Alaska Fisheries Information Network

Comprehensive Blend/Catch Accounting

Date	Author	Change Comments	Version
08/01/2008	Brandon Andrews	Original version	1.0
12/29/2008	A.K. Zebdi	Updated version with reformatting and use of template.	2.0
3/9/2009	Camille Kohler	Updated with newest list of fields and sources	2.1
11/9/2009	Michael Fey	Updated with newest list of fields and sources	2.2
11/10/2010	Michael Fey	Updated with newest list of fields	2.3
06/17/2013	Michael Fey	Updated with newest list of fields and sources	2.4
05/24/2022	Michael Fey	New Version	3.0

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 Blend CA Overview

The Comprehensive Blend CA is a combination of the landing sources from AKR starting in 1991. The groundfish species identified in the FMPs (Fishery Management Plans) are included in the primary Catch Accounting dataset in both retained amounts and discarded amounts. Catch Accounting uses a combination of industry reports and onboard observer information to provide an estimate of total catch and bycatch. Industry reported data consists of catch (landing reports) and processed product amounts (production reports). Landing reports are currently electronically recorded and submitted to NMFS via eLandings. The observer data are collected by the Alaska Fisheries Science Center (AFSC) using a stratified sampling design.

The weight_posted would typically be the feild analysts would use to evaluate the Comprehensive Blend CA however the dataset is a primary dataset and is often the best source to determine season lengths, vessel participation and other secondary metrics.

Auxiliary sources are appended to the base data and used to enhance the Comprehensive Blend CA. The source of the Comprehensive Blend CA changes in 2003 from the blend data (v_blend) to the current Catch Accounting (CA) source, v_cas_txn_primary_all. The data prior to 2003 is largely static and changes would not be expected. There are many caveats to the data from 1991-2002, for example management programs and statistical areas are not available prior to 2003. Vessel counts are also problematic in this earlier period, for these reasons and others analysts should use extra caution when querying data prior to 2003.

For the years 2003-present the source is consistent however AKR and AKFIN treat 2003-2012 differently from 2013-current data. At this time halibut landings are reported in the comprehensive after 2012.

Base Data Sources

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

1. Landings data prior to Catch Accounting-V_BLEND 1991-2002; data provided to AKFIN in weekly feed from AKR however it is a static source.
2. Landing data with Catch Accounting-V_CAS_TXN_PRIMARY_ALL 2003-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.
4. Ex-Vessel Prices; CFEC prices are sourced from the gross earnings file and appended to the Comprehensive. Preliminary prices are typically available in June to July of the following year. Prices are appended as a processor specific level when possible and would subject to confidentiality guidelines.
5. Wholesale Value-NMFS_Wholesale_Groundfish_Prices; Aggregated values/prices from COAR Production are appended typically around June of the following year.

Data Fields

The below table represents the field name, description, datatype and source available in the Comprehensive Blend_CA. 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_PROCESSOR_FLAG	Flag indicating processing vessel is an Amendment 80 vessel	CHAR(1	AKR
A80_VESSEL_FLAG	Flag indicating harvesting vessel is an Amendment 80 vessel	CHAR(1	AKR
ADFG_STAT_AREA_CODE	6-digit numeric code representing the ADFG statistical area that the fishing activity occurred in.	VARCHAR2(25	AKR
AFA_COOP_ID	Unique identifier of the American Fisheries Act pollock cooperative.	NUMBER,	AKR
AFA_MOTHERSHIP_FLAG	Flag indicating that the processing vessel is an AFA permitted mothership	VARCHAR2(1	AKR
AFA_PROCESSOR_FLAG	If the processing entity holds an AFA permit a Y is placed in this field	CHAR(1	AKR
AFA_PROCESSOR_PERMIT_TYPE	The type of AFA permit that the processor holds. CP, IS, MS etc.	VARCHAR2(2	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	The NMFS AK region code for the gear used during the fishing activity, (e.g. 'NPT', 'PTR', 'HAL', 'POT', 'JIG').	VARCHAR2(20	AKR
AGENCY_SPECIES_CODE	The NMFS AK region code for the individual species. May be null for estimates calculated for species groups that may contain multiple species.	VARCHAR2(20	AKR
AKFIN_LOAD_DATE	Date the data from the sources were last loaded into the AKFIN database	DATE,	AKFIN
AKFIN_SPECIES_CODE	Species grouping developed by AKFIN; the groundfish groupings relevant to the Comprehensive Blend CA are PCOD (Pacific cod), ROCK (rockfish), OTHR (other), FLTF (flatfish), PLCK (pollock), AMCK (Atka mackerel), SABL (sablefish)	CHAR(4	AKFIN
AKFIN_VDATE	Date the comprehensive table was refreshed.	DATE,	AKFIN
AKFIN_YEAR	Year	INTEGER,	AKFIN
AKR_STATE_FEDERAL_WATERS_CODE	Character code indicating whether the fishing occurred in 'S'tate (inside 3 miles) or 'F'ederal (outside 3 miles) waters.	VARCHAR2(1	AKR
AKR_STATE_FISHERY_FLAG	Y/N flag indicating whether the fishing activity occurred within a state fishery, determined by area, (in state waters) gear, target species, and whether or not an applicable season for a state fishery is open.	VARCHAR2(1	AKR
AVG_SST_CELSIUS	Average Sea Surface Temperature in degrees Celsius	NUMBER,	AFSC
BSAI_PROCESSING_SECTOR	Code representing processing operations in the Bering Sea and Aleutian Islands: S = shoreside, M = mothership, CP = catcher processor.	VARCHAR2(8	AKR
CATCH_ACTIVITY_DATE	Generally, the calendar date of the fishing activity. Represents a date standardized across report types in order to associate catch data from different reporting sources with different reporting periods. For observer hauls, the catch activity date is the haul date, (retrieval date). For landing reports, the catch activity date is the reported date fishing began. For production reports, the catch activity date is the weekend date of the day of the report. Catch activity date for landing reports is overwritten with the date fishing began from the associated set of haul records comprising the trip for the landing report when this set of hauls can be unambigously determined from the haul data.	DATE,	AKR
CATCH_REPORT_SOURCE_PK	Numeric identifier of the catch report from which this species amount was either reported or estimated.	VARCHAR2(189	AKR
CATCH_REPORT_SPECIES_FACT_PK	Numeric id of the catch report species record from which this species amount was reported. Null if the amount was estimated.	VARCHAR2(40	AKR
CATCH_REPORT_TYPE_CODE	Character code that identifies the type of catch report from which this transaction originated: CDQ = CDQ Catch Report, ELLR = eLandings Landing Report, ELPR = eLandings Production Report, OBS = Observer haul, SLOG = Shoreside Logbook, SWPR = Shoreside Weekly Production Report, VWPR = Vessel Weekly Production Report.	VARCHAR2(6	AKR
CATCHER_VESSEL_ID	The numeric identifier for the state of the vessel conducting the fishing activity in the warehouse (AKFISH_REPORT.VESSEL dimension	NUMBER,	AKR
CDQ_FLAG	Y or N indicating whether the vessel/account is participating in the CDQ Program.	CHAR(1	AKFIN
CDQ_GROUP_ID	Community Development Quota group number (51-56).	NUMBER,	AKR
CDQ_GROUP_NAME	CDQ Group name from the AKR CDQ Group Table	VARCHAR2(60	AKR
DEPLOYMENT_TRIP_END_DATE	The day the deployment trip ended. This date is computed by associating multiple data sources (i.e. hauls and landings, or hauls and production reports) to determine the dates of the entire trip	DATE,	AKR
DEPLOYMENT_TRIP_PK	Numeric value used to group transactions from the same deployment trip.	NUMBER,	AKR
DEPLOYMENT_TRIP_START_DATE	The day the deployment trip began. This date is computed by associating multiple data sources (i.e. hauls and landings, or hauls and production reports) to determine the dates of the entire trip	DATE,	AKR

EL_REPORT_ID	If this transaction is derived from eLandings data, the value in this column represents the unique identifier of the landing report (if catch report type is ELLR) or the production report (if ELPR). If the transaction is not derived from eLandings data, the column will have a null value.	NUMBER,	AKR
EXVES_PRICE_LB	Ex-Vessel price in nominal dollars per pound appended from CFEC gross earnings file via an algorithm AKFIN developed under the Gross Earnings workgroup	NUMBER,	AKFIN
EXVES_VALUE	Nominal ex-vessel value of the record in Catch-Accounting, multiplies retained landings by the weight posted	NUMBER,	AKFIN
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 translating agency_gear_code PTR and NPT to TRW	VARCHAR2(20	AKFIN
FMP_GROUNDFISH_FLAG	Flag groundfish species that are in the fishery management plan	CHAR(1	AKFIN
FMP_SUBAREA	FMP Sub-areas (AI,BS,WG,CG,WY,SE,SEI,PWDI) calculated from NMFS_AREA	VARCHAR2(6	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(3	AKFIN
GF_PRICING_FLAG	Flags groundfish species that are priced through the pricing algorithm	CHAR(1	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(8	AKFIN
GOA_PROCESSING_SECTOR	Code representing processing operations in the Gulf of Alaska: I = inshore, O = offshore.	VARCHAR2(3	AKR
HARVEST_SECTOR	The harvest sector of the fishing activity. 'CV' = Catcher Vessel, 'CP' = Catcher/Processor.	VARCHAR2(3	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(6	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
MANAGEMENT_PROGRAM_CODE	The code representing the management program governing the fishing activity. e.g. 'OA', 'CDQ', 'RP', 'A80', 'IFQ', etc. For landing and production reports, the management program is reported by the processor submitting the report. For observer data, the management program is determined by the catch accounting system based on attributes of the vessel and fishing activity being reported (management program membership?, checked-in?, IFQ flag?, etc.) .	VARCHAR2(4	AKR
MONITORING_STATUS	Indicates the monitoring status of the deployment trip (e.g., NO_MONITORING, AT_SEA, AT_SEA_WITH_SALMON_CENSUS, FIXED_GEAR_EM, TRAWL_EM, TRAWL_EM_WITH_SHORESIDE).	VARCHAR2(50	AKR
PRICE_SPEC_GRP	Species grouping developed by AFSC; only includes groundfish PCOD (Pacific cod), ROCK (rockfish), OTHR (other), FLAT (flatfish), PLCK (pollock), AMCK (Atka mackerel), SABL (sablefish)	VARCHAR2(4	AKFIN
PRICE_TON	Nominal wholesale price of a ton of groundfish, aggregated estimates	NUMBER,	AKFIN
PRIMARY_ACCOUNT	The numeric identifier of an account that the species amount posted to.	NUMBER,	AKR
PRIMARY_ACCT_NAME	Descriptive name of the account catch posted to	VARCHAR2(100	AKR
PRIMARY_ACCT_SEASON	A descriptive name of the season the catch posted to, if any	VARCHAR2(100	AKR
PROC_VES_ADFG	Populated from CFEC through AKR if a vessel acted as the processor	VARCHAR2(5	AKR

PROC_VES_GROSS_TONNAGE	Populated from CFEC through AKR if a vessel acted as the processor	NUMBER(6),	AKR
PROC_VES_HOMEPORT_CITY	Populated from CFEC through AKR if a vessel acted as the processor	VARCHAR2(40	AKR
PROC_VES_HOMEPORT_STATE	Populated from CFEC through AKR if a vessel acted as the processor	VARCHAR2(5	AKR
PROC_VES_LENGTH	Populated from CFEC through AKR if a vessel acted as the processor	NUMBER(3),	AKR
PROC_VES_NAME	Populated from CFEC through AKR if a vessel acted as the processor	VARCHAR2(60	AKR
PROC_VES_NET_TONNAGE	Populated from CFEC through AKR if a vessel acted as the processor	NUMBER(6),	AKR
PROC_VES_SHAFT_HORSEPOWER	Populated from CFEC through AKR if a vessel acted as the processor	NUMBER(6),	AKR
PROCESSOR_PERMIT_ID	Processor identification provided by AKR, corresponds to a FPP	VARCHAR2(6	AKR
PSCNQ_PROCESSING_SECTOR	Code representing the processing sector for the fishing activity. 'CP' = Catcher/Processor, 'M' = Mothership, 'S' = Shoreside.	VARCHAR2(3	AKR
REPORTING_AREA_CODE	The code for the federal reporting area (e.g. '541') in which the fishing activity occurred.	VARCHAR2(25	AKR
RETAINED_OR_DISCARDED	R = Retained, D = Discarded.	VARCHAR2(1	AKR
SAMPLING_STRATA	Code representing the observer selection method applicable to the fishing activity. Beginning with the observer restructuring program in 2013, vessels that have partial observer coverage will be required to carry an Observer on a trip-by-trip basis according to a random selection method if the vessel is > 57.5 feet ('T'rip selection method). Catcher vessels fishing hook and line or pot that are under 57.5 feet were randomly selected to carry observer based on a vessel-by-vessel approach ('V'essel selection method) in 2013 and 2014 and then on a trip-by-trip basis 2015 onward.	VARCHAR2(25	AKR
SAMPLING_STRATA_DEPLOYMENT_CATEGORY	The deployment category the vessel was operating within for this fishing event; e.g. Full Coverage, Partial Coverage, or Old Program (prior to 2013 restructure).	VARCHAR2(255	AKR
SAMPLING_STRATA_NAME	Descriptive name for the grouping criteria (sampling strata) used to determine the selection rates for vessels	VARCHAR2(255	AKR
SAMPLING_STRATA_SELECTION_RATE	A whole number representing the selection rate percentage for the sampling strata.	NUMBER,	AKR
SPECIAL_AREA_CODE	Character code for a special area that the fishing activity occurred in, e.g. 'COBLZ', 'CVOA', etc.	VARCHAR2(25	AKR
SPECIAL_AREA_NAME	The name of the special area in the NMFS AKR database (MANAGEMENT_AREA table)	VARCHAR2(60	AKR
SPECIES_GROUP_CODE	The character code for the species group (e.g. 'HLBT').	VARCHAR2(5	AKR
SPECIES_GROUP_NAME	The name for the species group (e.g. 'Other Rockfish').	VARCHAR2(64	AKR
SPECIES_NAME	The NMFS AK region name for the individual species. May be null for estimates calculated for species groups that may contain multiple species.	VARCHAR2(60	AKR
STDDEV_SST_CELSIUS	Standard deviation of sea surface temperature in degrees Celsius	NUMBER,	AFSC
TRIP_TARGET_CODE	The one-character code representing the target fishery (TARGET_FISHERY table) based on the predominant species in the retained catch in the catch report or reports making up the trip for the fishing activity. Reports are grouped into trips based on TRIP_TARGET_DATE which is defined according to report type.	VARCHAR2(1	AKR
TRIP_TARGET_DATE	A standardized date used to aggregate catch data across multiple reports to calculate the trip target species. For landing reports and observer hauls from CVs, the trip target date is the reported fishing start date. For observer hauls from CPs and Motherships, the trip target date is the weekend date (Saturday) of the haul date. For production reports, it is the weekend date of the report date.	DATE,	AKR
TRIP_TARGET_NAME	Name of the target fishery, legacy translation maintained by AKFIN	VARCHAR2(60	AKFIN
TRWEMTRIP_FLAG	Flags trips from dLandings in which Trawl EM was utilized	CHAR(1	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(6),	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(6),	AKR
VES_AKR_LENGTH	Vessel length overall from AKR vessel source	NUMBER(3),	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 vesselâ¿¿s usable volume. Equals gross tonnage reduced by the volume occupied by propulsion machinery.	NUMBER(6),	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,	CFEC
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,	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,	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 vesselâ¿¿s usable volume. Equals gross tonnage reduced by the volume occupied by propulsion machinery	NUMBER,	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 numeric identifier of the vessel conducting the fishing activity in the NMFS AKR database (VESSEL table).	NUMBER,	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,	AKFIN
WEIGHT_POSTED	The amount of the species in metric tons. In the case of directed halibut.	NUMBER,	AKR
WHOLESALE_VALUE	Value in real dollars appended through a AFSC pricing algorithm from COAR	NUMBER,	AKFIN
YEAR	Four-digit calendar year during which the fishing activity took place.	VARCHAR2(4	AKR