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**Pacific Fisheries Information Network**

**Comprehensive Fish Ticket Table**

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| **Date** | **Author** | **Change Comments** | **Version** |
| 10/06/2014 | Ames |  | 1.0 |
| 01/20/2015 | Ames | Added another column in Table 1 that shows name translations from legacy PacFIN to New PacFIN. And edits to the Important changes from legacy PacFIN section | 1.1 |
| 01/27/2015 | Ames | Fixed off-set column descriptions in Table 1. | 1.2 |
| 03/03/2015 | Ames | GMT\_SABLEFISH\_CODE field description and codes | 1.3 |
| 08/24/2015 | Ames | Modification of THOMSON\_FISHERY\_CODE | 1.4 |
| 03/21/2016 | Ames | Update of new columns and removed "congressional district" column | 1.5 |
| 6/14/2016 | Ames | Update of columns and codes, and added data columns in PacFIN Answers' version of comprehensive fish tickets. Modifications are in bold **BLUE** text. | 1.6 |

## Subject

The goal of this project is to create a standardized fish ticket table for reporting all shoreside landings on the West Coast for analyses, including in-season management. The Comprehensive Fish Ticket table is generated by using a collection of base data sources along with auxiliary data from federal and state agencies to further define records and associated entities.

## Background

The comprehensive fish ticket table (i.e., COMPREHENSIVE\_FT) is based on state fish tickets, enhanced by applying the state agencies’ catch-by-area and species composition proportions to correct catch areas, nominal[[1]](#footnote-1) species categories and multispecies market categories for groundfish landings. These enhancements are built alongside the original raw data to allow PacFIN users the ability to query both the enhanced as well as raw data from the same table. In addition, electronic[[2]](#footnote-2) fish tickets (etickets) have been incorporated for some fisheries to provide near real-time monitoring of primarily IFQ fisheries. Finally, value-added auxiliary data from federal and state agencies are joined to further define the records and associated entities.

This new comprehensive data set will replace all other fish ticket sources and will be the source for all future analyses and reporting. This easy to use data set is available to confidential users through Answers, SQL developer/Toad/Putty, Oracle R, and soon through Explorer. For non-confidential users these data will be available through interactive web base summaries on PacFIN's website.

## Table Structure

The comprehensive fish ticket table currently has 106 columns that are organized into groups of like columns (Table 1). For example, all gear codes and descriptions are grouped together to allow users to easily find the appropriate fields to query. Furthermore, the column names are more descriptive than legacy PacFIN (e.g., grid = pacfin\_gear\_code) to reduce confusion. Table partitioning and indexing has been added to improve querying and reporting performance. The partitions are on year (i.e., PACFIN\_YEAR) and the indexes are local to each partition. Users should see improved performance over legacy PacFIN regardless of whether they are accessing the table through Answers, Explorer, or other web-based reporting tools.

## Important Changes from Legacy PacFIN

Below is a list of some important changes from legacy PacFIN to the new comprehensive fish ticket table.

* Vessels: All vessels have three unique vessel identifiers that are critical for tracking, linking, and matching vessels to specific fish tickets, fisheries, and to other vessel source data. The first two identifiers are derived by PacFIN and are (1) VESSEL\_REGISTRATION\_ID and (2) VESSEL\_ID. The third is VESSEL\_NUM which is similar to the legacy PacFIN’s DRVID, except it does not include “ZZZ” numbers or “NONE” vessels. These vessels are instead identified as “MISSING” or “UNKNOWN”. If no vessel was used than the field is null.

The VESSEL\_REGISTRATION\_ID is used to link vessel owners and annual registrations as provided by WDFW, ODFW, and CDFW to specific fish ticket landings. The VESSEL\_ID links vessels to all known unique vessel registrations, state licensing, documentation numbers, etc. (e.g., USCG documentation number). This VESSEL\_ID is used to track vessels through time and to fisheries outside West Coast (e.g., Alaska Fisheries). For example, in 2013 VESSEL\_ID "21219219" had two different VESSEL\_REGISTRATION\_IDs "21360469" which links it to ODFW's fish tickets and registration, and "21360503" which links it to WDFW's fish tickets and owner/licensing registration. Vessel ownership and licensing registration information are contained in PacFIN's VESSEL\_REGISTRATIONS table.

* Fleet: This field is the same as in the VDRFD table, except it corrects for false matches. There are a few instances where a vessel is classified as “LE” because legacy PacFIN matched the “NONE” vessels to federal permits incorrectly. These are fixed in the new system.
* Unknown and missing vessel identifications: If the vessel is not known it is still given a unique VESSEL\_REGISTRATION\_ID and VESSEL\_ID and that ID is classified in the VESSEL\_REGISTRATIONS table as "UNKNOWN" or "MISSING". If the landing is not from a vessel then the VESSEL\_REGISTRATION\_ID field is null in COMPREHENSIVE\_FT and there is no associated records in VESSEL\_REGISTRATIONS table. This is different from legacy PacFIN where the unknown vessels were given a "ZZZ…" ID and when a vessel was not used were given a "NONE" ID.
* Unique fish tickets: All fish tickets have unique fish ticket ids that have been derived from PacFIN (i.e., FISH\_TICKET\_ID). This removes the need to add multiple columns to get a unique fish ticket. In legacy PacFIN users need to include multiple columns to pull out a unique fish ticket (i.e., FTID, AGID, TDATE, PARGRP)
* **Electronic tickets: Etickets are included in the comprehensive fish ticket data set, but are replaced by PacFIN’s hard copy fish tickets when they become available. Earlier versions had logic to remove unresolved etickets after 180 days if not replaced by hard copy tickets. This is no longer the case, eticket records will remain until hard copy tickets become available. Etickets can be identified within the table by the use of "TICKET\_SOURCE\_CODE" column.**
* Federal and state permits: State permits are not included nor are the federal permits. They can be linked, but were not included because they would take up too many columns in an already large table. However, federal groundfish LE permit counts as well as corresponding gear endorsements are included.
* Fishery definitions and codes: Fish ticket records can be classified into separate sectors or fisheries, such as the Dahl sectors and Thomson fisheries. These fishery classifications are included in the COMPREHENSIVE\_FT to help PacFIN users extract appropriate fish ticket records. One important change to the Dahl sectors in the new database architecture is that all vessels defined as "ZZZ…" and "NONE" have been removed, which affects some fish ticket landings. In legacy PacFIN, the Dahl sector classifications are derived by using the DRVID and other columns to summarize daily landings to identify which fishery a particular vessel was participating. The DRVID as "NONE" was applied to all landings when a vessel was not used. As a consequence some of these landings were summarized together as the single entity and were misclassified. In the COMPREHENSIVE\_FT the VESSEL\_REGISTRATION\_IDs is null if a vessel was not used. The new approach for dealing with these situations, when a vessel was not used, is to summarize daily landings using the fisher's license number as the defined entity and if the fisher's license number is null then each fish ticket is assumed to be from a unique individual and classified appropriately.

## Output table

Table 1. COMPREHENSIVE\_FT columns and column descriptions

| New PacFIN Name | Legacy PacFIN Name | Description |
| --- | --- | --- |
| LANDING\_YEAR | YEAR | Year the catch was delivered (Format: yyyy). Note: The database table is partitioned by PacFIN year and not landing year. All queries that include year should use PACFIN\_YEAR instead of LANDING\_YEAR to increase performance |
| LANDING\_MONTH | MONTH | Month the catch was delivered (Format: mm) |
| LANDING\_DAY | DAY | Day the catch was delivered by the fisher (Format: dd) |
| LANDING\_DATE | TDATE | Date from fish-ticket (Format: dd-MMM-yy) |
| NUM\_OF\_DAYS\_FISHED | DAYSFISHED | Number of days fished (WDFW and ODFW only) |
| FISH\_TICKET\_ID |  | A unique number assigned to each fish ticket. This fish ticket identifier is created by PacFIN |
| FTID | FTID | Fish ticket identifier provided by the state agencies. This number is not necessarily unique and should not be used to identify unique fish ticket landings |
| AGENCY\_CODE | AGID | An agency identifier |
| PARTICIPATION\_GROUP\_CODE | PARGRP | Participant group ("A" = Aquaculture , "C" = non-Indian commercial fisher, "I" = Treaty Indian commercial fisher, "U" = Unknown or Unspecified |
| PARTICIPATION\_GROUP\_NAME | PARGRP DESCRIPTION | Participant group name ("A" = Aquaculture , "C" = non-Indian commercial fisher, "I" = Treaty Indian commercial fisher, "U" = Unknown or Unspecified |
| FLEET\_CODE | FLEET | Fleet type (limited entry = "LE", open access = "OA", trl Indian = "TI", research = "R", unknown = "XX") |
| VESSEL\_REGISTRATION\_ID |  | Primary Key. Vessel identifier that links vessels from the vessel registrations table to fish tickets |
| VESSEL\_ID |  | Vessel identifier created by PacFIN. These are unique numbers assigned to vessels |
| VESSEL\_NUM | DRVID | Similar to Legacy PacFIN’s DRVID, but not exactly. It can be a USCG VID (ex: 1234567 or AK1234nn) or MISSING or UNKNOWN if vessel ID not provided or invalid. It is also “Null” if no vessel was used. |
| VESSEL\_TYPE\_CODE | IDTYPE | 1 = USCG >= 5 net tons, 2 = USCG < 5 net tons, 3 = State Agency Plate number (registration), 4 = Indian tribe identification, 5 = Canadian Vessel, 7 = illegal or unregistered vessel, 8 = confiscated catch, U = unknown or unidentified vessel (missing), W = WDFW Registration Number |
| FISHER\_LICENSE\_NUM | FISHERMAN\_LICENSE | A fisherman license number (CA and WA only) |
| GEAR\_CODE | GEAR | Source agency gear code |
| GEAR\_NAME | NAME DESCRIPTION | Source agency gear name |
| ADJUSTED\_GEAR\_CODE | ADJ\_GRID | Adjusted PacFIN gear code |
| PACFIN\_GEAR\_CODE | GRID | PacFIN gear code |
| PACFIN\_GEAR\_DESCRIPTION | GRID DESCRIPTION | PacFIN gear code description |
| PACFIN\_GROUP\_GEAR\_CODE | GRGROUP | PacFIN gear group code |
| CATCH\_AREA\_CODE | AREA | Agency area code |
| CATCH\_AREA\_DESCRIPTION | AREA DESCRIPTION | Agency area code description |
| AREA\_TYPE\_CODE | AREATYPE | Type of area of this catch |
| AREA\_TYPE\_NAME | AREATYPE DESCRIPTION | Name of type of area of this catch |
| ORIG\_PACFIN\_CATCH\_AREA\_CODE | FTL\_ARID | PacFIN area code corresponding to the state agency area code found on the fish ticket |
| PACFIN\_CATCH\_AREA\_CODE | ARID | PacFIN area code after application of area comps. The value of this area code is different than ORIG\_PACFIN\_CATCH\_AREA\_CODE |
| PACFIN\_CATCH\_AREA\_NAME | NAME | Name of PacFIN area code after application of area comps |
| PACFIN\_CATCH\_AREA\_DESCRIPTION | ARID DESCRIPTION | Description of PacFIN area code after application of catch area proportions |
| PACFIN\_GROUP\_CATCH\_AREA\_CODE | ARGROUP | PacFIN area group code after application of catch area proportions |
| INPFC\_AREA\_TYPE\_CODE | INPFC\_ARID | Agency INPFC area code after application of catch area proportions NVL(inpfc\_area\_type\_code, 'XX') AS inpfc\_area\_type\_code, |
| COUNCIL\_CODE | COUNCIL | Area designation (P = PFMC; N = NPFMC; \* = neither) |
| PORT\_CODE | PORT | Source agency port code (the port-of-landing) |
| PORT\_NAME | PORT DESCRIPTION | Source agency port code name (the port-of-landing) |
| PACFIN\_PORT\_CODE | PCID | PacFIN port code |
| PACFIN\_PORT\_NAME | PCID SHORTNAME | PacFIN port code name |
| PACFIN\_PORT\_DESCRIPTION | PCID NAME | PacFIN port code description |
| PACFIN\_GROUP\_PORT\_CODE | PCGROUP | PacFIN group port code |
| COUNTY\_CODE | CID | County code |
| COUNTY\_NAME | COUNTY | Name of county |
| COUNTY\_STATE | STATE | County state |
| SUBREGION\_CODE | RID2 | Group county codes. Grouping of counties into sub-regions |
| SUBREGION\_NAME | RID2 REGION | Name of sub-region |
| REGION\_CODE | RID1 | Group county codes. Grouping of counties into regions |
| REGION\_NAME | RID1 REGION | Name of region |
| DEALER\_ID |  | Dealer identifier created by PacFIN. These are unique numbers assigned to dealers |
| DEALER\_NUM | PROC or PROCESSORID | The identifier for the processor company or buyer that processed, or received, the delivery of fish. For CDFW this column contains a buyer-id and the processor-id is derived by taking the first five characters only |
| DEALER\_NAME | PROC NAME | Dealer name or description |
| SPECIES\_CODE | CATEGORY | State agency species identifier (i.e. market category) |
| SPECIES\_CODE\_NAME | CATEGORY DESCRIPTION | State agency species name (i.e. market category) |
| ORIG\_PACFIN\_SPECIES\_CODE | FTL\_SPID | PacFIN species code corresponding to the state agency species code found on the fish ticket |
| PACFIN\_SPECIES\_CODE | SPID | PacFIN species code |
| PACFIN\_SPECIES\_COMMON\_NAME | SPID CNAME | PacFIN species common name after application of species proportions |
| PACFIN\_SPECIES\_SCIENTIFIC\_NAME | SPID SNAME | PacFIN species scientific name after application of species proportions |
| MANAGEMENT\_GROUP\_CODE | MGRP | PacFIN species management group after application of species proportions |
| COMPLEX | COMPLEX | PacFIN species groupings after application of species proportions |
| COMPLEX2 | COMPLEX2 | Additional species grouping after application of species proportions |
| COMPLEX3 | COMPLEX3 | Additional species grouping after application of species proportions |
| COMPLEX4 | COMPLEX4 | Additional species grouping after application of species proportions |
| REMOVAL\_TYPE\_CODE | REMOVAL\_TYPE | Removal type code |
| REMOVAL\_TYPE\_NAME | REMOVAL\_TYPE DESCRIPTION | Removal type name is either (commercial, EFP, personal use, research, or commercial (direct sale) |
| IS\_REMOVAL\_LEGAL | LEGAL\_REMOVAL | Boolean (T/F); = 'T' if the removal was legal |
| GRADE\_CODE | GRADE | Grade or size category of the catch |
| GRADE\_NAME | GRAD DESCRIPTION | Name of GRADE\_CODE |
| CONDITION\_CODE | COND | Condition of catch at time of landing |
| CONDITION\_NAME | COND DESCRIPTION | Name of CONDITION\_CODE |
| DISPOSITION\_CODE | DISP | Disposition of catch |
| DISPOSITION\_NAME | DISP DESCRIPTION | Name of DISPOSITION\_CODE |
| PRODUCT\_USE\_CODE | PRODUCT\_USE | Intended use of the catch |
| PRODUCT\_USE\_NAME | PRODUCT\_USE DESCRIPTION | Name of PRODUCT\_USE\_CODE |
| PRODUCT\_FORM\_CODE | PRODUCT\_FORM | The form of the product |
| PRODUCT\_FORM\_NAME | PRODUCT\_FORM DESCRIPTION | Name of PRODUCT\_FORM\_CODE |
| IS\_OVERAGE | OVERAGE | Boolean (T/F); = 'T' if the catch exceeds the limit |
| NUM\_OF\_FISH | NUM\_FISH | Number of fish caught (nominally for salmon only. For CDFW salmon (i.e. chinook) for 1986 thru the present this statistic is a derived value based on average weights developed from samples. For CDFW for 1981-1985 num\_fish for salmon are not available (i.e. num\_fish is set to null). For ODFW num\_fish NOT provided for Columbia River and Troll landings. For WDFW salmon the num-fish values are actual counts of fish (i.e. no sampling for average weight). For WDFW num\_fish is provided for a few non-salmon species) |
| LANDED\_WEIGHT\_LBS | LWT\_LBS | Landed weight, units are in pounds |
| LANDED\_WEIGHT\_MTONS |  | Landed weight, units are in metric tons. 1 metric ton (mt) ≈ 2,204.62 pounds.  landed\_weight\_lbs / 2204.62262 AS landed\_weight\_mtons |
| CONVERSION\_FACTOR | FACTOR | Round weight conversion factor scaled nn.nnn |
| ROUND\_WEIGHT\_LBS | RWT\_LBS | Landed weight converted to round weight. Units are in pounds.  weight\_of\_catch \* NVL(conversion\_factor,1) AS round\_weight\_lbs |
| ROUND\_WEIGHT\_MTONS |  | Round weight, units are in metric tons. 1 metric ton (mt) ≈ 2,204.62 pounds.  round\_weight\_lbs / 2204.62262 AS round\_weight\_mtons |
| IS\_VALUE\_ESTIMATED | ESTIMATED | Boolean (T/F); ='T' if dollar value is estimated |
| PRICE\_PER\_POUND | PPP | Price per pound; units = dollars per pound |
| EXVESSEL\_REVENUE | REV | Actual or estimated revenue in dollars.  weight\_of\_catch \* price\_per\_pound AS exvessel\_revenue |
| IS\_ETIX\_DATA |  | If landing was from etickets, flag = 'T'; if not, flag is = 'F'. **This field is redundant and will be phased out. Use the "TICKET\_SOURCE\_CODE" instead. See description below** |
| IS\_IFQ\_LANDING | IFQ\_LANDING | If landing was IFQ, flag = 'T'; if not an IFQ landing, flag is = 'F' |
| IFQ\_ACCOUNT\_NUM |  | IFQ holders account number |
| IS\_AREA\_COMP\_USED |  | If catch area proportions were applied, flag = 'T'; if not flag is = 'F' |
| IS\_SPECIES\_COMP\_USED |  | If species proportions were applied, flag = 'T'; if not flag is = 'F' |
| DAHL\_GROUNDFISH\_CODE | DAHL\_SECTOR | This field contains numeric codes identifying groundfish “sectors.” These sectors are meant to identify landings according to fishery components, or sectors, used in management. Sectors are defined through a combination of species composition of landings, gear type, and permit status, among other factors |
| THOMSON\_FISHERY\_CODE |  | This field has fishery codes or sectors that allow for a comprehensive characterization of all commercial landings on the Pacific coast during 1981-to present. These fishery definitions will take the form of species/gear combinations – based on the species and gear codes used in PacFIN  **'01' = Dungeness Crab Pot, '02' = Other Crab Pot, '03' = Lobster Pot, '04' = Prawn Pot, '05' = Pink Shrimp Trawl, '06' = Prawn Trawl, '07' = Whiting Trawl, '08' = DTS Trawl, '09' = Other Groundfish Trawl, '10' = Sablefish Pot, '11' = Sablefish Hook & Line, '12' = NearShore Rockfish Pot,'13' = NearShore Rockfish Hook & Line, '14' = Non NearShore Rockfish Port, '15' = Non NearShore Rockfish Hook & Line, '16' = Halibut Hook & Line, '17' = Halibut Trawl, '18' = Halibut Net, '19' = Sturgeon Net, '20' = Salmon Troll, '21' = Salmon Net, '22' = Squid Seine, '23' = CPS Seine, '24' = Herring, '25' = WS Bass, '26' = Tuna Troll, '27' = Tuna Seine, '28' = Shark Net, '29' = Hagfish Pot, '30' = Swordfish Net, '31' = Swordfish Other, '32' = Clam Dredge, '33' = Clam Scallop Other, '34' = Oyster, '35' = Scallop Trawl, '36' = Abalone, '37' = Urchin, '38' = Sea Cucumber, '39' = Groundfish Net, '40' = Groundfish Troll, '41' = Bait Ghost Shrimp, '42' = Bait Shrimp, '00' = Everything Else** |
| DANGELO\_HMS\_CODE |  | This field contains fishery codes for identifying Highly Migratory Species fisheries. The codes are:  'HAR' = Harpoon (50 CFR 660.715), 'PS-HMS-EPO' = Purse Seine (50 CFR 660.714), 'DGNLM' = Large Mesh Drift Gillnet (50 CFR 660.713), 'DGNSM' = Small Mesh Drift Gillnet, 'LL' = Hawaii Longline (Pelagics FMP) – West Coast landings, 'LL-FMP' = HMS FMP Longline (50 CFR 660.712), 'LTL-ALB-NP' = Surface Hook-and-Line Fishery for Albacore (50 CFR 660.716), 'LTL-ALB-CN' = Canadian Troll (U.S.-Canada Albacore Treaty), 'LTL-ALB-SP' = South Pacific Albacore Troll (High Seas Fishing Compliance Act), 'LX' = HMS Hook and Line fishery, and 'MIS' = HMS species miscellaneous or unknown fishery |
| GMT\_SABLEFISH\_CODE |  | This field contains fishery codes for identifying sablefish fisheries.  Primary = ‘PRI’, DTL Limited Entry South = ‘LES’, DTL Limited Entry North = ‘LEN’, DTL Limited Entry Unknown Area = ‘LEU’, DTL Open Access South = ‘OAS’, DTL Open Access North = ‘OAN’, DTL Open Access Unknown Area = ‘OAU’, **IFQN = IFQ North, IFQS = IFQ South, IFQU = IFQ Unknown area** |
| COUNT\_LE\_PERMITS | Count of NWR\_LE\_PERMIT | Distinct count of NWR/LE permits under which the vessel fished |
| IS\_TRAWL\_ENDORSED | TRWL\_GEAR | If NWR/LE permit is trawl endorsed, flag = 'T'; if not flag is = 'F' |
| IS\_LONGLINE\_ENDORSED | LGLN\_GEAR | If NWR/LE permit is longline endorsed, flag = 'T'; if not flag is = 'F' |
| IS\_TRAP\_ENDORSED | TRAP\_GEAR | If NWR/LE permit is trap endorsed, flag = 'T'; if not flag is = 'F' |
| PACFIN\_YEAR | YEAR | Year the catch was delivered. (Format: yyyy). The database table is partitioned by PacFIN year. All queries that include year should use PACFIN\_YEAR instead of LANDING\_YEAR |
| PACFIN\_VDATE |  | Version Date. The date the records were refreshed |
| CFT\_ID |  | **Match ID code for internal processing by PacFIN staff** |
| IS\_EM\_LANDING |  | **If landing was from electronic monitoring (EM) vessel, flag = 'T'; if not, NULL** |
| TICKET\_SOURCE\_CODE |  | **E = eticket**  **T = Ticket from a State system that does not have corresponding Eticket**  **R = Reconciled or replaced eticket that was replaced by a state ticket** |
| NOMINAL\_TO\_ACTUAL\_SPECIES\_CODE |  | **This field converts all PacFIN nominal species codes to PacFIN actual species codes. For example, nominal dover sole, "DVR1" would be converted to "DOVR"** |

**Table 2. Comprehensive fish ticket subject area in PacFIN Answers has all the fields in table 1, but also includes additional fields that are exclusive to Answers. These additional fields are listed below.**

|  |  |  |
| --- | --- | --- |
| PacFIN Name  (Exclusive to Answers) | Legacy PacFIN Name | Description |
| INFLATION\_ADJUSTER |  | **Inflation adjuster value. Derived from the Bureau of Economic Analysis, U.S. Department of Commerce** |
| PRICE\_DEFLATOR\_FOR\_GDP |  | **Price deflator value, U.S. Department of Commerce** |
| GEAR\_ENDORSED |  | **Gear endorsement for corresponding limited entry (LE) permits. L = longline, P = trap, T= trawl** |
| GEAR\_SECTOR |  | **Gear sector for corresponding LE permit, "TRAWL", "FIXED", "BOTH"** |
| MULTIPLE\_PERMIT\_ENDORSED |  | **Vessels that possess more than one LE permits within the same year than the flag = 'T', if only one LE permit or less then flag = 'F'** |
| NWR\_LE\_PERMIT\_NUM |  | **Limited Entry (LE) Permit number** |
| PERMIT\_ENDORSED\_LENGTH |  | **Vessel length for corresponding LE permits** |
| SABLEFISH\_ALLOWABLE\_CATCH\_TIER |  | **Corresponding sablefish tier(s) for LE permit(s)** |
| IOPAC\_PORT\_GROUP |  | **West Coast port groupings** |
| IOPAC\_PORT\_ORDER |  | **Latitude order of West Coast port groupings, from north to south.** |
| LANDING\_QUARTER |  | **Quarter as a number within each year (e.g. Jan to March = 1, etc.)** |
| MONTH\_NAME |  | **Name of month** |
| PERIOD |  | **Period as a number (1 – 6) within each year (e.g. Jan and Feb = 1, Mar and Apr = 2, etc.)** |
| LANDING\_WEEK |  | **Week number within each year. Week is defined as starting from Sunday through Saturday** |
| DAY\_OF\_WEEK |  | **Three character abbreviation for day of the week (e.g. Thu = Thursday, etc.)** |
| WEEK\_END\_DATE |  | **Date of the end of the week, which is always a Sunday** |
| WEEK\_START\_DATE |  | **Date of the start of the week, which is always a Saturday, unless January 1 starts on another week day** |
| DISTINCT\_TRIP |  | **The concatenation of two variables, which are (1) LANDING\_DATE and (2) distinct VESSEL\_ID if null then FISHER\_LICENSE\_NUM if null then FISH\_TICKET\_ID** |
| DEPARTURE\_PACFIN\_PORTCODE |  | **Port of departure at start of fishing trip (PacFIN port code). Only for EM vessels** |
| START\_DATETIME\_UTC |  | **Date and time when vessel departed from port. Only for EM vessels** |
| RETURN\_PACFIN\_PORTCODE |  | **Port of landing at end of fishing trip (PacFIN port code). Only for EM vessels** |
| END\_DATETIME\_UTC |  | **Date and time when vessel returned to port. Only for EM vessels** |
| IFQ\_MANAGEMENT\_AREA |  | **IFQ managmenet areas, which are: "N of 40°10", "40°10 to 36", "36 to 34°27", and "S of 42°27". Only for IFQ landings** |
| HULL\_NUMBER |  | **A serial identification number given to a boat or ship. It is provided in the USGS or state boating agency (e.g, ORMB, WDOL, CDMV) registration records, not in the DFW (WDFW, CDFW, and ODFW) records. As required by federal law, all boats manufactured or imported on or after November 1, 1972 must bear a Hull Identification Number (HIN). It remains with a vessel over a vessel’s life** |
| IS\_CHARTER\_BOAT | **CHARTERBOAT** | **Flag used to indicate whether or not the vessel is a charter boat** |
| LENGTH\_TYPE\_CODE | **LENTYPE** | **Type of length measurement used when registering vessel. 0=length is null; 1=overall length in feet; 2=keel length in feet; 3=USCG length in feet** |
| REGISTRATION\_ACTIVE\_DATE |  | **Date the registration became valid (format: mm/dd/yyyy)** |
| REGISTRATION\_EXPIRE\_DATE |  | **Date the registration became valid (format: mm/dd/yyyy)** |
| REGISTRATION\_NUM | **PLATE** | **It is a boat’s fishing license number, which is issued by state fishery agencies (e.g., WDFW, ODFW, CDFW, ADFG). A boat must be registered with the state to obtain a fishing license number in order to fish on state water. So if a boat fishes both on Washington water and Oregon water. It needs to get a license from both WDFW and ODFW and thus have 2 different REGISTRATION\_NUM** |
| REGISTRATION\_YEAR | **YEAR** | **Year the vessel was registered with the source agency (format: yyyy)** |
| VESSEL\_HORSEPOWER | **HP** | **Horsepower rating. This is self-reported data. If the value in this data field is found to inconsistent with USCG or State supplied data, then USCG or state data should be used in lieu of the value in this data column** |
| VESSEL\_LENGHT | **LEN** | **Length of the vessel in feet. This is self-reported data. If the value in this data field is found to inconsistent with USCG or State supplied data, then USCG or state data should be used in lieu of the value in this data column** |
| VESSEL\_NAME | **NAME** | **Name of vessel** |
| VESSEL\_OWNER\_ADDRESS\_CITY | **CITY** | **City of vessel owner's address** |
| VESSEL\_OWNER\_ADDRESS\_STATE | **STATE** | **State of vessel owner's address** |
| VESSEL\_OWNER\_ADDRESS\_STREET | **STREET** | **Street address of vessel owner** |
| VESSEL\_OWNER\_ADDRESS\_ZIP | **ZIPCODE** | **Zip code for owner's address** |
| VESSEL\_OWNER\_NAME | **OWNER** | **Name of the current, or most recent, vessel owner within a single calendar year.** |
| VESSEL\_WEIGHT | **WGT** | **Vessel weight. This is self-reported data. If the value in this data field is found to inconsistent with USCG or State supplied data, then USCG or state data should be used in lieu of the value in this data column** |
| WEIGHT\_TYPE\_CODE | **WGTTYPE** | **Type of weight measurement used when registering vessel. 0=weight is null; 1=net tonnage; 2=gross tonnage; 3=USCG reported gross tonnage.** |

1. The term "nominal" implies that the market category, while ostensibly comprised of a single species, may actually be represented by additional species. [↑](#footnote-ref-1)
2. Electronic fish tickets do not include all fisheries and sectors. Starting in 2011, etickets are required for shorebased IFQ landings. [↑](#footnote-ref-2)