EFH Project - Fish survey datasets

Dataset name (Excel format):

8.Anglerfish SIAMISS data 2013-21\_MS

Dataset name (subsets in CSV format):

8.Anglerfish SIAMISS data 2013-21\_MSa (haul data)

8.Anglerfish SIAMISS data 2013-21\_MSb (catch data)

Content description:

Dataset of fish catch data from Scottish-Irish anglerfish and megrim industry-science survey (SIAMISS) undertaken to monitor the Northern shelf anglerfish stock in subareas 4 and 6, and division 3.a (North Sea, Rockall and West of Scotland, Skagerrak and Kattegat; quarter Q2 available for 2014-2021; Q3 for year 2013). The dataset is an extract of the SIAMISS database provided by Marine Scotland, including data on haul characteristics (subset a) and CPUE (by species by length class) for anglerfish Lophius piscatorius (subset b), with all survey events (between 2013 and 2021) and all survey locations included.

Dataset structure:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column Heading | Description | Variable type | Unit/categories (incl. NA where no data) | Source | Subset |
| Survey | Survey code | Categorical (nominal) | BTS; EVHOE, IE-IGFS, NS-IBTS, SCOROC, SCOWCGFS; MEGS (codes and explanations from ICES vocabularies - https://vocab.ices.dk/); East Coast, West Coast (of Scotland; from sandeel dredge survey) | Original survey dataset | ab |
| Country | Country code (for ICES surveys only) | Categorical (nominal) | BE, DE, DK, FR, FO, GB, GB-SCT, IS, IE, NL, NO (codes and explanations from ICES vocabularies - https://vocab.ices.dk/) | Original survey dataset | ab |
| Ship | Ship code (for ICES surveys only) | Categorical (nominal) | (codes and explanations from ICES vocabularies - https://vocab.ices.dk/) | Original survey dataset | ab |
| HaulNo (or HaulID, or Haul) | Haul identification number/code (as allocated in original survey dataset) | Categorical (nominal) | - | Original survey dataset | ab |
| Haul-ID | Index identifying survey haul, as a combination of survey name, date, latitude and longitude and gear | Categorical (nominal) | Category defined by combination of survey name (e.g. SIAMISS, NS-IBTS), haul event (date, as number), haul location (latitude and longitude, as deg N and deg E WGS 1984, respectively), and gear type (e.g. GOV) | - | b |
| Gear | Sampling gear | Categorical (nominal) | BT4A, BT4AI, BT4S, BT7, BT8; GOV; BGN60, Gulf7, NACKTHAI (codes and explanations from ICES vocabularies - https://vocab.ices.dk/); DREDGE (sandeel survey) | Original survey dataset | ab |
| ShootLong (or StartLongitude, or Dec lat shoot) | Haul location (shooting point), latitude (WGS 1984) | Numeric (continuous) | deg N | Original survey dataset | ab |
| ShootLat (or StartLatitude, or Dec long shoot) | Haul location (shooting point), longitude (WGS 1984) | Numeric (continuous) | deg E | Original survey dataset | ab |
| HaulLong (or Dec long haul) | Haul location (hauling point), latitude (WGS 1984) | Numeric (continuous) | deg N | Original survey dataset | a |
| HaulLat (or Dec lat haul) | Haul location (hauling point), longitude (WGS 1984) | Numeric (continuous) | deg E | Original survey dataset | a |
| LATave (or lat) | Haul location, latitude (WGS 1984); calculated as central point (mean) between shooting and hauling locations where these are available from original dataset (LATave) | Numeric (continuous) | deg N | Calculated from original survey dataset | a |
| LONGave (or lon) | Haul location, longitude (WGS 1984); calculated as central point (mean) between shooting and hauling locations where these are available from original dataset (LONGave) | Numeric (continuous) | deg E | Calculated from original survey dataset | a |
| StatRec | Haul location, ICES Statistical Rectangle | Categorical (nominal) | [ICES Statistical Rectangle name] | Original survey dataset | a |
| Area | Haul location, ICES Area code | Categorical (nominal) | [ICES Area code] | From ICES Metadata Catalogue | b |
| SubArea | Haul location, ICES Sub Area code | Categorical (nominal) | [ICES SubArea code] | From ICES Metadata Catalogue | b |
| Quarter | Haul event, Quarter; derived from Date | Categorical (nominal) | 1, 2, 3, 4 | Derived from original survey dataset | ab |
| Year | Haul event, Year; derived from Date | Numeric (discrete) | Year | Derived from original survey dataset | ab |
| Month | Haul event, Month; derived from Date | Numeric (discrete) | Month number (1-12) | Derived from original survey dataset | ab |
| Day | Haul event, Day; derived from Date | Numeric (discrete) | Day number (1-31) | Derived from original survey dataset | a |
| DateTime (or TimeShot) | Haul event, date and time | Numeric (discrete) | [date in numerical format] | Original survey dataset | ab |
| HaulDurationMinutes (or HaulDur) | Haul event, duration (minutes component) | Numeric (discrete) | minutes | Original survey dataset | ab |
| Species | Species latin name | Categorical (nominal) | [species latin name] | Original survey dataset | ab |
| Sex | Sex of the individual(s) in the catch | Categorical (nominal) | Male, Female ('-9' where not reported) | Original survey dataset | b |
| LngtClass | Body length class | Numeric (continuous) | millimeters (mm) | Original survey dataset | b |
| CPUE\_number\_per\_hour | Catch per Unit Effort for relevant combination of species and size class | Numeric (continuous) | individuals per hour per haul | Original survey dataset | b |