No. 378
Pages: 774 - 818
Series Title: FAO Fisheries Technical Paper
Notes: a. Held at most fishery laboratory libraries
b. Free
c. 4
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 239
Author: Gordon, J. D. M.
Year: 2001
Title: Deep-water fisheries at the Atlantic Frontier
Journal: Continental Shelf Research
Volume: 21
Pages: 987-1003
Notes: a. Held at most marine laboratory libraries
b. Free
c. 4
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 240
Author: Gordon, J.D.M.
Year: 2001
Title: The Rockall Trough, North East Atlantic: an account of the change from one of the best studied deep-water ecosystems to one that is being subjected to unsustainable fishing activity.
Journal: NAFO SCR DOC.
Volume: 01/101
Issue: Serial No. N4489
Pages: 30pp
Notes: a. www.nafo.ca
b. Free
c. 4
d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 241

Author: Gordon, J. D. M.; Bergstad, O. A.; Figueiredo, I.; Menezes, G.

Year: 2001

Title: The deep-water fisheries of the ICES area

Journal: NAFO SCR DOC.

Volume: 01/92

Issue: Serial No. N4480

Pages: 16 pp

Notes: a. www.nafo.ca

b. Free

c. 4

d. ICES Sub-area VI + XII

Reference Type: Journal Article

Record Number: 242

Author: Haedrich, R. L.; Merrett, N. R.

Year: 1988

Title: Summary atlas of deep-living demersal fishes in the North Atlantic Basin

Journal: Journal of Natural History

Volume: 22

Pages: 1325-1362

Notes: a. Held at most marine laboratory libraries

b. Free

c. 4

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 20

Author: Hall, SJ; Raffaelli, D; Basford, DJ; Robertson, MR; Fryer, R

Year: 1990

Title: The feeding relationships of the larger fish species in a Scottish sea loch

Journal: Journal of Fish Biology

Volume: 37

Pages: 775-791

Keywords: diet breadth, diet overlap, periodicities

Notes: a. held at most marine biological libraries

b. free

c. 4

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 87

Author: Hall-Spencer, JM; Moore, PG

Year: 2000

Title: Scallop dredging has profound, long-term impacts on maerl habitats

Journal: ICES Journal of Marine Science

Volume: 57

Pages: 1407-1415

Keywords: scallop dredging, ecosystem effects
Notes: a. held at most marine biological libraries
b. free
c. 3
d. ICES sub-area VIa

Reference Type: Journal Article
Record Number: 148
Author: Halliday, R. G.
Year: 1969
Title: Distribution and regional variation of *Argentina sphyraena* (Pisces:Isospondyli)
Journal: Journal of the Marine Biological Association of the United Kingdom
Volume: 49
Pages: 189-208
Notes: a. Held at most marine laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 149
Author: Halliday, R. G.
Year: 1969
Title: Rare fishes from the Clyde sea area
Journal: Journal of Natural History
Volume: 9
Pages: 309-320
Notes: a. Held at most marine laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Book Section
Record Number: 43
Author: Hawkins, AD; Urquhart, GG; Smith, GW
Year: 1980
Title: Ultrasonic tracking of juvenile cod by means of a large spaces hydrophonic array
Editor: Jr, JC Amlaner; MacDonald, DW
Book Title: A Handbook of biotelemetry and radio tracking
City: Oxford
Publisher: Pergamon Press
Pages: 461-470
Notes: a. available from most marine biological libraries
b. free
c. 3
d. ICES sub-area VIa

Reference Type: Journal Article
Record Number: 42
Author: Hawkins, A D; Soofiani, N M; Smith, G W
Year: 1985
Title: Growth and feeding of juvenile cod (*Gadus morhua* L.)

Journal: Journal du Conseil International pour L'Exploration de la Mer

Volume: 42

Pages: 11-32

Notes: a. held at most marine biological libraries

b. free

c. 4

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 243

Author: Heessen, H. J. L.; Kuitert, C. J.

Year: 1991

Title: Some observations on greater argentine (*Argentina silus*) from samples collected in 1990 during an experimental fishery

Journal: ICES CM

Volume: 1991/H:58

Pages: 13pp

Notes: a. Held at most fishery laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 244

Author: Hickling, C. F.

Year: 1928

Title: The exploratory voyages of the 'Florence Brierley'. Notes on the fish recorded

Journal: Annals and Magazine of Natural History

Volume: ser.10, 2(8) 33

Pages: 196-209

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 70

Author: Hill, A. E.; Horsburgh, K. J.; Garvine, R. W.; Gillibrand, P. A.; Slesser, G.; Turrell, W. R.; Adams, R. D.

Year: 1997

Title: Observations of a density-driven recirculation of the Scottish coastal current in the Minch

Journal: Estuarine Coastal and Shelf Science

Volume: 45

Pages: 473-484

Keywords: Norway lobsters, Scottish coastal current, Minch, Scotland, west coast, Hebrides

Notes: a. held at most marine biological libraries

b. free

c. 4

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 151

Author: Hislop, J. R. G.; Hall, W. B.

Year: 1974

Title: The fecundity of whiting, *Merlangius merlangus* (L.) in the N. Sea, the Minch and at Iceland

Journal: Journal du Conseil

Volume: 36

Pages: 42-49

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 150

Author: Hislop, J. R. G.

Year: 1986

Title: The demersal fishery in the Clyde Sea Area

Journal: Proceedings of the Royal Society of Edinburgh

Volume: 90B

Pages: 423-437

Notes: a. Held at most marine laboratory libraries

b. Free

c. 4

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 245

Author: Hislop, J. R. G.; Holst, J. C.; Skagen, D.

Year: 2000

Title: Near-surface captures of post-juvenile anglerfish in the North-east Atlantic - an unsolved mystery

Journal: Journal of Fish Biology

Volume: 57

Pages: 1083-1087

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 246

Author: Hislop, J. R. G.; Gallego, A.; Heath, M. R.; Kennedy, F. M.; Reeves, S. A.; Wright, P. J.

Year: 2001

Title: A synthesis of the early life history of the anglerfish, *Lophius piscatorius* (Linnaeus, 1758) in northern British waters

Journal: ICES Journal of Marine Science

Volume: 58

Pages: 70-86

Notes: a. Held at most marine laboratory libraries

b. Free

c. 4

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 88

Author: Hutchinson, WF; Carvalho, GR; Rogers, SI

Year: 2001

Title: Marked genetic structuring in localised spawning populations of cod *Gadus morhua* in the North Sea and adjoining waters, as revealed by microsatellites

Journal: Marine Ecology Progress Series

Volume: 223

Pages: 251-260

Notes: a. held at most marine biological libraries

b. free

c. 3

d. ICES sub-area VIa

Reference Type: Report

Record Number: 75

Author: ICES

Year: 1998

Title: Report of the ICES Advisory Committee on Fishery Management 1997, Part 1

City: Copenhagen

Report Number: 223

Notes: a. held at most marine biological libraries

b. free

c. 3

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 89

Author: Jenkins, SR; Beukers-Stewart, BD; Brand, AR

Year: 2001

Title: Impact of scallop dredging on benthic megafauna: a comparison of damage levels in captured and non-captured organisms

Journal: Marine Ecology Progress Series

Volume: 215

Pages: 297-301

Keywords: *Pecten maximus*, dredging, bycatch

Notes: a. held at most marine biological libraries

b. free

c. 3

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 247

Author: Joenoes, V. G. R.

Year: 1961

Title: Über die Biologie und fischereiliche Bedeutung der Lengfische (*Molva molva* L., *Molva byrkelange* Walb.) und des Lumb (*Brosmius brosme* Asc.)

Journal: Bericht der Deutschen wissenschaftlichen Kommission für Meeresforschung

Volume: 16

Issue: 2

Pages: 129-160

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 248

Author: Kawaguchi, K.; Mauchline, J.

Year: 1982

Title: Biology of myctophid fishes (family Myctophidae) in the Rockall Trough, northeastern Atlantic Ocean

Journal: Biological Oceanography

Volume: 1

Issue: 4

Pages: 337-373

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 249

Author: Kawaguchi, K.; Mauchline, J.

Year: 1987

Title: Biology of the sternoptychid fishes Rockall Trough, northeastern Atlantic Ocean

Journal: Biological Oceanography

Volume: 4

Pages: 99-120

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 250

Author: Kelly, C. J.; Connolly, P. L.; Bracken, J. J.

Year: 1996

Title: Maturity, oocyte dynamics and fecundity of the roundnose grenadier from the Rockall Trough

Journal: Journal of Fish Biology

Volume: 49 Supplement A

Pages: 5-17

Notes: a. Held at most marine laboratory libraries

b. Free

c. 4

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 251

Author: Kelly, C. J.; Connolly, P. L.; Bracken, J. J.

Year: 1997

Title: Age estimation, growth, maturity and distribution of the roundnose grenadier from the Rockall trough

Journal: Journal of Fish Biology

Volume: 50

Pages: 17pp

Notes: a. Held at most marine laboratory libraries
b. Free
c. 4
d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 252

Author: Kelly, C. J.; Connolly, P. L.; Clarke, M. W.

Year: 1998

Title: The deep water fisheries of the Rockall trough; some insights gleaned from Irish survey data

Journal: ICES CM

Volume: 1998/O:40

Pages: 22pp

Notes: a. Held at most fishery laboratory libraries

b. Free

c. 4

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 253

Author: Kelly, C. J.; Connolly, P. L.; Bracken, J. J.

Year: 1999

Title: Age estimation, growth, maturity, and distribution of the bluemouth rockfish *Helicolenus d. dactylopterus* (Delaroche 1809) from the Rockall Trough

Journal: ICES Journal of Marine Science

Volume: 56

Pages: 61-74

Notes: a. Held at most marine laboratory libraries

b. Free

c. 4

d. ICES Sub-area VI

Reference Type: Conference Proceedings

Record Number: 152

Author: Kislalioglu, M.; Gibson, R. N.

Year of Conference: 1975

Title: Field and laboratory observations on prey-size selection in *Spinachia spinachia* (L.)

Conference Name: Proceedings of the 9th European Marine Biological Symposium

Pages: 29-41

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 153

Author: Kislalioglu, M.; Gibson, R. N.

Year: 1976

Title: Some factors governing prey selection by the 15-spined stickleback, *Spinachia spinachia* (L.)

Journal: Journal of Experimental Marine Biology and Ecology

Volume: 25

Pages: 159-169

Notes: a. Held at most marine laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 154
Author: Kislalioglu, M.; Gibson, R. N.
Year: 1977
Title: The feeding relationships of shallow water fishes in a Scottish sea loch
Journal: Journal of Fish Biology
Volume: 11
Pages: 257-266
Notes: a. Held at most marine laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 44
Author: Koop, JH; Gibson, RN
Year: 1991
Title: Distribution and movements of intertidal butterfish *Pholis gunnellus*
Journal: Journal of the Marine Biological Association of the United Kingdom
Volume: 71
Pages: 127-136
Notes: a. held at most marine biological libraries
b. free
c. 3
d. ICES sub-area VIa

Reference Type: Journal Article
Record Number: 254
Author: Koslow, J. A.; Boehlert, G. W.; Gordon, J. D. M.; Haedrich, R. L.; Lorange, P.; Parin, N.
Year: 2000
Title: Continental slope and deep-sea fisheries: implications for a fragile ecosystem
Journal: ICES Journal of Marine Science
Volume: 57
Pages: 548-557
Notes: a. Held at most marine laboratory libraries
b. Free
c. 4
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 155
Author: Kunzlik, P. A.
Year: 1988
Title: The Basking shark
Journal: Scottish Fisheries Information Pamphlet
Volume: no.14
Pages: 20pp

Notes: a. Held at most marine laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 156
Author: Langham, N. P. E.
Year: 1969
Title: The west coast sprat fishery
Journal: Scottish Fishery Bulletin
Volume: 32
Pages: 19-21
Notes: a. Held at most marine laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 157
Author: Langham, N. P. E.
Year: 1971
Title: The distribution and abundance of larval sand-eels (Ammodytidae) in Scottish waters
Journal: Journal of the Marine Biological Association of the United Kingdom
Volume: 51
Pages: 697-707
Notes: a. Held at most marine laboratory libraries
b. Free
c. 4
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 255
Author: Large, P. A.; Hammer, C.; Bergstad, O. A.; Gordon, J. D. M.; Lorance, P.
Year: 2001
Title: Options for the assessment and management of deep-water species in the I.C.E.S. area
Journal: NAFO SCR Doc.
Volume: 01/93
Issue: N4481
Pages: 16pp
Notes: a. www.nafo.ca
b. Free
c. 4
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 158
Author: Little, W.
Year: 1997
Title: Common skate in the Sound of Mull
Journal: Glaucus
Volume: 8

Pages: 42-43

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 256

Author: Lorance, P.

Year: 1998

Title: Structure du peuplement ichtyologique du talus continental a l'ouest des îles Britanniques et impact de la peche

Journal: Cybium

Volume: 22

Pages: 309-331

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 257

Author: Lorance, P.; Dupouy, H.

Year: 2001

Title: CPUE abundance indices of the main target species of the French deep-water fishery in ICES Sub-areas V-VII

Journal: Fisheries Research

Volume: 51

Pages: 137-149

Notes: a. Held at most marine laboratory libraries

b. Free

c. 4

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 258

Author: Lorance, P.; Dupouy, H.; Allain, V.

Year: 2001

Title: Assessment of the roundnose grenadier (*Coryphaenoides rupestris*) stock in the Rockall Trough and neighbouring areas (ICES Sub-areas V-VII)

Journal: Fisheries Research

Volume: 51

Pages: 151-163

Notes: a. Held at most marine laboratory libraries

b. Free

c. 4

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 259

Author: Lorance, P.; Garren, F.; Vigneau, J.

Year: 2001

Title: Age estimation of the Roundnose Grenadier (*Coryphaenoides rupestris*), effects of uncertainties on ages

Journal: NAFO SCR Doc.

Volume: 01/123

Issue: N4511

Pages: 15pp

Notes: a. www.nafo.ca

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 91

Author: Mackay, DW; Doughty, CR

Year: 1986

Title: Migratory salmonids of the estuary and Firth of Clyde

Journal: Proceedings of the Royal Society of Edinburgh Section B - Biological Sciences

Volume: 90

Pages: 479-490

Notes: a. held at most marine biological libraries

b. free

c. 4

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 74

Author: Mackenzie, K.

Year: 1985

Title: The Use of Parasites as Biological Tags in Population Studies of Herring (*Clupea harengus* L) in the North-Sea and to the North and West of Scotland

Journal: Journal Du Conseil

Volume: 42

Issue: 1

Pages: 33-64

Notes: a. held at most marine biological libraries

b. free

c. 3

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 61

Author: MacKenzie, K.; Longshaw, M.; Begg, G. S.; McVicar, A. H.

Year: 1998

Title: Sea lice (Copepoda : Caligidae) on wild sea trout (*Salmo trutta* L.) in Scotland

Journal: ICES Journal of Marine Science

Volume: 55

Pages: 151-162

Keywords: sea trout, lice, *Lepeophtheirus salmonis*, Atlantic Salmon, Ireland

Notes: a. held at most marine biological libraries

b. free

c. 3

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number:

Author: Magill, SH; Sayer, MDJ

Year: 2002

Title: Seasonal and interannual variation in fish assemblages of northern temperate rocky subtidal habitats.

Journal: Journal of Fish Biology

Volume: In Press

Pages:

Notes: a. held at most marine biological libraries

b. free

c. 4

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 92

Author: Magorrian, BH; Service, M; Clarke, W

Year: 1995

Title: An acoustic bottom classification survey of Strangford Lough Northern Ireland

Journal: Journal of the Marine Biological Association of the United Kingdom

Volume: 75

Pages: 987-992

Notes: a. held at most marine biological libraries

b. free

c. 4

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 93

Author: Mason, J; Shelton, RGJ; Drinkwater, J; Howard, FG

Year: 1983

Title: Shellfish resources of the Inner Hebrides

Journal: Proceedings of the Royal Society of Edinburgh Section B - Biological Sciences

Volume: 83

Pages: 599-610

Notes: a. held at most marine biological libraries

b. free

c. 4

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 94

Author: Mathieson, S; McLusky, DS

Year: 1995

Title: Interspecies variation of mercury in skeletal muscle of five fish species from inshore waters of the Firth of Clyde, Scotland

Journal: Marine Pollution Bulletin

Volume: 30

Pages: 283-286

Notes: a. held at most marine biological libraries

b. free

c. 3

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 260

Author: Mauchline, J.; Gordon, J. D. M.

Year: 1980

Title: The food and feeding of the deep-sea morid fish *Lepidion eques* (Gunther 1887) in the Rockall Trough

Journal: Journal of the Marine Biological Association of the United Kingdom

Volume: 60

Pages: 1053-1059

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 261

Author: Mauchline, J.

Year: 1983

Title: The pelagic fish of the Rockall Trough- their occurrence and diets

Journal: SMBA Internal Report

Volume: 102

Pages: 89pp

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 262

Author: Mauchline, J.; Gordon, J. D. M.

Year: 1983

Title: Diets of clupeoid, stomiatoid and salmonoid fish of the Rockall Trough, northeastern Atlantic Ocean

Journal: Marine Biology

Volume: 77

Pages: 67-78

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 263

Author: Mauchline, J.; Gordon, J. D. M.

Year: 1983

Title: Diets of the sharks and chimaeroids of the Rockall Trough, northeastern Atlantic Ocean

Journal: Marine Biology

Volume: 75

Pages: 269-278

Notes: a. Held at most marine laboratory libraries

- b. Free
- c. 3
- d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 264

Author: Mauchline, J.; Gordon, J. D. M.

Year: 1984

Title: Feeding and bathymetric distribution of the gadoid and morid fish of the Rockall Trough

Journal: Journal of the Marine Biological Association of the United Kingdom

Volume: 64

Pages: 657-665

Notes: a. Held at most marine laboratory libraries

b. Free

c. 4

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 265

Author: Mauchline, J.; Gordon, J. D. M.

Year: 1984

Title: Diets and bathymetric distributions of the macrourid fish of the Rockall Trough, northeastern Atlantic Ocean

Journal: Marine Biology

Volume: 81

Pages: 107-121

Notes: a. Held at most marine laboratory libraries

b. Free

c. 4

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 266

Author: Mauchline, J.; Gordon, J. D. M.

Year: 1984

Title: Occurrence and feeding of berycomorphid and percomorphid teleost fish in the Rockall Trough

Journal: Journal du Conseil

Volume: 41

Pages: 239-247

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 267

Author: Mauchline, J.; Gordon, J. D. M.

Year: 1984

Title: Incidence of parasitic worms in stomachs of pelagic and demersal fish of the Rockall Trough, northeastern Atlantic Ocean

Journal: Journal of Fish Biology

Volume: 24

Pages: 281-285

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 268

Author: Mauchline, J.; Gordon, J. D. M.

Year: 1984

Title: Occurrence of stones sediment and fish scales in stomach contents of demersal fish of the Rockall Trough

Journal: Journal of Fish Biology

Volume: 24

Pages: 357-362

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 269

Author: Mauchline, J.; Gordon, J. D. M.

Year: 1985

Title: Trophic diversity in deep-sea fish

Journal: Journal of Fish Biology

Volume: 26

Pages: 527-535

Notes: a. Held at most marine laboratory libraries

b. Free

c. 4

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 270

Author: Mauchline, J.

Year: 1986

Title: What constitutes an open ocean population?

Journal: Unesco technical papers in marine science

Volume: 49

Pages: 186-190

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 271

Author: Mauchline, J.; Ellett, D. J.; Gage, J. D.; Gordon, J. D. M.; Jones, E. J. W.

Year: 1986

Title: A bibliography of the Rockall Trough

Journal: Proceedings of the Royal Society of Edinburgh

Volume: 88
Pages: 319-354
Notes: a. Held at most marine laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 272
Author: Mauchline, J.; Gordon, J. D. M.
Year: 1986
Title: Foraging strategies of deep-sea fish
Journal: Marine Ecology Progress Series
Volume: 27
Pages: 227-238
Notes: a. Held at most marine laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 273
Author: Mauchline, J.
Year: 1988
Title: Growth and breeding of meso- and bathypelagic organisms of the Rockall Trough, northeastern Atlantic Ocean and evidence of seasonality
Journal: Marine Biology
Volume: 98
Pages: 387-393
Notes: a. Held at most marine laboratory libraries
b. Free
c. 4
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 274
Author: Mauchline, J.; Gordon, J. D. M.
Year: 1991
Title: Oceanic pelagic prey of benthopelagic fish in the benthic boundary layer of a marginal oceanic region
Journal: Marine Ecology Progress Series
Volume: 74
Pages: 109-115
Notes: a. Held at most marine laboratory libraries
b. Free
c. 4
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 275
Author: Merrett, N. R.; Wheeler, A.
Year: 1983

Title: The correct identification of two trachichthyid fishes (Pisces, Berycomorphi) from the slope fauna west of Britain, with notes on the abundance and commercial importance of *Hoplostethus atlanticus*

Journal: Journal of Natural History

Volume: 17

Pages: 569-573

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 276

Author: Merrett, N. R.

Year: 1986

Title: Macrouridae of the eastern North Atlantic

Journal: ICES Fiches d'Identification du Plancton

Volume: 173/174/175

Pages: 14pp

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 277

Author: Merrett, N. R.; Badcock, J.; Ehrich, S.; Hulley, P. A.

Year: 1986

Title: Preliminary observations on the near-bottom ichthyofauna of the Rockall Trough: a contemporaneous investigation using commercial-sized midwater and demersal trawls to 100m depth

Journal: Proceedings of the Royal Society of Edinburgh

Volume: 88B

Pages: 312-314

Notes: a. Held at most marine laboratory libraries

b. Free

c. 4

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 278

Author: Merrett, N. R.

Year: 1994

Title: Reproduction in the North Atlantic oceanic ichthyofauna and the relationship between fecundity and species' sizes

Journal: Environmental Biology of Fishes

Volume: 41

Pages: 207-245

Notes: a. Held at most marine laboratory libraries

b. Free

c. 4

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 17

Author: Miller, PJ

Year: 1969

Title: Systematics and biology of the leopard-spotted goby, *Gobius ephippiatus* (Teleostei: Gobiidae), with a description of a genus and note on the identity of *G. macrolepis* Kolomatovic

Journal: Journal of the Marine Biological Association of the United Kingdom

Volume: 49

Pages: 831-855

Notes: a. held at most marine biological libraries

b. free

c. 3

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 16

Author: Miller, PJ; Rice, AL; Johnstone, ADF

Year: 1973

Title: A western Scottish population of the leopard-spotted goby *Thorogobius ephippiatus* (Lowe) (Teleostei: Gobiidae)

Journal: Journal of Fish Biology

Volume: 5

Pages: 233-239

Notes: a. held at most marine biological libraries

b. free

c. 3

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 279

Author: Minchin, D.; Isaev, N. A.

Year: 1989

Title: Some fishes associated with blue whiting on the 1989 cruise of the R.V. 'Professor Marti'

Journal: ICES CM

Volume: 1989/H:47

Pages: 10pp

Notes: a. Held at most fishery laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 280

Author: Moller, P. R.

Year: 1997

Title: Identity of the Atlantic eelpouts *Lycodes terraenovae* Collett, 1896, *L. atlanticus* Jensen, 1902 and *L. agulhensis* Andriashev, 1959 (Pisces: Zoarcidae)

Journal: Steenstrupia

Volume: 22

Pages: 45-58pp

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 281

Author: Monstad, T.; Johannessen, A.

Year: 2001

Title: Acoustic recordings of greater silver smelt (*Argentina silus*) in Norwegian waters and west of the British Isles, 1989-1994

Journal: NAFO SCR Doc.

Volume: 01/112

Issue: N4500

Pages: 17pp

Notes: a. www.nafo.ca

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 282

Author: Morales-Nin, B; Canha, A.; Casas, M.; Figueiredo, I.; Gordo, L. S.; Gordon, J. D. M.; Gouveia, E.; Pineiro, C. G.; Reis, S.; Reis, A.; Swan, S. C.

Year: 2002

Title: Intercalibration of age readings of deepwater black scabbardfish, *Aphanopus carbo* (Lowe, 1839)

Journal: ICES Journal of Marine Science

Volume: 59

Pages: 352-364

Notes: a. Held at most marine laboratory libraries

b. Free

c. 4

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 283

Author: Mormede, S.; Davies, I. M.

Year: 2000

Title: Polychlorobiphenyl and pesticide residues in monkfish and black scabbard from the Rockall Trough

Journal: ICES Cooperative Research Report

Volume: 240

Pages: 19-20

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 55

Author: Mormede, S.; Davies, I. M.

Year: 2001

Title: Polychlorobiphenyl and pesticide residues in monkfish *Lophius piscatorius* and black scabbard *Aphanopus carbo* from the Rockall Trough

Journal: ICES Journal of Marine Science

Volume: 58

Pages: 725-736

Keywords: deep-sea fish, metabolism, PCB, pesticides
Notes: a. held at most marine biological libraries
b. free
c. 4
d. ICES sub-area VI

Reference Type: Journal Article
Record Number: 284
Author: Mormede, S.; Davies, I. M.
Year: 2001
Title: Trace elements in deep-water fish species from the Rockall Trough
Journal: Fisheries Research
Volume: 51
Pages: 197-206
Notes: a. Held at most marine laboratory libraries
b. Free
c. 4
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 285
Author: Mormede, S.; Davies, I. M.
Year: 2001
Title: Heavy metal concentrations in commercial deep-sea fish from the Rockall Trough
Journal: Continental Shelf Research
Volume: 21
Pages: 899-916
Notes: a. Held at most marine laboratory libraries
b. Free
c. 4
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 14
Author: Nash, RDM; Gibson, RN
Year: 1982
Title: Seasonal fluctuations and compositions of two populations small demersal fishes on the west coast of Scotland
Journal: Estuarine, Coastal and Shelf Science
Volume: 15
Pages: 485-495
Keywords: Firth of Clyde, Scotland coast
Notes: a. held at most marine biological libraries
b. free
c. 4
d. ICES sub-area VIa

Reference Type: Journal Article
Record Number: 95
Author: Nash, RDM
Year: 1982

Title: The biology of Fries goby *Lesueurigobius friesii* (Malm), in the Firth of Clyde, Scotland, and a comparison with other stocks

Journal: Journal of Fish Biology

Volume: 21

Pages: 69-85

Notes: a. held at most marine biological libraries

b. free

c. 3

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 160

Author: Nash, R. D. M.; Witthames, P. R.; Pawson, M. ; Alesworth, E.

Year: 2000

Title: Regional variability in the dynamics of reproduction and growth of Irish Sea plaice, *Pleuronectes platessa* L.

Journal: Journal of Sea Research

Volume: 44

Pages: 55-64

Notes: a. Held at most marine laboratory libraries

b. Free

c. 4

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 13

Author: Nickell, L A; Sayer, M D J

Year: 1998

Title: Occurrence and activity of mobile macrofauna on a sublittoral reef: diel and seasonal variation

Journal: Journal of the Marine Biological Association (UK)

Volume: 78

Pages: 1061-1082

Notes: a. held at most marine biological libraries

b. free

c. 3

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 287

Author: Nielsen, J. G.; Hureau, J. C.

Year: 1980

Title: Revision of the ophidiid genus *Spectrunculus* Jordan & Thompson, 1914, a senior synonym of *Parabassogigas* Nybelin, 1957 (Pisces, Ophidiiformes)

Journal: Steenstrupia

Volume: 6

Pages: 149-169

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 48

Author: Patterson, KR

Year: 1998

Title: Assessing fish stocks when catches are misreported: model, simulation tests, and application to cod, haddock, and whiting in the ICES area

Journal: ICES Journal of Marine Science

Volume: 55

Pages: 878-891

Keywords: stock assessment, cod, haddock, whiting

Notes: a. held at most marine biological libraries

b. free

c. 4

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 288

Author: Pemberton, R.

Year: 1976

Title: Sea trout in North Argyll Sea lochs, population, distribution and movements

Journal: Journal of Fish Biology

Volume: 9

Pages: 157-179

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 289

Author: Pemberton, R.

Year: 1976

Title: Sea trout in North Argyll sea lochs: II.diet

Journal: Journal of Fish Biology

Volume: 9

Pages: 195-208

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 96

Author: Pierce, GJ; Boyle, PR; Hastie, LC; Shanks, AM

Year: 1994

Title: Distribution and abundance of the fished populations of *Loligo forbesi* in UK waters - analysis of fishery data

Journal: Fisheries Research

Volume: 21

Pages: 193-216

Notes: a. held at most marine biological libraries

b. free

c. 4

d. ICES sub-area VI

Reference Type: Journal Article

Record Number: 32

Author: Poxton, MG; Eleftheriou, A; McIntyre, AD

Year: 1983

Title: The food and growth of 0-group flatfish on nursery grounds in the Clyde Sea area

Journal: Estuarine, Coastal and Shelf Science

Volume: 17

Pages: 319-337

Notes: a. held at most marine biological libraries

b. free

c. 3

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 161

Author: Raitt, D. F. S.; Mason, J.

Year: 1968

Title: The distribution of Norway Pout in the North sea and adjacent waters

Journal: Marine Research

Volume: 1968(4)

Pages: 19pp

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 290

Author: Raitt, D. F. S.

Year: 1968

Title: Synopsis of biological data on the blue whiting *Micromesistius poutassou* (Risso,1810)

Journal: FAO Fisheries Synopsis

Volume: No34 Rev.1

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 97

Author: Rankine, PW; Cargill, LH; Morrison, JA

Year: 1990

Title: Variation in hatching length of spring spawned larvae (*Clupea harengus* L) on Ballantrae Bank on the Firth of Clyde

Journal: Journal du Conseil

Volume: 46

Pages: 333-339

Notes: a. held at most marine biological libraries

b. free

c. 3

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 291

Author: Ratz, H. J.

Year: 1984

Title: Qualitative und quantitative Untersuchungen der Ichthyozönose in der archibenthischen Zone des Rockall- Grabens und umleigender Bänke (Westbritische Gewässer)

Journal: Mitteilungen aus dem Institut für Seefischerei

Volume: No 34

Pages: 152 pp

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 292

Author: Reinsch, H. H.

Year: 1981

Title: Untersuchungen am Blauleng, *Molva dypterygia*

Journal: Informationen für die Fischwirtschaft

Volume: 28

Pages: 123-127

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 98

Author: Richardson, CA; Taylor, AC; Venn, TJ

Year: 1982

Title: Growth of the queen scallop *Chlamys opercularis* in suspended cages in the Firth of Clyde

Journal: Journal of the Marine Biological Association of the United Kingdom

Volume: 62

Pages: 157-169

Notes: a. held at most marine biological libraries

b. free

c. 3

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 99

Author: Roberts, JM; Harvey, SM; Lamont, PA; Gage, JD

Year: 2000

Title: Seabed photography, environmental assessment and evidence for deep-water trawling on the continental margin west of the Hebrides

Journal: Hydrobiologia

Volume: 441

Pages: 173-183

Notes: a. held at most marine biological libraries

b. free

c. 3
d. ICES sub-area VI

Reference Type: Journal Article
Record Number: 293
Author: Sahrhage, D.
Year: 1988
Title: Commercially important grenadiers of the North Atlantic
Journal: Canadian Translations Fisheries and Aquatic Sciences
Volume: no. 5376
Pages: 91
Notes: a. Held at most marine laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 8
Author: Sarno, B; Glass, CW; Smith, GW
Year: 1994
Title: Differences in diet and behaviour of sympatric saithe and pollack in a Scottish sea loch
Journal: Journal of Fish Biology
Volume: 45
Issue: Supplement A
Pages: 1-11
Keywords: gadoids, movements, feeding, ecology
Notes: a. held at most marine biological libraries
b. free
c. 4
d. ICES sub-area VIa

Reference Type: Journal Article
Record Number: 164
Author: Sarno, B.; Glass, C. W.; Smith, G. W.; Johnstone, A. D. F.; Mojsiewicz, W. R.
Year: 1994
Title: A comparison of the movements of two species of gadoid in the vicinity of an underwater reef
Journal: Journal of Fish Biology
Volume: 45
Pages: 811-817
Notes: a. Held at most marine laboratory libraries
b. Free
c. 4
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 7
Author: Sayer, M D J; Gibson, R N; Atkinson, R J A
Year: 1993
Title: Distribution and density of populations of goldsinny wrasse (*Ctenolabrus rupestris*) on the west coast of Scotland
Journal: Journal of Fish Biology
Volume: 43 (Suppl A)

Pages: 157-168

Keywords: *Ctenolabrus rupestris*, Scotland, populations

Notes: a. held at most marine biological libraries

b. free

c. 4

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 6

Author: Sayer, M D J; Cameron, K S; Wilkinson, G

Year: 1994

Title: Fish species found in the rocky sublittoral during winter months as revealed by the underwater application of the anaesthetic quinaldine

Journal: Journal of Fish Biology

Volume: 44

Issue: 2

Pages: 351-353

Keywords: rocky subtidal, Scotland

Notes: a. held at most marine biological libraries

b. free

c. 3

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 26

Author: Sayer, MDJ; Gibson, RN; Atkinson, RJA

Year: 1995

Title: Growth, diet and condition of goldsinny on the west coast of Scotland

Journal: Journal of Fish Biology

Volume: 46

Pages: 317-340

Keywords: *Ctenolabrus rupestris*

Notes: a. held at most marine biological libraries

b. free

c. 4

d. ICES sub-area VIa

Reference Type: Book Section

Record Number: 27

Author: Sayer, MDJ; Gibson, RN; Atkinson, RJA

Year: 1995

Title: Seasonal, sexual and geographical variation in the biology of goldsinny(*Ctenolabrus rupestris*), rock cook (*Centrolabrus exoletus*) and corkwing (*Crenilabrus melops*) wrasse on the west coast of Scotland

Editor: Sayer, MDJ; Treasurer, JW; Costello, MJ

Book Title: Wrasse: Biology and use in Aquaculture

City: Oxford

Publisher: Blackwell Scientific

Notes: a. available from most marine biological libraries

b. free

c. 4

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 4

Author: Sayer, M D J; Gibson, R N; Atkinson, R J A

Year: 1996

Title: Growth, diet and condition of corkwing wrasse and rock cook on the west coast of Scotland

Journal: Journal of Fish Biology

Volume: 49

Pages: 76-94

Keywords: *Crenilabrus melops*, *Centrolabrus exoletus*; growth; diet gonadosomatic index; hepatosomatic index

Notes: a. held at most marine biological libraries

b. free

c. 4

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 294

Author: Schmidt, J.

Year: 1906

Title: On the larval and post-larval development of the argentines (*Argentina silus* [Ascan.] and *Argentina sphyraena* Linnhe) with some notes on *Mallottus villosus*

Journal: Meddelelser Komm Hav. Serie Fiskeri

Volume: 2

Pages: 20pp

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 295

Author: Schmidt, J.

Year: 1906

Title: On the pelagic post-larval stages of the lings (*Molva molva* [Linne] and *Molva byrkelange* [Walbaum])

Journal: Meddelelser fra Kommissionen for Havundersogelser; Serie: Fiskeri

Volume: Bind II

Issue: Nr 3

Pages: 15pp

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 100

Author: Secombes, CJ; White, A; Fletcher, TC; Stagg, R; Houlihan, DF

Year: 1995

Title: Immune parameters of plaice *Pleuronectes platessa*, L along a sewage sludge gradient in the Firth of Clyde

Journal: Ecotoxicology

Volume: 4

Pages: 329-340

Keywords: Firth of Clyde, plaice
Notes: a. held at most marine biological libraries
b. free
c. 3
d. ICES sub-area VIa

Reference Type: Journal Article
Record Number: 47
Author: Stratoudakis, Y; Fryer, RJ; Pierce, GJ; Cook, RM
Year: 1997
Title: Differences in life history features of long rough dab *Hippoglossoides platessoides* within Scottish waters
Journal: Marine Ecology Progress Series
Volume: 158
Pages: 303-306
Notes: a. held at most marine biological libraries
b. free
c. 4
d. ICES sub-area VIa

Reference Type: Journal Article
Record Number: 69
Author: Stratoudakis, Y.; Gallego, A.; Morrison, J. A.
Year: 1998
Title: Spatial distribution of developmental egg ages within a herring *Clupea harengus* spawning ground
Journal: Marine Ecology Progress Series
Volume: 174
Pages: 27-32
Keywords: Atlantic herring, spatial distribution
Notes: a. held at most marine biological libraries
b. free
c. 4
d. ICES sub-area VIa

Reference Type: Journal Article
Record Number: 49
Author: Stratoudakis, Y; Fryer, RJ; Cook, RM; Pierce, GJ
Year: 1999
Title: Fish discarded from Scottish demersal vessels: Estimators of total discards and annual estimates for targeted gadoids
Journal: ICES Journal of Marine Science
Volume: 56
Pages: 592-605
Keywords: Scotland, discard sampling, gadoids
Notes: a. held at most marine biological libraries
b. free
c. 3
d. ICES sub-area VIa

Reference Type: Journal Article
Record Number: 50
Author: Stratoudakis, Y; Fryer, RJ; Cook, RM; Pierce, GJ; Coull, KA

Year: 2001

Title: Fish bycatch and discarding in Nephrops trawlers in the Firth of Clyde

Journal: Aquatic Living Resource

Volume: 14

Pages: 283-291

Keywords: Firth of Clyde, bycatch, fish discards

Notes: a. held at most marine biological libraries

b. free

c. 3

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 296

Author: Swan, S. C.; Gordon, J. D. M.

Year: 2001

Title: A review of age estimation in macrourid fishes with new data on age validation of juveniles

Journal: Fisheries Research

Volume: 51

Pages: 177-195

Notes: a. Held at most marine laboratory libraries

b. Free

c. 4

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 297

Author: Swinney, G. N.; Holmes, M.; Blackadder, J. S.; Pye, S. E.

Year: 1999

Title: A long-finned specimen of *Beryx decadactylus* caught in the North-eastern Atlantic off Rockall

Journal: Journal of Fish Biology

Volume: 54

Pages: 208-212

Notes: a. Held at most marine laboratory libraries

b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 1

Author: Treasurer, JW

Year: 1994

Title: The distribution, age and growth of wrasse (Labridae) in inshore water of west Scotland

Journal: Journal of Fish Biology

Volume: 44

Pages: 905-918

Keywords: Labridae, *Ctenolabrus rupestris*, *Centrolabrus exoletus*, *Crenilabrus melops*, *Labrus bergylta*

Notes: a. held at most marine biological libraries

b. free

c. 4

d. ICES sub-area VIa

Reference Type: Thesis

Record Number: 79

Author: Tuck, ID

Year: 1993

Title: Nephrops abundance in relation to environmental factors and fishing pressure

University: University of London

Notes: a. University of London

b. free

c. 4

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 101

Author: Tuck, ID; Atkinson, RJA; Bailey, N; Smith, RSM

Year: 1997

Title: A comparison of methods for stock assessment of the Norway lobster, *Nephrops norvegicus* in the Firth of Clyde.

Journal: Fisheries Research

Volume: 32

Pages: 89-100

Notes: a. held at most marine biological libraries

b. free

c. 4

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 102

Author: Tuck, ID; Chapman, CJ; Atkinson, RJA

Year: 1997

Title: Population biology of the Norway lobster, *Nephrops norvegicus* (L) in the Firth of Clyde, Scotland.

1. Growth and density

Journal: ICES Journal of Marine Science

Volume: 54

Pages: 125-135

Keywords: trawl survey, stock assessment techniques

Notes: a. held at most marine biological libraries

b. free

c. 4

d. ICES sub-area VIa

Reference Type: Journal Article

Record Number: 103

Author: Tuck, ID; Atkinson, RJA; Chapman, CJ

Year: 2000

Title: Population biology of the Norway lobster, *Nephrops norvegicus* (L.) in the Firth of Clyde, Scotland

II: fecundity and size at onset of sexual maturity

Journal: ICES Journal of Marine Science

Volume: 57

Pages: 1227-1239

Keywords: *Nephrops norvegicus*, fecundity

Notes: a. held at most marine biological libraries

b. free

c. 4

d. ICES sub-area VIa

Reference Type: Journal Article
Record Number: 298
Author: Vas, P.; Gordon, J. D. M.
Year: 1988
Title: Trace metal concentrations in the scyliorhinid shark *Galeus melastomus* from the Rockall Trough
Journal: Marine Pollution Bulletin
Volume: 19
Pages: 396-398
Notes: a. Held at most marine laboratory libraries
b. Free
c. 4
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 299
Author: Vas, P.
Year: 1991
Title: Trace metal levels in sharks from British and Atlantic waters
Journal: Marine Pollution Bulletin
Volume: 22
Pages: 67-72
Notes: a. Held at most marine laboratory libraries
b. Free
c. 4
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 300
Author: Vas, P.; Gordon, J. D. M.
Year: 1993
Title: Trace Metals in Deep-sea Sharks from the Rockall Trough
Journal: Marine Pollution Bulletin
Volume: 26
Pages: 400-402
Notes: a. Held at most marine laboratory libraries
b. Free
c. 4
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 301
Author: Vas, P.; Gordon, J. D. M.; Fielden, P. R.; Overnell, J.
Year: 1993
Title: The trace metal ecology of ichthyofauna in the Rockall Trough, north-eastern Atlantic
Journal: Marine Pollution Bulletin
Volume: 26
Pages: 607-612
Notes: a. Held at most marine laboratory libraries
b. Free
c. 4
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 165
Author: Walsh, M.
Year: 1976
Title: Mackerel spawning to the west of the British Isles
Journal: ICES CM
Volume: 1976/H:33
Pages: 10
Notes: a. Held at most fishery laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 166
Author: Walsh, M.; Martin, J. H. A.
Year: 1986
Title: Recent changes in the distribution and migrations of the western mackerel stock in relation to hydrographic changes
Journal: ICES CM
Volume: 1986/H:17
Pages: 7pp
Notes: a. Held at most fishery laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Journal Article
Record Number: 167
Author: Warburton, K.; Hutcheon, J. R.
Year: 1980
Title: The abundance, density distribution and population structure of blue whiting to the West of Britain during April 1980
Journal: ICES CM
Volume: 1980/H:42
Pages: 6
Notes: a. Held at most fishery laboratory libraries
b. Free
c. 3
d. ICES Sub-area VI

Reference Type: Book
Record Number: 168
Author: Wheeler, A.
Year: 1969
Title: The Fishes of the British Isles and North-West Europe
City: Macmillan
Publisher: London
Number of Pages: 613pp
Notes: a. Held at most marine laboratory libraries
b. Free

c. 3

d. ICES Sub-area VI

Reference Type: Journal Article

Record Number: 72

Author: Wyatt, T.; Saboridorey, F.; Currie, R. G.

Year: 1995

Title: Deterministic Signals in Scottish and Irish Herring (*Clupea- harengus*) Catches

Journal: Scientia Marina

Volume: 59

Pages: 507-513

Keywords: Herring, Scotland, Ireland, catch records

Notes: a. held at most marine biological libraries

b. free

c. 3

d. ICES sub-area VIa