Metadata – Fish and decapod crustacean species observations

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| **Metadata field** | **Content** |
| **Abstract** | FI gillnet fishing |
| **Data provider organization name** | Natural Resources Institute Finland |
| **Data provider organization contact** | mikko.olin@luke.fi |
| **Lineage** | Monitoring methods follow the HELCOM guidelines for coastal fish monitoring. |
| **URL of downloadable resource** |  |
| **Temporal extent** | 15.08.2002 |
| 15.08.2023 |
| **Legal constraints** | Data can be used freely given that the source is cited (following creative commons license [CC-BY](https://creativecommons.org/licenses/by/4.0/)). The source should be cited as: “Natural Resources Institute Finland: FI gillnet fishing”. |
| **Limitations on public access** | No |

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| **Used methods** | Monitoring methods follow the HELCOM guidelines for coastal fish monitoring.  *origin\_id* was added to the original dataset by HELCOM. |

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| **List those attributes with descriptions and values which were not available in reporting\_template** | | |
| **Attribute** | **Description** | **List of possible values** |
| origin\_id | Unique id for each record provided by HELCOM | e.g. FI\_fish\_1 |
| date\_start | The date of the recorded observation. Day, month, and year of the observation. E.g. in format DD/MM/YYYY | e.g. 15/08/2002 |
| date\_end | The last day when observed during period of multiple days. | NA |
| scien\_name | *scientific\_name.* The scientific name of the species observed | e.g. Albumus albumus |
| life\_stage | Life stage of the individual. The system used in separating juveniles from adults was based in the observed lengths. If there were lengths clearly below the species-specific maturation size (based on Fish Base) then juveniles were present, if not, then juveniles were absent (although this is very vague estimation since the used gillnet type does not catch juveniles effectively). If there were lengths clearly above the species-specific maturation size (based on Fish Base) then adults were present etc | e.g. Juvenile |
| length | Length of the individual in used unit. Used unit must be documented. | NA |
| weight | Weight of the individual in used unit. Used unit must be documented. | NA |
| quantity | Numerical value of the measured quantity | e.g. 1 |
| q\_unity | *quantity\_unit*. The unit of species' quantity. | presence/absence |
| gear\_type | Method of observation data collection. | Gill net. "Nordic coastal multi-mesh gillnets (KO64)" with the mesh sizes 30 | 15 | 38 | 10 | 48 | 12 | 24 | 60 | 19 mm (in this order) |
| fishing\_a | Fishing area in square meters (m²) | NA |
| soak\_time | Time of fishing gear in the water in hours (h) | 12 |
| effort | Catch per unit effort. E.g. weight/quantity per unit area per unit time. Used measure must be explained in metadata. | NA |
| start\_lat | *start\_decimal\_latitude.* Observation location geographical latitude (WGS84, decimal degrees). When transect used this is the latitude of the start of the line. | e.g. 60.04025 |
| start\_long | *start\_decimal\_longitude.* Observation location geographical longitude (WGS84, decimal degrees). When transect used this is the longitude of the start of the line. | e.g. 21.51101 |
| end\_lat | *end\_decimal\_latitude*. When transect used this is the latitude of the end of the line. | NA |
| end\_long | *end\_decimal\_longitude*. When transect used this is the longitude of the end of the line. | NA |
| time\_utc | Time of observation hh:mm:ss UTC | NA |
| depth | *water\_depth.* Depth at site of observation in meters. | NA |
| temp\_c | Measured water temperature in Celsius degrees. | NA |
| notes | Free text field for possible additional information on observation | NA |
| citation | Specific citation for the dataset | NA |
| restr | *restriction.* Yes/no: whether any information is restricted for this observation. | Yes |
| restr\_desc | *restriction\_description*. If restriction is yes, reason why data cannot be shared freely. | Source "Finnish National test fishing register" must be mentioned. |
| dataset | The name of the dataset. Added by HELCOM. | Luke\_gillnet\_fish\_FI |
| place | The place where the observation was made. | e.g.  Brunskär |
| species\_fk | Added by HELCOM. Empty column added in case the dataset requires to be merged with the other received FI dataset: Luke\_kalahavainnot.fi\_observation\_2000 | NA |
| species\_fi | Added by HELCOM. Empty column added in case the dataset requires to be merged with the other received FI dataset: Luke\_kalahavainnot.fi\_observation\_2000 | NA |
| count\_qual | Added by HELCOM. Empty column added in case the dataset requires to be merged with the other received FI dataset: Luke\_kalahavainnot.fi\_observation\_2000 | NA |
| gear\_other | Added by HELCOM. Empty column added in case the dataset requires to be merged with the other received FI dataset: Luke\_kalahavainnot.fi\_observation\_2000 | NA |