Alaska Fisheries Information Network

Comprehensive

Prohibited Species Catch

Version History

Date	Author	Change Comments	Version
10/28/2008	Camille Kohler	Original version	1.0
12/29/2008	A.K. Zebdi	Updated version with reformatting and use of template.	2.0
02/08/2010	Michael Fey	Updated Variables and descriptions	2.1
11/10/2010	Michael Fey	Updated Sources	2.2
04/16/2012	Michael Fey	Updated 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 Prohibited Species Catch

AKFIN developed a comprehensive view of the NMFS Blend and Catch Accounting data related to prohibited species catch and halibut mortality. This view incorporates yearly Blend sources, a Catch Accounting PSC view and several auxiliary fields that provide more information on species, processor, vessel, etc. The results of this combination of the Blend/Catch Accounting data sources, along with the auxiliary fields appended by AKFIN, were compiled into the view and then loaded to the final datamart table: COMPREHENSIVE_PSC.

Base Data Sources

The following sources were consolidated for the COMPREHENSIVE_PSC_V:

1. AKR.V_BLEND_PSC
2. AKR.V_BLEND_BOATRATE_98
3. AKR.V_GG_PSCNQ_HALIBUT_MORTALITY
4. AKR.V_GG_PSCNQ_ESTIMATE
5. AKR.V_GG_PSCNQ_ESTIMATE_CDQ
6. AKR.V_GG_PSCNQ_HALIBUT_MORT_CDQ
7. AKR.V_GG_TXN_PRIMARY_PSC

Base Data Fields

The following fields were included from the agency-sourced Blend/Catch Accounting tables for the halibut prohibited species datamart, COMPREHENSIVE_PSC:

Blend/Catch Accounting Sourced Fields		
Column Name	**Blend Source**	**Catch Accounting Source**
CATCH_REPORT_TYPE_CODE	`TARGET_PSC`	`CATCH_REPORT_TYPE_CODE`
WEEK_END_DATE	`WED`	`WEEK_END_DATE`
REPORTING_AREA_CODE	`ZONE`	`REPORTING_AREA_CODE`
AGENCY_GEAR_CODE	`GEAR`	`AGENCY_GEAR_CODE`
TRIP_TARGET_CODE	`TARGET`	`TRIP_TARGET_CODE`
PSCNQ_RATE_PRESIDENCE	`QUART`	`TO_CHAR(PSCNQ_RATE_PRESIDENCE)`
CA_REFERENCE_KEY	`KEY`	`TO_CHAR(CA_REFERENCE_KEY)`
CDQ_GROUP_ID	`CDQ`	`CDQ_GROUP_ID`

PSCNQ_PROCESSING_SECTOR	`CASE WHEN b.desig = 'P'`
	`        THEN 'CP'`
	`        ELSE b.desig`
	`        END`
		`PSCNQ_PROCESSING_SECTOR`

HARVEST_SECTOR	`CASE b.desig`
	`        WHEN 'M' THEN 'CV'`
	`        WHEN 'S' THEN 'CV'`
	`        WHEN 'P' THEN 'CP'`
	`        END`
		`HARVEST_SECTOR`

VESSEL_ID	`CASE WHEN b.desig IN ('M',`
	`'P')`
	`        AND`
	`REGEXP_LIKE(b.pn,`
	`'[[:digit:]]{4}')`
	`        THEN TO_NUMBER(b.pn)`
	`        ELSE NULL`
	`        END`
		`VESSEL_ID`

PROCESSOR_PERMIT_ID	`WHEN b.year >= '1998'`
	`THEN CAST`
	`(b.processor_permit_id AS`
	`VARCHAR (6)--Prior to 1997`
	`parse processor_code for`
	`c/p and mship`
	`WHEN b.year BETWEEN '1991'`
	`AND '1997' AND SUBSTR`
	`(b.processor_code, 1, 1)`
	`IN ('P', 'M') THEN TO_CHAR`
	`( LTRIM (SUBSTR`
	`(b.processor_code, 2, 5),`
	`'0') --91-94 maintain F`
	`code for shorebased`
	`plantsWHEN b.year BETWEEN`
	`'1991' AND '1994' AND`
	`SUBSTR (b.processor_code,`
	`1, 1) = 'F' THEN TO_CHAR`
	`(b.processor_code) --95-97`
	`translate to PN using PROC`
	`data WHEN b.year BETWEEN`
	`'1995' AND '1997' AND`
	`SUBSTR (b.processor_code,`
	`1, 1) = 'F' THEN TO_CHAR`
	`(proc.pn)`
	`ELSE NULL END`
		`CAST (gg.processor_permit_id`
		`AS VARCHAR2 (6))`

Blend/Catch Accounting Sourced Fields		
Column Name	**Blend Source**	**Catch Accounting Source**
CATCHER_VESSEL_ID	CASE --After 1998 use processor permit ID WHEN b.year >= '1998' AND b.processing_sector = 'CP' THEN b.processor_permit_id-- Prior to 1997 parse processor_code for c/p and mship WHEN b.year BETWEEN '1991' AND '1997' AND SUBSTR (b.processor_code, 1, 1) = 'P' THEN TO_NUMBER (LTRIM (SUBSTR (b.processor_code, 2, 5), '0') ELSE NULL END	NVL (CASE WHEN psc.pscnq_processing_sector != 'M' THEN psc.vessel_id ELSE NULL END, gg.catcher_vessel_id)
YEAR	Year of Blend File	TO_CHAR(YEAR)
GROUNDFISH_BASIS_WEIGHT	TONS	GROUNDFISH_BASIS_WEIGHT
SPECIES_GROUP_CODE	SPEC	SPECIES_GROUP_CODE
PSCNQ_RATE	RATE	PSCNQ_RATE
PSCNQ_ESTIMATE	HALIBUT	PSCNQ_ESTIMATE
HALIBUT_MORTALITY_RATE	(b.hal_mort*1000) / b.halibut	HALIBUT_MORTALITY_RATE
HALIBUT_MORTALITY_TONS	HAL_MORT	PSCNQ_MORTALITY/1000
SPECIAL_AREA_ID	NULL	SPECIAL_AREA_ID
SPECIAL_AREA_CODE	NULL	SPECIAL_AREA_CODE
PSC_FISHERY_ID	NULL	PSC_FISHERY_ID
PSC_FISHERY_CODE	NULL	PSC_FISHERY_CODE

Auxiliary Data Sources

Several additional data sources are incorporated into the COMPREHENSIVE_PSC_HB_V view to enhance the end product.

> **AKR PSC Fishery** – The AKR table GG_PSC_FISHERY is used to append the names associated with the PSC fishery codes.

> **AKR Management Areas** – The AKR table MANAGEMENT_AREA is used to append the names associated with the special area codes.

> **AKR Management Program Groups** – The AKR table MANAGEMENT_PROGRAM_GROUP is used to append the names associated with the management program group codes.

> **AKR Vessel Data** – The AKR vessel table, AKR.VESSEL, is used to append the processor's vessel ADFG number based on the Blend/CA record's VESSEL_ID. For the Blend data, this represents the federal permit number for catcher/processor and mothership vessels only, while on the CA record this represents the VESSEL_ID field.

> **CFEC Vessel Licensing Data** – The CFEC vessel licensing table, CFEC.VES_VIEW, along with the vessel action (CFEC.VAC_VIEW) and people tables (CFEC.PPL_VIEW),

were used to source additional information about the processing vessel. This information was joined in based on the ADFG as translated from the AKR vessel data.

NPFMC Trip Target Descriptions – A list of target code translations was pulled from the Catch accounting_Blend.sas code and loaded to the COUNCIL.TRIP_TARGET_CODE table to append a description of the trip targets. This table could be replaced with the AKR.GG_TARGET_FISHERY table.

NPFMC Species Group Descriptions – A list of species group descriptions was pulled from the Catch accounting_Blend.sas code and loaded to the COUNCIL.SPECIES_GROUP_CODES table to append a description of the species groups. This table should be replaced with the AKR.AGENCY_SPECIE table to provide a description.

NPFMC Stat Area View – The stat area view was modified to incorporate the FMP_AREA and FMP_SUBAREA fields and updated based on the same logic used to calculate the two fields in the past. This source was queried on to apply the field values to the Blend/CA data based on the REPORTING_AREA_CODE.

Auxiliary Data Fields

The following table contains the fields appended to the base source fields.

Auxiliary Fields from the **COMPREHENSIVE_BLEND_CA_V** View		
Column	**Description**	**Source**
WED	Formatted week ending date	`TO_CHAR(WEEK_END_DATE, 'MMDD')`

FMP_GEAR	Modified gear code that groups BTR, PTR, and NPT into TRW gear group	`CASE WHEN s.gear IN ('PTR','NPT','BTR','TRW') THEN 'TRW'`
		`    ELSE s.gear`
		`END`

FMP_AREA	FMP Area grouping of BSAI, GOA, and INSD	Council Stat Areas FMP_AREA
FMP_SUBAREA	FMP Sub Area grouping of BS, AI, WG, WY, etc.	Council Stat Areas FMP_SUBAREA
TRIP_TARGET _NAME	Target species name	Council trip target species name (SPECIES_NAME)
PSC_FISHERY_NAME	PSC fishery name	NAME field of the AKR.GG_PFC_FISHERY table
SPECIAL_AREA_NAME	Special Area name	NAME field of the AKR.MANAGEMENT_AREA table
CDQ_FLAG	Y or N indicating whether the vessel/account is participating in the CDQ Program.	CASE WHEN all_years.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
SPECIES_GROUP_NAME	Description of the SPECIES_GROUP_CODE field based on council SPECIES_GROUP_CODES table	COUNCIL.APECIES_GROUP_CODE
GF_HARVEST_SECTOR	This field only applies to marks if the catcher vessel was acting as a federal catcher processor or a catcher vessel and includes AKFIN corrections	AKFIN.AKFIN_SECTOR_CORRECTIONS
GF_PROCESSING_SECTOR	Type of processing operation in the Gulf of Alaska: I = Inshore, O = Offshore and includes AKFIN corrections.	AKFIN.AKFIN_SECTOR_CORRECTIONS
VES_AKR_ADFG	Processor's or harvesting vessel ADFG number as translated from the AKR VESSEL data source based on the federal permit number.	AKR Vessel table's vessel ADFG (ADFG_NUMBER). For Blend data, this represents only the vessel information for Catcher/Processor vessels. For the Catch Accounting data, this is based on the harvesting vessel ID found in the VESSEL_ID field.
VES_AKR_NAME	Vessel name from CFEC registration	CFEC Vessel name (V_VNAME)

Auxiliary Fields from the COMPREHENSIVE_BLEND_CA_V View		
Column	Description	Source
VES_AKR_LENGTH	Vessel length	AKR Vessel length (LENGTH_OVERALL)
VES_AKR_CG_NUM	Vessel coast guard number	AKR Vessel Coast_Guard_Number
VES_AKR_HOMEPORT_CITY	Vessel homeport city	AKR Vessel homeport city (homeport_city_name)
VES_AKR_HOMEPORT_STATE	Vessel homeport state	AKR Vessel homeport state (homeport_state_code)
VES_AKR_NET_TONNAGE	Vessel usable volume, Gross tonnage minus weight of propulsion machinery	AKR Vessel net_tonnage
VES_AKR_GROSS_TONNAGE	Vessel Total Volume	AKR Vessel gross_tonnage
VES_AKR_HORSEPOWER	Vessel Horsepower	AKR Vessel shaft_horsepower
VES_CFEC_NAME	Catcher vessel name from the yearly CFEC registration	CFEC.VES_VIEW.V_VNAME
VES_CFEC_LENGTH	Catcher vessel length as reported in the CFEC vessel registration	CFEC.VES_VIEW.V_LENGTH
VES_CFEC_NET_TONNAGE	Amount the catcher vessel can carry in tons	CFEC.VES_VIEW.V_NETTON
VES_CFEC_GROSS_TONNAGE	Amount of water the catcher vessel can displace in tons	CFEC.VES_VIEW.V_GRSTON
VES_CFEC_HORSEPOWER	Horsepower of the catcher vessel's engine(s)	CFEC.VES_VIEW.V_HPOWER
VES_CFEC_CG_NUM	Catcher vessel's coast guard number as recorded by CFEC	CFEC.VES_VIEW.V_CGNO
VES_CFEC_HOMEPORT_CITY	Catcher vessel's homeport city as recorded by CFEC on the yearly registration	CFEC.VES_VIEW.V_HPCITY
VES_CFEC_HOMEPORT_STATE	Catcher vessel's homeport state as recorded by CFEC on the yearly registration	CFEC.VES_VIEW.V_HPST
VES_CFEC_I_FILNUM	Catcher vessel owner's unique identifier in the CFEC database	CFEC.VES_VIEW.I_FILNUM
VES_CFEC_SEQ_NUM	Sequence number of the record in CFEC.VES_VIEW that the VES_C data is coming from	CFEC.VES_VIEW.V_VESSEQ
VES_OWNER_NAMTYP	Vessel owner's name type	CFEC People name type (I_NAMTYP)
VES_OWNER_NAME	Vessel owner's name	CFEC People name (I_NAME)
AFA_VESSEL_FLAG	Flags records where the catcher vessel has an AFA permit	AKR.V_AFA_PERMIT
AFA_VESSEL_PERMIT_TYPE	The catcher vessel's AFA permit type:	AKR.V_AFA_PERMIT.PERMIT_TYPE

Auxiliary Fields from the COMPREHENSIVE_BLEND_CA_V View		
Column	Description	Source
	CV,CP	
AFA_PROCESSOR_FLAG	Flags records where the processor has an AFA permit	AKR.V_AFA_PERMIT
AFA_PROCESSOR_PERMIT_ TYPE	The processor's AFA permit type: CP,IS,MS	AKR.V_AFA_PERMIT.PERMIT_TYPE
AFA_MOTHERSHIP_FLAG	Flags records processed by one of the big three AFA motherships	AKR.V_AFA_PERMIT.AFA_MOTHERSHIP_FLAG
A80_VESSEL_FLAG	Flags records where the catcher/vessel is part of the NMFS Amendment 80 regulations	AKR.A80_OFFICAL_RECORD
A80_PROCESSOR_FLAG	Flags records where the processor is part of the NMFS Amendment 80 regulations	AKR.A80_OFFICAL_RECORD
ITO_CODE	State Processor Code	AKFIN.AKFIN_STATE_PROC_DATA_V.CODE
ITO_YEAR	Most recent year of ITO registration for ITO_CODE	AKFIN.AKFIN_STATE_PROC_DATA_V. ITO_YEAR
ITO_COMPANY	Company name	AKFIN.AKFIN_STATE_PROC_DATA_V.NAME
ITO_ADFG	Processor's ADFG according to ITO/ENCOAR, corrected to identify correct historic ADFG number for federal catcher/processors.	AKFIN.AKFIN_STATE_PROC_DATA_V. CORRECTED_ADFG
ITO_VNAME	Processor's vessel name according to ITO/ENCOAR	AKFIN.AKFIN_STATE_PROC_DATA_V.VESSEL
ITO_TYPE	Processor type code	AKFIN.AKFIN_STATE_PROC_DATA_V.TYPE
ITO_PLANT	Processor plant code similar to ADF&G port code	AKFIN.AKFIN_STATE_PROC_DATA_V.PLANT
ITO_CITY	Processor mailing address city	AKFIN.AKFIN_STATE_PROC_DATA_V.CITY
ITO_STATE	Processor mailing address state	AKFIN.AKFIN_STATE_PROC_DATA_V.STATE
ITO_ZIP	Processor mailing address zip	AKFIN.AKFIN_STATE_PROC_DATA_V.ZIP
STATE_PCOD_FISHERY	Fisheries listed as State PCOD	CA_STATE_FISHERIES_V
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	SYSDATE