

## Model : CCAMLR Enterprise Data Model V1

## Subject Area : Statistical Bulletin

## Entity Name : AGGREGATED FISHERY CATCH

**Entity Definition :** Fishery catch aggregated by Flag State, vessel size category, target species, geographic area, fishing gear, fishing activity, calendar year, month and taxon caught. These data are derived from monthly STATLANT data (form 08B) submitted by CCAMLR Members. Form 08B is used to report monthly fishery statistics on catch and effort in the Southern Ocean and the data form is based on a standard questionnaire originally designed by the Coordinating Working Party On Fisheries Statistics (CWP) for use in global fishery statistics. The STATLANT data are public domain.

Attribute Name	Domain	Null Option Type	Attribute Definition
AFC ID	INTEGER	Not Null	Unique identifier for AGGREGATED FISHERY CATCH (system generated)
AFE ID	INTEGER	Not Null	Unique identifier for the related record in AGGREGATED FISHERY EFFORT (system generated)
GAR Code	CHAR(5)	Not Null	Geographic area code for the statistical area, subarea or division where fishing occurred.
Target TXN Code	CHAR(3)	Not Null	3 alpha code for target taxon.
GTY Code	CHAR(4)	Not Null	Code for the gear used during fishing.
Flag CTY Code	CHAR(3)	Not Null	ISO 3 code for the flag of the fishing vessel(s).
Calendar Year	INTEGER	Not Null	Calendar year (YYYY) when fishing occurred.
Month	INTEGER	Null	Month (MM) when fishing occurred.
FAC Code	CHAR(1)	Not Null	Code for the fishing activity.
VSZ Code	INTEGER	Not Null	Code for the size category of fishing vessels based on gross tonnage.
Catch TXN Code	CHAR(3)	Not Null	3 alpha code for each taxon caught.
Green Weight	FLOAT	Null	Green weight (tonne) of the catch.

## Entity Name : AGGREGATED FISHERY EFFORT

**Entity Definition :** Fishery effort aggregated by Flag State, vessel size category, target species, geographic area, fishing gear, fishing activity, calendar year and month. These data are derived from monthly STATLANT data (form 08B) submitted by CCAMLR Members. Form 08B is used to report monthly fishery statistics on catch and effort in the Southern Ocean and the data form is based on a standard questionnaire originally designed by the Coordinating Working Party On Fisheries Statistics (CWP) for use in global fishery statistics. The STATLANT data are public domain.

Attribute Name	Domain	Null Option Type	Attribute Definition
AFE ID	INTEGER	Not Null	Unique identifier for AGGREGATED FISHERY EFFORT (system generated)
GAR Code	CHAR(5)	Not Null	Geographic area code for the statistical area, subarea or division where fishing occurred.
Target TXN Code	CHAR(3)	Not Null	3 alpha code for target taxon.
GTY Code	CHAR(4)	Not Null	Code for the gear used during fishing.
Flag CTY Code	CHAR(3)	Not Null	ISO 3 code for the flag of the fishing vessel(s).
Calendar Year	INTEGER	Not Null	Calendar year (YYYY) when fishing occurred.
Month	INTEGER	Null	Month (MM) when fishing occurred.
FAC Code	CHAR(1)	Not Null	Code for the fishing activity.
VSZ Code	INTEGER	Not Null	Code for the size category of fishing vessels based on gross tonnage.
Fishing Hours	FLOAT	Null	Total number of hours of fishing.
Fishing Days	INTEGER	Null	Total number of days during which fishing occurred.
Vessel Count	INTEGER	Null	Total number of vessels fishing.
Haul Count	INTEGER	Null	Total number of hauls made during fishing.
Hook Count	INTEGER	Null	Total number of hooks set. Applies to longline fishing only.
Pot Count	INTEGER	Null	Total number of pots set. Applies to pot fishing only.

## Entity Name : AGGREGATED KRILL CATCH

**Entity Definition :** Estimated catch of krill (*Euphausia superba*) aggregated by calendar year, month and small-scale management unit (SSMU; refer [gis.ccamlr.org](http://gis.ccamlr.org)). The catches are derived from monthly STATLANT data (reported at the subarea-level) and the spatial distribution of catches reported in haul-by-haul data (C1). The aggregated data are public domain.

Attribute Name	Domain	Null Option Type	Attribute Definition
AKC ID	INTEGER	Not Null	Unique identifier for AGGREGATED KRILL CATCH (system generated)
Calendar Year	INTEGER	Not Null	Calendar year (YYYY) when fishing occurred.
Month	INTEGER	Not Null	Month (MM) when fishing occurred.
Group SSMU Code	CHAR(2)	Not Null	SSMU group where fishing occurred.
SSMU Code	CHAR(4)	Null	SSMU where fishing occurred.
Krill Green Weight	FLOAT	Not Null	Green weight (tonne) of the catch of krill ( <i>Euphausia superba</i> )
SSMU Scale Data YN	BOOLEAN	Not Null	Was there sufficient data available at the SSMU spatial scale to allocate the catch to a SSMU? Yes/No. If no, catch is allocated at the SSMU group only.

## Entity Name : AGGREGATED TOOTHFISH EXPORTS

**Entity Definition :** Exports and re-exports of toothfish (*Dissostichus eleginoides* and *D. mawsoni*) aggregated by calendar year, Flag state, export state and unloading state. These data are derived from the CCAMLR Catch Documentation Scheme (CDS). The aggregated data are public domain.

Attribute Name	Domain	Null Option Type	Attribute Definition
ATE ID	INTEGER	Not Null	Unique identifier for AGGREGATED TOOTHFISH EXPORTS (system generated)
Calendar Year	INTEGER	Not Null	Calendar year (YYYY) when the product was exported.
TXN Code	CHAR(3)	Not Null	3 alpha code for the toothfish species exported (i.e. <i>Dissostichus eleginoides</i> or <i>Dissostichus mawsoni</i> )
Flag CTY Code	CHAR(3)	Not Null	ISO 3 code for the flag of the fishing vessel(s) which caught the product.
Exporting CTY Code	CHAR(3)	Not Null	ISO 3 code of the country which is exporting the product.
Unlading CTY Code	CHAR(3)	Not Null	ISO 3 code of the country where the exported product was removed from an aircraft, truck, train or vessel.
Exported Product Weight	FLOAT	Not Null	Weight (tonne) of the product exported.
Re-Export YN	BOOLEAN	Not Null	Was this a re-export? Yes/No.

## Entity Name : AGGREGATED TOOTHFISH LANDINGS

**Entity Definition :** Landings of toothfish (*Dissostichus eleginoides* and *D. mawsoni*) aggregated by calendar year, statistical area and Flag state. These data are derived from the CCAMLR Catch Documentation Scheme (CDS). The aggregated data are public domain.

Attribute Name	Domain	Null Option Type	Attribute Definition
ATL ID	INTEGER	Not Null	Unique identifier for AGGREGATED TOOTHFISH LANDINGS (system generated)
Calendar Year	NUMERIC	Not Null	Calendar year (YYYY) when the landing occurred.
GAR Code	CHAR(5)	Not Null	Geographic area code for the statistical area, subarea or division where fishing occurred.
TXN Code	CHAR(3)	Not Null	3 alpha code for the toothfish species exported (i.e. <i>Dissostichus eleginoides</i> or <i>Dissostichus mawsoni</i> )
Flag CTY Code	CHAR(3)	Not Null	ISO 3 code for the flag of the fishing vessel(s) which caught the product.
Landed Product Weight	NUMERIC	Not Null	Weight (tonne) of the product landed.
Estimated Green Weight	NUMERIC	Not Null	Estimated weight (tonne) of the green weight of the product landed (i.e. product weight x default conversion factor used in the CDS).

## Entity Name : REFERENCE DATA COUNTRY

**Entity Definition :** A country or entity or association of countries.

Attribute Name	Domain	Null Option Type	Attribute Definition
CTY Code	CHAR(3)	Not Null	ISO 3 country code.
CTY Name	NVARCHAR(255)	Not Null	Name of the country or entity.

## Entity Name : REFERENCE DATA FISHING ACTIVITY

**Entity Definition :** Type of fishing activity conducted by a vessel (e.g. commercial fishing, fishery survey).

Attribute Name	Domain	Null Option Type	Attribute Definition
FAC Code	CHAR(1)	Not Null	Code for the fishing activity.
FAC Name	NVARCHAR(255)	Not Null	Fishing activity description with reference to CCAMLR conservation measures.

## Entity Name : REFERENCE DATA GEAR

**Entity Definition :** Type of gear used in fishing activities (e.g. midwater otter trawl).

Attribute Name	Domain	Null Option Type	Attribute Definition
GTY Code	CHAR(4)	Not Null	Code for the fishing gear type.
GTY Name	NVARCHAR(255)	Not Null	Fishing gear description.

## Entity Name : REFERENCE DATA GEOGRAPHICAL AREA

**Entity Definition :** A defined geographical area such as a FAO statistical area or other types of areas specific to CCAMLR (e.g. small-scale management unit, SSMU).

Attribute Name	Domain	Null Option Type	Attribute Definition
GAR Code	CHAR(5)	Not Null	Geographic area code.
GAR Name	NVARCHAR(255)	Not Null	The name of the geographic area as it is referred to by CCAMLR (e.g. Subarea 88.1).
GAR Type	CHAR(10)	Not Null	Type of geographic area (e.g. subarea, SSMU).
Parent GAR Code	CHAR(5)	Null	Code for the related, parent geographic area (if applicable).

## Entity Name : REFERENCE DATA TAXON

**Entity Definition :** A unit of taxonomy used to define the hierarchy of a biological classification system. The CCAMLR taxonomy is based on the FAO ASFIS species list.

Attribute Name	Domain	Null Option Type	Attribute Definition
TXN Code	CHAR(3)	Not Null	3 alpha code as assigned by FAO. Only in a few cases re the three letters of the 3-alpha code related to the scientific or English name of the species items. In all other cases the 3 letters are assigned at random.
TXN Name	NVARCHAR(255)	Not Null	The scientific name based on the FAO ASFIS classification. For genus and higher order ranks this is a single name "unomen", for species it is in two parts "binomen" and sub-species have three parts "trinomen".
ASFIS Code	CHAR(13)	Null	FAO ASFIS taxonomic code where the digits relate to the taxonomy for sorting in a manner similar to account codes. eg: MOOFFGGSSNNN M = Main grouping OO = Order or higher taxon level FF = Family GGG = Genus SS= Species NNN = Special case additions for specific distinction defined by FAO
TXN English Name	NVARCHAR(255)	Null	English names as per the FAO ASFIS list of species names unless known to be superseded in Fishbase.
TXN French Name	NVARCHAR(255)	Null	Only French names of species that are recognised by CCAMLR for the production of statistics are considered official.
TXN Spanish Name	NVARCHAR(255)	Null	Only Spanish names of species that are recognised by CCAMLR for the production of statistics are considered official.

TXN Russian Name	NVARCHAR(255)	Null	considered official.  Only Russian names of species that are recognised by CCAMLR for the production of statistics are considered official.
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Entity Name : REFERENCE DATA VESSEL SIZE

**Entity Definition :** Size category of fishing vessels based on gross tonnage. Categories are defined in the STATLANT data form 08B. Categories relevant to CCAMLR fishing vessels are category 7: 250 to <500t; 8: 500 to <1000t; 9: 1000 to <2000t; 10: 2000 to <4000t; 11: 4000 to <10000t;, 12 10000 to < 100000t).

Attribute Name	Domain	Null Option Type	Attribute Definition
VSZ Code	INTEGER	Not Null	Code for the vessel size category, as defined in STATLANT data form 08B.
VSZ Category	NVARCHAR(255)	Not Null	Gross tonnage range for a given vessel size category.