
Alaska Fisheries Information Network

Comprehensive

Weekly Production Report



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
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Executive Summary

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

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

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

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

Comprehensive Weekly Production Report Data

Weekly Production Report (WPR) data from the National Marine Fisheries Service – Alaska Region (AKR) 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 weekly production report table.

Base Data

Several data sources are combined to create the final view COUNCIL.COMPREHENSIVE_WPR_V. This source contains information on the processing vessel, gear, area, and species processed, along with the product, product weight, and round weight estimates.

Two views are used to populate the final WPR data source:

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1. WPR_BASE_V – Combines data from the current and historic versions of the WPR data from AKR, filtered to include only catcher/processor and mothership vessels:
 - a. AKR.V_VESSEL_PROD_RPT_92_97
 - b. AKR.V_VESSEL_PROD_RPT_98_NOW
2. COMPREHENSIVE_WPR_V - Applies logic to append the auxiliary fields

Base Data Fields

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

Column	Description
WEEK_END_DATE	The last day in a calendar week.
VESSEL_ID	The unique identifier of a vessel.
VESSEL_ADFG_NUMBER	ADFG number assigned to vessel
VESSEL_NAME	
VESSEL_DESIGNATION	Identifies Vessel as Catcher/Processor (P) or Mothership (M)
INSHORE_OFFSHORE_CODE	Identifies where processing occurred (I,O)
AFA_COOP_ID	Unique identifier of an AFA coop.
MANAGEMENT_PROGRAM_CODE	Identifies Program (RPP, CDQ, A80, IFQ, AFA etc)
AGENCY_GEAR_CODE	Gear code (TRW, HAL, POT, JIG, PTR) without translation
REPORTING_AREA_CODE	Code used to identify a federal reporting area.
SPECIAL_AREA_CODE	Management area code of the special area.
FMP_AREA_CODE	Code representing the Federal Management Plan (FMP) area.
TRIP_TARGET_CODE	Code representing target fishery calculated for a week (CP/M).
AGENCY_SPECIES_CODE	3 digit Species Code
SPECIES_GROUP_CODE	Code that identifies the species group to which the Alaska Region's agency species code translates.
PRODUCT_CODE	Two digit number used to identify type of product
PRODUCT_TYPE_CODE	
PRODUCT_WEIGHT_METRIC_TONS	
ROUND_WEIGHT_METRIC_TONS	

Column	Description
SOURCE_TABLE	Code identifying the source of the production report.
YEAR	
AKFIN_LOAD_DATE	Table load date

The comprehensive weekly production report datamart table, COMPREHENSIVE_WPR, is generated by selecting all records from the view COMPREHENSIVE_WPR_V.

Auxiliary Data Sources

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

ADF&G Sources

- **Groundfish Statistical Areas** - The ADFG.GF_STATAREA table is used to translate the ADF&G stat areas to the NMFS reporting areas.
- **Intent to Operate (ITO)** - The source for processor and processor owner information from the processors yearly Intent to Operate data sourced by the ADFG.E_VIEW_TBLITO sources and associated lookup tables.
- **Species** – The ADFG.SPECIS table was used to provide a common species name based on the species 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, this includes a combination of the CFEC VES_VIEW, VAC_VIEW, PPL_VIEW and PPL_ADR_VIEW tables. CFEC variables reflect the value based on the date landed. Homeport values were entered the first time the vessel was registered.

NMFS AKR Sources

- **Area Lookup** – The AKR MANAGEMENT_AREA used to provide descriptions of the special management areas.
- **CDQ Group** – The AKR CDQ_GROUP used to provide a description of the CDQ group code.
- **Management Program** – the AKR MANAGEMENT_PROGRAM table used to remove errant species group codes.
- **Permit Information** - The AKR views and tables V_AFA_PERMIT, and A80_OFFICAL_RECORD used to obtain federal

permit information.

- **Product Table** – The AKR AP_PRODUCT table was used to provide a description of the WPR product code as well as to determine with product codes are determined discards.
- **Species Lookups** – The AKR AGENCY_SPECIE, SPECIES_GROUP, and TARGET_FISHERY tables were used to append descriptions of the AKR species code, species group code, and target fishery codes.
- **Vessel Information** - The AKR view V_VESSEL is used to add current vessel characteristics to the data such as the vessel length, horsepower, home-port, and net tonnage.

NPFMC Sources

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

AKFIN Sources

- **Product Price Index** – Gross Earnings workgroup developed an algorithm to price wholesale product prices by processing sector, FMP area, species, and product code.
- **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.
- **Processing/Harvest Sector Corrections** – The AKFIN_SECTOR_CORRECTIONS table was used to line up the processing/harvest sector’s reported in WPR with those reported in the Blend/Catch Accounting System for the year.
- **Processor Code Cross Reference** – The AKFIN-built process that translates the State ITO code to federal processor code, AKFIN_PROC_CODE_XREF_V, was incorporated to populate the ITO_CODE field.

Auxiliary Data Fields

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

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Column	Description	Source
A80_PROCESSOR_FLAG	Flag indicating processing vessel is an Amendment 80 vessel	CASE WHEN a80p.vessel_id IS NOT NULL THEN 'Y' ELSE 'N' END
AFA_MOTHERSHIP_FLAG	Flag indicating processing vessel is an AFA mothership	NVL (afa.afa_mothership_flag, 'N')
AFA_PROCESSOR_FLAG	Flag indicating the processing vessel	CASE WHEN afa.permit_number IS NOT NULL THEN 'Y'

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Column	Description	Source
	has an AFA endorsement	ELSE 'N' END
AFA_PROCESSOR_PERMIT_TYPE	AFA endorsement type for the processing vessel	afa.permit_type
AKFIN_CDQ_GROUP_ID	AKFIN corrected CDQ field that reflects only valid CDQ group ID's	CASE WHEN LENGTH (wpr.cdq_group_id) = 2 AND SUBSTR (wpr.cdq_group_id, 1, 1) = '5' THEN wpr.cdq_group_id ELSE NULL END
AKFIN_LOAD_DATE	Date WPR data was loaded from the AKR database to the AKFIN database	
AKFIN_VDATE	Date the COMPREHENSIVE_WPR datamart table was refreshed.	
AKFIN_YEAR	Year noted	From wpr.base_v
CDQ_GROUP_ID	From wpr.base_v	
CDQ_FLAG	AKFIN_CDQ_GROUP_ID used to flag accounts with valid CDQ entry	CASE WHEN akfin_cdq_group_id IS NOT NULL THEN 'Y' ELSE 'N' END
CDQ_GROUP_NAME	CDQ Group name from the AKR CDQ Group Table	AKR CDQ Group name (NAME) based on the AKFIN_CDQ_GROUP_ID field
FMP_AREA	FMP Area grouping of BSAI, GOA, and INSD	FMP area translated from the FMP_AREA_V view
FMP_SUBAREA	FMP Sub Area grouping of BS, AI, WG, WY, etc.	FMP sub area translated from the FMP_AREA_V view
FMP_GEAR	Modified gear code that groups BTR, PTR, and NPT into TRW gear group	CASE WHEN gear IN ('BTR','PTR','NPT') THEN 'TRW' ELSE gear END
GF_HARVEST_SECTOR	Harvest sector field that accounts for AKFIN_SECTOR_CORRECTIONS that align the processing sector with the Blend/CAS data	CASE WHEN sc.harvest_sector IS NOT NULL THEN sc.harvest_sector WHEN wpr.vessel_designation = 'P' THEN 'CP' ELSE 'CV' END
GF_PROCESSING_SECTOR	Processing sector field that accounts for AKFIN_SECTOR_CORRECTIONS that align the processing sector with the Blend/CAS data	CASE WHEN sc.processing_sector IS NOT NULL THEN sc.processing_sector WHEN wpr.vessel_designation = 'P' THEN 'CP' ELSE wpr.vessel_designation END
ITO_CODE	ITO processor code as translated from the AKFIN_PROC_CODE_XREF_V data source	Processor Code Cross References ITO code translation (ITO_CODE)
ITO_YEAR	Most recent year of ITO registration for ITO_CODE	ITO/ENCOAR operation year (OP_YEAR)

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Column	Description	Source
ITO_COMPANY	Company name	ITO/ENCOAR company name or business (OP_CO_NAME_BUSINESS)
ITO_ADFG	Processor's ADFG according to ITO/ENCOAR	ITO/ENCOAR ADFG vessel number (ADFG_VESSEL_NUM)
ITO_VNAME	Processor's vessel name according to ITO/ENCOAR	ITO/ENCOAR facility/vessel name for vessels (OP_PR_FACILITY_VESSEL_NAME)
ITO_TYPE	Processor type code	ITO/ENCOAR type code (E_PROC_TYPE)
ITO_FEDID	Encrypted Federal ID	ITO/ENCOAR encrypted federal ID (FED_ID_ENCRYPT)
ITO_PLANT	Processor plant or processing type	ITO/ENCOAR plant (PLANT)
ITO_CITY	Processor city	ITO/ENCOAR processor's address (PR_CITY)
ITO_STATE	Processor state	ITO/ENCOAR processor's address (PR_STATE)
ITO_ZIP	Processor zip	ITO/ENCOAR processor's address (PR_ZIP1)
MEAL_FLAG	Flag meal based on product code	CASE WHEN wpr.product_code = '32' THEN 'Y' ELSE 'N' END
PRICE_AREA	Area used to price WPR records, different from FMP_AREA	CASE WHEN SUBSTR (wpr.reporting_area_code, 1, 1) = '5' THEN 'BSAI' WHEN wpr.reporting_area_code IN ('300','750') THEN 'BSAI' WHEN SUBSTR(wpr.reporting_area_code, 1, 1) = '6' THEN 'GOA' END
PRICE_SPEC_GRP	Species group used for pricing	akfin.nmfs_wholesale_gfish_species
PRODUCT_CODE_DESCRIPTION	Description of the product code field	AKR Product Code Description (DESCRIPTION)
PRODUCT_POUNDS	Product weight converted to pounds	CASE WHEN NVL(app.discard_flag, 'N') = 'N' THEN wpr.product_weight_metric_tons * 2204.62262 ELSE 0 END
PRODUCT_PRICE_LB	Price per pound applied to WPR record based on product price index	CASE WHEN NVL(app.discard_flag, 'N') = 'N' THEN price.pricelb ELSE NULL END
PRODUCT_WHOLESALE_VALUE	First wholesale value based on product_price_index	CASE WHEN NVL(app.discard_flag, 'N') = 'N' THEN wpr.product_weight_metric_tons * 2204.62262 * price.pricelb ELSE 0 END
PRICE_STEP	Step pricing occurs at from PPI	CASE WHEN NVL(app.discard_flag, 'N') = 'N' THEN price.price_step ELSE NULL END
RECTYPE	Flag denoting discard or end product based on AKR product table	CASE WHEN app.discard_flag = 'Y' THEN 'D' ELSE 'E' END

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Column	Description	Source
SPECIAL_AREA_NAME	Description of the AKR special area	AKR Management Area Table (NAME)
SPECIES_GROUP_NAME	Description of the AKR species group based on AKR or council species group tables	NVL(sgc.name, sgc2.species_name)
SPECIES_NAME	Description of the AKR species code based on the ADFG or AKR species tables	NVL(sp.common_name, sp2.name)
TRIP_TARGET_NAME	Description of the trip target code	AKR Target Fishery Table (NAME)
VES_AKR_ADFG	Vessel ADF&G number from AKR vessel source	AKR Vessel (ADFG_NUMBER)
VES_AKR_CG_NUM	Vessel Coast Guard Number from the AKR vessel source	AKR Vessel (COAST_GUARD_NUMBER)
VES_AKR_GROSS_TONNAGE	Vessel gross tonnage from AKR vessel source	AKR Vessel (GROSS_TONNAGE)
VES_AKR_HOMEPORT_CITY	Vessel homeport city from AKR vessel source	AKR Vessel (HOMEPORT_CITY_NAME)
VES_AKR_HOMEPORT_STATE	Vessel homeport state from AKR vessel source	AKR Vessel (HOMEPORT_STATE_CODE)
VES_AKR_HORSEPOWER	Vessel horsepower from AKR vessel source	AKR Vessel (SHAFT_HORSEPOWER)
VES_AKR_LENGTH	Vessel length overall from AKR vessel source	AKR Vessel (LENGTH_OVERALL)
VES_AKR_NAME	Vessel name from AKR vessel source	AKR Vessel (NAME)
VES_AKR_NET_TONNAGE	Vessel net tonnage from AKR vessel source	AKR Vessel (NET_TONNAGE)
VES_CFEC_CG_NUM	Vessel Coast Guard number from CFEC vessel source	CFEC Vessel (V_CGNO)
VES_CFEC_GROSS_TONNAGE	Vessel gross tonnage from CFEC vessel source	CFEC Vessel (V_GRSTON)
VES_CFEC_HOMEPORT_CITY	Vessel homeport city from CFEC vessel source	CFEC Vessel (V_HPCITY)
VES_CFEC_HOMEPORT_STATE	Vessel homeport state from CFEC vessel source	CFEC Vessel (V_HPST)
VES_CFEC_HORSEPOWER	Vessel horsepower from CFEC vessel source	CFEC Vessel (V_HPOWER)
VES_CFEC_I_FILNUM	Vessel owner identifier from CFEC vessel source	CFEC Vessel (I_FILNUM)

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Column	Description	Source
VES_CFEC_LENGTH	Vessel length from CFEC vessel source	CFEC Vessel (V_LENGTH)
VES_CFEC_NAME	Vessel name from CFEC vessel source	CFEC Vessel (V_VNAME)
VES_CFEC_NET_TONNAGE	Vessel net tonnage from CFEC vessel source	CFEC Vessel (V_NETTON)
VES_OWNER_CITY	Vessel owner city based on CFEC owner's current address	CFEC People (A_CITY)
VES_OWNER_NAME	Vessel owner's name from CFEC vessel source	CFEC People (I_NAME)
VES_OWNER_NAMTYP	Vessel owner's name type from CFEC vessel source	CFEC People (I_NAMTYPE)
VES_OWNER_STATE	Vessel owner city based on CFEC owner's current address	CFEC People (A_STATE)
VES_OWNER_ZIP	Vessel owner zip code based on CFEC owner's current address	CFEC People (A_ZIP)
VES_OWNER_HIST_CITY	Catcher vessel owner's city (based on the owner's <i>historic</i> 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 <i>historic</i> 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 <i>historic</i> address)	CFEC.PPL_VIEW.A_ZIP or CFEC.ADR_VIEW.A_ZIP depending on which is the historic value
VES_CFEC_SEQ_NUM	Vessel sequence number for join to CFEC vessel table	CFEC Vessel (V_VESSEQ)
WED	Formatted week ending date	TO_CHAR(WEEK_END_DATE, 'MMDD')
FMP_GROUNDFISH_FLAG	The FMP Groundfish Flag notes landings of species that are federally managed in association with Groundfish. This includes species that are not truly Groundfish but are managed correspondingly; examples would be squid, skates, grenadiers, sharks or eels.	See the FMP Groudfish Flag document for a listing of species included.
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),	AKFIN_SPECIES_VIEW

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Column	Description	Source
	SBLF(Sablefish), SLMN(Salmon), SHLF(Shellfish), TCRB(Tanner Crab) – Other (OTHR	
GF_PRICING_FLAG	This flag is used to determine groundfish species for used in the Product Pricing Index Procedure	
AKFIN_YEAR	Year of record	YEAR
AKFIN_VDATE	Load date for load of the COMPREHENSIVE_BLEND_CA datamart table, different from AKFIN_LOAD_DATE, which denotes the load date of the underlying AKR source data.	SYSDATE