
Alaska Fisheries Information Network

Comprehensive Nontarget



Version History

Date	Author	Change Comments	Version
6/28/2008	Brandon Andrews	Original version	1.0
7/27/2009	Michael Fey	Updated format , sources and fields	2.0
11/10/2010	Michael Fey	Updated with newest list of fields	2.1
12/1/2022	Michael Fey	New Version	3.0

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Summary

AKFIN has developed a series of comprehensive datasets that allow multiple users and analysts across multiple organizations to collaborate and enhance base data sources into a user friendly and vetted format. AKFIN enhances the base data sources by adding fields and joining secondary sources requested by stakeholders and analysts. AKFIN supports the Comprehensive Datasets and provides various access points. The following agencies have provided feedback and insight to help develop the comprehensives:

- The Alaska Department of Fish and Game ([ADF&G](#)),
- The National Marine Fisheries Service, Alaska Regional Office ([AKR](#)),
- The North Pacific Fishery Management Council ([NPFMC](#)),
- The Alaska Fisheries Science Center ([AFSC](#)),
- The Commercial Fisheries Entry Commission ([CFEC](#)), and
- The International Pacific Halibut Commission ([IPHC](#)).

This data is confidential and access is restricted to analysts with special permission. Please contact the AKFIN Project Manager at <http://www.akfin.org/contact-us/> for further information about accessing the data.

Comprehensive Nontarget Overview

The Comprehensive Nontarget is nontarget species group catch sourced from AKR starting in 2003. Nontarget species groups are non-FMP (Fishery Management Plans) species grouped and include; birds-gulls, bivalves, giant grenadiers, large sculpins, scypho jellies and squid. Nontarget species can be retained but are typically considered non-marketable. Analysts utilize the Comprehensive Nontarget to track current and historic interactions between species and gears types.

The `nontarget_estimate_weight` or the `nontarget_estimate_count` would be the fields an analyst would typically use from the Comprehensive Nontarget to determine amounts. Bird species groups are estimated in counts and all other species groups are estimated in weight. The main issue to be aware of with this data source is that species can be moved between the `Comprehensive_Blend_CA` and the `Comprehensive_Nontarget` depending on their status in the FMP. For example, squid was moved to a non-fmp and appears in the `Comprehensive_Nontarget` starting in 2019. Species within a species group can also change through time which may cause some variance depending on the species group.

Auxiliary sources are appended to the base data and used to enhance the Comprehensive Nontarget. For the years 2003-present the source is consistent however AKR and AKFIN treat 2003-2012 differently from 2013-current data.

Base Data Sources

These are the critical sources of data that provide key measures of the comprehensive.

1. Nontarget data with Catch Accounting- `V_CAS_NONTARGET_ECOSYSTEM_CATCH-current`; data provided to AKFIN in weekly feed from AKR. 2003-2012 typically does not change. 2013-current changes periodically. The most recent three-month window is subject to change as new data points affect the estimation process. Data within the most recent three-month window may not be suitable for publication.

Auxiliary Data Sources

Additional data sources are incorporated into the comprehensive to enhance the end product. These are considered valuable fields by the historic user groups. Any further additions or recommendations are welcome. The below list is not intended to encompass all the translations as many value added fields are simple references (e.g. target_fishery_name, a80_vessel_flag). Below are some of the more important or complex sources appended.

1. Processor location information-AKFIN_STATE_PROC_DATA_V; The processor data is pulled from multiple ADFG sources into a procedure to determine the processor information associated with the processor_permit_id received from AKR. The procedure is updated annually in conjunction with eLandings and may lag significantly due to this linkage.
2. CFEC Vessel Characteristics-CFEC_VESSEL_V; vessel licensing data is provided to AKFIN quarterly from CFEC. CFEC provides the VES_VIEW source which has been agreed as the best source for vessel information by multiple user groups.
3. AKR Vessel Characteristics-V_Vessel; AKR vessel table, AKR.VESSEL, is typically similar to CFEC however differences on the FFP may cause some discrepancies. Analysts have historically requested both CFEC and AKR vessel characteristics however it may not be currently needed.

Data Fields

The below table represents the field name, description, datatype and source available in the Comprehensive Nontarget. The description is provided by the agency source when available. Please feel free to contact AKFIN regarding any questions or issues.

Field	Description	Datatype	Source
A80_VESSEL_FLAG	Flag indicating harvesting vessel is an Amendment 80 vessel	CHAR(1)	AKR
AFA_MOTHERSHIP_FLAG	Flag indicating that the processing vessel is an AFA permitted mothership	VARCHAR2(1)	AKR
AFA_VESSEL_FLAG	If the catcher vessel has an AFA permit a Y is placed in this field.	CHAR(1)	AKR
AFA_VESSEL_PERMIT_TYPE	The type of AFA permit that the catcher vessel holds. CV, CP etc.	VARCHAR2(2)	AKR
AGENCY_GEAR_CODE	Gear code (TRW, HAL, POT, JIG, PTR) without translation	VARCHAR2(5)	AKR
AKFIN_LOAD_DATE	Table load date	DATE(7)	AKFIN
AKFIN_VDATE	Date the COMPREHENSIVE_WPR datamart table was refreshed.	DATE(7)	AKFIN
AKFIN_YEAR	Year	VARCHAR2(4)	AKFIN
CATCH_REPORT_TYPE_CODE	Internal code that identifies a type of catch report.	VARCHAR2(6)	AKR
FMP_AREA	FMP Areas (BSAI, GULF, INSD) calculated from NMFS_AREA	VARCHAR2(4)	AKFIN
FMP_GEAR	FMP gear code (TRW, HAL, POT, JIG, OTH) based on translation to NORPAC domestic gear category	VARCHAR2(5)	AKFIN
FMP_SUBAREA	FMP Sub-areas (AI,BS,WG,CG,WY,SE,SEI,PWDI) calculated from NMFS_AREA	VARCHAR2(4)	AKFIN
GF_HARVEST_SECTOR	This field only applies to groundfish and marks if the catcher vessel was acting as a federal catcher processor or a catcher vessel	VARCHAR2(2)	AKFIN
GF_PROCESSING_SECTOR	This field only applies to groundfish and marks if the processor is a federal shoreside plant, a federal catcher processor, or a federal mothership for this fish ticket.	VARCHAR2(2)	AKFIN

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GROUNDFISH_BASIS_WEIGHT	Basis weight in Metric Tons of retained and discarded groundfish for a group of data from v_gg_txn_total_groundfish; the groundfish basis weight is multiplied by the PSCNQ rate to estimate the number or weight of bycatch species	NUMBER(22)	AKR
HARVEST_SECTOR	Identifies distinction between catcher vessel and catcher processor modes of operation.	VARCHAR2(2)	AKR
ITO_ADFG	Processor's ADFG according to ITO/ENCOAR	VARCHAR2(5)	ADFG
ITO_CITY	Processor city	VARCHAR2(50)	ADFG
ITO_CODE	ITO processor code as translated from the AKFIN_PROC_CODE_XREF_V data source	VARCHAR2(5)	ADFG
ITO_COMPANY	Company name	VARCHAR2(50)	ADFG
ITO_PLANT	Processor plant or processing type	VARCHAR2(3)	ADFG
ITO_STATE	Processor state	VARCHAR2(2)	ADFG
ITO_TYPE	Processor type code	VARCHAR2(4)	ADFG
ITO_VNAME	Processor's vessel name according to ITO/ENCOAR	VARCHAR2(50)	ADFG
ITO_YEAR	Most recent year of ITO registration for ITO_CODE	VARCHAR2(4)	ADFG
ITO_ZIP	Processor zip	VARCHAR2(6)	ADFG
KEY	Unique number assigned to catch report rows. System generated pointer used to locate related catch accounting transactions.	VARCHAR2(174)	AKR
NONTARGET_ESTIMATE	Calculated estimate of number or weight in kilograms of nontarget bycatch species; product of the rate multiplied by groundfish basis weight	NUMBER(22)	AKR
NONTARGET_GROUP_CODE	2 digit group id	VARCHAR2(6)	AKR
NONTARGET_GROUP_ID	3 digit species code	NUMBER(22)	AKR
NONTARGET_GROUP_NAME	Name of species	VARCHAR2(35)	AKR
NONTARGET_RATE	Calculated rate of discards for non-CDQ hauls with nontarget bycatch; weights in kilograms for nontarget species only and DOES NOT INCLUDE halibut herring, salmon, or crab.	NUMBER(22)	AKR
NONTARGET_RATE_PRECEDENCE	Highest rate precedence with corresponding criteria used to determine rate	NUMBER(22)	AKR
PSCNQ_PROCESSING_SECTOR	Code representing the processing sector as defined for prohibited species catch (PSC)/non-quota rate creation. Processing sector associated with a non-target rate factor.	VARCHAR2(2)	AKR
REPORTING_AREA_CODE	Code used to identify a federal reporting area.	VARCHAR2(6)	AKR
TRIP_TARGET_CODE	Code representing target fishery calculated for a trip (CV) or a week (CP/M).	VARCHAR2(1)	AKR
TRIP_TARGET_NAME	Description of the observer TRIP_TARGET_CODE	VARCHAR2(60)	AKFIN
VES_AKR_ADFG	Vessel ADF&G number from AKR vessel source	VARCHAR2(5)	AKR
VES_AKR_CG_NUM	Vessel Coast Guard Number from the AKR vessel source	VARCHAR2(10)	AKR
VES_AKR_GROSS_TONNAGE	Vessel gross tonnage from AKR vessel source. Relates to the catcher vessel's total volume. Not to be confused with displacement or weight tonnage..	NUMBER(22)	AKR
VES_AKR_HOMEPORT_CITY	Latest home-port city name for the catcher vessel. When the AKR.V_VESSEL table contains the vessel's ADF&G number this field is sourced from the AKR else it is the same as the VES_CFEC_HOMEPORT_CITY field.	VARCHAR2(40)	AKR
VES_AKR_HOMEPORT_STATE	Latest home-port state code for the catcher vessel. When the AKR.V_VESSEL table contains the vessel's ADF&G number this field is sourced from the AKR else it is the same as the VES_CFEC_HOMEPORT_STATE field.	VARCHAR2(5)	AKR
VES_AKR_HORSEPOWER	Vessel horsepower from AKR vessel source	NUMBER(22)	AKR
VES_AKR_LENGTH	Vessel length overall from AKR vessel source	NUMBER(22)	AKR
VES_AKR_NAME	Vessel name from AKR vessel source	VARCHAR2(60)	AKR
VES_AKR_NET_TONNAGE	Vessel net tonnage from AKR vessel source. Relates to the catcher vessel's usable volume. Equals gross tonnage reduced by the volume occupied by propulsion machinery.	NUMBER(22)	AKR
VES_CFEC_CG_NUM	Vessel Coast Guard number from CFEC vessel source	VARCHAR2(10)	CFEC
VES_CFEC_GROSS_TONNAGE	How much the catcher vessel can displace in metric tons as annually registered with the CFEC. Relates to the catcher vessel's total volume. Not to be confused with displacement or weight tonnage.	NUMBER(22)	CFEC

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VES_CFEC_HOMEPORT_CITY	Vessel homeport city from CFEC vessel source	VARCHAR2(18)	CFEC
VES_CFEC_HOMEPORT_STATE	Vessel homeport state from CFEC vessel source	VARCHAR2(2)	CFEC
VES_CFEC_HORSEPOWER	Vessel horsepower from CFEC vessel source	NUMBER(22)	CFEC
VES_CFEC_I_FILNUM	Vessel owner identifier from CFEC vessel source	VARCHAR2(6)	CFEC
VES_CFEC_LENGTH	Catcher vessel length (feet) as annually registered with the CFEC	NUMBER(22)	CFEC
VES_CFEC_NAME	Vessel name from CFEC vessel source	VARCHAR2(20)	CFEC
VES_CFEC_NET_TONNAGE	Vessel net tonnage from CFEC vessel source. Relates to the catcher vessel's usable volume. Equals gross tonnage reduced by the volume occupied by propulsion machinery	NUMBER(22)	CFEC
VES_CFEC_SEQ_NUM	Vessel sequence number for join to CFEC vessel table	VARCHAR2(3)	CFEC
VES_OWNER_CITY	Catcher vessel owner's city (based on the owner's current address)	VARCHAR2(18)	CFEC
VES_OWNER_HIST_CITY	Vessel owner's city (based on the owner's historic address)	VARCHAR2(18)	CFEC
VES_OWNER_HIST_STATE	Vessel owner's state (based on the owner's historic address)	VARCHAR2(2)	CFEC
VES_OWNER_HIST_ZIP	Vessel owner's zip (based on the owner's historic address)	VARCHAR2(9)	CFEC
VES_OWNER_NAME	Catcher vessel owner's name	VARCHAR2(30)	CFEC
VES_OWNER_NAMTYP	Catcher vessel owner's name type (business name, personal name etc)	VARCHAR2(1)	CFEC
VES_OWNER_STATE	Catcher vessel owner's state (based on the owner's current address)	VARCHAR2(2)	CFEC
VES_OWNER_ZIP	Catcher vessel owner's zip (based on the owner's current address)	VARCHAR2(9)	CFEC
VESSEL_ID	The unique identifier of a vessel.	NUMBER(22)	AKR
WED	WEEK_END_DATE value reformatted as MMDD	VARCHAR2(4)	AKR
WEEK_END_DATE	Uses AKFIN.AKFIN_DATE_D to translate the ADFG_H_DATE_LANDED into a week-ending date. The last day in a calendar week.	DATE(7)	AKFIN
YEAR	Four digit calendar year (e.g. '1998') in which haul occurred.	VARCHAR2(4)	AKR
YEAR	Four digit calendar year (e.g. '1998') in which haul occurred.	VARCHAR2(4)	AKR