StreamNet: The Northwest Aquatic Information Network
A Brief Project Summary
1998

Mission. StreamNet's mission is two-fold: 1) to create, maintain, and enhance high quality, regionally consistent biological data that is directly applicable to regional policy, planning, management, and research, and 2) to provide data and data services in an efficient, timely manner and in formats that meet the needs of users.

Project Administration. StreamNet is a cooperative venture of the region's fish and wildlife agencies and tribes. PSMFC manages the project, which is implemented through a partnership involving the states, CRITFC and member tribes, the Shoshone-Bannock Tribes, USFWS, and BPA. Cooperators include NMFS, USGS, EPA, and USFS.

Applications.   StreamNet data development and delivery activities are designed to meet specific F&W Program needs. StreamNet data is of use for policy, monitoring and evaluation, project tracking, long-term project planning and selection, public education, watershed planning, and mitigation project implementation.

Services.

Data Development. StreamNet prepares an annual data plan to guide data development. StreamNet maintains detailed natural and hatchery production data for salmon and steelhead including long term time series data for adult escapement, sport and marine harvest, and hatchery returns and releases. Other data includes species distribution, hatchery facilities, dams, and habitat. New initiatives include data on age, juvenile abundance, hatchery practices, and populations, and a project tracking database that will include information on F&W Program mitigation and watershed projects, as well as watershed projects initiated by others.

Data Storage and Delivery. StreamNet utilizes state-of-the-art database and GIS technology. Data can be provided in a variety of formats through the Internet, a Distributed System, FTP, and custom products. A major computer upgrade is underway. With this, sophisticated Internet delivery capabilities will be available to a wide range of F&W Program activities.

Library Services. The StreamNet Library includes materials relating to Columbia Basin anadromous fish. Emphasis is placed on "grey" literature. Services include reference, referral, database searching, inter-library lending, and document delivery.

Technical Assistance. StreamNet provides significant technical database, GIS, and data transfer support services to tribes and state fish and wildlife agencies.

Assistance to Watershed and Restoration Projects. StreamNet assists F&W Program projects by 1) providing baseline biological information, 2) providing data exchange standards and data compilation services, 3) tracking projects, 4) preparing custom data and map products, and 5) storing data and reports prepared through these projects.

Custom Products and Data Requests. StreamNet prepares a range of custom GIS maps, graphs, and data reports. We also produce an annual report depicting the status of salmon and steelhead in the Columbia Basin. Last year we responded to over 1,700 requests for data and data services.

StreamNet Uses in the Fish & Wildlife Program and Regional Aquatic Resource Management

	Exchange Formats	Data Storage	Data Compiling	Data Delivery	Custom Products	Library Services	Reports
Policy		X		X	X	X	X
Long Range Planning		X		X	X	X	X
Project Tracking	X	X	X	X	X		X
Research		X	X	X		X	X
Analysis					X		X
Monitoring Evaluation	X	X	X	X	X	X	X
Watershed Projects	X	X	X	X	X	X	
Site Projects	X	X	X				
Public Information				X	X	X	X
ESA Activities		X	X	X	X	X	
Resource Management	X	X	X	X	X	X	X

Current StreamNet Data Holdings (Available at http://www.streamnet.org)

Anadromous Fish Data Contents

State	Species Distribution	Adult Escapement	Hatchery Releases	Hatchery Returns	Freshwater Harvest	Marine Harvest	Mainstem Dam Operations
ID	✓	✓	✓	✓	✓	NA	FY 97
OR	✓	✓	✓	✓	✓	✓	FY 97
WA	✓	✓	✓	✓	✓	✓	FY 97

Other StreamNet Data

State	Reference Data	Resident Fish Distribution	NWPPC Protected Areas	USGS Flow Data	Hatchery Facilities	Dams	Habitat Data	Mitigation Project Data
ID	✓	✓	✓	✓	✓	✓	FY 97	FY 97
MT	✓	✓	✓	✓		✓	FY 97	FY 97
OR	✓	✓	✓	✓	✓	✓	FY 97	FY 97
WA	✓	✓	✓	✓	✓	✓	FY 97	FY 97