

**Second Amendment to
Data Sharing Agreement**

Between
CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE
and
NOAA FISHERIES

Ratified on February 7, 2023

The Data Sharing Agreement (DSA) dated February 7, 2023 between California Department of Fish and Wildlife (CDFW) and the Northwest and Southwest Fisheries Science Centers (NOAA Fisheries), establishes access to CDFW data where NOAA Fisheries agrees to the content, use, and protection of data needed by NOAA Fisheries for the purpose of supporting fisheries stock assessments.

Since ratification of the original agreement, additional years of information have been identified as required for the purpose of conducting the original project.

This amendment establishes the following changes to the original Data Sharing Agreement dated February 7, 2023 and its First Amendment dated April 26, 2023:

1. Amends section 1.0 to state that the agreement shall be in effect until February 5, 2027.
Amended language below:

The period of this Agreement shall be in effect from the date of last signature ~~for a period of two years~~ until February 5, 2027. This Agreement may be extended by consent and signature of both parties and may be terminated in writing by either party.

This amendment is subject to all other terms and conditions of the original Data Sharing Agreement, which continue in full force and effect.

By the signatures of their duly authorized representative below, the California Department of Fish and Wildlife, and the Northwest and Southwest Fisheries Science Centers agree to all of the provisions of this Data Sharing Agreement, as modified by this first amendment.

CALIFORNIA DEPARTMENT
OF FISH AND WILDLIFE

NOAA FISHERIES

Signed by:
BY: 
3F39957B95356B6C
Dr. Craig Shuman

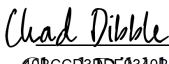
Signed by:
BY: 
B5C1B0B8C2854B0
Craig Russell

TITLE: Regional Manager, Marine Region

TITLE: Director, Fisheries Resource Analysis
and Monitoring Division
Northwest Fisheries Science Center

DATE: 2/5/2025

DATE: 2/3/2025

DocuSigned by:
BY: 
40BCC530DF54319B
Chad Dibble

DocuSigned by:
BY: **Steve Lindley**
5B89402377B5C4D7
Dr. Steve Lindley

TITLE: Deputy Director, Wildlife and
Fisheries Division

TITLE: Director, Fisheries Ecology Division
Southwest Fisheries Science Center

DATE: 2/4/2025

DATE: 2/3/2025

DocuSigned by:
BY: 
0BC1DF8A5A794DA1
Stephen Adams

TITLE: Chief Information Officer,
Data Technology Division

DATE: 2/4/2025

Attachment A:

FIRST AMENDMENT TO DATA SHARING AGREEMENT SIGNED April 26, 2024

First Amendment to Data Sharing Agreement

Between
CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE
and
**NORTHWEST AND SOUTHWEST FISHERIES SCIENCE CENTERS (NOAA
FISHERIES)**
Ratified on February 6, 2023

The Data Sharing Agreement (DSA) dated February 6, 2023, between California Department of Fish and Wildlife (CDFW) and NOAA FISHERIES establishes access to CDFW data where NOAA FISHERIES agrees to the content use and protection of data needed by NOAA FISHERIES for the purpose of conducting analyses in support of fisheries stock assessments.

Since ratification of the original agreement additional data for Commercial Passenger Fishing Vessel (CPFV) observer or dockside records have been identified as required in the original project.

This amendment establishes the following changes to the original Data Sharing Agreement dated February 6, 2023:

1. Amends Attachment A to reflect additional data for CPFV observer or dockside records. Amended language below:

| | |
|------------------------------|--|
| General Description | <p>Dockside Commercial Fishing Passenger Vessel (CPFV) and private recreational fishing vessel sampling collected by CDFW in central California from 1957 to 1986. Southern California onboard sampling data collected by Ray Alee et al from 1985 - 1989. Central and Dockside Commercial Fishing Passenger Vessel (CPFV) and private recreational fishing vessel sampling collected by CDFW in central California from 1957 to 1986. Southern California onboard sampling data collected by Ray Alee et al from 1985 - 1989. Central and northern California CPFV sampling collected by Deb Wilson-Vandenberg et al from 1987 - 1998.</p> <p>California Recreational Fisheries Survey (CRFS) observer data for Commercial passenger fishing vessel (CPFV) effort and location records (PCO).</p> <p>State logbook records from the Commercial Passenger Fishing Vessel (CPFV) log and from the Commercial Trawl log.</p> <p>Commercial landing receipts.</p> |
| Observation Requested | i. Multiple CDFW project observations from 1957 – 1998 |

| | |
|----------------------------------|--|
| | ii. CRFS CPFV observer and dockside data for years 2004 – present iii. CPFV log records - CDFW Marine Logs System (MLS) 1980 – present iv. Commercial landings Receipts - PacFIN or CalCOM - 1969 – present v. Trawl log record – PacFIN –1980 – present |
| Delivery Timeline Request | As soon as possible |
| Process | Various |
| File Name | To be determined |
| Format | .mdb |
| Data Fields Provided | i. CDFW project observation data: CPFV.mdb Table - Boccaccio: Year BlockNo CommonName Total Catch EffortAH CPUH Table - Tbl_70strip: TripID Date Complex PortCode BoatID BlockNo PctSamp RunTimeH Depthl Tempf Anglers EffortH Table - Tbl_80strip: TripID Date Complex Landing BoatID |

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| | <div>Depart</div> <div>BlockNo</div> <div>DepthL</div> <div>DepthH</div> <div>Anglers</div> <div>CrewNo</div> <div>AskCrew</div> <div>EffortM</div> <div>86-88 Data.mdb</div> <div>Table - Length_Tbl:</div> <div>Autonumber</div> <div>New_Boatnum_Index</div> <div>L_Complex</div> <div>L_Landing</div> <div>L_Date_YY</div> <div>L_Date_MM</div> <div>L_Date_DD</div> <div>L_Specode</div> <div>L_Keptrel</div> <div>L_Sampler</div> <div>Parent_Tbl</div> <div>L-Lendth1</div> <div>L_Tally_1</div> <div>Table - Sitemerge_Boatnum_Reindex:</div> <div>Sitemerge_ID</div> <div>S_Complex</div> <div>S_Landing</div> <div>S_Date_yy</div> <div>S_Date_mm</div> <div>S_Date_dd</div> <div>S_Timedep</div> <div>New_Boatnum</div> <div>S_Effcode</div> <div>S_Specode</div> <div>S_Numkept</div> <div>S_Numrels</div> <div>S_Typtrip</div> <div>S_Depth_L</div> <div>S_Depth_H</div> <div>S_Sampler</div> <div>S_Samp_yn</div> <div>S_Rsncode</div> <div>S_US_Mexi</div> <div>S_Numcust</div> <div>S_Numcrew</div> <div>S_Askcrew</div> |
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| | <div>S_Eff_min</div> <div>S_Cnt_est</div> <div>S_Recdkey</div> <div>CPFV-OnboardData.mdb</div> <div>Table - AllTrip:</div> <div>AllTRPID</div> <div>Tripnosamp</div> <div>Date</div> <div>Month</div> <div>Day</div> <div>Year</div> <div>Boatnum</div> <div>Landing</div> <div>Triptyp</div> <div>Paidang</div> <div>Freeang</div> <div>Obsvang</div> <div>Table - Alltripbl:</div> <div>AlltripblID</div> <div>Tripnosamp</div> <div>Loc</div> <div>Fshgtime</div> <div>Mindepth</div> <div>Maxdepth</div> <div>Fshgtype</div> <div>Tackle</div> <div>Sp</div> <div>Fate</div> <div>Count</div> <div>Table - Length:</div> <div>LengthID</div> <div>Tripnosamp</div> <div>Sloc</div> <div>Nloc</div> <div>Sp</div> <div>Fate</div> <div>TI</div> <div>Fdweight</div> <div>CPFV_SoCAI_85-87.mdb:</div> <div>Tables - 89CAT (2):</div> <div>C_complex</div> <div>C_landing</div> <div>C_boatnum</div> <div>C_date_yy</div> |
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| | <p>C_date_mm C_date_dd C_timedep C_effcode C_specode C_sampler C_typtrip C_samp_yn C_rsnocode C_us_mexi C_numcust C_numcrew C_askcrew C_eff_min C_cnt_est C_numkept C_numrels C_recdkey</p> <p>Tables – KVALUE (3): S_recdkey S_complex S_landing S_boatnum S_date_yy S_date_mm S_date_dd S_timedep S_effcode S_specode S_depth_L S_depth_H S_sampler S_typtrip S_samp_yn S_rsnocode S_us_mexi S_numcust S_numcrew S_eff_min S_cnt_est S_numkept S_numrels</p> <p>Tables – Sitemerge (4): S_recdkey S_complex S_landing</p> |
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| | <div>S_boatnum S_date_yy S_date_mm S_date_dd S_timedep S_effcode S_specode S_depth_L S_depth_H S_sampler S_typtrip S_samp_yn S_rsncode S_us_mex S_numcust S_numcrew S_eff_min S_cnt_est S_numkept S_numrels</div> <div>LengthData.mdb Table - Length_Tbl: Autonumber L_complex L_landing L_boatnum L_date_yy L_date_mm L_date_dd L_specode L_keptrel L_sampler Parent_Tbl L_length1 L_tally_1</div> <div>Tables - 84-89_Append (6): Auto_ID Parent_Tbl L_recdkey L_complex L_landing L_boatnum L_date_yy L_date_mm L_date_dd L_timedep</div> |
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| | <div>L_specode</div> <div>L_sampler</div> <div>L_keptrel</div> <div>L_length1</div> <div>L_tally1</div> <div>L_length2</div> <div>L_tally2</div> <div>L_length3</div> <div>L_tally3</div> <div>L_length4</div> <div>L_tally4</div> <div>L_length5</div> <div>L_tally5</div> <div>L_length6</div> <div>L_tally6</div> <div>CCRS_LF_77-86.mdb</div> <div>Table - CCRS7786:</div> <div>ID</div> <div>Month</div> <div>Day</div> <div>Year</div> <div>Date</div> <div>Sp_code</div> <div>Fish_type</div> <div>Fish_area</div> <div>Sex</div> <div>T_of_week</div> <div>Length</div> <div>Ring_ct</div> <div>Yr_class</div> <div>Flag</div> <div>Gonad</div> <div>DB_CCRS_SPPCOMP_77-86.mdb</div> <div>Table - CCRS_SPPCOMP_77-86:</div> <div>ID</div> <div>Year</div> <div>Spp_code</div> <div>Fish_area</div> <div>Fish_type</div> <div>Sex</div> <div>Day_of_week</div> <div>Count</div> <div>Month</div> <div>FPB_LF_59-72.mdb</div> <div>Table - PBLF_1959-1972:</div> |
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| | <div><div>ID Region Year Sp_code Fish_type Fish_area Sex D_of_week Length Count Month</div><div>PB_SP_57-72.mdb Table - PB_SP_57-72: ID Year Spp_Code Fish_Type Fish_Area Sex Day_of_week Count Month</div><div>ii. CRFS CPFV Observer or Dockside data: CRFS Header Table: Ref# ASSN Scanned Survey Date District CNTY Site Port Sampler # <u>DFG Boat #</u> RecFINSurveyEventID</div><div>CRFS Angler Table: Ref # Sample # Angler # Fished Last 12 Mo Zipcode Catch Observed? Catch Unobserved? Boat Crew? RecFinSurveyEventID</div></div> |
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| | EffortID AnglerID CRFS Effort Table: Ref# <u>DFG Boat #</u> <u>Boat Name on Form</u> <u>Vessel Name</u> Sample # Stop # Duration Type PC Mode Boat Anglers Anglers Total Days Fished Depart date Depart Time Return Date Return Time 1 st Target Species 1 st Target Water Area 1 st Target Gear 1 st Target # Gear 2 nd Target Species 2 nd Target Water Area 2 nd Target Gear 2 nd Target # Gear DD? RecFinSurveyEventID EffortID CRFS Catch Table: Ref # Sample # Species # Species Kept UnObs Alive Dead RecFinSurveyEventID EffortID FishCatchID CRFS BioData Table: Ref# Sample # Species |
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| | <p>Length Length Outside Min/Max Sex Weight Tag # Stop # RecFinSurveyEventID EffortID FishCatchID CatchBioDetailID</p> <p>CRFS Site Table: Ref # Stop # # Anglers GFMT Start Latitude Start Latitude as Decimal Start Longitude Start Longitude as Decimal Start Time Start Depth – Mean Start Depth – Min Start Depth – Max End Latitude End Latitude as Decimal End Longitude End Longitude as Decimal End Time End Depth – Mean End Depth – Min End Depth – Max Water Area Fishing Type Sample Location Target Species Descending Device RecFinSurveyEventID SiteID SiteLocationID</p> <p>CRFS SiteCatch Table: Ref # Stop # Species Kept Rels Alive Rels Dead</p> |
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| | <p>Rels w/DD RecFinSurveyEventID SiteID SiteCatchID</p> <p>iii. CPFV Logbook from MLS:</p> <p>LogMonth LogDay LogYear LogDate LogDateFlag DateReceived DateReceivedFlag NoActivityMonth SerialNumber SerialNumberFlag VesselID VesselIDFlag PortCode PortCodeFlag TargetSpeciesLingcod TargetSpeciesOther TargetSpeciesRockfishes TargetSpeciesSalmon TargetSpeciesSharks TargetSpeciesStripedBass TargetSpeciesSturgeon TargetSpeciesTuna TargetSpeciesPotluck TargetSpeciesMiscCoastal TargetSpeciesMiscOffshore TargetSpeciesMiscBay DateSubmitted FishingMethodTrolling FishingMethodMooching FishingMethodAnchored FishingMethodDrifting FishingMethodDiving FishingMethodLightTackle FishingMethodOther BaitUsedAnchoviesLive BaitUsedAnchoviesDead BaitUsedSardinesLive BaitUsedSardinesDead BaitUsedSquidLive BaitUsedSquidDead BaitUsedOtherLive BaitUsedOtherDead</p> |
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| | <div>TripType</div> <div>TripTypeFlag</div> <div>NonPaying</div> <div>BirdInteraction</div> <div>BirdInteractionFlag</div> <div>DescendingDevice</div> <div>DescendingDeviceFlag</div> <div>Block</div> <div>BlockFlag</div> <div>DepartureTime</div> <div>DepartureTimeFlag</div> <div>ReturnTime</div> <div>ReturnTimeFlag</div> <div>HoursMinutesFished</div> <div>HoursFished</div> <div>HrsMinutesFishedFlag</div> <div>NumberOfFishers</div> <div>NumberOfFishersFlag</div> <div>Depth</div> <div>Temperature</div> <div>TemperatureFlag</div> <div>SpeciesCode</div> <div>SpeciesFlag</div> <div>Species</div> <div>NumberKept</div> <div>NumberKeptFlag</div> <div>NumberReleased</div> <div>NumberReleasedFlag</div> <div>NumberLostToSeaLions</div> <div>NumberLostToSeaLionsFlag</div> <div>NumberOfCrewFished</div> <div>OperatorName</div> <div>SubmitByName</div> <div>CompleteDate</div> <div>LastQCEditBy</div> <div>QCEditDate</div> <div>NumberOfFishCaughtByCrew</div> <div>Iv. California PacFIN landings data</div> <div>LANDING_YEAR</div> <div>LANDING_MONTH</div> <div>LANDING_DAY</div> <div>LANDING_DATE</div> <div>NUM_OF_DAYS_FISHED</div> <div>FISH_TICKET_ID</div> <div>FTID</div> <div>AGENCY_CODE</div> |
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| | <div>PARTICIPATION_GROUP_CODE PARTICIPATION_GROUP_NAME FLEET_CODE VESSEL_REGISTRATION_ID VESSEL_ID VESSEL_NUM VESSEL_TYPE_CODE FISHER_LICENSE_NUM GEAR_CODE GEAR_NAME ADJUSTED_GEAR_CODE PACFIN_GEAR_CODE PACFIN_GEAR_DESCRIPTION PACFIN_GROUP_GEAR_CODE CATCH_AREA_CODE CATCH_AREA_DESCRIPTION AREA_TYPE_CODE AREA_TYPE_NAME ORIG_PACFIN_CATCH_AREA_CODE PACFIN_CATCH_AREA_CODE PACFIN_CATCH_AREA_NAME PACFIN_CATCH_AREA_DESCRIPTION PACFIN_GROUP_CATCH_AREA_CODE INPFC_AREA_TYPE_CODE COUNCIL_CODE PORT_CODE PORT_NAME PACFIN_PORT_CODE PACFIN_PORT_NAME PACFIN_PORT_DESCRIPTION PACFIN_GROUP_PORT_CODE COUNTY_CODE COUNTY_NAME COUNTY_STATE SUBREGION_CODE SUBREGION_NAME REGION_CODE REGION_NAME DEALER_ID DEALER_NUM DEALER_NAME SPECIES_CODE SPECIES_CODE_NAME ORIG_PACFIN_SPECIES_CODE PACFIN_SPECIES_CODE PACFIN_SPECIES_COMMON_NAME PACFIN_SPECIES_SCIENTIFIC_NAME MANAGEMENT_GROUP_CODE</div> |
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| | COMPLEX COMPLEX2 COMPLEX3 COMPLEX4 REMOVAL_TYPE_CODE REMOVAL_TYPE_NAME IS_REMOVAL_LEGAL GRADE_CODE GRADE_NAME CONDITION_CODE CONDITION_NAME DISPOSITION_CODE DISPOSITION_NAME PRODUCT_USE_CODE PRODUCT_USE_NAME PRODUCT_FORM_CODE PRODUCT_FORM_NAME IS_OVERAGE NUM_OF_FISH LANDED_WEIGHT_LBS LANDED_WEIGHT_MTONS CONVERSION_FACTOR ROUND_WEIGHT_LBS ROUND_WEIGHT_MTONS IS_VALUE_ESTIMATED PRICE_PER_POUND EXVESSEL_REVENUE IS_ETIX_DATA IS_IFQ_LANDING IFQ_ACCOUNT_NUM IS_AREA_COMP_USED IS_SPECIES_COMP_USED DAHL_GROUNDFISH_CODE THOMSON_FISHERY_CODE DANGELO_HMS_CODE GMT_SABLEFISH_CODE COUNT_LE_PERMITS IS_TRAWL_ENDORSED IS_LONGLINE_ENDORSED IS_TRAP_ENDORSED PACFIN_YEAR PACFIN_VDATE CFT_ID IS_EM_LANDING TICKET_SOURCE_CODE TRIP_SEQ HILLE_PERMIT WCHMS_PERMIT |
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| | <div>HSFCA_PERMIT</div> <div>IFQ_MANAGEMENT_AREA</div> <div>IS_SABLEFISH_TIER</div> <div>GF_PERMIT_NUMBER</div> <div>ACL_CODE</div> <div>DECLARATION_CODES</div> <div>DECLARATION_TYPES</div> <div>NOMINAL_TO_ACTUAL_PACFIN_SPECIES_CODE</div> <div>NOMINAL_TO_ACTUAL_PACFIN_SPECIES_NAME</div> <div>MARKET_CATEGORY</div> <div>MARKET_CATEGORY_NAME</div> <div>AFI_PRICE_PER_POUND</div> <div>AFI_EXVESSEL_REVENUE</div> <div>IOPAC_PORT_GROUP</div> <div>FIRST_RECEIVER_NUMBER</div> <div>EFP_CODE</div> <div>EFP_NAME</div> <div>TRIP_ID</div> <div>v. California PacFIN Trawl logbook data</div> <div>Table – lbk_trip</div> <div>Agid</div> <div>Daysfished</div> <div>Daysout</div> <div>Dday</div> <div>Dmonth</div> <div>Dport</div> <div>Drvid</div> <div>Dtime</div> <div>Dyear</div> <div>Ft_match_flag</div> <div>Ncrew</div> <div>Ngal</div> <div>Ntows</div> <div>Rday</div> <div>Region</div> <div>Rmonth</div> <div>Rport</div> <div>Rtime</div> <div>Ryear</div> <div>Towsrec</div> <div>Trip_id</div> <div>Veid</div> <div>Vidtype</div> <div>Warning</div> <div>Table – lbk_tow</div> <div>Adj_towtime</div> |
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| | <div>Agid</div> <div>Area</div> <div>Arid_psmfc</div> <div>Block</div> <div>Block_or</div> <div>Ch_lat</div> <div>Ch_long</div> <div>Depth1</div> <div>Depth2</div> <div>Depth_type1</div> <div>Depth_type2</div> <div>Duration</div> <div>Latlong_type</div> <div>Lbs_adj</div> <div>Lbs_adjexp</div> <div>Lbs_hail</div> <div>Msec_lat</div> <div>Msec_long</div> <div>Net_type</div> <div>Pacfin_target</div> <div>Ps_grnd_code</div> <div>Ps_mgmt_area</div> <div>Ryear</div> <div>Set_lat</div> <div>Set_long</div> <div>Set_time</div> <div>Target</div> <div>Tow_date</div> <div>Townum</div> <div>Trip_id</div> <div>Up_area</div> <div>Up_areid_psmfc</div> <div>Up_block</div> <div>Up_block_or</div> <div>Up_ch_long</div> <div>Up_lat</div> <div>Up_long</div> <div>Up_msec_lat</div> <div>Up_msec_long</div> <div>Up_time</div> <div>Warning</div> <div>Table – lbk_catch</div> <div>Agid</div> <div>Apounds</div> <div>Apound_calculated</div> <div>Apounds_wdfw</div> <div>Condition</div> |
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| | <div>Disposition</div> <div>Grade</div> <div>Hpounds</div> <div>Source</div> <div>Spcode</div> <div>Townum</div> <div>Trip_id</div> <div>Warning</div> |
| | <div>Table – lbk_sp</div> <div>Agid</div> <div>Category</div> <div>Created</div> <div>Description</div> <div>Lbk_spcode</div> <div>Modified</div> |
| | <div>Table – lbk_gr</div> <div>Agid</div> <div>Created</div> <div>Description</div> <div>Grid</div> <div>Modified</div> <div>Net_type</div> |
| | <div>Table – lbk_pr</div> <div>Agid</div> <div>Created</div> <div>Description</div> <div>Lbk_port</div> <div>Modified</div> <div>Pcid</div> |
| | <div>Table – lbk_strategy</div> <div>Agid</div> <div>Created</div> <div>Lbk_strategy</div> <div>Modified</div> <div>Strategy</div> |
| | <div>Table – lbk_ftid</div> <div>Agid</div> <div>Ftid</div> <div>Pargrp</div> <div>Source</div> <div>Ticket_date</div> <div>Townum</div> <div>Trip_id</div> |

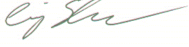
| | |
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| | Table – lbk_ul Agid Comments Data_year Datfile Proctime Records Type. |
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Per FIPS Publication 199, these data have the FIPS Classification = {(confidentiality, moderate), (integrity, moderate), (availability, low)}.

This amendment is subject to all other terms and conditions of the original Data Sharing Agreement which continue in full force and effect.

By the signatures of their duly authorized representative below the California Department of Fish and Wildlife and NOAA FISHERIES agree to all of the provisions of this Data Sharing Agreement as modified by this first amendment.

DocuSigned by:



DATE: 4/26/2023

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Dr. Craig Shuman, Marine Regional Manager
California Department of Fish and Wildlife
1933 Cliff Drive, Suite 9
Santa Barbara, California 93109

DocuSigned by:



DATE: 4/26/2023

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Stephen Adams, Chief Information Officer
Data and Technology Division
California Department of Fish and Wildlife
P.O. Box 944209
Sacramento, California 94244-2090

DocuSigned by:



DATE: 4/10/2023

A0226E0756B841D...

Dr. Kevin Werner, Director
Office of the Science Director
Northwest Fisheries Science Center
2725 Montlake Blvd E
Seattle, WA 98112

DocuSigned by:



DATE: 4/10/2023

5B89402277B74D7...

Dr. Steve Lindley, Director
Fisheries Ecology Division
Southwest Fisheries Science Center
110 McAllister Way
Santa Cruz, CA 95060

Attachment B:

ORIGINAL RATIFIED AGREEMENT SIGNED February 7, 2023

DATA SHARING AGREEMENT

between the

CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE

and the

NOAA FISHERIES

WHEREAS, Fish and Game Code Section 8022 (a) states that the commercial fishing receipts, reports, or other records filed with the California Department of Fish and Wildlife (CDFW) pursuant to Fish and Game Code Article 2, commencing with Section 7700, to Article 7.5, commencing with Section 8040, inclusive, and the information contained therein are confidential;

WHEREAS, Fish and Game Code Section 8022 (b) states that CDFW may release these confidential data to any federal agency responsible for fishery management, provided the information is used solely for the purposes of enforcing fishery management provisions and provided the information will otherwise remain confidential;

WHEREAS, the NOAA Fisheries is responsible for the management of the marine species within federal waters;

WHEREAS, CDFW is willing to disclose the confidential data described in section 2.1 (Confidential Data) to staff at the Northwest and Southwest Fisheries Science Centers (NOAA Fisheries), and NOAA Fisheries is willing to receive the data on the terms and conditions described herein;

WHEREAS, this Data Sharing Agreement (Agreement) is entered into by and between CDFW and NOAA Fisheries to establish the content, use, and protection of Confidential Data needed by NOAA Fisheries for the purpose of supporting stock assessments. This Agreement is only for sharing of the data described below and is a no cost agreement between the parties.

WHEREAS, NOAA Fisheries is authorized to enter into this Agreement under Magnuson-Stevens Fishery Management and Conservation Act (16 U.S.C. § 1801 et seq.).

NOW, THEREFORE, the CDFW and NOAA Fisheries hereby agree that their interactions shall be guided by provisions of this Agreement.

1.0 Period of Agreement

The period of this Agreement shall be in effect from the date of last signature for a period of two years. This Agreement may be extended pursuant to section 8.0 by consent and signature of both parties and may be terminated in writing by either party pursuant to section 9.0.

2.0 Intended Use of Confidential Data

NOAA Fisheries agrees to use information for conducting analyses in support of fisheries stock assessments.

2.1 Description of Confidential Data:

Historical onboard observer and dockside data collected by CDFW for Commercial Passenger Fishing Vessels (CPFV) and private recreational fishing vessels in years 1957-1998; and CPFV logbook records 1980 – present; Commercial Fishing Passenger Vessel (CPFV) onboard observer data collected by the California Recreational Fisheries Survey (CRFS) for years 2004 – present; Commercial landings receipt records 1969 – present; Trawl logbook records 1980 – June 30, 2019;

If the Confidential Data are used for any other purpose other than authorized under this Agreement, further access to any CDFW commercial fisheries information including California PacFIN data will be denied, and this agreement will be terminated immediately.

3.0 Data Transfer

All Confidential Data that are transferred through internal and external networks by the NOAA Fisheries shall adhere to NIST SP 800-53 SC-8 Transmission Confidentiality and Integrity. All Confidential Data that are transferred by NOAA Fisheries by means other than internal and external networks shall adhere to NIST SP 800-53 MP-5 Media Transport.

4.0 Constraints on Use of Confidential Data

The CDFW is the exclusive owner of the Confidential Data subject to this agreement. NOAA Fisheries will in all respects treat it as the proprietary information of CDFW in accordance with all procedures reasonably necessary to protect CDFW's proprietary rights therein, consistent with the legal authorities available to NOAA Fisheries. NOAA Fisheries will maintain the confidentiality of the Confidential Data consistent with legal authorities available to the NOAA Fisheries, including but not limited to the Magnuson-Stevens Fishery Management and Conservation Act (16 U.S.C. § 1801 et seq), the Privacy Act (5 U.S.C. § 552a), and the Freedom of Information Act (FOIA) (5 U.S.C. § 552). In the event that the NOAA Fisheries receives a formal request for the Confidential Data pursuant to FOIA or any other applicable law, the NOAA Fisheries will notify CDFW prior to responding to the request.

- 4.1** NOAA Fisheries shall only use the Confidential Data for the purposes identified in section 2.0.
- 4.2** To the extent permitted by Federal laws and regulations, NOAA Fisheries shall restrict disclosure of the Confidential Data solely to those individuals studying with or working for NOAA Fisheries who have a need to know such information in order to accomplish the identified purposes.
- 4.3** NOAA Fisheries shall advise such individuals, before they receive access to the Confidential Data, of NOAA Fisheries obligations under this Agreement and have each individual read and sign Attachment A. NOAA Fisheries shall take steps to ensure that all such individuals shall comply with the provisions of this Agreement.

- 4.4** Confidential Data shall be summarized, consistent with applicable federal laws, regulations, and policies, prior to being published so as not to disclose the individual record or business of any person. Before publishing commercial fishing data summaries, NOAA Fisheries shall provide these summaries to CDFW for its review.
- 4.5** Publication of any results based upon the Confidential Data shall include proper attribution to CDFW.
- 4.6** To the extent permitted by Federal laws and regulations, Confidential Data received under this Agreement, backups of these data, and all related materials that contain any portion of these Confidential Data, except for the published, summarized Confidential Data discussed in section 4.4, shall be handled in a manner consistent with section 7.0
- 4.7** As required by 5 U.S.C. § 2302(b)(13) and the annual Appropriations Act, these provisions are consistent with, and do not supersede, conflict with, or otherwise alter the employee obligations, rights, or liabilities created by existing statute or Executive order relating to (1) classified information, (2) communications to Congress, (3) the reporting to an Inspector General or the Office of Special Counsel of a violation of any law, rule, or regulation, or mismanagement, a gross waste of funds, an abuse of authority, or a substantial and specific danger to public health or safety, or (4) any other whistleblower protection. The definitions, requirements, obligations, rights, sanctions, and liabilities created by controlling Executive orders and statutory provisions are incorporated into this agreement and are controlling. This Agreement shall not be construed to prohibit or restrict an employee or applicant for employment from disclosing to Congress, the Special Counsel, the Inspector General of a federal agency, or any other federal agency component responsible for internal investigation or review any information that relates to any violation of any law, rule, or regulation, or mismanagement, a gross waste of funds, an abuse of authority, or a substantial and specific danger to public health or safety, or any other whistleblower protection.
- 4.8** This Agreement imposes no obligation upon NOAA Fisheries with respect to information that:
- is or was received by the NOAA Fisheries from a non-CDFW source; or
 - is required by law or a court to be disclosed.

CDFW acknowledges that NOAA Fisheries' ability to maintain the confidentiality of the Confidential Data may be impacted if that data:

- is or becomes a matter of public knowledge;
- is disclosed by CDFW to a third party without a duty of confidentiality on the third party; or

- is disclosed by the NOAA Fisheries for a specific purpose for which CDFW provided prior written approval.

5.0 Data Security

To protect the Confidential Data from unauthorized physical and electronic access and to ensure the confidentiality, availability and integrity of all data shared, NOAA Fisheries shall meet or exceed industry best practices for physical security, data security, network security, and access controls, both technically and procedurally, including compliance with Federal Information Processing Standards (FIPS) Publication 200, *Minimum Security Requirements for Federal Information and Information Systems*, and National Institute of Standards and Technology (NIST) Special Publication 800-53, *Security and Privacy Controls for Federal Information Systems and Organizations*.

- 5.1 NOAA Fisheries will apply security patches and upgrades, and keep anti-virus software up-to-date on all systems on which the Confidential Data may be used.
- 5.2 In the event that the Confidential Data are improperly accessed or breached, NOAA Fisheries will take measures to prevent further access to the Confidential Data or further breach incidents. In the event of a data breach, defined as confirmed access or exfiltration by an individual without authorized access and need-to-know, NOAA Fisheries will notify CDFW of such a breach. Unless notification to CDFW is delayed or barred for law enforcement or national security reasons, the notice should be provided within 30 days or as expeditiously as practicable and without unreasonable delay, consistent with section 6.1 of the U.S. Department of Commerce (DOC) Privacy Act, Personally Identifiable (PII) and Business Identifiable (BII) Breach Notification Plan (DOC Breach Notification Plan) and other applicable federal laws and policies, including the Privacy Act of 1974 (5 USC §552a). CDFW will confer with NOAA Fisheries prior to sending notice to affected individuals. NOAA Fisheries will perform an investigation of the incident and shall cooperate with inquiries by CDFW to the extent permitted by federal law. Despite any preventive measures taken by NOAA Fisheries, CDFW retains the right to terminate this Agreement consistent with section 9.0 of this Agreement.
- 5.3 To the extent permitted by federal law, NOAA Fisheries agrees to cooperate and coordinate with CDFW in efforts to address or recover any unauthorized disclosure, release, access, review, or loss, theft, misuse or destruction of confidential data. The data breach provisions in the following policies will apply to NOAA Fisheries' efforts: DOC Administrative Order 205-16 Managing Electronic Records; DOC Information Technology Management Handbook; DOC Information Technology Security Program Policy; DOC Breach Notification Plan; DOC CITR-019: Risk Management Framework; NOAA Administrative Orders 212-13: NOAA Information Technology Security Program Policy; and NOAA Administrative Order 212-1301: NOAA Information Technology Security Manual.

5.4 CDFW retains the right to assert a claim for any damage caused or costs incurred because of the failure of NOAA Fisheries to perform an obligation under this Agreement or the negligent acts of its personnel, employees, or contractors which results in an unauthorized disclosure, release, access, review, or loss, theft, misuse or destruction of confidential data. The treatment of such a claim by CDFW for damages shall be reviewed and adjudicated pursuant to federal law and regulations, including, but not limited to, the Federal Tort Claims Act (28 U.S.C., Ch. 171); provided, however, that nothing herein shall be construed to be an undertaking to indemnify or hold-harmless any person whether or not a party to this agreement.

6.0 Compliance with Applicable Laws and Regulations

NOAA Fisheries shall comply with all applicable state and federal laws and regulations protecting the Confidential Data provided to NOAA Fisheries pursuant to this Agreement including the privacy of any personal information included in the Confidential Data.

7.0 Disposition of Confidential Data

All Confidential Data received by the NOAA Fisheries under this Agreement that is no longer needed by NOAA Fisheries for the purposes described in section 2.0 shall be handled in the same manner as noted below in section 9.0.

8.0 Amendments and Alterations to this Agreement

This Agreement constitutes the entire agreement between CDFW and NOAA Fisheries for the purpose of analyzing the Confidential Data for the stated purpose, and no other statements or representations, written or oral, shall be deemed to exist or to bind the parties. CDFW and NOAA Fisheries may amend this Agreement at any time, including extending the duration of the Agreement, provided that the amendment is with the consent of both parties, in writing, and signed by authorized persons.

9.0 Termination of the Agreement

CDFW may terminate this Agreement at any time, for cause. Either party may terminate this agreement for any reason with a 30-day written notice, including terminating it because the Confidential Data is no longer needed for the purposes described in section 2.0 or those purposes have already been met. The Agreement will terminate at the end of the time period identified in section 1.0, unless extended pursuant to section 8.0.

In the event this Agreement is terminated, or NOAA Fisheries ceases operation, NOAA Fisheries shall remove general user access to the Confidential Data and related materials. NOAA Fisheries disposition of such records shall be in accordance with applicable NOAA Records Schedules, including NOAA Records Schedule Series 1502 (Resource Assessment, Distribution, and Classification Files), 1507 (Fisheries Statistics and Marketing News Reporting Files), 1515 (Marine Recreation Fisheries Program) and 2400 (Information System Security Records). Consistent with the applicable NOAA Records Schedule, NOAA Fisheries will destroy or return to CDFW all Confidential Data covered by this Agreement as well as any backups and all related materials that

contain any portion of the Confidential Data. Once the Confidential Data and related materials are destroyed or transferred to CDFW, NOAA Fisheries shall sanitize the data in accordance with NIST SP 800-53 MP-6 Media Sanitation and with respect to backup media, sanitation will occur at the end of the applicable retention period for backup media. CDFW may request independent confirmation of data sanitation.

NOAA Fisheries' obligations of confidentiality and restrictions on use of the Confidential Data pursuant to this Agreement shall continue in full force and effect, and shall survive termination of this Agreement.

10.0 Dispute Resolution

Except as otherwise provided in this Agreement, should a bona fide dispute arise between CDFW and NOAA Fisheries, it is the expectation of both the NOAA Fisheries and CDFW that the parties shall meet and resolve the issue through discussion and negotiation. If the Parties are unable to resolve the dispute through good faith discussions, the Parties reserve the right to seek legal remedies as appropriate.

11.0 Notices

Any notices made in connection with this Agreement shall be in writing and sent certified mail to the following individuals and addresses:

For CDFW:

California Department of Fish and Wildlife

Dr. Craig Shuman, Regional Manager
California Department of Fish and Wildlife
Marine Region
1933 Cliff Drive, Suite 9
Santa Barbara, CA 93109
Telephone: (916) 217-2370
E-mail: Craig.Shuman@wildlife.ca.gov

For NOAA Fisheries:

National Oceanic and Atmospheric
Administration

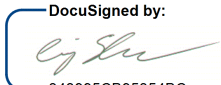
U.S. Department of Commerce
Dr. Melissa Monk
National Oceanic and Atmospheric Administration
Southwest Fisheries Science Center
Fisheries Ecology Division
110 McAllister Way
Santa Cruz, CA 95060
Telephone: (831)-420-3950
E-mail: Melissa.Monk@noaa.gov

12.0 Independent Capacity

The employees or agents of each party who are engaged in the performance of this Agreement shall continue to be employees or agents of that party and shall not be considered for any purpose to be employees or agents of the other party.

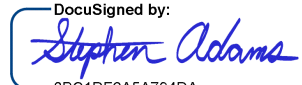
By the signatures of their duly authorized representative below, the California Department of Fish and Wildlife, and NOAA Fisheries agree to all of the provisions of this Data Sharing Agreement.

**CALIFORNIA DEPARTMENT
OF FISH AND WILDLIFE**

BY: 
343995CB95354BC...
Dr. Craig Shuman

TITLE: Marine Region, Regional Manager

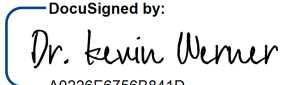
DATE: 2/6/2023

BY: 
0BC1DF6A5A794DA...
Stephen Adams

TITLE: Chief Information Officer

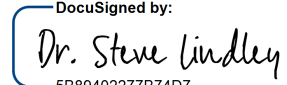
DATE: 2/7/2023

NOAA FISHERIES

BY: 
A0226E6756B841D...
Dr. Kevin Werner

TITLE: Director, Office of the Science
Director, Northwest Fisheries Science
Center

DATE: 2/6/2023

BY: 
5B89402277B74D7...
Dr. Steve Lindley

TITLE: Director, Southwest Fisheries
Science Center Fisheries Ecology Division

DATE: 2/6/2023

Read and Understood (Template)

Attachment A

Acknowledgement of DATA SHARING AGREEMENT between CDFW and NOAA Fisheries

I acknowledge that on _____, I received a copy of DATA SHARING AGREEMENT between the CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE and the NOAA FISHERIES (AGREEMENT) dated MM/DD/YYYY. I also acknowledge that I have read and understand this AGREEMENT and agree to comply with its terms and conditions.

Name (Please Print)

Regional Science Center

Signature

Date

Attachment B

| | |
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| General Description | <p>Dockside Commercial Fishing Passenger Vessel (CPFV) and private recreational fishing vessel sampling collected by CDFW in central California from 1957 to 1986. Southern California onboard sampling data collected by Ray Alee et al from 1985 - 1989. Central and northern California CPFV sampling collected by Deb Wilson-Vandenberg et al from 1987 - 1998.</p> <p>California Recreational Fisheries Survey (CRFS) observer data for Commercial passenger fishing vessel (CPFV) effort and location records (PCO).</p> <p>State logbook records from the Commercial Passenger Fishing Vessel (CPFV) log and from the Commercial Trawl log.</p> <p>Commercial landing receipts.</p> |
| Observation Requested | <p>i. Multiple CDFW project observations from 1957 – 1998</p> <p>ii. CRFS CPFV observer and dockside data for years 2004 – present</p> <p>iii. CPFV log records - CDFW Marine Logs System (MLS) 1980 – present</p> <p>iv. Commercial landings Receipts - PacFIN or CalCOM - 1969 – present</p> <p>v. Trawl log record – PacFIN –1980 - present</p> |
| Delivery Timeline Request | As soon as possible |
| Process: | Various |
| File Name: | To be determined |
| Format: | .mdb |
| Data Fields Provided | <p>i. CDFW project observation data:</p> <p>CPFV.mdb</p> <p>Table - Boccaccio:</p> <p>Year</p> <p>BlockNo</p> <p>CommonName</p> <p>Total Catch</p> <p>EffortAH</p> <p>CPUH</p> <p>Table - Tbl_70strip:</p> <p>TriplID</p> |

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| | <p> Date Complex PortCode BoatID BlockNo PctSamp RunTimeH DepthI Tempf Anglers EffortH </p> <p>Table - Tbl_80strip:</p> <p> TripID Date Complex Landing BoatID Depart BlockNo DepthL DepthH Anglers CrewNo AskCrew EffortM </p> <p>86-88 Data.mdb</p> <p>Table - Length_Tbl:</p> <p> Autonumber New_Boatnum_Index L_Complex L_Landing L_Date_YY L_Date_MM L_Date_DD L_Specode L_Keptrel L_Sampler Parent_Tbl L-Lendth1 L_Tally_1 </p> <p>Table - Sitemerge_Boatnum_Reindex:</p> <p> Sitemerge_ID S_Complex S_Landing S_Date_yy </p> |
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| | <p> S_Date_mm S_Date_dd S_Timedep New_Boatnum S_Effcode S_Specode S_Numkept S_Numrels S_Typtrip S_Depth_L S_Depth_H S_Sampler S_Samp_yn S_Rsncode S_US_Mexi S_Numcust S_Numcrew S_Askcrew S_Eff_min S_Cnt_est S_Recdkey </p> <p>CPFV-OnboardData.mdb</p> <p>Table - AllTrip:</p> <p> AllTRPID Triposamp Date Month Day Year Boatnum Landing Triptyp Paidang Freeang Obsvang </p> <p>Table - Alltripbl:</p> <p> AlltripblID Triposamp Loc Fshgtime Mindepth Maxdepth Fshgtype Tackle Sp Fate </p> |
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| | <p>Count</p> <p>Table - Length: LengthID Triposamp Sloc Nloc Sp Fate TI Fdweight</p> <p>CPFV_SoCAI_85-87.mdb: Tables - 89CAT (2): C_complex C_landing C_boatnum C_date_yy C_date_mm C_date_dd C_timedep C_effcode C_specode C_sampler C_typtrip C_samp_yn C_rsnocode C_us_mexi C_numcust C_numcrew C_askcrew C_eff_min C_cnt_est C_numkept C_numrels C_recdkey</p> <p>Tables – KVALUE (3): S_recdkey S_complex S_landing S_boatnum S_date_yy S_date_mm S_date_dd S_timedep S_effcode S_specode</p> |
|--|---|

S_depth_L
 S_depth_H
 S_sampler
 S_typtrip
 S_samp_yn
 S_rsnocode
 S_us_mex
 S_numcust
 S_numcrew
 S_eff_min
 S_cnt_est
 S_numkept
 S_numrels

Tables – SiteMerge (4):

S_reckey
 S_complex
 S_landing
 S_boatnum
 S_date_yy
 S_date_mm
 S_date_dd
 S_timedep
 S_effcode
 S_specode
 S_depth_L
 S_depth_H
 S_sampler
 S_typtrip
 S_samp_yn
 S_rsnocode
 S_us_mex
 S_numcust
 S_numcrew
 S_eff_min
 S_cnt_est
 S_numkept
 S_numrels

LengthData.mdb

Table - Length_Tbl:

Autonumber
 L_complex
 L_landing
 L_boatnum
 L_date_yy
 L_date_mm
 L_date_dd

| | |
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| | <p> L_specode L_keptrel L_sampler Parent_Tbl L_length1 L_tally_1 </p> <p>Tables - 84-89_Append (6):</p> <p> Auto_ID Parent_Tbl L_recdkey L_complex L_landing L_boatnum L_date_yy L_date_mm L_date_dd L_timedep L_specode L_sampler L_keptrel L_length1 L_tally1 L_length2 L_tally2 L_length3 L_tally3 L_length4 L_tally4 L_length5 L_tally5 L_length6 L_tally6 </p> <p>CCRS_LF_77-86.mdb</p> <p>Table - CCRS7786:</p> <p> ID Month Day Year Date Sp_code Fish_type Fish_area Sex T_of_week Length Ring_ct </p> |
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| | <p>Yr_class Flag Gonad</p> <p>DB_CCRS_SPPCOMP_77-86.mdb Table - CCRS_SPPCOMP_77-86: ID Year Spp_code Fish_area Fish_type Sex Day_of_week Count Month</p> <p>FPB_LF_59-72.mdb Table - PBLF_1959-1972: ID Region Year Sp_code Fish_type Fish_area Sex D_of_week Length Count Month</p> <p>PB_SP_57-72.mdb Table - PB_SP_57-72: ID Year Spp_Code Fish_Type Fish_Area Sex Day_of_week Count Month</p> <p>ii. CRFS CPFV Observer or Dockside data: CRFS Header Table: Ref# ASSN</p> |
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| | <p>Scanned Survey Date District CNTY Site Port Sampler # RecFINSurveyEventID</p> <p>CRFS Angler Table: Ref # Sample # Angler # Fished Last 12 Mo Zipcode Catch Observed? Catch Unobserved? Boat Crew? RecFinSurveyEventID EffortID AnglerID</p> <p>CRFS Effort Table: Ref# Sample # Stop # Duration Type PC Mode Boat Anglers Anglers Total Days Fished Depart date Depart Time Return Date Return Time 1st Target Species 1st Target Water Area 1st Target Gear 1st Target # Gear 2nd Target Species 2nd Target Water Area 2nd Target Gear 2nd Target # Gear DD? RecFinSurveyEventID EffortID</p> <p>CRFS Catch Table:</p> |
|--|--|

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| | Ref # Sample # Species # Species Kept UnObs Alive Dead RecFinSurveyEventID EffortID FishCatchID CRFS BioData Table: Ref# Sample # Species Length Length Outside Min/Max Sex Weight Tag # Stop # RecFinSurveyEventID EffortID FishCatchID CatchBioDetailID CRFS Site Table: Ref # Stop # # Anglers GFMT Start Latitude Start Latitude as Decimal Start Longitude Start Longitude as Decimal Start Time Start Depth – Mean Start Depth – Min Start Depth – Max End Latitude End Latitude as Decimal End Longitude End Longitude as Decimal End Time End Depth – Mean End Depth – Min End Depth – Max |
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| | <p> Water Area Fishing Type Sample Location Target Species Descending Device RecFinSurveyEventID SiteID SiteLocationID </p> <p>CRFS SiteCatch Table:</p> <p> Ref # Stop # Species Kept Rels Alive Rels Dead Rels w/DD RecFinSurveyEventID SiteID SiteCatchID </p> <p>iii. CPFV Logbook from MLS:</p> <p> LogMonth LogDay LogYear LogDate LogDateFlag DateReceived DateReceivedFlag NoActivityMonth SerialNumber SerialNumberFlag VesselID VesselIDFlag PortCode PortCodeFlag TargetSpeciesLingcod TargetSpeciesOther TargetSpeciesRockfishes TargetSpeciesSalmon TargetSpeciesSharks TargetSpeciesStripedBass TargetSpeciesSturgeon TargetSpeciesTuna TargetSpeciesPotluck TargetSpeciesMiscCoastal TargetSpeciesMiscOffshore TargetSpeciesMiscBay </p> |
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| | DateSubmitted FishingMethodTrolling FishingMethodMooching FishingMethodAnchored FishingMethodDrifting FishingMethodDiving FishingMethodLightTackle FishingMethodOther BaitUsedAnchoviesLive BaitUsedAnchoviesDead BaitUsedSardinesLive BaitUsedSardinesDead BaitUsedSquidLive BaitUsedSquidDead BaitUsedOtherLive BaitUsedOtherDead TripType TripTypeFlag NonPaying BirdInteraction BirdInteractionFlag DescendingDevice DescendingDeviceFlag Block BlockFlag DepartureTime DepartureTimeFlag ReturnTime ReturnTimeFlag HoursMinutesFished HoursFished HrsMinutesFishedFlag NumberOfFishers NumberOfFishersFlag Depth Temperature TemperatureFlag SpeciesCode SpeciesFlag Species NumberKept NumberKeptFlag NumberReleased NumberReleasedFlag NumberLostToSeaLions NumberLostToSeaLionsFlag NumberOfCrewFished OperatorName |
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| | SubmitByName CompleteDate LastQCEditBy QCEditDate NumberOfFishCaughtByCrew Iv. California PacFIN landings data LANDING_YEAR LANDING_MONTH LANDING_DAY LANDING_DATE NUM_OF_DAYS_FISHED FISH_TICKET_ID FTID AGENCY_CODE PARTICIPATION_GROUP_CODE PARTICIPATION_GROUP_NAME FLEET_CODE VESSEL_REGISTRATION_ID VESSEL_ID VESSEL_NUM VESSEL_TYPE_CODE FISHER_LICENSE_NUM GEAR_CODE GEAR_NAME ADJUSTED_GEAR_CODE PACFIN_GEAR_CODE PACFIN_GEAR_DESCRIPTION PACFIN_GROUP_GEAR_CODE CATCH_AREA_CODE CATCH_AREA_DESCRIPTION AREA_TYPE_CODE AREA_TYPE_NAME ORIG_PACFIN_CATCH_AREA_CODE PACFIN_CATCH_AREA_CODE PACFIN_CATCH_AREA_NAME PACFIN_CATCH_AREA_DESCRIPTION PACFIN_GROUP_CATCH_AREA_CODE INPFC_AREA_TYPE_CODE COUNCIL_CODE PORT_CODE PORT_NAME PACFIN_PORT_CODE PACFIN_PORT_NAME PACFIN_PORT_DESCRIPTION PACFIN_GROUP_PORT_CODE COUNTY_CODE |
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| | COUNTY_NAME |
| | COUNTY_STATE |
| | SUBREGION_CODE |
| | SUBREGION_NAME |
| | REGION_CODE |
| | REGION_NAME |
| | DEALER_ID |
| | DEALER_NUM |
| | DEALER_NAME |
| | SPECIES_CODE |
| | SPECIES_CODE_NAME |
| | ORIG_PACFIN_SPECIES_CODE |
| | PACFIN_SPECIES_CODE |
| | PACFIN_SPECIES_COMMON_NAME |
| | PACFIN_SPECIES_SCIENTIFIC_NAME |
| | MANAGEMENT_GROUP_CODE |
| | COMPLEX |
| | COMPLEX2 |
| | COMPLEX3 |
| | COMPLEX4 |
| | REMOVAL_TYPE_CODE |
| | REMOVAL_TYPE_NAME |
| | IS_REMOVAL_LEGAL |
| | GRADE_CODE |
| | GRADE_NAME |
| | CONDITION_CODE |
| | CONDITION_NAME |
| | DISPOSITION_CODE |
| | DISPOSITION_NAME |
| | PRODUCT_USE_CODE |
| | PRODUCT_USE_NAME |
| | PRODUCT_FORM_CODE |
| | PRODUCT_FORM_NAME |
| | IS_OVERAGE |
| | NUM_OF_FISH |
| | LANDED_WEIGHT_LBS |
| | LANDED_WEIGHT_MTONS |
| | CONVERSION_FACTOR |
| | ROUND_WEIGHT_LBS |
| | ROUND_WEIGHT_MTONS |
| | IS_VALUE_ESTIMATED |
| | PRICE_PER_POUND |
| | EXVESSEL_REVENUE |
| | IS_ETIX_DATA |
| | IS_IFQ_LANDING |
| | IFQ_ACCOUNT_NUM |
| | IS_AREA_COMP_USED |
| | IS_SPECIES_COMP_USED |

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| | DAHL_GROUNDFISH_CODE THOMSON_FISHERY_CODE DANGELO_HMS_CODE GMT_SABLEFISH_CODE COUNT_LE_PERMITS IS_TRAWL_ENDORSED IS_LONGLINE_ENDORSED IS_TRAP_ENDORSED PACFIN_YEAR PACFIN_VDATE CFT_ID IS_EM_LANDING TICKET_SOURCE_CODE TRIP_SEQ HILLE_PERMIT WCHMS_PERMIT HSFCA_PERMIT IFQ_MANAGEMENT_AREA IS_SABLEFISH_TIER GF_PERMIT_NUMBER ACL_CODE DECLARATION_CODES DECLARATION_TYPES NOMINAL_TO_ACTUAL_PACFIN_SPECIES_CODE NOMINAL_TO_ACTUAL_PACFIN_SPECIES_NAME MARKET_CATEGORY MARKET_CATEGORY_NAME AFI_PRICE_PER_POUND AFI_EXVESSEL_REVENUE IOPAC_PORT_GROUP FIRST_RECEIVER_NUMBER EFP_CODE EFP_NAME TRIP_ID v. California PacFIN Trawl logbook data Table – lbk_trip Agid Daysfished Daysout Dday Dmonth Dport Drvid Dtime Dyear Ft_match_flag Ncrew |
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| | <div>Ngal</div> <div>Ntows</div> <div>Rday</div> <div>Region</div> <div>Rmonth</div> <div>Rport</div> <div>Rtime</div> <div>Ryear</div> <div>Towsrec</div> <div>Trip_id</div> <div>Veid</div> <div>Vidtype</div> <div>Warning</div> <div>Table – lbk_tow</div> <div>Adj_towtime</div> <div>Agid</div> <div>Area</div> <div>Arid_psmfc</div> <div>Block</div> <div>Block_or</div> <div>Ch_lat</div> <div>Ch_long</div> <div>Depth1</div> <div>Depth2</div> <div>Depth_type1</div> <div>Depth_type2</div> <div>Duration</div> <div>Latlong_type</div> <div>Lbs_adj</div> <div>Lbs_adjexp</div> <div>Lbs_hail</div> <div>Msec_lat</div> <div>Msec_long</div> <div>Net_type</div> <div>Pacfin_target</div> <div>Ps_grnd_code</div> <div>Ps_mgmt_area</div> <div>Ryear</div> <div>Set_lat</div> <div>Set_long</div> <div>Set_time</div> <div>Target</div> <div>Tow_date</div> <div>Townum</div> <div>Trip_id</div> <div>Up_area</div> <div>Up_areid_psmfc</div> |
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| | <p>Up_block Up_block_or Up_ch_long Up_lat Up_long Up_msec_lat Up_msec_long Up_time Warning</p> <p>Table – lbk_catch Agid Apounds Apound_calculated Apounds_wdfw Condition Disposition Grade Hpounds Source Spcode Townum Trip_id Warning</p> <p>Table – lbk_sp Agid Category Created Description Lbk_spcode Modified</p> <p>Table – lbk_gr Agid Created Description Grid Modified Net_type</p> <p>Table – lbk_pr Agid Created Description Lbk_port Modified Pcid</p> |
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| | <div><div>Table – lbk_strategy Agid Created Lbk_strategy Modified Strategy</div><div>Table – lbk_ftid Agid Ftid Pargrp Source Ticket_date Townum Trip_id</div><div>Table – lbk_ul Agid Comments Data_year Datfile Proctime Records Type.</div></div> |
|--|---|

Per FIPS Publication 199, these data have the FIPS Classification = {(confidentiality, moderate), (integrity, moderate), (availability, low)}.

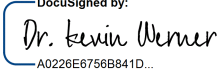
Certificate Of Completion

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| Subject: Please DocuSign This Document | | |
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| AutoNav: Enabled | | 1700 9th Street |
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| Time Zone: (UTC-08:00) Pacific Time (US & Canada) | | Sacramento, CA 95811 |
| | | Paulo.Serpa@wildlife.ca.gov |
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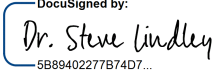
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| 2/1/2023 4:43:48 PM | Paulo.Serpa@wildlife.ca.gov | |
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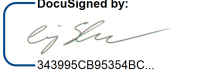
Signer Events

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| Dr. Kevin Werner | <div>DocuSigned by:  A0226E6756B841D...</div> Signature Adoption: Pre-selected Style Using IP Address: 65.130.95.17 | Sent: 2/1/2023 5:05:47 PM |
| Kevin.Werner@noaa.gov | | Viewed: 2/1/2023 5:08:44 PM |
| Security Level: Email, Account Authentication (None) | | Signed: 2/6/2023 1:51:31 PM |


Electronic Record and Signature Disclosure:
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| Dr. Steve Lindley | <div>DocuSigned by:  5B89402277B74D7...</div> Signature Adoption: Pre-selected Style Using IP Address: 162.236.247.49 | Sent: 2/6/2023 1:51:35 PM |
| Steve.Lindley@noaa.gov | | Viewed: 2/6/2023 2:14:38 PM |
| Security Level: Email, Account Authentication (None) | | Signed: 2/6/2023 2:15:32 PM |

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| Craig.Shuman@wildlife.ca.gov | | Viewed: 2/6/2023 5:52:59 PM |
| Marine Regional Manager | | Signed: 2/6/2023 5:53:16 PM |

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| Stephen Adams | <div>DocuSigned by:  0BC1DF6A5A794DA...</div> Signature Adoption: Uploaded Signature Image Using IP Address: 134.186.51.126 | Sent: 2/6/2023 5:53:20 PM |
| Stephen.Adams@wildlife.ca.gov | | Viewed: 2/7/2023 11:00:24 AM |
| IT Operations Branch, Chief | | Signed: 2/7/2023 11:01:14 AM |

California Department of Fish and Wildlife
Security Level: Email, Account Authentication (None)

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| In Person Signer Events | Signature | Timestamp |
| Editor Delivery Events | Status | Timestamp |
| Agent Delivery Events | Status | Timestamp |
| Intermediary Delivery Events | Status | Timestamp |
| Certified Delivery Events | Status | Timestamp |
| Carbon Copy Events | Status | Timestamp |
| Todd Neahr Todd.Neahr@wildlife.ca.gov Senior ES Supervisor California Department of Fish and Wildlife Security Level: Email, Account Authentication (None) Electronic Record and Signature Disclosure: Not Offered via DocuSign | COPIED | Sent: 2/7/2023 11:01:17 AM |
| Matt Warren matthew.warren@wildlife.ca.gov Security Level: Email, Account Authentication (None) Electronic Record and Signature Disclosure: Not Offered via DocuSign | COPIED | Sent: 2/7/2023 11:01:19 AM |
| Witness Events | Signature | Timestamp |
| Notary Events | Signature | Timestamp |
| Envelope Summary Events | Status | Timestamps |
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| Certified Delivered | Security Checked | 2/7/2023 11:00:24 AM |
| Signing Complete | Security Checked | 2/7/2023 11:01:14 AM |
| Completed | Security Checked | 2/7/2023 11:01:19 AM |
| Payment Events | Status | Timestamps |
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