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


THESAURUS'S LANGUAGE  English (UNITED STATES)

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

THESAURUS'S LANGUAGE  English (UNITED STATES)

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

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

Citation

TITLE  Columbia Basin Fish Facilities
CREATION DATE  2014-11-03 00:00:00
PUBLICATION DATE  2016-05-31 00:00:00
REVISION DATE  2020-06-30 00:00:00
EDITION  1.15
EDITION DATE  2020-06-30

PRESENTATION FORMATS  digital map
FGDC GEOSPATIAL PRESENTATION FORMAT  vector digital data

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  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
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: 2020-06-30 00:00:00

**Resource Points 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: 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

**Resource Maintenance**
- PSMFC GIS, StreamNet, PTAGIS, RMPC
RESOURCE MAINTENANCE
DATE OF NEXT UPDATE 2020-09-30 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

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

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 999996364.55916667
* Z ORIGIN -100000
Z SCALE 10000
M ORIGIN -100000
M SCALE 10000

* XY TOLERANCE 8.9831546267420293e-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)

Spatial Data Properties

VECTOR
LEVEL OF TOPOLOGY FOR THIS DATASET  geometry only

GEOMETRIC OBJECTS

* FEATURE CLASS NAME Columbia_Basin_Fish_Facilities_Vers_1_15
  * OBJECT TYPE point
  * OBJECT COUNT 1790

ARCgis Feature Class Properties

* FEATURE CLASS NAME Columbia_Basin_Fish_Facilities_Vers_1_15
  * FEATURE TYPE Simple
  * GEOMETRY TYPE Point
  * HAS TOPOLOGY FALSE
  * FEATURE COUNT 1790
  * SPATIAL INDEX TRUE
  * LINEAR REFERENCING FALSE

Data Quality

Scope of quality information

RESOURCE LEVEL dataset

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.

Data Quality Report - Completeness Omission

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

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.
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.

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

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.

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.

Regional Mark Processing Center (RMPC) data from the Regional Mark Information System (RMIS). http://www.rmpc.org/
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**: 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

**Transfer Options**
- **Units of Distribution**: MB
- **Transfer Size**: 1.4 MB

**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

**Distribution Format**
- **File Decompression Technique**: zip file software
**Fields**

**Details for Object Columbia_Basin_Fish_Facilities_Vers_1_15**

**Type** Feature Class  
**Row Count** 1790

**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
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.

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.

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

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
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 Release 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
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

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

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

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 "DataStream". 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 "DataStream2". 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
<table>
<thead>
<tr>
<th>Field</th>
<th>Alias</th>
<th>Data Type</th>
<th>Width</th>
<th>Precision</th>
<th>Scale</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
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<tr>
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<tr>
<td>FPC_HC</td>
<td>FPC Hatchery Code</td>
<td>String</td>
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<tr>
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<tr>
<td>PTAGIS_INT</td>
<td>PTAGIS Int Site Code</td>
<td>String</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

**Description:**
- **WikiURLTyp**
  - **Alias**: Wiki URL Type
  - **Data Type**: String
  - **Width**: 50
  - **Precision**: 0
  - **Scale**: 0
  - **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

- **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

- **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

- **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

- **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

- **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.
Field PTAGIS_MRR ▲

- Alias: PTAGIS MRR Site Code
- Data Type: String
- Width: 10
- Precision: 0
- Scale: 0

Field description:

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

Field FPC_Code ▲

- Alias: FPC Code
- Data Type: String
- Width: 5
- Precision: 0
- Scale: 0

Field description:
(not published)

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).
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.

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

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.

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
### 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

### Field CreateDate
- **Alias:** Create Date
- **Data Type:** Date
- **Width:** 8
- **Precision:** 0
- **Scale:** 0

### Field EditDate
- **Alias:** Edit Date
- **Data Type:** Date
- **Width:** 8
- **Precision:** 0
- **Scale:** 0

### 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

### 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

### 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

### 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

FIELD HUC8_Name ▲
* ALIAS HUC8_Name
* DATA TYPE String
* WIDTH 120
* PRECISION 0
* SCALE 0

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

DESCRIPTION SOURCE
Watershed Boundary Dataset

FIELD Shape_Length_1 ▲
* ALIAS Shape_Length
* DATA TYPE Double
* WIDTH 8
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION
The length of the facility's shape.

FIELD Shape_Area_1 ▲
* ALIAS Shape_Area
* DATA TYPE Double
* WIDTH 8
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION
The area of the facility's shape.

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

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

FIELD DESCRIPTION
The name of the downstream stream/river from the stream which the facility is located on or associated with.

DESCRIPTION SOURCE
StreamNet MSHv3.1 Hydrography

FIELD StTribName ▲
* ALIAS Stream and Trib Name
* DATA TYPE String
* WIDTH 255
* PRECISION 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

**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

**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.
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.