Alaska Fisheries Information Network

Comprehensive Fish Tickets

Version History

Date	Author	Change Comments	Version
10/28/2008	Brandon Andrews	Original version	1.0
12/29/2008	A.K. Zebdi	Updated version with reformatting and use of template.	2.0
04/06/2009	Michael Fey	Updated with newest list of fields and sources.	2.1
11/10/2010	Michael Fey	Updated with newest list of fields.	2.2
06/17/2013	Michael Fey	Updated with newest list of fields and sources.	2.3

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/ for further information about accessing the data.

Comprehensive Fish Ticket Data

Fish ticket data from the Alaska Department of Fish and Game (ADF&G), as compiled by the Commercial Fisheries Entry Commission (CFEC), is a principal information source for council analyses. To provide a more complete and unified information resource for the analysis and management of existing and developing fisheries, AKFIN enhances this base data by adding extra fields to create a comprehensive fish ticket table.

Base Data

Several data sources combined to create the final view COUNCIL.COMPREHENSIVE_FT_V. The base source of fish ticket data is provided by ADF&G and enhanced by CFEC. This source contains information on species landed, weight, gear used, and harvest dates, as well as permit, vessel, and processor identifiers. Information specific to each fishery is also collected when the catch is delivered. Value-added products from the CFEC compiled version of the fish tickets includes: vessel and permit information, anomaly corrections, and ex-vessel value.

This final database view, COMPREHENSIVE_FT_V, filters some fisheries from the fish ticket data in accordance with an agreement with ADF&G that we cannot provide complete fish ticket data to the council. Three views are used to populate the final fish ticket data source:

1. FT_BASE_V – Appends the non-fishery specified variables to the source fish ticket table from CFEC.AKFIN_FISH_TICKETS.
2. FT_GROUNDFISH_V - appends groundfish-specific variables to FT_BASE_V.
3. COMPREHENSIVE_FT_V - Filters FT_GROUNDFISH_V to remove the following fisheries

> per AKFIN's agreement with ADF&G:
>> a. S 04P - SALMON, GILL NET, UPPER YUKON
>> b. S 08P - SALMON, FISHWHEEL, UPPER YUKON
>> c. R 18B - CLAMS, SHOVEL, STATEWIDE

The comprehensive fish ticket datamart table, COMPREHENSIVE_FT, is generated by selecting all records from the view COMPREHENSIVE_FT_V.

Auxiliary Data

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

ADF&G Sources

- **Groundfish Statistical Areas** - The GF_STATAREA table is used to translate the ADF&G stat areas to the NMFS reporting areas and to management areas.
- **Salmon Herring Statistical Areas** – SALM_HERR_STAT_AREA is used to translate statistical area to management areas
- **Shellfish Statistical Areas** – I_STAT_AREA is used to translate statistical area to management 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.
- **Port –** The ADFG..PORT table was used to provide the port city and state information based on port code
- **Species –** The ADFG.SPECIES table was used to provide a common species name based on the species code

NMFS AKR Sources

- **Permit Information** - The AKR views and tables V_AFA_PERMIT, and A80_OFFICAL_RECORD are used to obtain federal permit information.
- **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.
- **CDQ Group –** The AKR.CDQ_GROUP table was used to provide a description of the CDQ group code.

CFEC Sources

- **Vessel Information** – Used to source the State vessel registration in the VES_CFEC_, VES_I_, VES_OWNER_ and VES_OWNER_HIST fields. These sources also populated the VES_AKR_ fields when no federal registration is available. CFEC variables reflect the value based on the date landed. Homeport values were entered the first time the vessel was registered.
- **Pricing Information** Two fields, PRC_CHANGE_DATE and PRC_PRELIM_FLAG, are included from the PRICE table provided by CFEC. These indicate the status of ex-vessel prices as applied to the fish tickets.

AKFIN Sources

- **Vessel Corrections -** The N_ADFG is added from the AKFIN Vessel Corrections Process. An AKFIN-built process identifies vessel identifier anomalies and all records not found in the AKFIN_VESSEL_CORRECTIONS table are populated using the CFEC_CORRECTED_ADFG field.

- **Enhanced Statistical Areas -** In addition to the ADF&G provided statistical area to federal reporting area translation AKFIN provides FMP_AREA, FMP_SUBAREA, INSIDE_WATERS, GF_REG_AREA, and GF_AREA. These translations are only available to the fish tickets which use the ADF&G groundfish statistical areas. The database view STAT_AREA_V contains the logic for applying these area translations.

- **Exclusion Variables** - Exclusion variables from the AKFIN Exclusion Process have been appended based on the fish ticket's processor code field (ADFG_H_PROCESSOR_CODE). These are: GF_MOTHERSHIP_FLG, GF_EXCLUDE_CP_FLG, GF_PROCESSING_SECTOR, and GF_HARVEST_SECTOR. These fields distinguish the groundfish harvest processed by federal catcher/processors and are applied only to the groundfish tickets.

- **IPHC Port Codes** – An AKFIN-enhanced table was used to translate the IPHC port code value to ADF&G port code value in the N_PORT field.

- **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 PROCESSOR_FFP field.

- **Targeting** - A targeting algorithm that attempts to use the AKR logic is applied to provide an individual ticket target and a weekly target. The PRIMEX_SPP table is sourced to provide the AKR target species groupings used in the GF_TARGET_FT and GF_TARGET_WED fields.

Definitions for the Base Source fields as well as the AKFIN-appended Auxiliary fields are included in *Appendix A: Base Source Column Definitions* and *Appendix B: Auxiliary Column Definitions*.

Appendix A: Base Source Column Definitions

The following column definitions are the latest version of the definitions as sourced by the CFEC documentation on the CFEC.AKFIN_FISH_TICKETS table.

CFEC Fish Ticket Table	
Column Name	**Description**
ADFG_B_BATCH_NUMBER	A range of uniquely numbered fish tickets. Fish tickets from a particular fishery (salmon, herring, shellfish, groundfish) are grouped together into a batch for record management purposes. Prior to 2000, a batch contained a maximum of 200 fish tickets. Beginning in the year 2000, the number of tickets to be included in a batch is unspecified. The first batch number of a year begins with 001 for each fishery and each office.
ADFG_B_BATCH_YEAR	Year of batch (determined by landing date).
ADFG_B_DATE_CREATED_VERIFIED	Date the batch was created or verified. Once the batch is verified, that date replaces the date created.
ADFG_B_DATE_KEYED	
ADFG_B_OFFICE_CODE	ADFG office of batch creation/data entry.
ADFG_B_PROOF_DONE	Used to indicate that verification (proofing) was completed.
ADFG_B_TICKET_END	Sequential end ticket number.
ADFG_B_TICKET_START	Sequential start ticket number.
ADFG_B_USER_ID	Person who entered record into the database.
ADFG_H_ADFG_NUMBER	Unique, permanent identification number issued the first time a vessel is licensed in the State of Alaska. The ADF&G vessel number is printed on a triangular metal plate and affixed to the vessel. The ADF&G vessel number is permanent to a vessel regardless of a transfer or change of vessel ownership.
ADFG_H_CDQ_CODE	An identification number assigned to a CDQ group by NMFS that must be recorded in all logbooks and all reports submitted by the CDQ group or by vessels and processors catching or processing CDQ quota under an approved community development program (CDP). State of Alaska statutes also require CDQ groups to provide the number on all ADF&G fish tickets. This column did not exist in the old Fish Ticket File. NA = not applicable. Two digit number indicates CDQ group.
ADFG_H_DATE_FISHING_BEGAN	Date fishing began or gear deployed
ADFG_H_DATE_FISHING_ENDED	The date the gear was removed from the water or when fishing activity ceased.
ADFG_H_DATE_LANDED	The date fish or shellfish are off-loaded or trans-shipped from the catcher vessel to the first purchaser. The land date is opposed to Catch Date however; these two dates can be the same. If off-loading takes more than one day to complete, the land date is the day off-load is completed. For catcher-seller vessels the land date is the date the product is initially brought into port.
ADFG_H_DAYS_FISHED	Period of time in days when fishing occurred to catch the current landing.
ADFG_H_DEWATERED	The removal of water from a load of delivered herring. Processors deduct the weight of the water from the grounds weight to arrive at the final dry weight.
ADFG_H_GEAR_CODE	ADFG codes for the specific apparatus or equipment used to catch fish or shellfish. A few examples of gear include: longline, pots, beam trawl, and purse seine.
ADFG_H_INTERVIEWED	

CFEC Fish Ticket Table	
Column Name	**Description**
ADFG_H_LAST_USER_ID	
ADFG_H_LOGBOOK	
ADFG_H_MULTI_IFQ_PERMITS	
ADFG_H_OBSERVED	
ADFG_H_PARTIAL_DELIVERY	A delivery consisting of only a portion of a vessel's total harvest from one fishing trip. All fish tickets that represent only a portion of the harvest from one fishing trip must be identified as a partial delivery. The harvest from a single fishing trip can be documented on more than one fish ticket, either split among IFQ shareholders, divided for multiple fishery bycatch caps or permits, or delivered to more than one processor. A partial delivery constitutes a landing.
ADFG_H_PERIOD	A two-digit number used in some salmon and herring fisheries that indicates the opening in which fish were caught. In herring fisheries, there may be multiple periods within a day. Periods are sequential and increase incrementally through the last opening of the season; the first opening of the season is period #01.
ADFG_H_PERMIT_CHECK_DIGIT	Permit check digit. The check digit is generated by an algorithm and is used to verify the permit serial number. Used to match fish ticket data to the CFEC permit file.
ADFG_H_PERMIT_FISHERY	Permit fishery code. The 6 byte fishery code consists of a 2 byte resource code; a 2 byte gear code or a 1 byte gear code and a 1 byte vessel restriction or 1 byte gear code and 1 byte gear restriction; and a 1 byte CFEC administrative area. The 6th byte indicates a landing permit ('L'), vessel permit ('V'), or CDQ group ('A', 'B', 'C', 'D', 'E', 'F', or 'G'). Any spaces in the code are compressed. Used to match fish ticket data to the CFEC permit file.
ADFG_H_PERMIT_SERIAL_NUMBER	Permit serial number. Different serial number ranges are used, depending upon the type of permit. Used to match fish ticket data to the CFEC permit file.
ADFG_H_PERMIT_YEAR_SEQ	Permit year and emboss sequence number. Final 2 digits of the permit year concatenated with the 2-digit permit emboss sequence number. Permit emboss sequence numbers begin at 01 for the first permit card embossed each year for a serial number and are incremented by 1 for each subsequent card embossed for the rest of the year. Used to match fish ticket data to the CFEC permit file (after 1987).
ADFG_H_PERMIT_YEAR_SEQ_CHECK	Permit emboss sequence check digit. The check digit is generated by an algorithm and is used to verify the permit emboss sequence number. Used to match fish ticket data to the CFEC permit file (after 1987).
ADFG_H_PORT_CODE	ADFG code of the location where fish or shellfish are processed (i.e., shoreside plant location). The port of landing for tender operations is the location of the labd-based processing facility. If at sea, the port is defined as the type of operation (i.e. mothership or catcher-processor).
ADFG_H_PRE_PRINT_TICKET	Fish ticket number printed on form- first digit is ticket type, next 2 digits are year, next 6 digits are tick #s.
ADFG_H_PROCESSOR_CODE	ADFG Codes for an individual or company that processes or places fish or shellfish commerce.
ADFG_H_PROCESSOR_CODE_CHECK	This fish ticket identification number is stamped on the fish tickets at the ADFG local area offices and is annually unique. This 8-digit number begins with the 2-digit unique office number followed by a 6-digit sequential number that begins with 000001 for each area office.
ADFG_H_SEQ_TICKET_NUMBER	This fish ticket identification number is stamped on the fish tickets at the ADFG local area offices and is annually unique. This 8-digit number begins with the 2-digit unique office number followed by a 6-digit sequential number that begins with 000001 for each area office.

CFEC Fish Ticket Table	
Column Name	**Description**
ADFG_H_STAT_WEEK	A time scale used for reporting catch in commercial fisheries that facilitates aggregated catch comparisons between years. Statistical weeks begin on Monday, end on Sunday and only contain dates from one calendar year. Therefore, the first and last statistical weeks of a calendar year can range from 1 to 7 days. Thus, there can be more than 52 statistical weeks in a year. The first statistical week of the year begins on January 1 and the last statistical week of the year ends on December 31. For example, if January 1 falls on a Sunday, statistical week 1 is January 1 through January 1 and the second statistical week begins on Monday, January 2 and ends on Sunday, January 8.
ADFG_H_TENDER_ADFG_NUMBER	The ADFG Number of a vessel that is attendant to other vessels and is used to transport or ferry unprocessed fish or shellfish received from another vessel to a shoreside processor or mothership.
ADFG_H_TICKET_TYPE	Fish ticket form booklets designed to meet the specific recordkeeping requirements of unique fisheries. Fish Ticket types include salmon fish ticket series A (General Salmon), B (Bristol Bay Salmon), C (Crab), G (Groundfish), H (Herring), J (Salmon Troll), M (Miscellaneous Shellfish), P (Pacific Halibut and Sablefish), S (Shrimp), and T (Salmon Tender).
ADFG_H_TICKET_YEAR	
ADFG_I_AMOUNT	The monetary amount paid/received by a fisher. The amount recorded on a fish ticket may reflect an in-season, pre-settlement amount.
ADFG_I_ANCILLARY_PRIMARY	Primary 'P ' = intended processed product, e.g., fillets. When summing adfg_i_whole pounds you should not count ancillary product. Note that this is a two char field but only one character is used.
ADFG_I_BED_CODE	A three-digit code recorded on a Miscellaneous Shellfish fish ticket that provides a more precise description of the harvest location than the statistical area. This code identifies the harvest location to the area or 'bed' level. Bed Codes are most commonly utilized with clam, mussel and geoduck management plans.
ADFG_I_CODED_COMMENT	A data field in the groundfish software application, Neptune, which allows for coding and identification of fish tickets associated with unregistered vessels (74) or those fish tickets forwarded to a fishery enforcement agency (75).
ADFG_I_DELIVERY_CODE	Condition of the fish shellfish at the point it is weighed and recorded on the fish ticket. Delivery condition codes provide important information utilized to convert the scale weight to whole weight.
ADFG_I_EFFORT	The combination of gear type, gear size, and length of time gear is used to catch fish or shellfish.
ADFG_I_GROUNDS_ROE_PERCENT	
ADFG_I_GROUNDS_WEIGHT	The estimated total weight of a load of herring at delivery. The grounds weight may include some water from the pumping or delivery process. Grounds weights are often estimated volumetrically.
ADFG_I_HARVEST_CODE	This code is used to separate the common property commercial catch from a variety of specialty fisheries. Examples of specialty fisheries are test fisheries, educational fisheries, hatchery controlled fisheries, and derbies. The fish ticket editor determines the proper harvest code. The use of harvest codes on fish tickets originated in 1989. More recently, the use of harvest codes has expanded to include identification of confiscated or forfeited harvest (overages) and management authority (state or federal).
ADFG_I_ITEM_NUMBER	Part of the Fish ticket key to locate single record in the table (year, office, h entries and multiple items) different items are different species being offloaded.
ADFG_I_NUMBER_EACH	
ADFG_I_NUMBER_KELP_BLADES	
ADFG_I_NUMBER_OF_FISH	
ADFG_I_POUNDS	
ADFG_I_PRICE	

| CFEC Fish Ticket Table ||
Column Name	Description
ADFG_I_ROE_PERCENT	Ratio of the gonad weight to total body weight of mature female fish or shellfish. Roe percentage is estimated in some fisheries to determine the product recovery ratio for roe products. Roe percentage is also used in the herring sac-roe fishery as an index of fish 'ripeness'. ADFG managers use this index to time the opening of this fishery to maximize the economic value of the fishery. Higher values for roe percentage in the sac-roe fishery result in greater economic value to the fisherman.
ADFG_I_SPECIES_CODE	ADFG codes of a group of similar fish or shellfish that can freely interbreed. When recording the species on an ADF&G fish ticket, the specific species code must be indicated, as it is very important for management purposes. Group codes, such as shallow or deep-water flatfish, general flounder or unspecified rockfish, may not be utilized. All species, including landed harvest, discards at sea and at the dock, personal use, and retained bait, must be specifically identified and recorded on the fish ticket.
ADFG_I_STAT_AREA	The five or six-digit ADF&G statistical code denoting a specific area of catch. Statistical areas are unique to the fishery 'type'. For example, there are unique statistical areas for salmon, herring, and shellfish/groundfish harvests. Also referred to as 'statarea'. Salmon and herring fisheries utilize a five-digit statarea number, which represents the district and subdistrict area of harvest. Groundfish and shellfish (except Southeast Alaska) utilize a six-digit statarea number loosely based on latitude and longitude.
ADFG_I_WHOLE_POUNDS	
CFEC_DATABASE_CODE	Indicates the database source for fish ticket items. 'B' for halibut data from IPHC, 'G' for the ADF&G groundfish database, 'H' for the ADF&G herring database, 'I' for the ADF&G shellfish database, and 'S' for the ADF&G salmon database.
CFEC_STAT_AREA	Contains ADF&G statistical area as indicated on the fish ticket or a CFEC corrected ADF&G statistical area. Currently, corrections only occur for ticket items from the shellfish database (CFEC_DATABASE_CODE = 'I') mostly in years before 1985. In these instances, shellfish were landed and salmon statistical areas (5-digit) were entered on the fish tickets. Instead of entering the statistical area with a leading zero (to make it 6-digit), a trailing zero was added by mistake. For these incorrect stat areas, the trailing zero is removed and a leading zero is added (e.g., 252590 corrected to 025259). Ideally, this field would contain ADF&G statistical area information provided by IPHC for halibut harvest, but due to timing issues in the gross earnings process, this field contains IPHC statistical areas for halibut harvest from the halibut database (CFEC_DATABASE_CODE = 'B'). The IPHC statistical areas are available for all halibut observations from IPHC (CFEC_DATABASE_CODE = 'B') from 1975 through 2004. The IPHC statistical area is only available for 2005 and onward if an ADF&G statistical area is not provided on the fish ticket.
CFEC_SPECIES_CODE	A species code assignment based on grouped ADF&G species codes (ADFG_I_SPECIES_CODE). 'A' is abalone, 'B' is halibut, 'C' is sablefish, 'D' is dungeness crab, 'E' is hair crab, 'F' is fresh water fish, 'G' is sac roe herring, 'H' is herring, bait herring, and food herring, 'I' is lingcod, 'J' is geoduck, 'K' is king crab, 'L' is herring roe or herring roe on kelp or other substrate, 'M' is groundfish, 'N' is snail, 'O' is octopus or squid, 'P' is shrimp, 'Q' is sea cucumber, 'R' is clam (except geoduck), 'S' is salmon, 'T' is Tanner cab, 'U' is sea urchin, 'W' is scallops, 'Y' is Southeast Alaska demersal shelf rockfish, and 'Z' are miscellaneous marine intertebrates. Please note that the CFEC species codes of 'G' and 'L' may no longer be found in all years since ADF&G has converted ADFG_I_SPECIES_CODEs of '231', '232', and '234' to '230'. Herring delivered for roe and herring spawn-on-kelp must be identified by other fields.
CFEC_PACFIN_SPECIES_CODE	A PACFIN species code assignment based on the ADF&G species code (ADFG_I_SPECIES_CODE).
CFEC_PRICE_GEAR	A consolidated gear assignment for pricing purposes based one or more of the following fields: the ADF&G gear, the CFEC gross earnings area, the CFEC species code, the CFEC permit fishery, the ADF&G harvest code, and/or the CFEC database code. '04' is gillnet, '06' is longline, '07' is trawl, '09' is pot gear, '75' is discarded/donated in 1991 (unsold bait), '76' is hatchery carcass, '77' is private hatchery, '78' is test fishing, '79' is confiscated harvest, '80' is sport fish derby/commercial sale, and '97' is pollock CDQ harvest.

CFEC Fish Ticket Table	
Column Name	**Description**
CFEC_PRICE_AREA	An area assignement based on the statistical area where harvest occurred and CFEC species code harvested. 'A1' is Ketchikan, 'A2' is Petersburg/Wrangell, 'A3' is Sitka, 'A4' is Juneau, 'D' is Yakutat, 'E' is Prince William Sound, 'F' is Atka, 'H' is Cook Inlet, 'K' is Kodiak, 'L' is Chignik, 'LM' is Alaska Peninsula or Unimak, 'M' is Peninsula/Aleutians, 'O' is Dutch Harbor, 'P' is Upper Yukon, 'Q' is Bering Sea or Bristol Bay, 'R' is Adak, 'T' is Bristol Bay, 'W1' is Kuskokwim River, 'W2' is Quinhagak or Security Cove, 'W3' is Goodnews Bay, 'W4' is Nelson Island, 'W5' is Nunivak Island, 'W6' is Cape Avinof, 'X' is Kotzebue, 'X2' is Port Clarence, 'Y' is Lower Yukon, 'Z' is Norton Sound, '2' is Russian waters or the donut hole in the Bering Sea, '3' is international waters, and '??' is unknown. These were originally areas for applying an average annual ex-vessel price for a species and gear type to make gross earnings (ex-vessel value) estimates. Today the CFEC_PRICE_AREA is only used for pricing and ex-vessel value estimates for salmon and herring (see CFEC_PRICE_CATEGORY_AREA).
CFEC_HARVEST_AREA	An area assignment based on the statistical area where harvest occurred and the CFEC species code harvested. This field is also referd to as the 'Gross Earnings Area' by some CFEC staff. 'A' is Southeast, 'D' is Yakutat, 'E' is Prince William Sound, 'F' is Atka, 'H' is Cook Inlet, 'K' is Kodiak, 'L' is Chignik, 'M' is Peninsula/Aleutians, 'N' is Nelson Island, 'O' is Dutch Harbor, 'P' is Upper Yukon, 'Q' is Bering Sea, 'R' is Adak, 'S' is Security Cove, 'T' is Bristol Bay, 'U' is Nunivak Island, 'V' is Cape Avinof, 'W' is Kuskokwim, 'X' is Kotzebue, 'Y' is Lower Yukon, 'Z' is Norton Sound, '1' is the donut hole in the Bering Sea, '2' is Russian waters, '3' is international waters, and '?' is unknown. These area assignments were originally used to facilitate reporting of all harvests in a meaningful area. However, the user should not rely on these area assignments today, except for cursory looks at the data.
CFEC_PRICE_CATEGORY_AREA	The port or area upon which CFEC's price per pound (CFEC_PRICE_PER_POUND) was based for each fish ticket item. Depending on the year and CFEC species code (CFEC_SPECIES_CODE) the CFEC_PRICE_CATEGORY_AREA is based on the port code (ADFG_H_PORT_CODE) or area (CFEC_PRICE_AREA). The Gross Earnings process assigns a price to each fish ticket item based on the year (ADFG_B_BATCH_YEAR), the species (ADFG_I_SPECIES_CODE), a port of landing or area of harvest (CFEC_PRICE_CATEGORY_AREA), the type of gear used (CFEC_PRICE_CATEGORY_GEAR), and the condition of the item (CFEC_PRICE_CATEGORY_DELIVERY).
CFEC_PRICE_CATEGORY_GEAR	The gear upon which CFEC's price per pound (CFEC_PRICE_PER_POUND) was based for each fish ticket item. The Gross Earnings process attempts to find a price for each item based on the CFEC_PRICE_GEAR first, if that cannot be found it tries to find a price using an unknown gear type ('99'). If neither gear results in a price being assigned, the item is left unpriced. This field will reflect the gear code defaulted to for pricing. The Gross Earnings process assigns a price to each fish ticket item based on the year (ADFG_B_BATCH_YEAR), the species (ADFG_I_SPECIES_CODE), a port of landing or area of harvest (CFEC_PRICE_CATEGORY_AREA), the type of gear used (CFEC_PRICE_CATEGORY_GEAR), and the condition of the item (CFEC_PRICE_CATEGORY_DELIVERY).
CFEC_PRICE_CATEGORY_DELIVERY	The condition upon which CFEC's price per pound (CFEC_PRICE_PER_POUND) was based for each fish ticket item. If the fish ticket item has a disposition code (ADFG_I_DISPOSITION_CODE) of '60', '62', '63', '64' or no disposition code is indicated, the CFEC_PRICE_CATEGORY_DELIVERY reflects the delivery condition (ADFG_I_DELIVERY_CODE) of the item (e.g., whole, bled, gutted, western cut, etc.). If the disposition of the fish ticket item was for other than '60', '62', '63', or '64', then pricing is based on the disposition code (ADFG_I_DISPOSITION_CODE) of the item (e.g., sold for bait, sold for fishmeal production, personal use, etc.). The Gross Earnings process assigns a price to each fish ticket item based on the year (ADFG_B_BATCH_YEAR), the species (ADFG_I_SPECIES_CODE), a port of landing or area of harvest (CFEC_PRICE_CATEOGORY_AREA), the type of gear used (CFEC_PRICE_CATEGORY_GEAR), and the condition of the item (CFEC_PRICE_CATEGORY_DELIVERY).
CFEC_PRICE_PER_POUND	The price per pound assigned during the CFEC Gross Earnings process. The Gross Earnings process tries to assign a price to each fish ticket item based on the year, the species, a port of landing or area of harvest, the type of gear used, and the condition of the item.
CFEC_VALUE	The estimated ex-vessel value (gross earnings) of a fish ticket item based on the net pounds (ADFG_I_POUNDS) multiplied by the price per pound (CFEC_PRICE_PER_POUND).

CFEC Fish Ticket Table	
Column Name	**Description**
CFEC_PMT_YEAR	Permit license year. Permits are valid for the calendar year. This field will be blank if the permit information on the fish ticket could not be matched to the CFEC permit file.
CFEC_PMT_SERIAL	Permit serial number. Different serial number ranges are used depending upon the permit type (CFEC_PMT_TYPE). Mariculture (acquatic farm) is 10000-10499, experimental is 10500-10599, test fishing is 10600-10699, educational is 10700-10799, reservation is 10800-10899, hatchery cost recovery is 10900-10999, interim-use in an unlimited fishery is 11000-49999, interim-entry in a limited fishery is 50000-54999, moratorium is 50000-54999, vessel moratorium is 50000-54999, permanent in a limited fishery is 55000-99999, vessel permanent in a vessel limited fishery is 55000-99999. This field will be blank if the permit information on the fish ticket could not be matched to the CFEC permit file.
CFEC_PMT_PMT_SEQ	Permit sequence number. Permit sequence numbers begin at 01 for the first permit holder of the year and are incremented by 1 with every transfer (permanent or emergency transfer) of the permit for the rest of the year. This field will be blank if the permit information on the fish ticket could not be matched to the CFEC permit file.
CFEC_PMT_FSHY	Permit fishery code. The 6 byte fishery code consists of a 2 byte resource code; a 2 byte gear code or a 1 byte gear code and a 1 byte vessel restriction or 1 byte gear code and 1 byte gear restriction; and a 1 byte CFEC administrative area. The 6th byte indicates a landing permit ('L'), vessel permit ('V'), or CDQ group ('A', 'B', 'C', 'D', 'E', 'F', or 'G'). This field will be blank if the permit information on the fish ticket could not be matched to the CFEC permit file.
CFEC_PMT_CHECK	Permit check digit. The check digit is generated by an algorithm and is used to verify the permit serial number. This field will be blank if the permit information on the fish ticket could not be matched to the CFEC permit file.
CFEC_PMT_TYPE	The type of permit. 'F' is a mariculture (aquatic farm) permit, 'X' is experimental, 'T' is test fishing, 'C' is educational, 'R' is reservation, 'H' is hatchery cost recovery, 'I' is interim-use in an unlimited fishery, 'E' is interim-entry in a limited fishery, 'M' is moratorium, 'V' is vessel moratorium, 'P' is permanent in a limited fishery, and 'L' is permanent vessel permit in a vessel limited fishery. This field will be blank if the permit information on the fish ticket could not be matched to the CFEC permit file.
CFEC_PMT_ID_STATUS	Permit holder status. 'A' is revoked permit holder, 'C' is current permit holder, 'D' is current permit holder that emergency transferred permit (transferor, valid in current year only), 'E' is former emergency transferor, 'F' is former permit holder (permanent transferor), 'I' is inactive emergency transferee, 'O' is old permit owner (permit never active, this indicates who paid renewal fees when a transfer is done after fees have been paid but before the calendar year of the permit), 'T' is current permit holder of emergency transfer (transferee, valid in current year only). This field will be blank if the permit information on the fish ticket could not be matched to the CFEC permit file.
CFEC_PMT_FEE_TYPE	Permit fee type. The type of fees paid to issue or renew a permit. 'R' is resident fee, 'P' is resident reduced fee (poverty), 'O' is a resident halibut/sablefish low quota fee, 'N' is nonresident fee, 'Q' is nonresident reduced fee (poverty), 'M' is a nonresident halibut/sablefish low quota fee, 'S' is fee waived/not required, 'W' is fee waived/fishery closed, and ' ' is fees not paid. This field can also be blank if the permit information on the fish ticket could not be matched to the CFEC permit file.
CFEC_PMT_ADFG	Permit ADFG vessel. Identifies which vessel the permit holder intends to fish. '00000' indicates permits that did not intend to be fished, and '99999' indicates no vessel is required. This field will be blank if the permit information on the fish ticket could not be matched to the CFEC permit file.
CFEC_PMT_FEE_FLAG	Permit fee flag. Indicates how/whether permit renewal fee was paid. 'P' or 'R' is fees paid for permit, 'S' is fees not required (reservation or test fishery permit), 'U' is fees paid by a previous holder, 'W' is fees waived due to fishery closure, 'Y' is fees paid (2nd year of 2-yr renewal, ended in 1987), and ' ' is renewal fees not paid. This field can also be blank if the permit information on the fish ticket could not be matched to the CFEC permit file.
CFEC_PMT_FISHABILITY	Indicates whether the permit is fishable (fees paid, card embossed, etc). 'Y' indicates the permit is fishable, 'N' indicates the permit is not fishable. This field will be blank if the permit information on the fish ticket could not be matched to the CFEC permit file.
CFEC_PPL_NAME	Name of permit holder, either a person or a company. This field will be blank if the permit information on the fish ticket could not be matched to the CFEC permit file.

CFEC Fish Ticket Table	
Column Name	**Description**
CFEC_PPL_NAME_TYPE	Permit holder's name type. 'C' indicates a company name, ' ' indicates a person name. This field can also be blank if the permit information on the fish ticket could not be matched to the CFEC permit file.
CFEC_FILE_NUMBER	A unique number assigned to each permit holder. These file numbers are generated from the ID number and range from 000000 to 999999.
CFEC_ADR_RESIDENCY	The declared residency of the permit holder. 'R' is Alaska resident, 'N' is nonresident, and 'U' indicates the person has never signed a statement regarding residency. This field will be blank if the permit information on the fish ticket could not be matched to the CFEC permit file.
CFEC_ADR_CITY	Permit holder's city. This field will be blank if the permit information on the fish ticket could not be matched to the CFEC permit file.
CFEC_ADR_STATE	Permit holder's state. This field will be blank if the permit information on the fish ticket could not be matched to the CFEC permit file.
CFEC_ADR_ZIP	Permit holder's zip code. This field will be blank if the permit information on the fish ticket could not be matched to the CFEC permit file.
CFEC_CORRECTED_ADFG	C ontains ADFG vessel number as indicated on the fish ticket or a CFEC corrected ADFG vessel number. Fish tickets are sorted by permit serial number and landing date to highlight ADFG numbers bracketed by different ADFG numbers for the same permit holder. Potential ADFG number transpositions or data entry errors are reviewed. When possible, the ADFG numbers which reflect an unlicensed vessel, a vessel with an inappropriate vessel length for the fishery, or a vessel with landings in another area at the same time are corrected. In cases of ambiguity, no ADFG number correction is used, as permit holders may have simply made a landing from a different vessel. Corrections have been focused predominately on the salmon fisheries. If the ADFG vessel number (ADFG_H_ADFG_NUMBER) is '00000', less than 5 digits, contains a non-numeric digit, or is greater than 97999, then this field is set to blank. If no correction is necessary, this field contains the same information as the information on the fish ticket (ADFG_H_ADFG_NUMBER).
CFEC_ADFG_STATUS	Vessel status. Indicates whether or not a vessel was used to catch the fish since some fisheries do not require a vessel. 'V' indicates a vessel was used, and 'N' indicates a vessel was not used.
CFEC_LANDING_STATUS	A flag indicating whether or not the landing is defined as commercial or non-commercial catch by CFEC. 'C' indicates commercial catch and 'N' indicates non-commercial catch. A commercial classification is applied to harvests from a commerical permit fishery only. Deadloss, discards, and "special" catch like derby, hatchery, test fishing, confiscated, educational, and forfeited harvest are flagged as non-commercial. Note that product from this "special" catch may be sold but it is still flagged as non-commercial for this field.
CFEC_WHOLE_POUNDS	Usually equal to whole pounds (ADFG_I_WHOLE_POUNDS). Ancillary products (designated with ADFG_I_ANCILLARY_PRIMARY or delivery codes (ADFG_I_DELIVERY_CODE) of '14', '15', '16', '17', '18', '19', '34', '35', '39') are assigned whole pounds of zero so round pounds are not double counted for primary and ancillary products from the same fish. If the item is a primary product (designated by ADFG_I_ANCILLARY_PRIMARY) and ADFG_I_WHOLE_POUNDS is 0, then this field is set equal to net pounds (ADFG_I_POUNDS).
ADFG_H_CREW_SIZE	The crew_size element is required. It is the number of crew onboard, including the skipper, but excluding any observers.
ADFG_H_OBSERVERS_ON_BOARD	The observers_onboard element is required. It is the number of observers onboard the vessel for the trip.
ADFG_H_CUSTOM_PROCESSOR	The proc_code_processor element identifies the custom processor, if there is one. This element is not required, and should be used only if custom processing is taking place.
ADFG_H_MGT_PROGRAM_ID	The program element is required. It is the management program abbreviation such as CDQ, AFA, or ADAK. For IFQ crab, halibut, or sablefish, the management program is IFQ. For groundfish with no other management program the value should be OA, for open access.

CFEC Fish Ticket Table	
Column Name	**Description**
ADFG_H_MGT_PROGRAM_NUMBER	The program_id element is conditionally required. If the management program has participant IDs, such as CDQ numbers for CDQ or Co-op numbers for AFA, then it is required. If the management program has no participant numbers, such as ADAK, then this element is not required.
ADFG_H_LANDING_REPORT_NUMBER	A unique number generated by the eLandings System to identify the report. The landing report may contain one or more fish ticket reports and one or more IFQ reports (if applicable). Can be used to link deliveries where multiple permit holders were involved and, or multiple fish tickets were generated.
ADFG_H_TRIP_NUMBER	Trip: One fishing trip includes all the days lapsed from the time a vessel departed shore, with an empty hull, with the intent to commercially harvest fish or shellfish to the point of final off-load (empty hull) which may include one or more partial deliveries to one or more processing facilities, tenders, or receiver/buyers. This definition applies only to catcher vessels that sell unprocessed catch and catcher-sellers that deliver catch to a shoreside processor. This term does not apply to at-sea operators. For the at-sea fleet, the trip is defined by a designated period of time, usually every seven days, to report what was landed and processed, including freezing on board
ADFG_I_WEIGHT_MODIFIER	The weight_modifier element is not required. It should not be used for IFQ crab, but can be used for groundfish. However, the Ice and Slime value can only be used for halibut and sablefish. The values will be: I/S-Weight includes ice and slime, Est-Estimated weight
ADFG_I_DISPOSITION_CODE	The disposition_code element is required. Disposition code is a subset of the current ADF&G delivery codes, and additions. The valid disposition code values will be available on the web application.
IPHC_I_STAT_AREA	The IPHC statistical area where halibut harvest occurred. This is available for observations from IPHC (CFEC_DATABASE_CODE = 'B') from 1975 through 2004. The IPHC statistical area is only available for 2005 and onward if an ADF&G statistical area is not provided on the fish ticket. The IPHC statistical area is not available for halibut data obtained from ADF&G (typically bycatch in groundfish fisheries, CFEC_DATABASE_CODE = 'G').
IPHC_I_REG_AREA	The IPHC regulatory area where halibut harvest occurred. This information is available for halibut harvest data from IPHC (CFEC_DATABASE_CODE = 'B') beginning in 1984 and until present. Halibut harvest from ADF&G (CFEC_DATABASE_CODE is 'G', 'I', 'S', or 'H') does not indicate an IPHC regulatory area.
AKFIN_LOAD_DATE	The akfin_load_date is the date AKFIN retrieved the fish tickets from CFEC.

Appendix B: Auxiliary Column Definitions

The following column definitions describe the auxiliary fields appended to the base CFEC fish ticket source.

Comprehensive Fish Ticket Auxiliary Fields		
Column Name	**Description**	**Source**
A80_PROCESSOR_FLAG	Flag indicating processing vessel is an Amendment 80 vessel	`CASE WHEN a80p.vessel_id IS NOT NULL THE 'Y' ELSE 'N' END`
A80_VESSEL_FLAG	Flag indicating harvesting vessel is an Amendment 80 vessel	`CASE WHEN a80v.vessel_id IS NOT NULL THE 'Y' ELSE 'N' END`
AFA_MOTHERSHIP_FLAG	Flag indicating that the processing vessel is an AFA permitted mothership	`NVL(afap.afa_mothership_flag,'N')`

Comprehensive Fish Ticket Auxiliary Fields		
Column Name	**Description**	**Source**

AFA_PROCESSOR_FLAG	If the processing entity holds an AFA permit a Y is placed in this field	`CASE WHEN afap.permit_number IS NOT NULL THEN 'Y'`
		`    ELSE 'N'`
		`    END`

AFA_PROCESSOR_PERMIT_TYPE	The type of AFA permit that the processor holds. CP, IS, MS etc.	AKR AFA permit source (PERMIT_TYPE)

AFA_VESSEL_FLAG	If the catcher vessel has an AFA permit a Y is placed in this field.	`CASE WHEN afaP.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.	AKR AFA permit source (PERMIT_TYPE)
AKFIN_VDATE	Date the COMPREHENSIVE_FT table was refreshed.	

BLEND_TARGET_GRP	A union of BLEND_GULF_TARGET and BLEND_BSAI_TARGET found in the PRIMEX_SPP table. This is used to mimic the AKR targeting but does not signify the target species, only the species groupings used by the algorithm.	`CASE WHEN sa.fmp_area = 'BSAI'`
		`    THEN pspc.BLEND_BSAI_TARGET`
		`    WHEN sa.fmp_area = 'GOA'`
		`    THEN pspc.blend_gulf_target`
		`    END`

CDQ_GROUP_NAME	CDQ group description based on the ADFG_H_CDQ_CODE	AKR CDQ Group name (NAME) based on the ADFG_H_CDQ_CODE field
CDQ_FLAG	Flags for valid CDQ group IDs	CASE WHEN d.cdq_group_id IS NOT NULL THEN 'Y' ELSE 'N' END

CRAB_FISHERY	BSAI rationalized crab fishery determined on shellfish tickets where catch occurred in a valid crab area for a valid species (DOMAIN: EAG, WAG, BTE, BTW, BSS, BBR)	`CASE WHEN cfec_database_code = 'I' THEN`
		`CASE WHEN crab_areas.aleu_brown_king_crab =`
		`'ABKEST' AND adfg_i_species_code = '923' THEN 'EAG'`
		`    WHEN crab_areas.aleu_brown_king_crab =`
		`'ABKWST' AND adfg_i_species_code = '923' THEN 'WAG'`
		`    WHEN crab_areas.bsea_tanner_bairdi  = 'BSTE'`
		`     AND adfg_i_species_code = '931' THEN 'BTE'`
		`    WHEN crab_areas.bsea_tanner_bairdi  = 'BSTW'`
		`     AND adfg_i_species_code = '931' THEN 'BTW'`
		`    WHEN crab_areas.bsea_tanner_opilio   = 'BSO'`
		`     AND adfg_i_species_code = '932' THEN 'BSS'`
		`    WHEN crab_areas.bris_red_king_crab   = 'BBRK'`
		`     AND adfg_i_species_code = '921' THEN 'BBR'`
		`    ELSE 'OTH'`
		`    END`
		`ELSE NULL`
		`END`

Comprehensive Fish Ticket Auxiliary Fields		
Column Name	Description	Source
SA_CRAB_FISHERY	Stock Assessment Units for the crab fishery determined on shellfish tickets where catch occurred in a valid crab area for a valid species (DOMAIN:AIG, ARK,BST, BSS,BBR, PIR, PIB, PIG, SMB, NSR)	```CASE
WHEN cfec_database_code = 'I'
THEN CASE WHEN
sa_crab_areas.aleu_golden_king = 'AIG'
AND adfg_i_species_code = '923'THEN 'AIG'
WHEN sa_crab_areas.adak_red_king = 'ARK'
AND adfg_i_species_code = '921'
THEN 'ARK'
WHEN sa_crab_areas.bsea_tanner_bairdi = 'BST'AND
adfg_i_species_code = '931'THEN'BST'
WHEN sa_crab_areas.bsea_tanner_opilio = 'BSO' AND
adfg_i_species_code = '932' THEN 'BSS'
WHEN sa_crab_areas.bris_red_king = 'BBRK'AND
adfg_i_species_code = '921''BBR'
WHEN sa_crab_areas.prib_red_blue_gold_king =
'PRIB'AND adfg_i_species_code = '921' THEN 'PIR'
WHEN sa_crab_areas.prib_red_blue_gold_king = 'PRIB'
AND adfg_i_species_code = '922'THEN'PIB'WHEN
sa_crab_areas.prib_red_blue_gold_king = 'PRIB'
AND adfg_i_species_code = '923' THEN 'PIG'
WHEN sa_crab_areas.stmt_blue_king = 'SMBK'AND
adfg_i_species_code = '922'THEN'SMB'WHEN
sa_crab_areas.norton_sound_red_king = 'NSR' AND
adfg_i_species_code = '921'THEN 'NSR' ELSE 'OTH'
END ELSE NULL END```
REPORTING_AREA_CODE	This variable translates the ADFG_I_STAT_AREA into a NMFS reporting zone by using a join of ADFG.GF_STATAREA and COUNCIL.COUNCIL_STAT_AREA. The council statistical area table was provided by the NPFMC in 2002.	```CASE WHEN ft.cfec_database_code IN ('G','I','B')
THEN sa.ZONE
ELSE NULL
END```
FMP_AREA	Inside/Southeast (INSD), Gulf of Alaska (GOA), or Bering Sea and Aleutian Islands (BSAI)	FMP area translated from the FMP_AREA_V view
FMP_GEAR	Values are TRW, HAL, POT, JIG or OTH	```CASE WHEN gear IN ('BTR','PTR','NPT') THEN 'TRW'
ELSE gear
END```
FMP_GROUNDFISH	Identifies commercial groundfish records where CFEC_DATABASE_CODE = 'G' – Groundfish, CFEC_LANDING_STATUS = 'C' – Commercial, and CFEC_SPECIES_CODE in ('C' – Sablefish, 'M' – Miscellaneous Saltwater Finfish, 'Y' – Demersal Shelf Rockfish).	```CASE WHEN stage1.cfec_landing_status != 'N'
AND (stage1.cfec_species_code IN ('C','M',
'Y'))
THEN 'Y'
ELSE 'N'
END```

Comprehensive Fish Ticket Auxiliary Fields		
Column Name	**Description**	**Source**
FMP_SUBAREA	A break down of the BSAI into BS & AI, GOA into WG, CG, WY, and INSD into PWSI, SE, SEI	FMP sub area translated from the FMP_AREA_V view

GF_AREA	The CFEC price area with Yakutat combined with southeast and the upper Yukon combined with the lower	`CASE SUBSTR (ft.cfec_price_area, 1, 1)`
		`    WHEN 'D' THEN 'A'`
		`    WHEN 'P' THEN 'Y'`
		`    ELSE SUBSTR (ft.cfec_price_area, 1, 1)`
		`END`

GF_EXCLUDE_CP_FLG	This field only applies to the groundfish tickets and marks any processor that operated as a catcher processor during the year according to the AKFIN exclusion process which looks up the processor in the AKR data. This field does not tell you if the processor acted as a catcher processor for this specific fish ticket but can be used when merging data with the federal catch accounting system.	`CASE WHEN stage1.ito_type = 'SBPR' THEN 'N'`
		`    WHEN exclusion.exclude_cp = 'Y' THEN`
		`        CASE WHEN exclusion.akr_bsai_m IS NULL`
		`            THEN 'Y'`
		`            WHEN exclusion.akr_bsai_m = 'M'`
		`             AND stage1.n_adfg !=`
		`                stage1.ito_adfg`
		`            THEN 'N'`
		`            ELSE 'Y'`
		`            END`
		`    ELSE 'N'`
		`END`

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	`CASE WHEN stage1.ito_type = 'SBPR' THEN 'CV'`
		`    WHEN exclusion.exclude_cp = 'Y' THEN`
		`        CASE WHEN exclusion.akr_bsai_m IS NULL`
		`            THEN 'CP'`
		`            WHEN exclusion.akr_bsai_m = 'M'`
		`             AND stage1.n_adfg !=`
		`                stage1.ito_adfg THEN 'CV'`
		`            ELSE 'CP'`
		`            END`
		`    ELSE 'CV'`
		`END`

GF_IFQ_EXCLUDE_FLAG	This field only applies to groundfish tickets and it flags groundfish records caught during the IFQ fisheries or sablefish STW	`CASE WHEN SUBSTR (ft.cfec_pmt_fshy, 1, 1) = 'B'`
		`    THEN 'HAL IFQ'`
		`    WHEN SUBSTR (ft.cfec_pmt_fshy, 1, 1) = 'C'`
		`     AND ft.adfg_h_gear_code`
		`        --FMP GEAR CODE TRW`
		`        NOT IN ('07','17','27','37','47','97')`
		`    THEN`
		`        CASE WHEN ft.cfec_pmt_serial >= 50000`
		`            THEN 'SAB STW'`
		`            ELSE 'SAB IFQ'`
		`            END`
		`END`

Comprehensive Fish Ticket Auxiliary Fields		
Column Name	Description	Source

GF_MOTHERSHIP_FLG	This field only applies to groundfish tickets and marks any processor that operated as a mothership during the year as according to the AKFIN exclusion process which looks up the processor in the AKR data. This field does not tell you if the processor acted as a mothership for this specific fish ticket.	`CASE WHEN exclusion.proc_code IS NULL THEN 'N'`
		`     WHEN exclusion.akr_bsai_m IS NULL THEN 'N'`
		`     WHEN exclusion.akr_bsai_m = 'M' THEN 'Y'`
		`END`

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.	`CASE WHEN stage1.ito_type = 'SBPR' THEN 'S'`
		`     WHEN exclusion.exclude_cp = 'Y' THEN`
		`          CASE WHEN exclusion.akr_bsai_m IS NULL`
		`               THEN 'CP'`
		`               WHEN exclusion.akr_bsai_m = 'M'`
		`                AND stage1.n_adfg !=`
		`                    stage1.ito_adfg THEN 'M'`
		`               ELSE 'CP'`
		`               END`
		`     WHEN exclusion.exclude_cp_mship = 'Y' THEN 'M'`
		`     ELSE 'S'`
		`END`

GF_REG_AREA	Also derived from the ADFG.GF_STATAREA and COUNCI.COUNCIL_STAT_AREA from NPFMC	`CASE WHEN ft.cfec_database_code in ('G','I','B')`
		`     THEN sa.g_reg_area`
		`     ELSE NULL`
		`END`

GF_TARGET_FT GF_TARGET_WED	In general this is the predominant species group by whole pounds in each haul. Or, for WEEKLY_TARGET for a vessel's recorded hauls in a week. The species groups currently are obtained via the PRIMEX_SPP table. Prohibited species are not counted with the exception of halibut. Halibut is a possible target if the haul is IFQ, with HAL gear. If flatfish is the predominant species group and Yellowfin sole is >= 70% of the flatfish total then target fishery is Yellowfin sole otherwise the greater of rock sole, flathead sole or other flatfish is the target fishery. If Pollock is >= 95% total catch then target fishery is mid-water Pollock else if Pollock is predominant species but <95% total catch then the target fishery is non-pelagic Pollock.	Extrapolated target sources, FT_TARGET.TARGET and WEEKLY_TARGET.TARGET

INSIDE_WATERS	This field categorizes the ADFG_I_STAT_AREA as inside waters, outside waters, or the donut hole (I,O,D) by using a join of ADFG.GF_STATAREA and COUNCIL.COUNCIL_STAT_AREA	`CASE WHEN ft.cfec_database_code IN ('G','I','B')`
		`     THEN sa.inside`
		`     ELSE NULL`
		`END`

Comprehensive Fish Ticket Auxiliary Fields		
Column Name	Description	Source
ITO_ADFG	The ADFG number if the processor is a vessel	ITO/ENCOAR ADFG vessel number (ADFG_VESSEL_NUM)
ITO_CITY	City code from the ITO System	ITO/ENCOAR processor's address (PR_CITY)
ITO_CODE	State Processor Code	AKFIN.AKFIN_STATE_PROC_DATA.CODE
ITO_COMPANY	Processing company name.	ITO/ENCOAR company name or business (OP_CO_NAME_BUSINESS)
ITO_FEDID	Federal ID number of processor. Can be used to associate individual facilities into companies.	ITO/ENCOAR encrypted federal ID (FED_ID_ENCRYPT)
ITO_PLANT	Processor's plant or operation type code	ITO/ENCOAR plant (PLANT)
ITO_STATE	State code from the ITO system	ITO/ENCOAR processor's address (PR_STATE)
ITO_TYPE	Type of processor as given in the intent to operate file.	Type of processor as given in the intent to operate file.
ITO_VNAME	Processing vessel's name.	ITO/ENCOAR type code (E_PROC_TYPE)
ITO_YEAR	Most recent year of ITO registration for ITO_CODE	ITO/ENCOAR operation year (OP_YEAR)
ITO_ZIP	Zip Code from the ITO System	ITO/ENCOAR processor's address (PR_ZIP1)

Comprehensive Fish Ticket Auxiliary Fields		
Column Name	**Description**	**Source**

MANAGEMENT_AREA_CODE	Management Area based on Species or Database code	<pre>CASE
		        WHEN ft.cfec_database_code = 'G'
		THEN
		          gfa.MANAGEMENT_AREA_CODE
		        WHEN ft.cfec_database_code IN ('H',
		'S')
		
		        THEN
		          sha.SH_MANAGEMENT_UNIT_CODE
		        WHEN ft.cfec_database_code =
		'I'
		          AND adfg_i_species_code NOT IN
		('850', '851')
		          AND akfin_species_code !=
		'TCRB'
		        THEN
		          ia.I_KING_REGULATION_MGT_AREA
		        WHEN ft.cfec_database_code =
		'I'
		          AND adfg_i_species_code IN
		('850', '851')
		        THEN
		          ia.I_SCALLOP_REGULATION_MGT_AREA
		        WHEN ft.cfec_database_code =
		'I'
		          AND akfin_species_code =
		'TCRB'
		        THEN
		          ia.I_TANNER_REGULATION_MGT_AREA
		        ELSE
		          NULL
		    END)NULL
		    END)</pre>

Comprehensive Fish Ticket Auxiliary Fields		
Column Name	**Description**	**Source**

MANAGEMENT_AREA_DISTRICT_CODE	Management District based on Species or Database code	`CASE`
		`            WHEN    ft.cfec_database_code = 'G'`
		`                AND adfg_i_species_code = '130'`
		`                AND (CASE`
		`                        WHEN ft.cfec_database_code IN ('B')`
		`                            AND sa.fmp_subarea IS NULL`
		`                        THEN`
		`                            TO_CHAR (sa2.RAC)`
		`                        ELSE`
		`                            sa.ZONE`
		`                     END) IN`
		`                        ('650', '659')`
		`            THEN`
		`                SE_LINGCOD_MGT_DISTRICT_CODE`
		`            WHEN ft.cfec_database_code IN ('H', 'S')`
		`            THEN`
		`                sha.SH_DISTRICT`
		`            WHEN ft.cfec_database_code = 'G'`
		`            THEN`
		`                gfa.MANAGEMENT_AREA_DISTRICT_CODE`
		`            WHEN    ft.cfec_database_code = 'I'`
		`                AND adfg_i_species_code NOT IN ('850', '851')`
		`                AND akfin_species_code != 'TCRB'`
		`            THEN`
		`                ia.I_KING_MGT_DISTRICT`
		`            WHEN    ft.cfec_database_code = 'I'`
		`                AND adfg_i_species_code IN ('850', '851')`
		`            THEN`
		`                ia.I_SCALLOP_MGT_DISTRICT`
		`            WHEN    ft.cfec_database_code = 'I'`
		`                AND akfin_species_code = 'TCRB' THEN`
		`                ta.ITANNERDIS`
		`            ELSE NULL`
		`        END`

Comprehensive Fish Ticket Auxiliary Fields		
Column Name	**Description**	**Source**

MEAL_FLAG	Fish tickets with ADF&G delivery codes 41 or 42 are flagged	`CASE WHEN ft.adfg_i_delivery_code IN ('41', '42')`
		`    or ft.adfg_i_disposition_code in ('41','42')`
		`    THEN 'Y'`
		`    ELSE 'N'`
		`END`

N_ADFG	Corrected ADF&G vessel number from AKFIN.AKFIN_VESSEL_CORRECTIONS.	`NVL(corr.corrected_adfg, ft.cfec_corrected_adfg)`

N_EARN	Equals zero for all dead loss entries (harvest code = 79) and rounds to the nearest dollar for all other records. This variable was needed because until 2002 dead loss entries were priced. This should now be fixed and the variable should be obsolete.	`CASE WHEN ft.adfg_i_delivery_code = '79' then 0`
		`    ELSE CASE WHEN ft.cfec_value > 0`
		`            AND ft.cfec_value <= 1 THEN 1`
		`        ELSE ROUND(ft.cfec_value,0)`
		`        END`
		`END`

N_PORT	AKFIN-modified port code that translates the IFQ port code on halibut tickets to the ADF&G port code value.	`NVL(NVL(iphcpc.adfg_port,iphcpc.akfin_port),` `                ft.adfg_h_port_code)`
PRC_CHANGE_DATE	Date of the last pricing performed by CFEC of the ADF&G and IPHC data. This is taken from the CFEC.PRICE table which is joined to the fish ticket data by year (ADFG_B_BATCH_YEAR), port or area (CFEC_PRICE_CATEGORY_AREA), gear (CFEC_PRICE_CATEGORY_GEAR), delivery or disposition (CFEC_PRICE_CATEGOTY_DELIVERY), and species codes (ADFG_I_SPECIES_CODE).	CFEC pricing data change date (PRC_DATE_OF_CHANGE)
PRC_PRELIM_FLAG	This describes weather or not the last pricing by the CFEC was preliminary or not. The data comes from the CFEC_PRICE table.	CFEC pricing data, preliminary price flag (CFEC PRC_FLAG_PRELIM_PRICE)
PRICE_SPEC_GRP	Species group used for pricing	`akfin.nmfs_wholesale_gfish_species.specgrp`
PORT_NAME	Port city based on the N_PORT code value	`NVL(UPPER(iphcpc.PORT_NAME), port.CITY)`
PORT_STATE	Port state based on the N_PORT code value	`NVL(UPPER(iphcpc.STATE), port.STATE)`
PROCESSOR_PERMIT_ID	The federal fisheries permit number of the processor, translated based on processing vessel or AKFIN processor code cross reference.	`pcode_xref.ffp_pn`
SPECIES_NAME	The common name for the ADFG species code	ADFG species table (SPECIES_NAME)
VESSEL_ID	The federal fisheries permit number of the catcher vessel if available.	AKR vessel source (ID)

Comprehensive Fish Ticket Auxiliary Fields		
Column Name	Description	Source

VES_AKR_CFEC	Flag that denotes which agency sourced the AKR vessel description fields. The AKR-sourced vessel fields are supplemented with data from the CFEC when no federal vessel registration is available. This ensures a user need only select from one field when reporting vessel information and that the user will be able to pick up information on vessels registered only with the State.	`CASE WHEN ffp_ves.adfg_number IS NOT NULL`
		`    THEN 'AKR'`
		`    ELSE 'CFEC'`
		`    END`

VES_AKR_CG_NUM	Catcher vessel's coast guard number. 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_CG_NUM field.	AKR Vessel (COAST_GUARD_NUMBER)
VES_AKR_GROSS_TONNAGE	A measure of the catcher vessel's size by the amount (in tons) it can displace. 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_GROSS_TONNAGE field.	AKR Vessel (GROSS_TONNAGE)
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.	AKR Vessel (HOMEPORT_CITY_NAME)
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.	AKR Vessel (HOMEPORT_STATE_CODE)
VES_AKR_SHAFT_HORSEPOWER	A measure of the catcher vessel's propelling ability. 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_HORSEPOWER field.	AKR Vessel (SHAFT_HORSEPOWER)
VES_AKR_LENGTH	Length (overall) of 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_LENGTH field.	AKR Vessel (LENGTH_OVERALL)

Comprehensive Fish Ticket Auxiliary Fields		
Column Name	**Description**	**Source**
VES_AKR_NAME	Name of 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_NAME field.	AKR Vessel (NAME)
VES_AKR_NET_TONNAGE	How much weight (metric tons) the boat (catcher vessel) can float. 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_NET_TONNAGE field.	AKR Vessel (NET_TONNAGE)
VES_CFEC_SEQ_NUM	Vessel owner sequence number for a given year (1= first owner, 2 = second owner, etc.)	CFEC Vessel (V_VESSEQ)
VES_CFEC_CG_NUM	Coast guard number of the catcher vessel as registered annually with the CFEC	CFEC Vessel (V_CGNO)
VES_CFEC_GROSS_TONNAGE	How much the catcher vessel can displace in metric tons as annually registered with the CFEC	CFEC Vessel (V_GRSTON)
VES_CFEC_HOMEPORT_CITY	Catcher vessel homeport city as registered annually with CFEC	CFEC Vessel (V_HPCITY)
VES_CFEC_HOMEPORT_STATE	Catcher vessel homeport state as registered annually with CFEC	CFEC Vessel (V_HPST)
VES_CFEC_HORSEPOWER	Power of the catcher vessel as registered yearly with the CFEC	CFEC Vessel (V_HPOWER)
VES_CFEC_LENGTH	Catcher vessel length (feet) as annually registered with the CFEC	CFEC Vessel (V_LENGTH)
VES_CFEC_NAME	Catcher vessel name as registered annually with the CFEC	CFEC Vessel (V_VNAME)
VES_CFEC_NET_TONNAGE	How much the catcher vessel can float; as registered with the CFEC annually	CFEC Vessel (V_NETTON)
VES_CFEC_I_FILNUM	An individual's unique id in the CFEC system.	CFEC Vessel (I_FILNUM)
VES_OWNER_CITY	Catcher vessel owner's city of residence	CFEC People (A_CITY)
VES_OWNER_NAME	Catcher vessel owner's name	CFEC People (I_NAME)
VES_OWNER_NAMTYP	Catcher vessel owner's name type	CFEC People (I_NAMTYPE)
VES_OWNER_STATE	Catcher vessel owner's state	CFEC People (A_STATE)
VES_OWNER_ZIP	Catcher vessel owner's zip code	CFEC People (A_ZIP)

Comprehensive Fish Ticket Auxiliary Fields		
Column Name	Description	Source
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
WED	WEEK_END_DATE value reformatted as MMDD	`TO_CHAR (aad.week_ending_date, 'MMDD')`
WEEK_END_DATE	Uses AKFIN.AKFIN_DATE_D to translate the ADFG_H_DATE_LANDED into a week-ending date.	AKFIN date dimension (WEEK_ENDING_DATE)
AKFIN_SPECIES_CODE	The AKFIN_Species_Code is comprised of 14 codes and is used to group species. The grouping is by a 4 letter code. The definitions are as follows: AMCK (Atka Macherel), FLTF (Flatfish), HLBT(Halibut), HRNG(Herring), KCRB(King Crab), OCRB(Other Crab), PCOD(Pacific Cod), PLCK(Walleye Pollock), ROCK(Rockfish), SBLF(Sablefish), SLMN(Salmon), SHLF(Shellfish), TCRB(Tanner Crab) – Other (OTHR	AKFIN_SPECIES_VIEW
GF_PRICING_FLAG	This flag is used to determine groundfish species for used in the Product Pricing Index Procedure	
AKFIN_YEAR	Year of record	ADFG_B_BATCH_YEAR
AKFIN_VDATE	Date the COMPREHENSIVE_OBS datamart table was refreshed.	