

What StreamNet can do for YOU

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

StreamNet cooperators include the four state fish and wildlife agencies (ID, MT, OR, and WA), the Columbia River Intertribal Fish Commission, the Shoshone - Bannock Tribes, and the U.S. Fish and Wildlife Service. We are administered by the Pacific States Marine Fisheries Commission and are a component of the Northwest Power Planning Council's Fish and Wildlife Program. Funding is through the Bonneville Power Administration (BPA) with additional funding from EPA and NMFS.

StreamNet focuses on historical and current information related to fish abundance and fish habitat. Data are acquired from management agencies across the basin and standardized into consistent formats. The data are distributed primarily through our queryable online database at <http://www.streamnet.org>. Just go to 'On-line Data' from the home page. The project also provides customized data services and mapping.

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 they have been calculated by management agen

cies)

- Spawning counts (indexes of abundance)
- Redd counts (counts of salmon 'nests')
- Dam counts (annual summary counts of adults passing a dam)
- Trap counts (counts of adults or smolts at a trap or weir)



- Freshwater/estuary harvest
- Marine harvest (summary of commercial landings, by port)
- Hatchery releases (primarily anadromous species)
- Hatchery returns

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

- Habitat restoration project data. This is a new data type still under development. Most data so far are for Oregon.
- Fish distribution at the 1:100,000 scale (only streams on maps of that scale). Data are complete in many areas, especially for anadromous fishes. Both game and non-game species are included in some areas (primarily in Montana).

III. Static or infrequently-updated datasets

- NWPPC's protected areas database (1989).
- NWPPC's presence/absence database from 1990's subbasin planning (stream size; smolt production capacity; habitat quality; habitat constraints; use type)
- Stock Summary Reports from 1990's subbasin planning
- Hatchery facilities

- Dam facilities
- Spawner-recruit relationships for Columbia subbasins from Petrosky, Shaller, and Beamesderfer (1995)
- Photographs and other images (facilities, fish species, etc.)
- Fish and Wildlife Program projects funded by BPA, 1978 through 1998
- Annual Implementation Work Plan information for FY2000 proposals to BPA

IV. Mapping and GIS

StreamNet data are georeferenced to exact locations, where possible, allowing distribution of data in either tabular or geographic information system (GIS) format. Data downloaded in a GIS format can be queried spatially and built into maps.

The GIS behind our query system allows users to select data by geographic area. StreamNet can create custom maps of fisheries related data, and can provide them in a variety of formats (i.e., images for the Internet and presentations, standard size maps, large plotter maps, etc.).

The following StreamNet GIS data are available for download:

- Species distribution at the 1:100,000 scale
- Species distribution at the 1:250,000 scale
- Hydrography, PNW River Reach Files (1:100,000)
- Lakes and reservoirs (1:100,000 & 1:24,000)
- Clean Water Act 303(d) impaired streams
- Water quality data - streams & lakes
- Hatchery facilities (OR, WA)
- Fish migration barrier

Hydrography

StreamNet manages and distributes the PNW reach files, a set of GIS hydrography layers containing the linework and attributes for all 1:100,000 scale streams in WA, OR, ID and western MT. StreamNet enhanced these files with a route system utilized by many Pacific Northwest users to reference stream-based data.

V. 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.

- Historic fish distribution.
- Migration barriers
- Fish population estimates / densities
- Water quality / nutrients.
- Water temperatures
- Macroinvertebrates
- Stream habitat
- Habitat restoration project information

VI. The StreamNet library

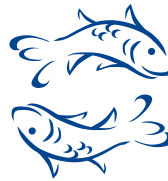
The StreamNet Library houses original references for all data in the database, plus many other publications useful to fisheries and aquatic systems managers and researchers. The StreamNet Library also houses possibly the largest collection of agency (gray) literature related to fish and wildlife in the Columbia Basin.

The library is located in Portland, OR at the Columbia River Intertribal Fish Commission offices, and can be reached by Internet from the StreamNet home page.

StreamNet data services on request

StreamNet can assist with many functions:

- Complicated database queries that the on-line query system cannot provide
- Assistance constructing and running queries
- Formatting to meet specific needs
- Providing data that are not yet available on-line
- Locating data at the state/tribal agency level
- Help with locating needed information, even if it is not in StreamNet
- Custom maps



Contacting StreamNet

Many StreamNet functions are accessible at <http://www.streamnet.org>, including contact information for all project staff and cooperators.

Request assistance, report problems or ask questions by using the 'Feedback' link at the top of each page of the StreamNet website.

Or, call us at 503-650-5400 and ask for StreamNet.



THE NORTHWEST AQUATIC INFORMATION NETWORK

... a cooperative project of the Pacific Northwest's fish and wildlife agencies and tribes.