

Columbia Basin Fish Facilities

File Geodatabase Feature Class



Tags

Columbia River Basin, Columbia River Watershed, fisheries, fish facilities, hatchery, dam, fish trap, fish ladder, fish management

Summary

This dataset shows the locations of facilities used for fisheries management or passage within the Columbia River basin.

Description

This dataset includes various facilities used for fisheries management in the Columbia Basin, as well as key hydroelectric dams throughout the Basin. For the purposes of this dataset, a facility is a fixed or semi-fixed location where fish are managed, counted or passed, and generally where there is at least one data record in a [Pacific States Marine Fisheries Commission](#) (PSMFC) database. Not all dams fall neatly within this definition, but many are included since they are a significant factor in fish distribution. A primary objective of this dataset is to link PSMFC's Columbia Basin fish data programs through a common location framework, while eliminating the redundancy of location data being mapped and managed by the individual program. While the facility location data will be managed by the PSMFC GIS Center as a single dataset, facilities can be separated and published into multiple map layers based on facility type or other attributes.

Sources for these point data came primarily from Programs within the Pacific States Marine Fisheries Commission (PSMFC), including [StreamNet](#), [PIT Tag Information System](#) (PTAGIS), and the [Regional Mark Processing Center](#) (RMPC), and their various state and federal partners. Locations have been checked and in some cases modified, to more closely match available imagery and/or regional hydrography, as appropriate. Inclusion in the dataset or depiction in the mapper does not mean that the facility is currently active.

Basic types of fish facilities currently include:

- Hatcheries, acclimation / release sites
- Dams (categorized further for display purposes, including decommission/removed dams)
- Fish traps & collection facilities (including screw traps, weir traps, etc.)
- Fish passage facilities (including fish ladders and juvenile fish bypasses)
- PTAGIS instream remote detection facilities*

* Note that not all PTAGIS sites are depicted in this dataset.

We strive for accuracy and completeness, but expect that improvements to the dataset can be made. If you have any corrections, additions, suggestions, or concerns, please contact gis@psmfc.org

Credits

PSMFC GIS, StreamNet, PTAGIS, RMPC

Use limitations

The data represented in this dataset vary in currentness, accuracy, scale, completeness, and extent of coverage, and have been contributed from various sources. We highly recommend reviewing available metadata prior to interpreting these data. Inclusion in the dataset does not mean that the facility is currently active. These data change frequently, so please check for updates to this dataset before using them.

Extent

West -125 **East** -108
North 53 **South** 32

Scale Range

Maximum (zoomed in) 1:5,000
Minimum (zoomed out) 1:625,000

ArcGIS Metadata ►

Topics and Keywords ►

THEMES OR CATEGORIES OF THE RESOURCE inlandWaters, biota, environment

* CONTENT TYPE Downloadable Data

EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

PLACE KEYWORDS Columbia River Basin, Columbia River Watershed, Washington, Oregon, Idaho, Montana, Wyoming, British Columbia

THESAURUS'S LANGUAGE English (UNITED STATES)

THEME KEYWORDS aquatic species, fish, anadromous fish, hatchery, migration

THESAURUS'S LANGUAGE English (UNITED STATES)

THESAURUS ►

TITLE Oregon Geospatial Enterprise Office Bioscience Thesaurus

COLLECTION TITLE Oregon Metadata Keyword Thesaurus

RESOURCE LOCATION ONLINE

LOCATION <http://www.oregon.gov/geo/Pages/thesaurus.aspx#bioscience>

NAME Thesaurus Bioscience Keywords

[Hide Thesaurus ▲](#)

THEME KEYWORDS dam, fish hatchery, fish ladder, pond, river, stream, streams, weir

THESAURUS'S LANGUAGE English (UNITED STATES)

THESAURUS ►

TITLE Oregon Geospatial Enterprise Office Hydrography Thesaurus

COLLECTION TITLE Oregon Metadata Keyword Thesaurus

RESOURCE LOCATION ONLINE

LOCATION <http://www.oregon.gov/geo/Pages/thesaurus.aspx#hydrography>

NAME Thesaurus Hydrography

[Hide Thesaurus ▲](#)

[Hide Topics and Keywords ▲](#)

Citation ►

TITLE Columbia Basin Fish Facilities

CREATION DATE 2014-11-03 00:00:00

PUBLICATION DATE 2016-05-31 00:00:00

REVISION DATE 2023-01-25 00:00:00

EDITION 1.25

EDITION DATE 2023-01-25

PRESENTATION FORMATS digital map

FGDC GEOSPATIAL PRESENTATION FORMAT vector digital data

[Hide Citation ▲](#)

Citation Contacts ►

RESPONSIBLE PARTY

INDIVIDUAL'S NAME GIS Staff

ORGANIZATION'S NAME Pacific States Marine Fisheries Commission

CONTACT'S POSITION GIS Staff

CONTACT'S ROLE originator

CONTACT INFORMATION ►

PHONE

VOICE 503-595-3100

ADDRESS

TYPE

DELIVERY POINT 205 SE Spokane St., Suite 100

CITY Portland

ADMINISTRATIVE AREA OR

POSTAL CODE 97202

COUNTRY US

E-MAIL ADDRESS gis@psmfc.org

[Hide Contact information ▲](#)

[Hide Citation Contacts ▲](#)

Resource Details ►

DATASET LANGUAGES English (UNITED STATES)
 DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

STATUS on-going
 SPATIAL REPRESENTATION TYPE vector

PROCESSING ENVIRONMENT ArcGIS Pro 3.0.3

CREDITS
 PSMFC GIS, StreamNet, PTAGIS, RMPC

ARCGIS ITEM PROPERTIES
 * NAME Columbia_Basin_Fish_Facilities_Vers_1_25
 * LOCATION file:///\\psmfc.org\shares\GIS\GIS_DataPublishing\ColumbiaBasin_FishFacilities\Columbia_Basin_Fish_Facilities.gdb
 * ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

Extents ►

EXTENT
 DESCRIPTION
 This dataset is currently only available for the Columbia River Basin.

GEOGRAPHIC EXTENT
 BOUNDING RECTANGLE
 WEST LONGITUDE -125
 EAST LONGITUDE -108
 SOUTH LATITUDE 32
 NORTH LATITUDE 53
 EXTENT CONTAINS THE RESOURCE Yes

TEMPORAL EXTENT
 BEGINNING DATE 1990-01-01 00:00:00
 ENDING DATE 2023-01-20 00:00:00

EXTENT
 GEOGRAPHIC EXTENT
 BOUNDING RECTANGLE
 EXTENT TYPE Extent used for searching
 WEST LONGITUDE -125
 EAST LONGITUDE -108
 NORTH LATITUDE 53
 SOUTH LATITUDE 32

EXTENT IN THE ITEM'S COORDINATE SYSTEM
 * WEST LONGITUDE -123.966928
 * EAST LONGITUDE -110.484267
 * SOUTH LATITUDE 41.999377
 * NORTH LATITUDE 52.078504
 * EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

Resource Points of Contact ►

POINT OF CONTACT
 INDIVIDUAL'S NAME GIS Staff
 ORGANIZATION'S NAME Pacific States Marine Fisheries Commission
 CONTACT'S POSITION GIS Staff
 CONTACT'S ROLE originator

CONTACT INFORMATION ►
 PHONE
 VOICE 503-595-3100
 ADDRESS
 TYPE both
 DELIVERY POINT 205 SE Spokane St., Suite 100
 CITY Portland
 ADMINISTRATIVE AREA OR
 POSTAL CODE 97202
 COUNTRY US
 E-MAIL ADDRESS gis@psmfc.org

[Hide Contact information ▲](#)

[Hide Resource Points of Contact ▲](#)

Resource Maintenance ►

RESOURCE MAINTENANCE

DATE OF NEXT UPDATE 2023-04-03 00:00:00
 UPDATE FREQUENCY quarterly

OTHER MAINTENANCE REQUIREMENTS

These data will be updated as needed, with an emphasis on supporting the needs of PSMFC Programs and their partners. If you have additional data to add to this dataset or would like to request change to an existing record, please e-mail us at gis@psmfc.org

MAINTENANCE CONTACT

INDIVIDUAL'S NAME GIS Staff
 ORGANIZATION'S NAME Pacific States Marine Fisheries Commission
 CONTACT'S POSITION GIS Staff
 CONTACT'S ROLE originator

CONTACT INFORMATION ►

PHONE
 VOICE 503-595-3100

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TYPE both
 DELIVERY POINT 205 SE Spokane St., Suite 100
 CITY Portland
 ADMINISTRATIVE AREA OR
 POSTAL CODE 97202
 COUNTRY US
 E-MAIL ADDRESS gis@psmfc.org

[Hide Contact information ▲](#)

[Hide Resource Maintenance ▲](#)

Resource Constraints ►

CONSTRAINTS

LIMITATIONS OF USE

The data represented in this dataset vary in currentness, accuracy, scale, completeness, and extent of coverage, and have been contributed from various sources. We highly recommend reviewing available metadata prior to interpreting these data. Inclusion in the dataset does not mean that the facility is currently active. These data change frequently, so please check for updates to this dataset before using them.

[Hide Resource Constraints ▲](#)

Spatial Reference ►

ARCGIS COORDINATE SYSTEM

* TYPE Geographic
 * GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1983

* COORDINATE REFERENCE DETAILS

GEOGRAPHIC COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 4269

X ORIGIN -400

Y ORIGIN -400

XY SCALE 999999999.99999988

Z ORIGIN -100000

Z SCALE 10000

M ORIGIN -100000

M SCALE 10000

XY TOLERANCE 8.983152841195215e-09

Z TOLERANCE 0.001

M TOLERANCE 0.001

HIGH PRECISION true

LEFT LONGITUDE -180

LATEST WELL-KNOWN IDENTIFIER 4269

WELL-KNOWN TEXT GEOGCS["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID
 ["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433],AUTHORITY
 ["EPSG",4269]]

REFERENCE SYSTEM IDENTIFIER

DIMENSION horizontal

VALUE 3857

* CODESPACE EPSG

* VERSION 6.12(3.0.1)

[Hide Spatial Reference ▲](#)

Spatial Data Properties ►

VECTOR ►

* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME Columbia_Basin_Fish_Facilities_Vers_1_25

* OBJECT TYPE point

* OBJECT COUNT 1818

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME Columbia_Basin_Fish_Facilities_Vers_1_25

* FEATURE TYPE Simple

* GEOMETRY TYPE Point

* HAS TOPOLOGY FALSE

* FEATURE COUNT 1818

* SPATIAL INDEX TRUE

* LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

Data Quality ►

SCOPE OF QUALITY INFORMATION ►

RESOURCE LEVEL dataset

[Hide Scope of quality information ▲](#)

DATA QUALITY REPORT - CONCEPTUAL CONSISTENCY ►

DIMENSION horizontal

MEASURE DESCRIPTION

The locations depicted in this dataset are generally located at or near the middle of the facility. Some of these facilities are large, such as hatchery complexes, and thus some points are located at the estimated middle of the facility, or the main facility office, if known. Sites for instream facilities are located coincident with StreamNet's Mixed Scale Hydrography, whenever possible. The association with streams (LocationID and MEAS fields) are generally not used for "snapping" facility locations, but are meant to associate the site with a stream in StreamNet's Mixed Scale Hydrography. This association is maintained for reporting and descriptive purposes only and should not be used to locate the facility on the hydrography.

[Hide Data quality report - Conceptual consistency ▲](#)

DATA QUALITY REPORT - COMPLETENESS OMISSION ►

MEASURE DESCRIPTION

Only facilities within the Columbia Basin for which 'FacStatus' = "open" are contained in this version of the dataset (besides for Decommission/Removed dams). For the entire dataset, including 'FacStatus' = "proposed", 'FacStatus' = "closed", OR 'FacStatus' = "removed from dataset" please contact gis@psmfc.org

[Hide Data quality report - Completeness omission ▲](#)

[Hide Data Quality ▲](#)

Lineage ►

LINEAGE STATEMENT

Sources for these point data came primarily from Programs within Pacific States Marine Fisheries Commission, including StreamNet, PTAGIS, and RMPC/RMIS, and their various state and federal partners. Additional sites were determined by searching online, looking through other related datasets, and by subdividing existing sites into multiple sites. Locations were checked and, in some cases, modified to more closely match available imagery and/or regional hydrography, as appropriate. Facility Names were checked and modified for consistency. An Alternate Facility Name is used to capture previously used names or other commonly used names for facilities. Facility locations were then categorized by facility type and additional fields and attributes were added to track connections to PSMFC's programs and to link to internal and external websites. Associations with the StreamNet's regional hydrography have been made, where appropriate, for linkages to other data associated with the stream.

PROCESS STEP ►

WHEN THE PROCESS OCCURRED 2014-11-03 00:00:00

DESCRIPTION

All dams and hatchery facilities from StreamNet were combined into a single dataset and filtered to include only those within the Columbia River Basin. All locations were checked for positional accuracy and, in some cases, moved to the correct location. Fields "HATCHID" and "DAMID" were added to the dataset to track the lineage from StreamNets Hatchery and Dam datasets, respectively. Dams which were determined to be more accurately represented as barriers were removed from the dataset.

[Hide Process step ▲](#)

PROCESS STEP ►

WHEN THE PROCESS OCCURRED 2014-11-03 00:00:00

DESCRIPTION

Site location information was obtained from the Columbia Basin PIT Tag Information System (PTAGIS). The PTAGIS sites meeting the definition of a "fish facility" were cross-checked with facilities from StreamNet and added to the dataset if they were not already present. Fields "PTAGIS_IntSiteCode" and "PTAGIS_MRRSiteCode" were added to track which PTAGIS sites are associated with a facility.

SOURCE DATA ►

DESCRIPTION

PTAGIS Interrogation Sites

[Hide Source data ▲](#)

SOURCE DATA ►

DESCRIPTION

PTAGIS Mark, Recapture and Recovery Sites

[Hide Source data ▲](#)[Hide Process step ▲](#)

PROCESS STEP ►

WHEN THE PROCESS OCCURRED 2014-11-03 00:00:00

DESCRIPTION

All locations were snapped or associated with StreamNet regional hydrography (LLID/LocationID and MEAS), as appropriate.

[Hide Process step ▲](#)

PROCESS STEP ►

WHEN THE PROCESS OCCURRED 2017-01-06 00:00:00

DESCRIPTION

The dataset was run through a Model in ArcCatalog which adds various fields to the dataset from other sources. Information added to the dataset in the model include County Name, State Name, stream name and tributary to name, watershed information from the Watershed Boundary Dataset, amongst others. "N/A" is also added to some NULL values in order to create more informative attribute pop-up windows.

[Hide Process step ▲](#)

PROCESS STEP ►

WHEN THE PROCESS OCCURRED 2017-03-28 00:00:00

DESCRIPTION

Locations were reviewed relative to known fish species distribution, especially anadromous species and interior trout. Those dams which were not located near streams/rivers with these species were removed from the published version of the dataset.

RATIONALE

The intent of filtering out dams which are not pertinent to select species is to provide a more focused layer for fishery managers and other users.

[Hide Process step ▲](#)

SOURCE DATA ►

DESCRIPTION

Regional Mark Processing Center (RMPC) data from the Regional Mark Information System (RMIS). <http://www.rmipc.org/>

[Hide Source data ▲](#)

SOURCE DATA ►

DESCRIPTION

StreamNet Dams (<http://www.streamnet.org/>)

[Hide Source data ▲](#)

SOURCE DATA ►

DESCRIPTION

StreamNet Hatcheries (<http://www.streamnet.org/>)[Hide Source data ▲](#)

SOURCE DATA ►

DESCRIPTION

Columbia Basin PIT Tag Information System (PTAGIS) MRR INT Sites (<http://www.ptagis.org/>)[Hide Source data ▲](#)[Hide Lineage ▲](#)**Distribution ►**

DISTRIBUTOR ►

CONTACT INFORMATION

INDIVIDUAL'S NAME GIS Staff

ORGANIZATION'S NAME Pacific States Marine Fisheries Commission

CONTACT'S POSITION GIS Staff

CONTACT'S ROLE originator

CONTACT INFORMATION ►

PHONE

VOICE 503-595-3100

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TYPE both

DELIVERY POINT 205 SE Spokane St., Suite 100

CITY Portland

ADMINISTRATIVE AREA OR

POSTAL CODE 97202

COUNTRY US

E-MAIL ADDRESS gis@psmfc.org[Hide Contact information ▲](#)

TRANSFER OPTIONS

UNITS OF DISTRIBUTION MB

TRANSFER SIZE 3.1

ONLINE SOURCE

LOCATION https://maps.psmfc.org/server/rest/services/Fish_Facilities/Fish_Facilities_Columbia_Basin/MapServer

ACCESS PROTOCOL Esri REST API

NAME Columbia Basin Fish Facilities

DESCRIPTION This layer shows the locations of facilities used for fisheries management or passage within the Columbia River basin.

FUNCTION PERFORMED information

ONLINE SOURCE

LOCATION <https://psmfc.sharefile.com/d-sb5a01fa024b40739>

ACCESS PROTOCOL ShareFile download link* - Esri File Geodatabase (zipped)

NAME Columbia Basin Fish Facilities

DESCRIPTION This layer shows the locations of facilities used for fisheries management or passage within the Columbia River basin.

*Email and name required for download.

FUNCTION PERFORMED download

APPLICATION PROFILE 10.7

ONLINE SOURCE

LOCATION <https://psmfc.maps.arcgis.com/apps/webappviewer/index.html?id=2381a6f4edb2474e860950c38088c819>

ACCESS PROTOCOL Web mapping application (https)

NAME Columbia Basin Fish Facilities

DESCRIPTION Mapping application showing the locations of facilities used for fisheries management or passage within the Columbia River basin.

FUNCTION PERFORMED information

[Hide Distributor ▲](#)

DISTRIBUTION FORMAT

FILE DECOMPRESSION TECHNIQUE zip file software

VERSION 10.7
 * NAME File Geodatabase Feature Class

[Hide Distribution ▲](#)

Fields ►

DETAILS FOR OBJECT [Columbia_Basin_Fish_Facilities_Vers_1_25 ►](#)

* TYPE Feature Class
 * ROW COUNT 1818

DEFINITION

A fixed or semi-fixed location where fish are managed, counted or passed, and generally where there is at least one record in a Pacific States Marine Fisheries Commission database.

DEFINITION SOURCE

PSMFC GIS Center

FIELD [LocationID ►](#)

* ALIAS LocationID
 * DATA TYPE String
 * WIDTH 13
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

This is the Unique Identifier for the whole-stream assigned and managed by the StreamNet partnership. The ID is assigned based on the 'LLID' system where the first 7 digits of the stream mouth's longitude are concatenated with the first 6 digits of the stream mouth's latitude to create a 13 character string ID that uniquely identifies the stream. It is important to note the method of using coordinates to derive the ID is only intended to ensure the uniqueness of the original ID assignment. It is not intended to be a 'smart code' and does NOT change if the location of the stream mouth differs through time. See the LLIDSrc field to determine which agency assigned the LLID for a given stream. NOTE: StreamNet's Location Referencing System requires that the LocationID Identifier be unique across all watercourse, waterbody and point location features. It serves as the unique ID for georeferencing fish data across all topologies.

DESCRIPTION SOURCE

StreamNet

DESCRIPTION OF VALUES

This field is a 13-string text field which contains unique IDs for streams.

[Hide Field LocationID ▲](#)

FIELD [FacName ►](#)

* ALIAS Facility Name
 * DATA TYPE String
 * WIDTH 255
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

The common or official name of the facility.

DESCRIPTION SOURCE

PSMFC GIS Center

DESCRIPTION OF VALUES

The values in this field represent the official or common name of the facility and thus cannot be represented by a domain.

[Hide Field FacName ▲](#)

FIELD [Longitude ►](#)

* ALIAS Longitude
 * DATA TYPE Double
 * WIDTH 8
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

Longitude (in NAD 83 decimal degrees) of the facility, as calculated in ArcMap.

DESCRIPTION SOURCE

PSMFC GIS Center

RANGE OF VALUES

MINIMUM VALUE -125
 MAXIMUM VALUE -108
 UNITS OF MEASURE degrees

[Hide Field Longitude ▲](#)

FIELD DAMID ►

* ALIAS DAMID
 * DATA TYPE Integer
 * WIDTH 4
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

StreamNet DamID, as described in their Data Exchange Standard (DES). See <http://www.streamnet.org/> for more information.

DESCRIPTION SOURCE

StreamNet

RANGE OF VALUES

MINIMUM VALUE 1
 MAXIMUM VALUE 100000

[Hide Field DAMID ▲](#)

FIELD HatchID ►

* ALIAS HatchID
 * DATA TYPE SmallInteger
 * WIDTH 2
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

StreamNet HatcheryID, as described in the StreamNet Data Exchange Standard (DES). See <http://www.streamnet.org/> for more information.

DESCRIPTION SOURCE

StreamNet

RANGE OF VALUES

MINIMUM VALUE 1
 MAXIMUM VALUE 6000

ENDING DATE OF VALUES 2014-12-01

[Hide Field HatchID ▲](#)

FIELD ShortLabel ►

* ALIAS Short Label
 * DATA TYPE String
 * WIDTH 180
 * PRECISION 0
 * SCALE 0

[Hide Field ShortLabel ▲](#)

FIELD FacType ►

* ALIAS Facility Type
 * DATA TYPE SmallInteger
 * WIDTH 2
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

This attribute designates the general type of fish facility. Note that the field FacSubType (Facility SubType) is used to further subdivide types of facilities.

DESCRIPTION SOURCE

PSMFC GIS Center

LIST OF VALUES

VALUE 4
 DESCRIPTION fish passage facility
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

VALUE 2
 DESCRIPTION dam
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

VALUE 1
 DESCRIPTION hatchery
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

VALUE 5
 DESCRIPTION PIT tag detection site
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

VALUE 3
 DESCRIPTION fish trap
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

[Hide Field FacType ▲](#)

FIELD **FacStatus** ▶

* ALIAS Status
 * DATA TYPE SmallInteger
 * WIDTH 2
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

This attribute designates the current status of the facility. Options are: closed (0), open (1), proposed (2), and removed from dataset (3). Note that we have assumed each facility is active/open unless there is information to the contrary. Please contact gis@psmfc.org to update the status of facilities in this dataset.

DESCRIPTION SOURCE
 PSMFC GIS Center

LIST OF VALUES

VALUE 3
 DESCRIPTION removed from dataset
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

VALUE 2
 DESCRIPTION proposed
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

VALUE 0
 DESCRIPTION closed
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

VALUE 1
 DESCRIPTION open
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

[Hide Field FacStatus ▲](#)

FIELD **SHAPE** ▶

* ALIAS Shape
 * DATA TYPE Geometry
 * WIDTH 0
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

Feature geometry.

DESCRIPTION SOURCE
 Esri

DESCRIPTION OF VALUES
 Coordinates defining the features.

[Hide Field SHAPE ▲](#)

FIELD **AR_Type** ▶

* ALIAS Acclimation Relase Site Type
 * DATA TYPE SmallInteger
 * WIDTH 2
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

A subdivision of acclimation and/or release sites, based on the type of release location.

DESCRIPTION SOURCE
 PSMFC GIS Center

LIST OF VALUES

VALUE 2
 DESCRIPTION natural pond(s)
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

VALUE 1
 DESCRIPTION artificial pond(s)
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

VALUE 4
 DESCRIPTION other

ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

VALUE 5

DESCRIPTION N/A

ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

VALUE 3

DESCRIPTION net pen(s)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

Hide Field AR_Type ▲

FIELD FacComment ►

* ALIAS Facility Comments

* DATA TYPE String

* WIDTH 255

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Notes related to the facility location, history and/or status.

DESCRIPTION SOURCE

PSMFC GIS Center

Hide Field FacComment ▲

FIELD MEAS ►

* ALIAS MEAS

* DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

The measurement (in feet) from the mouth of the stream, as measured from StreamNet's regional mixed-scale hydrography (vers. 3.1). Note that most locations are simply associated with this stream and measurement, as they are not located directly on the hydrography, but are associated with the stream for reporting and analysis purposes.

DESCRIPTION SOURCE

PSMFC GIS Center

RANGE OF VALUES

MINIMUM VALUE 0

MAXIMUM VALUE 6500000

UNITS OF MEASURE foot

MEASUREMENT FREQUENCY as needed

Hide Field MEAS ▲

FIELD Latitude ►

* ALIAS Latitude

* DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Latitude (in NAD 83 decimal degrees) of the facility, as calculated in ArcMap.

DESCRIPTION SOURCE

PSMFC GIS Center

RANGE OF VALUES

MINIMUM VALUE 32

MAXIMUM VALUE 53

UNITS OF MEASURE degrees

Hide Field Latitude ▲

FIELD RMIS_CODE ►

* ALIAS RMIS Code

* DATA TYPE String

* WIDTH 100

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

A crosswalk for the Regional Mark Information System (RMIS) site codes. See <http://www.rmpc.org/> for more information.

DESCRIPTION SOURCE

RMIS

DESCRIPTION OF VALUES

This field contains text codes, so it cannot be represented by a domain.

[Hide Field RMIS_CODE ▲](#)

FIELD StateDamID ►

* ALIAS State DamID
 * DATA TYPE String
 * WIDTH 50
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

DamID used by states to uniquely identify the dam, usually based on the National Inventory of Dams ID.

DESCRIPTION SOURCE

PSMFC GIS Center

[Hide Field StateDamID ▲](#)

FIELD DataStream ►

* ALIAS Data Stream
 * DATA TYPE String
 * WIDTH 255
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

A website URL containing live or recently updated data pertaining to the facility. The related field "DataStream_Type" contains the type and/or source of data stream.

DESCRIPTION SOURCE

PSMFC GIS Center

[Hide Field DataStream ▲](#)

FIELD DS_Type ►

* ALIAS Data Stream Type
 * DATA TYPE String
 * WIDTH 50
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

Description of the type of information available in through the link in the field "Data_Stream". Example: "fish counts - FPC"

DESCRIPTION SOURCE

PSMFC GIS Center

[Hide Field DS_Type ▲](#)

FIELD DS2 ►

* ALIAS Data Stream2
 * DATA TYPE String
 * WIDTH 255
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

A (secondary) website URL containing live or recently updated data pertaining to the facility. The related field "DataStream_Type2" contains the type and/or source of data stream.

DESCRIPTION SOURCE

PSMFC GIS Center

[Hide Field DS2 ▲](#)

FIELD DS2_Type ►

* ALIAS Data Stream2 Type
 * DATA TYPE String
 * WIDTH 50
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

Description of the type of information available in through the link in the field "Data_Stream2". Example: "fish counts - FPC"

DESCRIPTION SOURCE

PSMFC GIS Center

[Hide Field DS2_Type ▲](#)

FIELD Wiki_URL ►

* ALIAS Wikipedia URL
 * DATA TYPE String
 * WIDTH 255
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

A URL linking to the Wikipedia website for the facility, if available. Generally this is only available for larger dams and some hatchery facilities.

DESCRIPTION SOURCE

PSMFC GIS Center

[Hide Field Wiki_URL ▲](#)

FIELD FacSubType ►

* ALIAS Facility SubType
 * DATA TYPE SmallInteger
 * WIDTH 2
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

This attribute further subdivides the type of facility beyond the general Facility Type (FacType).

DESCRIPTION SOURCE

PSMFC GIS Center

LIST OF VALUES

VALUE 302

DESCRIPTION fish collection facility - facility used to collect fish for transport upstream or downstream

ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

VALUE 201

DESCRIPTION dam (dam within 1/2 mile from current anadromous distribution, and not a major dam)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

VALUE 304

DESCRIPTION hatchery ladder/trap - used to capture adult fish returning to hatchery facilities

ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

VALUE 100

DESCRIPTION hatchery: main hatchery facilities and/or facilities raising fish from eggs

ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

VALUE 500

DESCRIPTION PTAGIS Instream Remote Detection Site

ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

VALUE 200

DESCRIPTION major dam (large dams, categorized for carographic purposes - originally based on the widely used map "Pacific Northwest Reservoir System")

ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

VALUE 303

DESCRIPTION other trap - catch-all category for all other types of fish traps

ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

VALUE 202

DESCRIPTION other dam (dam outside of 1/2 mile from current anadromous distribution, and not a major dam)

ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

VALUE 401

DESCRIPTION juvenile fish bypass

ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

VALUE 101

DESCRIPTION acclimation and/or release site

ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

VALUE 300

DESCRIPTION screw trap

ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

VALUE 400

DESCRIPTION fish ladder

ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

VALUE 301

DESCRIPTION weir trap

ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

Hide Field FacSubType ▲

FIELD WikiURLType ►

* ALIAS Wiki URL Type
 * DATA TYPE String
 * WIDTH 50
 * PRECISION 0
 * SCALE 0

Hide Field WikiURLType ▲

FIELD FacURLType ►

* ALIAS Facility URL Type
 * DATA TYPE String
 * WIDTH 100
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

A descriptive field indicating the source of the link in the Facility URL/Fac_URL field (for use in formatting pop-ups in webmaps).

DESCRIPTION SOURCE

PSMFC GIS Center

Hide Field FacURLType ▲

FIELD FPC_HC ►

* ALIAS FPC Hatchery Code
 * DATA TYPE String
 * WIDTH 10
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

Crosswalk for "HatcheryCode" from the Fish Passage Center, as described @ http://www.fpc.org/documents/metadata/FPC_Hatchery_Metadata.html

DESCRIPTION SOURCE

Fish Passage Center

Hide Field FPC_HC ▲

FIELD FPC_RSC ►

* ALIAS FPC Release Site Code
 * DATA TYPE String
 * WIDTH 10
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

Crosswalk for "RelSiteCode" from the Fish Passage Center, as described @ http://www.fpc.org/documents/metadata/FPC_Hatchery_Metadata.html

DESCRIPTION SOURCE

Fish Passage Center

Hide Field FPC_RSC ▲

FIELD FPC_FC_URL ►

* ALIAS FPC Fish Count URL
 * DATA TYPE String
 * WIDTH 255
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

The URL of the website showing live or recently updated fish count data for the facility from the Fish Passage Center.

DESCRIPTION SOURCE

Fish Passage Center

Hide Field FPC_FC_URL ▲

FIELD PTAGIS_INT ►

* ALIAS PTAGIS Int Site Code
 * DATA TYPE String
 * WIDTH 3
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

A crosswalk for PTAGIS Interrogation Site Codes. See <http://www.ptagis.org/sites/interrogation-site-metadata> for more information.

DESCRIPTION SOURCE
PTAGIS

Hide Field PTAGIS_INT ▲

FIELD **PTAGIS_MRR** ►

* ALIAS PTAGIS MRR Site Code
* DATA TYPE String
* WIDTH 10
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

A crosswalk for PTAGIS Mark/Recapture/Recovery (MRR) Site Codes. See <http://www.ptagis.org/sites/mrr-site-metadata> for more information.

DESCRIPTION SOURCE
PTAGIS

Hide Field PTAGIS_MRR ▲

FIELD **FacID** ►

* ALIAS Facility ID
* DATA TYPE Integer
* WIDTH 4
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

The unique and primary key for the Fish Facility dataset. There are value ranges for each type of facility (FacType): 1 - 999 = Hatcheries 20,000 - 29,999 = Dams 30,000 - 39,999 = Fish Traps 40,000 - 49,999 = Fish Passage Facilities 50,000 - 59,999 = PTAGIS Instream Detection Sites

DESCRIPTION SOURCE
PSMFC GIS Center

LIST OF VALUES

VALUE 1 - 999

DESCRIPTION Hatchery

ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

VALUE 20,000 - 29,999

DESCRIPTION Dam

ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

VALUE 30,000 - 39,999

DESCRIPTION Fish Trap

ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

VALUE 40,000 - 49,999

DESCRIPTION Fish Passage Facility

ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

VALUE 50,000 - 59,999

DESCRIPTION PTAGIS Instream Detection Site

ENUMERATED DOMAIN VALUE DEFINITION SOURCE PSMFC GIS Center

Hide Field FacID ▲

FIELD **FPC_Code** ►

* ALIAS FPC Code
* DATA TYPE String
* WIDTH 5
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

(not published)

DESCRIPTION SOURCE
PSMFC GIS Center

Hide Field FPC_Code ▲

FIELD **ColBasin** ►

* ALIAS Columbia Basin
* DATA TYPE SmallInteger
* WIDTH 2
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Flag for presence of the feature within Columbia Basin (not published).

DESCRIPTION SOURCE
PSMFC GIS Center

Hide Field ColBasin ▲

FIELD **Fac_URL** ►

* ALIAS Facility URL
* DATA TYPE String
* WIDTH 255
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

The official or semi-official website for the facility.

DESCRIPTION SOURCE
PSMFC GIS Center

DESCRIPTION OF VALUES

This field contains URLs, so it cannot be represented by a domain.

Hide Field Fac_URL ▲

FIELD **FacAltName** ►

* ALIAS Alternate Name
* DATA TYPE String
* WIDTH 255
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

A secondary name for the facility. This field can contain previously used Facility Names as well as names used by other agencies.

DESCRIPTION SOURCE
PSMFC GIS Center

DESCRIPTION OF VALUES
N/A

Hide Field FacAltName ▲

FIELD **OBJECTID** ►

* ALIAS OBJECTID
* DATA TYPE OID
* WIDTH 4
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Internal feature number.

DESCRIPTION SOURCE
Esri

DESCRIPTION OF VALUES

Sequential unique whole numbers that are automatically generated.

Hide Field OBJECTID ▲

FIELD **FacAngle** ►

* ALIAS FacAngle
* DATA TYPE SmallInteger
* WIDTH 2
* PRECISION 0
* SCALE 0

Hide Field FacAngle ▲

FIELD **CreateDate** ►

* ALIAS Create Date
* DATA TYPE Date
* WIDTH 8
* PRECISION 0
* SCALE 0

[Hide Field CreateDate ▲](#)

FIELD [EditDate ▶](#)

* ALIAS Edit Date
 * DATA TYPE Date
 * WIDTH 8
 * PRECISION 0
 * SCALE 0

[Hide Field EditDate ▲](#)

FIELD [YearRemove ▶](#)

ALIAS Year Removed
 * DATA TYPE SmallInteger
 WIDTH 4
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

The year in which the facility was removed or decommissioned. This field is most often used to indicate the year of a dam's removal or decommissioning.

DESCRIPTION SOURCE

PSMFC GIS

RANGE OF VALUES

MINIMUM VALUE 1916
 MAXIMUM VALUE 2025

[Hide Field YearRemove ▲](#)

FIELD [County ▶](#)

* ALIAS County Name
 * DATA TYPE String
 * WIDTH 255
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

The name of the US County which the facility is located in.

DESCRIPTION SOURCE

PSMFC

[Hide Field County ▲](#)

FIELD [StateProv ▶](#)

* ALIAS State Province Name
 * DATA TYPE String
 * WIDTH 35
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

The name of the US State or Canadian Province the facility is located in.

DESCRIPTION SOURCE

PSMFC

[Hide Field StateProv ▲](#)

FIELD [HUC12 ▶](#)

* ALIAS HUC12
 * DATA TYPE String
 * WIDTH 12
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

12-digit subwatershed code for the facility

DESCRIPTION SOURCE

Watershed Boundary Dataset

[Hide Field HUC12 ▲](#)

FIELD [HUC12_Name ▶](#)

ALIAS HUC12 Name
 * DATA TYPE String
 * WIDTH 120
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

The name of the HUC12 subwatershed the facility is located within.

DESCRIPTION SOURCE

Watershed Boundary Dataset

[Hide Field HUC12_Name ▲](#)

FIELD HUC8 ►

* ALIAS HUC8
 * DATA TYPE String
 * WIDTH 8
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

The 8-digit subbasin code for the facility

DESCRIPTION SOURCE

Watershed Boundary Dataset

[Hide Field HUC8 ▲](#)

FIELD HUC8_Name ►

* ALIAS HUC8 Name
 * DATA TYPE String
 * WIDTH 255
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

The name of the HUC8 subbasin the facility is located within.

DESCRIPTION SOURCE

Watershed Boundary Dataset

[Hide Field HUC8_Name ▲](#)

FIELD StreamName ►

* ALIAS Stream Name
 * DATA TYPE String
 * WIDTH 100
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

The name of the stream which the facility is located on, or associated with.

DESCRIPTION SOURCE

StreamNet MSHv3.1 Hydrography

[Hide Field StreamName ▲](#)

FIELD TribToName ►

* ALIAS TribToName
 * DATA TYPE String
 * WIDTH 60
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

The next downstream stream/river from the stream which the facility is located on or associated with.

DESCRIPTION SOURCE

StreamNet MSHv3.1 Hydrography

[Hide Field TribToName ▲](#)

FIELD Shape_Length_1 ►

* ALIAS Shape_Length
 * DATA TYPE Double
 * WIDTH 8
 * PRECISION 0
 * SCALE 0

[Hide Field Shape_Length_1 ▲](#)

FIELD Shape_Area_1 ►

* ALIAS Shape_Area
 * DATA TYPE Double
 * WIDTH 8
 * PRECISION 0

* SCALE 0

[Hide Field Shape_Area_1 ▲](#)

FIELD **StTribName** ►

* ALIAS Stream and Trib Name

* DATA TYPE String

* WIDTH 255

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

The stream which the facility is located on or associated with, and the next downstream stream/river.

DESCRIPTION SOURCE

StreamNet MSHv3.1 Hydrography

[Hide Field StTribName ▲](#)

FIELD **Fac_Info** ►

ALIAS Facility Information

DATA TYPE String

WIDTH 255

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

The name of the information document for the facility. See "FacInfoURL" for the link to the document.

DESCRIPTION SOURCE

PSMFC GIS

CODED VALUES

NAME OF CODELIST BPA Hatchery Assessment Report

SOURCE PSMFC GIS

[Hide Field Fac_Info ▲](#)

FIELD **FacInfoURL** ►

ALIAS Facility Info URL

DATA TYPE String

WIDTH 255

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

The URL for the information document for the facility. See "Fac_Info" for the type of document or information source.

DESCRIPTION SOURCE

PSMFC GIS

DESCRIPTION OF VALUES

The information in this field contains URL addresses, and are not able to be represented by a domain.

[Hide Field FacInfoURL ▲](#)

[Hide Details for object Columbia_Basin_Fish_Facilities_Vers_1_25 ▲](#)

[Hide Fields ▲](#)

Metadata Details ►

METADATA LANGUAGE English (UNITED STATES)

METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

METADATA IDENTIFIER E8FF0314-D0EA-4892-81E5-F5CF0F375358

SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset

SCOPE NAME *dataset

LAST UPDATE 2023-01-25

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0

METADATA STYLE ISO 19139 Metadata Implementation Specification GML3.2

STANDARD OR PROFILE USED TO EDIT METADATA ISO19139

CREATED IN ARCGIS FOR THE ITEM 2019-01-16 08:16:45

LAST MODIFIED IN ARCGIS FOR THE ITEM 2023-01-25 16:27:17

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2023-01-25 16:27:17

ITEM LOCATION HISTORY

ITEM COPIED OR MOVED 2019-01-16 08:16:45

FROM D:\GIS\Projects\PSMFC_Facility_Data\metadata\Columbia_Basin_Fish_Facilities_Metadata_working

TO

\\psmfc.org\shares\GIS\GIS_DataPublishing\ColumbiaBasin_FishFacilities\metadata\Columbia_Basin_Fish_Facilities_Metadata_working

[Hide Metadata Details ▲](#)**Metadata Contacts ►**

METADATA CONTACT

INDIVIDUAL'S NAME GIS Staff

ORGANIZATION'S NAME Pacific States Marine Fisheries Commission

CONTACT'S POSITION GIS Staff

CONTACT'S ROLE originator

CONTACT INFORMATION ►

PHONE

VOICE 503-595-3100

ADDRESS

TYPE both

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CITY Portland

ADMINISTRATIVE AREA OR

POSTAL CODE 97202

COUNTRY US

E-MAIL ADDRESS gis@psmfc.org

[Hide Contact information ▲](#)[Hide Metadata Contacts ▲](#)**Metadata Maintenance ►**

MAINTENANCE

DATE OF NEXT UPDATE 2023-04-03 00:00:00

UPDATE FREQUENCY quarterly

[Hide Metadata Maintenance ▲](#)**Metadata Constraints ►**

CONSTRAINTS

LIMITATIONS OF USE

The data represented in this dataset vary in currentness, accuracy, scale, completeness, and extent of coverage, and have been contributed from various sources. We highly recommend reviewing available metadata prior to interpreting these data. Inclusion in the dataset does not mean that the facility is currently active. These data change frequently, so please check for updates to this dataset before using them.

[Hide Metadata Constraints ▲](#)**Thumbnail and Enclosures ►**

THUMBNAIL

THUMBNAIL TYPE JPG

[Hide Thumbnail and Enclosures ▲](#)**FGDC Metadata (read-only) ▼**