



A cooperative database project of the Northwest state fish and wildlife agencies,

Columbia River Inter-Tribal Fish Commission,

U.S. Fish and Wildlife Service, and

Pacific States Marine Fisheries Commission



Funded by Bonneville Power Administration through the

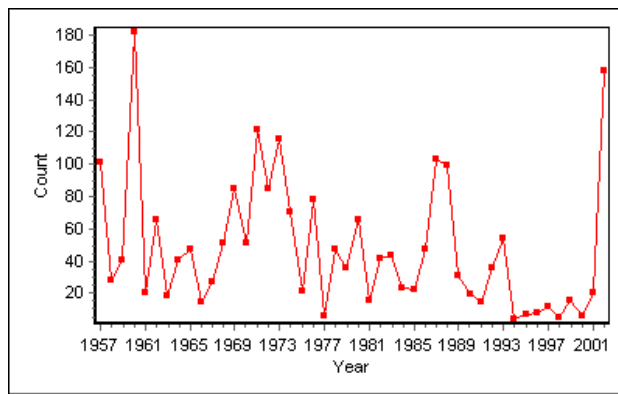
Fish and Wildlife Program, Northwest Power and Conservation Council

### What StreamNet can do for YOU!

The StreamNet project consolidates, standardizes and distributes fisheries related information from across the Columbia Basin and the Northwest.

StreamNet cooperators include the Columbia Basin state fish and wildlife agencies (ID, MT, OR, and WA), the Columbia River Inter-Tribal Fish Commission, and the U.S. Fish and Wildlife Service. The project is administered by the Pacific States Marine Fisheries Commission and is part of the Northwest Power and Conservation Council's Fish and Wildlife Program funded by the Bonneville Power Administration (BPA).

StreamNet focuses on historical and current information related to fish abundance and distribution, facilities, and other associated fisheries data. Data are acquired from the basin's management agencies and standardized into consistent formats. The data are distributed primarily through our queryable online database and several interactive map applications at [www.streamnet.org](http://www.streamnet.org). Just go to 'Fish Data' from the home page. The project also provides customized data services and mapping.



Example: Redd counts, spring Chinook salmon, Lower Catherine Cr OR

# What you can get from StreamNet

## I. Active data sets: Time-series data

These data types are available over a series of years, primarily for anadromous species:

- Spawning population estimates (where calculated)
- Abundance counts of spawners or redds
- Abundance counts at dams and weirs/traps
- Hatchery returns, including capture locations and final disposition of the fish

## II. Active data sets: Non-time-series data

- Fish distribution. Salmonids, plus game and non-game species in some areas (primarily in Montana).
- Barriers to fish movement
- Facility information (dams, hatcheries)

## III. Static / irregularly updated data sets

- NPCC's Protected Areas database.
- Photographs/images (facilities, fish species, etc.)
- Habitat restoration projects: development phase
- Spawner-recruit relationships for Columbia subbasins from Beamesderfer, et al. (1997)
- NPCC's presence/absence database from 1990 sub-basin planning Stock Summary Reports (stream size; smolt production capacity; habitat quality; habitat constraints; use type).

## IV. The Data Store (archived data sets)

The Data Store is a place to find data sets of many different types, and a place to post your data sets so that others can find them and to assure that they won't be lost over time. Some examples of data sets currently archived and available from the Data Store include:

- Status assessments for bull trout, Yellowstone cutthroat trout, and westslope cutthroat trout
- Data from NPCC Subbasin Planning
- Bathymetry, temperature, and 3-dimensional water flow velocity in Lower Granite Reservoir
- Fish passage assessment, Wallowa County, OR
- Idaho Fish and Game's general parr monitoring
- Genetic purity of Montana trout populations
- Distribution and biological effects of mine spoils in the Methow River

Items in the Data Store become available via the Geospatial One-Stop and NBII. We invite you to archive your data sets in the Data Store at [www.streamnet.org/online-data/datastore.html](http://www.streamnet.org/online-data/datastore.html).

## **V. Mapping and GIS**

StreamNet data are georeferenced to exact locations, when possible, allowing spatial queries of the database and access to data in either tabular or geographic information system (GIS) format.

GIS behind our query system allows selection of data by geographic area. Data are now accessible through four online interactive map applications. StreamNet can create custom maps in a variety of formats (i.e., images for the Internet and presentations, standard size maps, large plotter maps, etc.).

Examples of GIS data sets currently available include:

Fish distribution at 1:100,000 and 1:250,000 scales

Hydrography, PNW River Reach Files (1:100,000)

Lakes and reservoirs (1:100,000 & 1:24,000)

Water quality data - streams & lakes

Hatchery facilities (OR, WA)

Fish passage barriers

Critical habitat designations by NOAAF under ESA

## **VI. Data sets under development**

The following data types are under development at StreamNet. They are not yet available online for all areas, but many are available by request.

- Additional migration barriers
- Fish population estimates / densities
- Specific population designations
- Fish age data
- Hatchery related data from the Hatchery Scientific Review Group
- Additional data developed by tribal managers
- Data for additional species, such as resident and focal species
- We are working to migrate fish distribution and barrier data to the 1:24,000 scale hydrography

## **VII. Custom StreamNet data services**

- Complicated database queries that the online query system cannot provide and general assistance constructing and running queries
- Formatting to meet specific needs
- Providing data that are not yet available online, and help locating data at the state/tribal level and information not in StreamNet
- Custom maps
- Assistance and advice with developing database systems and data capture applications

## The StreamNet Library

The StreamNet Library houses original references for all data in the database, a large collection of agency literature related to fish and wildlife in the Columbia Basin, and many other publications useful to fisheries and aquatic systems managers and researchers. Hard copy documents are being converted to electronic format for easy download from anywhere. You can search the library at [www.fishlib.org](http://www.fishlib.org) as well as find, download and request documents from within the StreamNet online data query system.

*The library is located at the Columbia River Inter-Tribal Fish Commission, 729 N.E. Oregon, Suite 190, Portland, OR 97232-2701. (503) 736-3581.*

## Contacting StreamNet

Find contact information for all project staff and cooperators at [www.streamnet.org](http://www.streamnet.org). Call us at 503-595-3100 with questions and requests, or use the 'Feedback' links on our web pages.

