# 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 |
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# Executive Summary

Commissioned by the [North Pacific Fishery Management Council](#) (NPFMC, The Council), the COMPREHENSIVE datasets are a set of views and tables that are generated using a specific compilation of Base Data Sources from:

- 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](#)).

Auxiliary Data from the agencies data and AKFIN-built data sources and logic have been incorporated to further define the records and associated entities. The fields are added specifically to the views, with some fields being present across the datasets allowing for joins. The COMPREHENSIVE_* dataset tables are all generated by selecting all records from the COMPREHENSIVE _*_V views. Thus the scripts defining the Views contain all the logic on how the data is generated. The wildcard (*) covers all the datasets listed in this set of documents.

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/](http://www.akfin.org/contact-us/) for further information about accessing the data.

# Comprehensive Nontarget Data

AKFIN developed a comprehensive view of the data from the National Marine Fisheries Service – Alaska Region (AKR). The combination of the Nontarget data, along with the auxiliary fields appended by AKFIN, were compiled into the view and then loaded to the final datamart table: COMPREHENSIVE_NONTARGET.

## *Base Data*

The base source data is provided by National Marine Fisheries Service – Alaska Region (AKR) and is available only for 2003 and later.

1. AKR.GG_NONTARGET_ESTIMATE

The comprehensive datamart table, COMPREHENSIVE_NONTARGET, is generated by selecting all records from the view COMPREHENSIVE_NONTARGET_V.

## Base Data Fields

The following fields were included from the agency-sourced nontarget table for the associated datamart, COMPREHENSIVE_NONTARGET:

| Comprehensive Nontarget Base Fields | | |
|---|---|---|
| **Column** | **Description** | **Source** |
| YEAR | Four digit calendar year (e.g. '1998') | Cast (Akr.gg_nontarget_estimate.year as varchar(4)) |
| CATCH_REPORT_TYPE_CODE | Internal code that identifies a type of catch report | Akr.gg_nontarget_estimate.catch_report_type_code |
| WEEK_END_DATE | Formatted week ending date | Akr.gg_nontarget_estimate.week_end_date |
| REPORTING_AREA_CODE | Code used to identify a federal reporting area | Akr.gg_nontarget_estimate.reporting_area_code |
| AGENCY_GEAR_CODE | Gear code (TRW, HAL, POT, JIG, PTR) without translation | Akr.gg_nontarget_estimate.agency_gear_code |
| TRIP_TARGET_CODE | Code representing target fishery | Akr.gg_nontarget_estimate.trip_target_code |
| KEY | Unique number assigned to catch report rows.  System generated pointer used to locate related catch accounting transactions. | Akr.gg_nontarget_estimate.ca_referenct_key |
| PSCNQ_PROCSSING_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. | Akr.gg_nontarget_estimate.pscnq_processing_sector |
| HARVEST_SECTOR | Identifies distinction between catcher vessel and catcher processor modes of operation | Akr.gg_nontarget_estimate.harvest_sector |
| VESSEL_ID | The unique identifier of a vessel. | Akr.gg_nontarget_estimate.vessel_id |
| GROUNDFISH_BASIS_WEIGHT | Basis weight 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 | Akr.gg_nontarget_estimate.groundfish_basis_weight |
| SPECIES_GROUP_ID | Code that identifies the species group to which the Alaska Region's agency species code translates | Akr.gg_nontarget_estimate.nontarget_group_id |
| SPECIES_GROUP_CODE | Unique identifier of the species group | Akr.gg_nontarget_estimate.nontarget_group_code |
| SPECIES_GROUP_NAME | Description of the observer SPECIES_GROUP_ID field based on the AKR species table and supplemented with the council SPECIES_GROUP_CODES table | Akr.gg_nontarget_estimate.nontarget_group_name |
| NONTARGET_RATE | Calculated rate of discards for non-CDQ hauls with nontarget bycatch; weights for nontarget species only | Akr.gg_nontarget_estimate.nontarget_rate |

| Comprehensive Nontarget Base Fields | | |
|---|---|---|
| Column | Description | Source |
| | and DOES NOT INCLUDE halibut herring, salmon, or crab. | |
| NONTARGET_ESTIMATE | Calculated estimate of number or weight of nontarget bycatch species; product of the rate multiplied by groundfish basis weight | Akr.gg_nontarget_estimate.nontarget_estimate |
| AKFIN_LOAD_DATE | Table load date | Akr.gg_nontarget_estimate.akfin_load_date |

## *Auxiliary Data Sources*

In addition to these sources, other agency and AKFIN-built data sources and logic have been incorporated to further define the Nontarget record and associated entities.

### ADF&G Sources

- **Groundfish Statistical Areas** - The ADFG.GF_STATAREA table is used to translate the ADF&G stat areas to the NMFS reporting areas.
- **Intent to Operate (ITO) -** The source for processor and processor owner information from the processors yearly Intent to Operate data sourced by the ADFG.E_VIEW_TBLITO sources and associated lookup tables.

### CFEC Sources

- **Vessel Information** – Used to source the State vessel registration in the VES_CFEC_, VES_I_, VES_OWNER_ and VES_OWNER_HIST fields, this includes a combination of the CFEC VES_VIEW, VAC_VIEW, PPL_VIEW and ADR_VIEW tables. CFEC variables reflect the value based on the date landed. Homeport values were entered the first time the vessel was registered.

### NMFS AKR Sources

- **Permit Information** - The AKR views and tables V_AFA_PERMIT, and A80_OFFICAL_RECORD used to obtain federal permit information.
- **Species Lookups –** TARGET_FISHERY table used to append descriptions of the AKR target fishery codes.
- **Vessel Information** - The AKR view V_VESSEL is used to add current vessel characteristics to the data such as the vessel length, horsepower, home-port, and net tonnage.

### NPFMC Sources

- **NPFMC Species Data** – The NPFMC species translation table, COUNCIL.SPECIES_GROUP_CODES, was used to supplement the species group descriptions.

### AKFIN Sources

- **ITO Vessel Corrections –** The ITO_ADFG field is populated using the ITO_VESSEL_CORRECTIONS table that maintains a yearly correction to the processor ADF&G number for federal catcher/processors.
- Processor Code Cross Reference – The AKFIN-built process that translates the State ITO code

to federal processor code, AKFIN_PROC_CODE_XREF_V, was incorporated to populate the ITO_CODE field.

## *Auxiliary Data Fields*

The following table contains the fields appended to the base source fields from the AKR Nontarget data sources in the COMPREHENSIVE_NONTARGET_V view.

| Comprehensive Nontarget Auxiliary Fields | | |
|---|---|---|
| Column | Description | Source |
| A80_VESSEL_FLAG | Flag indicating processing vessel is an Amendment 80 vessel | CASE WHEN afav.permit_number IS NOT NULL THEN 'Y' ELSE 'N' END |
| AFA_MOTHERSHIP_FLAG | Flag indicating processing vessel is an AFA mothership | NVL (afav.afa_mothership_flag, 'N') |
| AFA_VESSEL_FLAG | Flag indicating the processing vessel has an AFA endorsement | CASE WHEN afav.permit_number IS NOT NULL THEN 'Y' ELSE 'N' END |
| AFA_VESSEL_PERMIT_TYPE | The type of AFA permit that the catcher vessel holds. CV, CP etc. | afav.permit_type |
| FMP_AREA | FMP Area grouping of BSAI, GOA, and INSD | FMP area translated from the FMP_AREA_V view |
| FMP_SUBAREA | FMP Sub Area grouping of BS, AI, WG, WY, etc. | FMP sub area translated from the FMP_AREA_V view |
| FMP_GEAR | Modified gear code that groups BTR, PTR, and NPT into TRW gear group | CASE WHEN gear IN ('BTR','PTR','NPT') THEN 'TRW' ELSE nontarget.agency_gear_code END |
| ITO_ADFG | Processor's ADFG according to ITO/ENCOAR | ITO/ENCOAR ADFG vessel number (ADFG_VESSEL_NUM) |
| ITO_CITY | Processor city | ITO/ENCOAR processor's address (PR_CITY) |
| ITO_CODE | ITO processor code as translated from the AKFIN_PROC_CODE_XREF_V data source | Processor Code Cross References ITO code translation (ITO_CODE) |
| ITO_COMPANY | Company name | ITO/ENCOAR company name or business (OP_CO_NAME_BUSINESS) |
| ITO_PLANT | Processor plant or processing type | ITO/ENCOAR plant (PLANT) |
| ITO_STATE | Processor state | ITO/ENCOAR processor's address (PR_STATE) |
| ITO_TYPE | Processor type code | ITO/ENCOAR type code (E_PROC_TYPE) |
| ITO_VNAME | Processor's vessel name according to ITO/ENCOAR | ITO/ENCOAR facility/vessel name for vessels (OP_PR_FACILITY_VESSEL_NAME) |
| ITO_YEAR | Most recent year of ITO registration for ITO_CODE | ITO/ENCOAR operation year (OP_YEAR) |
| ITO_ZIP | Processor zip | ITO/ENCOAR processor's address (PR_ZIP1) |
| TRIP_TARGET_NAME | Description of the trip target code | AKR Target Fishery Table (NAME) |
| VES_AKR_ADFG | Vessel ADF&G number from AKR vessel source | AKR Vessel (ADFG_NUMBER) |
| VES_AKR_CG_NUM | Vessel Coast Guard Number from the AKR vessel source | AKR Vessel (COAST_GUARD_NUMBER) |
| VES_AKR_GROSS_TONNAGE | Vessel gross tonnage from AKR vessel source | AKR Vessel (GROSS_TONNAGE) |
| VES_AKR_HOMEPORT_CITY | Vessel homeport city from AKR vessel source | AKR Vessel (HOMEPORT_CITY_NAME) |
| VES_AKR_HOMEPORT_STATE | Vessel homeport state from AKR vessel source | AKR Vessel (HOMEPORT_STATE_CODE) |

| | | |
|---|---|---|
| VES_AKR_HORSEPOWER | Vessel horsepower from AKR vessel source | AKR Vessel (SHAFT_HORSEPOWER) |
| VES_AKR_LENGTH | Vessel length overall from AKR vessel source | AKR Vessel (LENGTH_OVERALL) |
| VES_AKR_NAME | Vessel name from AKR vessel source | AKR Vessel (NAME) |
| VES_AKR_NET_TONNAGE | Vessel net tonnage from AKR vessel source | AKR Vessel (NET_TONNAGE) |
| VES_CFEC_CG_NUM | Vessel Coast Guard number from CFEC vessel source | CFEC Vessel (V_CGNO) |
| VES_CFEC_GROSS_TONNAGE | Vessel gross tonnage from CFEC vessel source | CFEC Vessel (V_GRSTON) |
| VES_CFEC_HOMEPORT_CITY | Vessel homeport city from CFEC vessel source | CFEC Vessel (V_HPCITY) |
| VES_CFEC_HOMEPORT_STATE | Vessel homeport state from CFEC vessel source | CFEC Vessel (V_HPST) |
| VES_CFEC_HORSEPOWER | Vessel horsepower from CFEC vessel source | CFEC Vessel (V_HPOWER) |
| VES_CFEC_I_FILNUM | Vessel owner identifier from CFEC vessel source | CFEC Vessel (I_FILNUM) |
| VES_CFEC_LENGTH | Vessel length from CFEC vessel source | CFEC Vessel (V_LENGTH) |
| VES_CFEC_NAME | Vessel name from CFEC vessel source | CFEC Vessel (V_VNAME) |
| VES_CFEC_NET_TONNAGE | Vessel net tonnage from CFEC vessel source | CFEC Vessel (V_NETTON) |
| VES_OWNER_CITY | Vessel owner city based on CFEC owner's current address | CFEC People (A_CITY) |
| VES_OWNER_NAME | Vessel owner's name from CFEC vessel source | CFEC People (I_NAME) |
| VES_OWNER_NAMTYP | Vessel owner's name type from CFEC vessel source | CFEC People (I_NAMTYPE) |
| VES_OWNER_STATE | Vessel owner city based on CFEC owner's current address | CFEC People (A_STATE) |
| VES_OWNER_ZIP | Vessel owner zip code based on CFEC owner's current address | CFEC People (A_ZIP) |
| VES_OWNER_HIST_CITY | Catcher vessel owner's city (based on the owner's *historic* address) | CFEC.PPL_VIEW.A_CITY or CFEC.ADR_VIEW.A_CITY depending on which is the historic value |
| VES_OWNER_HIST_STATE | Catcher vessel owner's state (based on the owner's *historic* address) | CFEC.PPL_VIEW.A_STATE or CFEC.ADR_VIEW.A_STATE depending on which is the historic value |
| VES_OWNER_HIST_ZIP | Catcher vessel owner's zip (based on the owner's *historic* address) | CFEC.PPL_VIEW.A_ZIP or CFEC.ADR_VIEW.A_ZIP depending on which is the historic value |
| VES_CFEC_SEQ_NUM | Vessel sequence number for join to CFEC vessel table | CFEC Vessel (V_VESSEQ) |
| WED | Formatted week ending date | TO_CHAR(WEEK_END_DATE, 'MMDD') |
| GF_PROCESSING_SECTOR | Altered to include processing sector corrections | |
| GF_HARVEST_SECTOR | Altered to include harvest sector corrections | |
| AKFIN_YEAR | Year of record | YEAR |
| AKFIN_VDATE | Date the COMPREHENSIVE_NONTARGET datamart table was refreshed. | |