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# Alaska Fisheries Information Network

## Comprehensive WPR



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
1/07/2010	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
12/06/2017	Michael Fey	New Version, fields and sources	3.0

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## Introduction

The Comprehensive\_WPR compiles Weekly Production Report (WPR) data from the National Marine Fisheries Service – Alaska Region (AKR) 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 table.

## Background

The NPFMC staff initiated the development of Comprehensive Datasets in order to compile useful data in concise user friendly tables in 2006. The Comprehensive Data Sets were designed by AKFIN with the support and direction of the following groups:

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

Weekly production data compiles at sea production that was historically used for landings. The base weekly production data is still used for at sea catch accounting although it makes up a much smaller portion of total catch in the more recent years. Observer coverage has increased coinciding with an increased use in at sea catch accounting while WPR usage has decreased for catch accounting. Therefore the Comprehensive WPR is not typically used for landings. The Comprehensive WPR is still an important data set for analysts and is the only source for weekly product types and wholesale prices. This is the only source for an analyst to estimate a processors dependency by area, gear and management program. Data that is not available elsewhere.

## Output table

Table 1. COMPREHENSIVE\_WPR columns and column descriptions

Column	Description	Source
<b>WEEK_END_DATE</b>	The last day in a calendar week.	V_VESSEL_PROD_RPT_92_97 or V_VESSEL_PROD_RPT_98_NOW (BASE)
<b>VESSEL_ID</b>	The unique identifier of a vessel.	V_VESSEL_PROD_RPT_92_97 or V_VESSEL_PROD_RPT_98_NOW (BASE)
<b>VESSEL_ADFG_NUMBER</b>	ADFG number assigned to vessel	V_VESSEL_PROD_RPT_92_97 or V_VESSEL_PROD_RPT_98_NOW (BASE)
<b>VESSEL_NAME</b>		V_VESSEL_PROD_RPT_92_97 or V_VESSEL_PROD_RPT_98_NOW (BASE)

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<b>Column</b>	<b>Description</b>	<b>Source</b>
<b>VESSEL_DESIGNATION</b>	Identifies Vessel as Catcher/Processor (P) or Mothership (M)	V_VESSEL_PROD_RPT_92_97 or V_VESSEL_PROD_RPT_98_NOW (BASE)
<b>INSHORE_OFFSHORE_CODE</b>	Identifies where processing occurred (I,O)	V_VESSEL_PROD_RPT_92_97 or V_VESSEL_PROD_RPT_98_NOW (BASE)
<b>AFA_COOP_ID</b>	Unique identifier of an AFA coop.	V_VESSEL_PROD_RPT_92_97 or V_VESSEL_PROD_RPT_98_NOW (BASE)
<b>MANAGEMENT_PROGRAM_CODE</b>	Identifies Program (RPP, CDQ, A80, IFQ, AFA etc)	V_VESSEL_PROD_RPT_92_97 or V_VESSEL_PROD_RPT_98_NOW (BASE)
<b>AGENCY_GEAR_CODE</b>	Gear code (TRW, HAL, POT, JIG, PTR) without translation	V_VESSEL_PROD_RPT_92_97 or V_VESSEL_PROD_RPT_98_NOW (BASE)
<b>REPORTING_AREA_CODE</b>	Code used to identify a federal reporting area.	V_VESSEL_PROD_RPT_92_97 or V_VESSEL_PROD_RPT_98_NOW (BASE)
<b>SPECIAL_AREA_CODE</b>	Management area code of the special area.	V_VESSEL_PROD_RPT_92_97 or V_VESSEL_PROD_RPT_98_NOW (BASE)
<b>FMP_AREA_CODE</b>	Code representing the Federal Management Plan (FMP) area.	V_VESSEL_PROD_RPT_92_97 or V_VESSEL_PROD_RPT_98_NOW (BASE)
<b>TRIP_TARGET_CODE</b>	Code representing target fishery calculated for a week (CP/M).	V_VESSEL_PROD_RPT_92_97 or V_VESSEL_PROD_RPT_98_NOW (BASE)
<b>AGENCY_SPECIES_CODE</b>	3 digit Species Code	V_VESSEL_PROD_RPT_92_97 or V_VESSEL_PROD_RPT_98_NOW (BASE)
<b>SPECIES_GROUP_CODE</b>	Code that identifies the species group to which the Alaska Region's agency species code translates.	V_VESSEL_PROD_RPT_92_97 or V_VESSEL_PROD_RPT_98_NOW (BASE)
<b>PRODUCT_CODE</b>	Two digit number used to identify type of product	V_VESSEL_PROD_RPT_92_97 or V_VESSEL_PROD_RPT_98_NOW (BASE)
<b>PRODUCT_TYPE_CODE</b>		V_VESSEL_PROD_RPT_92_97 or

Column	Description	Source
		V_VESSEL_PROD_RPT_98_NOW (BASE)
<b>PRODUCT_WEIGHT_METRIC_TONS</b>		V_VESSEL_PROD_RPT_92_97 or V_VESSEL_PROD_RPT_98_NOW (BASE)
<b>ROUND_WEIGHT_METRIC_TONS</b>		V_VESSEL_PROD_RPT_92_97 or V_VESSEL_PROD_RPT_98_NOW (BASE)
<b>SOURCE_TABLE</b>	Code identifying the source of the production report.	V_VESSEL_PROD_RPT_92_97 or V_VESSEL_PROD_RPT_98_NOW (BASE)
<b>YEAR</b>		V_VESSEL_PROD_RPT_92_97 or V_VESSEL_PROD_RPT_98_NOW (BASE)
<b>AKFIN_LOAD_DATE</b>	Table load date	
<b>A80_PROCESSOR_FLAG</b>	Flag indicating processing vessel is an Amendment 80 vessel	CASE WHEN a80p.vessel_id IS NOT NULL THEN 'Y'  ELSE 'N'  END
<b>AFA_MOTHERSHIP_FLAG</b>	Flag indicating processing vessel is an AFA mothership	NVL (afa.afa_mothership_flag, 'N')
<b>AFA_PROCESSOR_FLAG</b>	Flag indicating the processing vessel has an AFA endorsement	CASE WHEN afa.permit_number IS NOT NULL THEN 'Y'  ELSE 'N'  END
<b>AFA_PROCESSOR_PERMIT_TYPE</b>	AFA endorsement type for the processing vessel	afa.permit_type
<b>AKFIN_CDQ_GROUP_ID</b>	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
<b>AKFIN_LOAD_DATE</b>	Date WPR data was loaded from the AKR database to the AKFIN database	
<b>AKFIN_VDATE</b>	Date the COMPREHENSIVE_WPR datamart table was	

Column	Description	Source
	refreshed.	
<b>AKFIN_YEAR</b>	Year noted	From wpr.base_v
<b>CDQ_GROUP_ID</b>	From wpr.base_v	
<b>CDQ_FLAG</b>	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
<b>CDQ_GROUP_NAME</b>	CDQ Group name from the AKR CDQ Group Table	AKR CDQ Group name (NAME) based on the AKFIN_CDQ_GROUP_ID field
<b>FMP_AREA</b>	FMP Area grouping of BSAI, GOA, and INSD	FMP area translated from the FMP_AREA_V view
<b>FMP_SUBAREA</b>	FMP Sub Area grouping of BS, AI, WG, WY, etc.	FMP sub area translated from the FMP_AREA_V view
<b>FMP_GEAR</b>	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
<b>GF_HARVEST_SECTOR</b>	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
<b>GF_PROCESSING_SECTOR</b>	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
<b>ITO_CODE</b>	ITO processor code as translated from the AKFIN_PROC_CODE_XREF_V data source	Processor Code Cross References ITO code translation (ITO_CODE)
<b>ITO_YEAR</b>	Most recent year of ITO registration for ITO_CODE	ITO/ENCOAR operation year (OP_YEAR)

Column	Description	Source
<b>ITO_COMPANY</b>	Company name	ITO/ENCOAR company name or business (OP_CO_NAME_BUSINESS)
<b>ITO_ADFG</b>	Processor's ADFG according to ITO/ENCOAR	ITO/ENCOAR ADFG vessel number (ADFG_VESSEL_NUM)
<b>ITO_VNAME</b>	Processor's vessel name according to ITO/ENCOAR	ITO/ENCOAR facility/vessel name for vessels (OP_PR_FACILITY_VESSEL_NAME)
<b>ITO_TYPE</b>	Processor type code	ITO/ENCOAR type code (E_PROC_TYPE)
<b>ITO_FEDID</b>	Encrypted Federal ID	ITO/ENCOAR encrypted federal ID (FED_ID_ENCRYPT)
<b>ITO_PLANT</b>	Processor plant or processing type	ITO/ENCOAR plant (PLANT)
<b>ITO_CITY</b>	Processor city	ITO/ENCOAR processor's address (PR_CITY)
<b>ITO_STATE</b>	Processor state	ITO/ENCOAR processor's address (PR_STATE)
<b>ITO_ZIP</b>	Processor zip	ITO/ENCOAR processor's address (PR_ZIP1)
<b>MEAL_FLAG</b>	Flag meal based on product code	<pre> CASE WHEN wpr.product_code = '32' THEN 'Y'  ELSE 'N'  END </pre>
<b>PRICE_AREA</b>	Area used to price WPR records, different from FMP_AREA	<pre> 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 </pre>
<b>PRICE_SPEC_GRP</b>	Species group used for pricing	akfin.nmfs_wholesale_gfish_species
<b>PRODUCT_CODE_DESCRIPTION</b>	Description of the	AKR Product Code Description

Column	Description	Source
	product code field	(DESCRIPTION)
<b>PRODUCT_POUNDS</b>	Product weight converted to pounds	<pre> CASE WHEN NVL(app.discard_flag, 'N') = 'N'        THEN wpr.product_weight_metric_tons * 2204.62262        ELSE 0        END </pre>
<b>PRODUCT_PRICE_LB</b>	Price per pound applied to WPR record based on AFSC product prices	<pre> CASE WHEN NVL(app.discard_flag, 'N') = 'N' THEN price.pricelb        ELSE NULL        END </pre>
<b>PRODUCT_WHOLESALE_VALUE</b>	First wholesale value based on AFSC product prices	<pre> CASE WHEN NVL(app.discard_flag, 'N') = 'N'        THEN wpr.product_weight_metric_tons * 2204.62262 *             price.pricelb        ELSE 0        END </pre>
<b>RECTYPE</b>	Flag denoting discard or end product based on AKR product table	<pre> CASE WHEN app.discard_flag = 'Y' THEN 'D'        ELSE 'E'        END </pre>
<b>ROUND_PRICE_LB</b>	Rounded price per pound based on AFSC rounded prices, similar to pricing for Blend/CAS	<pre> CASE WHEN wpr.vessel_designation = 'P'        AND NVL(app.discard_flag, 'N') = 'N'        THEN price2.price_ton / 2204.62262        ELSE NULL        END </pre>
<b>ROUND_WHOLESALE_VALUE</b>	Rounded wholesale value based on AFSC rounded prices, similar to pricing for Blend/CAS	<pre> CASE WHEN wpr.vessel_designation = 'P'        AND NVL(app.discard_flag, 'N') = 'N'        THEN wpr.round_weight_metric_tons * price2.price_ton        ELSE 0 </pre>

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

<b>Column</b>	<b>Description</b>	<b>Source</b>
	vessel source	
<b>VES_CFEC_GROSS_TONNAGE</b>	Vessel gross tonnage from CFEC vessel source	CFEC Vessel (V_GRSTON)
<b>VES_CFEC_HOMEPORT_CITY</b>	Vessel homeport city from CFEC vessel source	CFEC Vessel (V_HPCITY)
<b>VES_CFEC_HOMEPORT_STATE</b>	Vessel homeport state from CFEC vessel source	CFEC Vessel (V_HPST)
<b>VES_CFEC_HORSEPOWER</b>	Vessel horsepower from CFEC vessel source	CFEC Vessel (V_HPOWER)
<b>VES_CFEC_I_FILNUM</b>	Vessel owner identifier from CFEC vessel source	CFEC Vessel (I_FILNUM)
<b>VES_CFEC_LENGTH</b>	Vessel length from CFEC vessel source	CFEC Vessel (V_LENGTH)
<b>VES_CFEC_NAME</b>	Vessel name from CFEC vessel source	CFEC Vessel (V_VNAME)
<b>VES_CFEC_NET_TONNAGE</b>	Vessel net tonnage from CFEC vessel source	CFEC Vessel (V_NETTON)
<b>VES_OWNER_CITY</b>	Vessel owner city based on CFEC owner's current address	CFEC People (A_CITY)
<b>VES_OWNER_NAME</b>	Vessel owner's name from CFEC vessel source	CFEC People (I_NAME)
<b>VES_OWNER_NAMTYP</b>	Vessel owner's name type from CFEC vessel source	CFEC People (I_NAMTYPE)
<b>VES_OWNER_STATE</b>	Vessel owner city based on CFEC owner's current address	CFEC People (A_STATE)
<b>VES_OWNER_ZIP</b>	Vessel owner zip code based on CFEC owner's current address	CFEC People (A_ZIP)

Column	Description	Source
<b>VES_OWNER_HIST_CITY</b>	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
<b>VES_OWNER_HIST_STATE</b>	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
<b>VES_OWNER_HIST_ZIP</b>	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
<b>VES_CFEC_SEQ_NUM</b>	Vessel sequence number for join to CFEC vessel table	CFEC Vessel (V_VESSEQ)
<b>WED</b>	Formatted week ending date	TO_CHAR(WEEK_END_DATE, 'MMDD')
<b>FMP_GROUNDFISH_FLAG</b>	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.
<b>AKFIN_SPECIES_CODE</b>	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
<b>GF_PRICING_FLAG</b>	This flag is used to determine groundfish	

Column	Description	Source
	species for used in the Product Pricing Index Procedure	
AKFIN_YEAR	Year of record	YEAR
AKFIN_VDATE	Load date for load of the COMPREHENSIVE_BLENDCA datamart table, different from AKFIN_LOAD_DATE, which denotes the load date of the underlying AKR source data.	SYSDATE

## Data Sources

### 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 AFSC Sources

- **Wholesale Product Prices** – The AFSC wholesale product prices by processing sector, FMP area, species, and product code from AFSC were loaded to the AKFIN.WHOLESALE\_GF\_PRICE\_PRODUCT table and used to apply a first wholesale product price based on the converted pounds from the WPR record's PRODUCT\_WEIGHT\_METRIC\_TONS.
- **Wholesale Rounded Prices** – The AFSC wholesale round prices by processing sector, FMP area, and species group from AFSC were loaded to the

AKFIN.NMFS\_WHOLESALE\_GFISH\_PRICES. These prices were used to apply a first wholesale rounded price based on the converted pounds from the WPR record's ROUND\_WEIGHT\_METRIC\_TONS.

### 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\_OFFICIAL\_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

- **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.