

**SUBMISSION AGREEMENT
BETWEEN
THE NATIONAL MARINE FISHERIES SERVICE SOUTHWEST FISHERIES SCIENCE
CENTER
AND
THE NATIONAL CENTERS FOR ENVIRONMENTAL INFORMATION
FOR HISTORICAL HYDROGRAPHIC AND ICHTHYOPLANKTON DATA
COLLECTED BY CALCOFI (CALIFORNIA COOPERATIVE OCEANIC FISHERIES
INVESTIGATIONS) FROM 1951 TO PRESENT**

2018-03-08

Introduction

This document represents the agreement that the National Marine Fisheries Service southwest Fisheries Science Center (NMFS) (the "Provider") and the National Centers for Environmental Information (NCEI) (the "Archive") have reached for submitting the Provider's data, Historical hydrographic and ichthyoplankton data collected by CALCOFI (California Cooperative Oceanic Fisheries Investigations) from 1951 to present, to the Archive for long-term preservation. It represents a joint effort between the Provider and the Archive to accurately document the agreement and the expectations between the two groups.

In order to ensure that the quality and integrity of the archived data is not compromised, the Provider and the Archive agree to maintain this agreement with accurate and up-to-date information through the life of the data submission.

Add comments as needed

Contacts

Persons included in all communications regarding the data submission.

Provider Contacts

Point of Contact, Data Steward

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Archive Contacts

Data Acquisition, Stewardship
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NCEI> National Centers for Environmental
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Data Overview

The entire dataset consist of the hydrographic data collected by Scripps Institution of Oceanography and ichthyoplankton data collected by NOAA Southwest Fisheries Science Center from 1951 to the present in frame of CALCOFI program. CalCOFI hydrographic and plankton data are distributed to the community for use without restriction.

Applicable and Reference Documents

Documents applicable to or referenced from this agreement.

None

Submission Scope

Active Submission Period

2018-01-15 - 2018-01-15

Data Types

Below is a summary of the data sizing and submission schedule by data type group. Enter information on at least one data type.

Data Type Name	Data Sizing	Submission Schedule
Hydrographic and ichthyoplankton	10 GB - 30 GB	2016-01-01 - 2017-01-01

Reviews and Testing

Data will be reviewed by NCEI data archiving team

Providing System

Identification of the system providing the data to NCEI.

System Name: NOAA ERDDAP
System Owner: Roy Mendelsohn
Physical Location: Santa Cruz, California
Additional Information: Add comments as needed on applicable data types, etc.

Transfer Interface

sftp

Submission File Inventory

Information on each submitted file type from the Provider. Information on multiple file types can be added below.

File Type Name: data description

File Name Pattern:

data set id.csv

File Name Field Definitions:

These data are the NOAA portion of the CalCOFI database. They are stored natively as a relational database using

Microsoft SQL Server. Raw data tables will be sent as flat csv files in Bagit format. Denormalized tables more suitable

for public use will be extracted from the NOAA Coastwatch ERDDAP server. The Specific datasets to archive are

ERDDAP dataset IDs:

erdCalCOFIcruises, erdCalCOFIeggcnt, erdCalCOFIeggcntpos,
erdCalCOFIeggstg, erdCalCOFIrvcntpos, erdCalCOFIrvcntAtoAM,
erdCalCOFIrvcntANtoAR, erdCalCOFIrvcntAStoBA, erdCalCOFIrvcntBCEtoBZ,
erdCalCOFIrvcntCtoCE, erdCalCOFIrvcntCDtoCH, erdCalCOFIrvcntCItoCO,
erdCalCOFIrvcntCPtoDE, erdCalCOFIrvcntDHtoEC, erdCalCOFIrvcntEDtoEU,
erdCalCOFIrvcntEVtoGN, erdCalCOFIrvcntGotoHA, erdCalCOFIrvcntHBtoHI,
erdCalCOFIrvcntHJtoID, erdCalCOFIrvcntIEtoLA, erdCalCOFIrvcntLBtoLI,
erdCalCOFIrvcntLJtoMA, erdCalCOFIrvcntMBtoMO, erdCalCOFIrvcntMPtoNA,
erdCalCOFIrvcntNBtoOL, erdCalCOFIrvcntOMtoOX, erdCalCOFIrvcntOYtoPI,
erdCalCOFIrvcntPLtoPO, erdCalCOFIrvcntPPtoPZ, erdCalCOFIrvcntQtoSA,
erdCalCOFIrvcntSBtoSC, erdCalCOFIrvcntSDtoSI, erdCalCOFIrvcntSJtoST,
erdCalCOFIrvcntSUtoTE, erdCalCOFIrvcntTFtoU, erdCalCOFIrvcntVtoZ,
erdCalCOFIrvsiz, erdCalCOFIrvstg, erdNOAAhydros, erdCalCOFIstns,
erdCalCOFItowtyp, erdCalCOFItows

Example File Name:

erdCalCOFItows

File Format: CSV

File Compression: None

File Size Range: 500MB to 2GB

File Count (Rate): 42

Data Volume (Rate): 20GB

Submission Schedule: General time window for when this file will be submitted

Additional Information: Add comments as needed for this file type

Descriptive Information Attributes:

None: date/time fields are usually used as descriptive attributes for this file.

Submission Manifest

A submission manifest file with a 32-character MD5 checksum value is required for each submitted file in order to ensure the integrity of the submitted data.

File Content Specification:

A submission manifest file contains a comma delimited list of submitted file names and associated checksums for one or more submitted files.

File Transmission:

The frequency and mechanism of a submission manifest transmission.

File Name Pattern:

Naming pattern used to identify the submission manifest file

File Name Definitions:

Definitions of the fields in the submission manifest file name pattern

Example File Name:

manifest-256-sha

Archive Ingest

Ingest processing steps at the Archive and communication with the Provider.

Receipt Verification:

The Archive will use the provided file name and 32-character MD5 checksum value to verify the integrity of a delivered file.

Error Reconciliation:

The Archive will report any problems or errors with file integrity, file name, checksum validation, or other errors that inhibit the data ingest and archive to the Provider. A new corresponding submission manifest will be required for files re-submitted by the Provider.

Receipt Confirmation:

The Archive will provide an inventory of the data ingested once it is completed or as requested by the Provider.

Quality Assurance:

No quality checks on the submitted data are planned, data were quality checked by data provider.

Archive File Packaging:

Description of file packaging or re-naming by the Archive upon ingest.

Archive Storage

Archive attributes of each archived file type.

Archive File Type Name: CalCOFI_ichthyoplankton	
Archive File Attributes/IDs:	
Attribute/ID Type	Value
Dataset ID	Attribute/ID value

Archive Updates

Data submissions intended to update an existing archive record require adequate notification and justification. Updates can supersede previous data submissions as a newer or improved version, however any previously submitted data will not be removed from the archive for the purpose maintaining version control and traceability in the archive.

Retention Schedule

The data will be retained in the Archive for long-term preservation in accordance with NOAA data management standards. Information on data usage and archive value may be used for making decisions on continuing the duration of the archive.

(Notional) Disposition: Unknown/TBD

Constraints

No constraints apply or will apply to the archived data.

User Community

The data are used by the scientific community, fishing community, and environmental groups.

User Documentation and Metadata

The Provider will supply information to the Archive for writing and maintaining standard archive metadata, which includes data discovery information, references and data archive access links for users. The following published documents and archived items will be referenced from the metadata and made available to users.

Representation Information Items

For data to be useful to users, present and future, its format specification and characteristics must be documented and preserved with the data. Representation Information provides users with syntax (structure) and/or semantics (meaning) to decode the encoded data.

Item	Description
Link to CalCOFI data dictionary	Data dictionary for CalCOFI data users - link: https://oceanview.pfeg.noaa.gov/CalCOFI/datadictionary.html
Link to CalCOFI Data information	Information about CalCOFI sampling methods - https://oceanview.pfeg.noaa.gov/CalCOFI/calcofi_info.html
NMFS InPort Record for CalCOFI data holdings	NMFS InPort XML file that describes the CalCOFI Ichthyoplankton project and data set - https://inport.nmfs.noaa.gov/inport/item/20691

Preservation Descriptive Information Items

Preservation Descriptive Information items contain context, provenance, and/or quality information for the data.

Item	Description
Item name or citation	Item description or intended use

Access and Dissemination

The Archive will provide access services for the data and supporting information to the designated user community.

Additional Terms

None.