# StreamNet's Integrated Query System
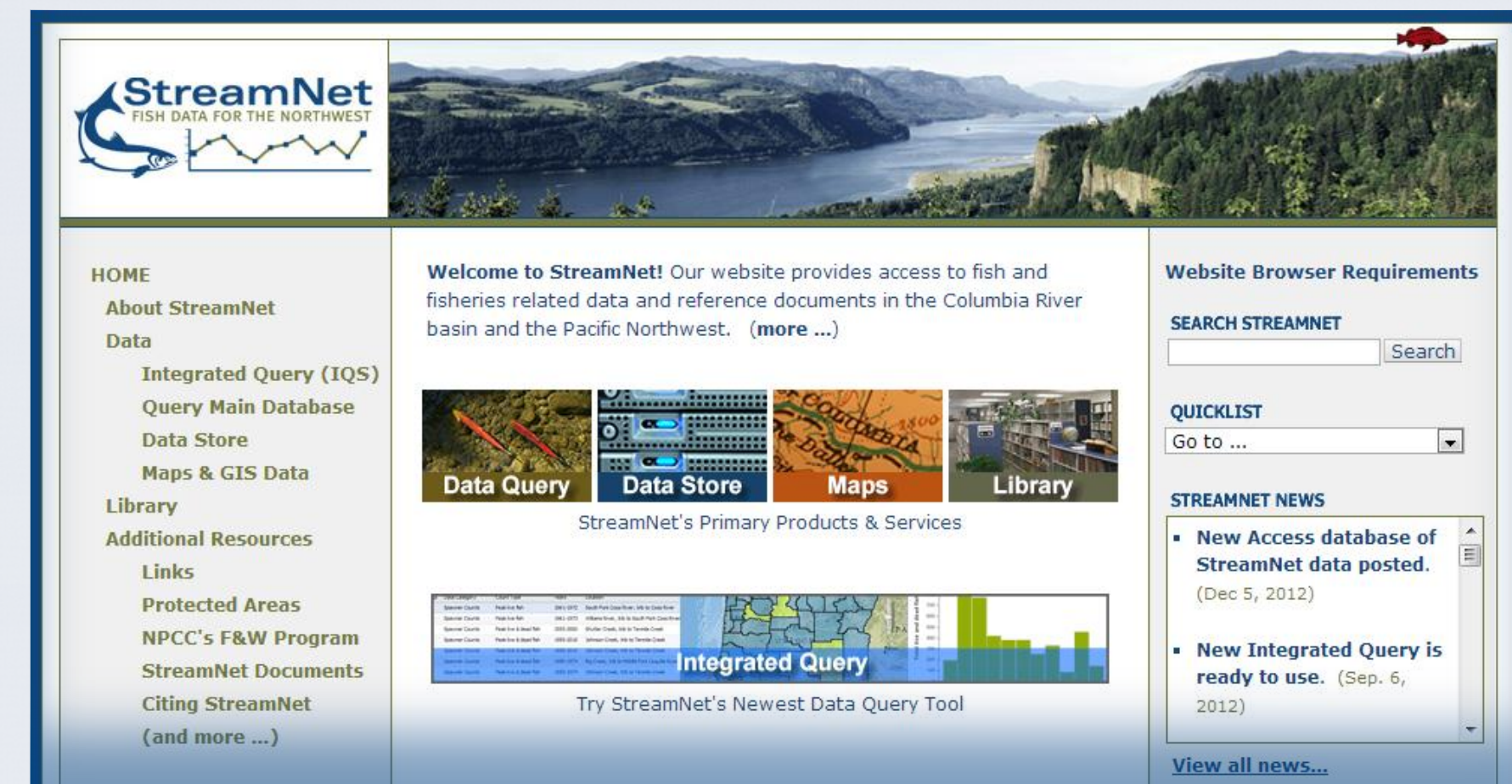
StreamNet — FISH DATA FOR THE NORTHWEST

## Evolution of the System

A long-standing fish data repository for key Columbia River Basin datasets, StreamNet compiles and publishes tabular fish data that relate directly to mapped locations along the region's streams. StreamNet's data access or 'query' system continues to evolve – leveraging the latest advancements in database, internet and mapping technologies. Users can access the system by visiting http://www.StreamNet.org

Fish data are organized by category in separate tabs. The currently applied map and tabular selection criteria are highlighted. At any point, users can download the selected records or all data from the selected tab.
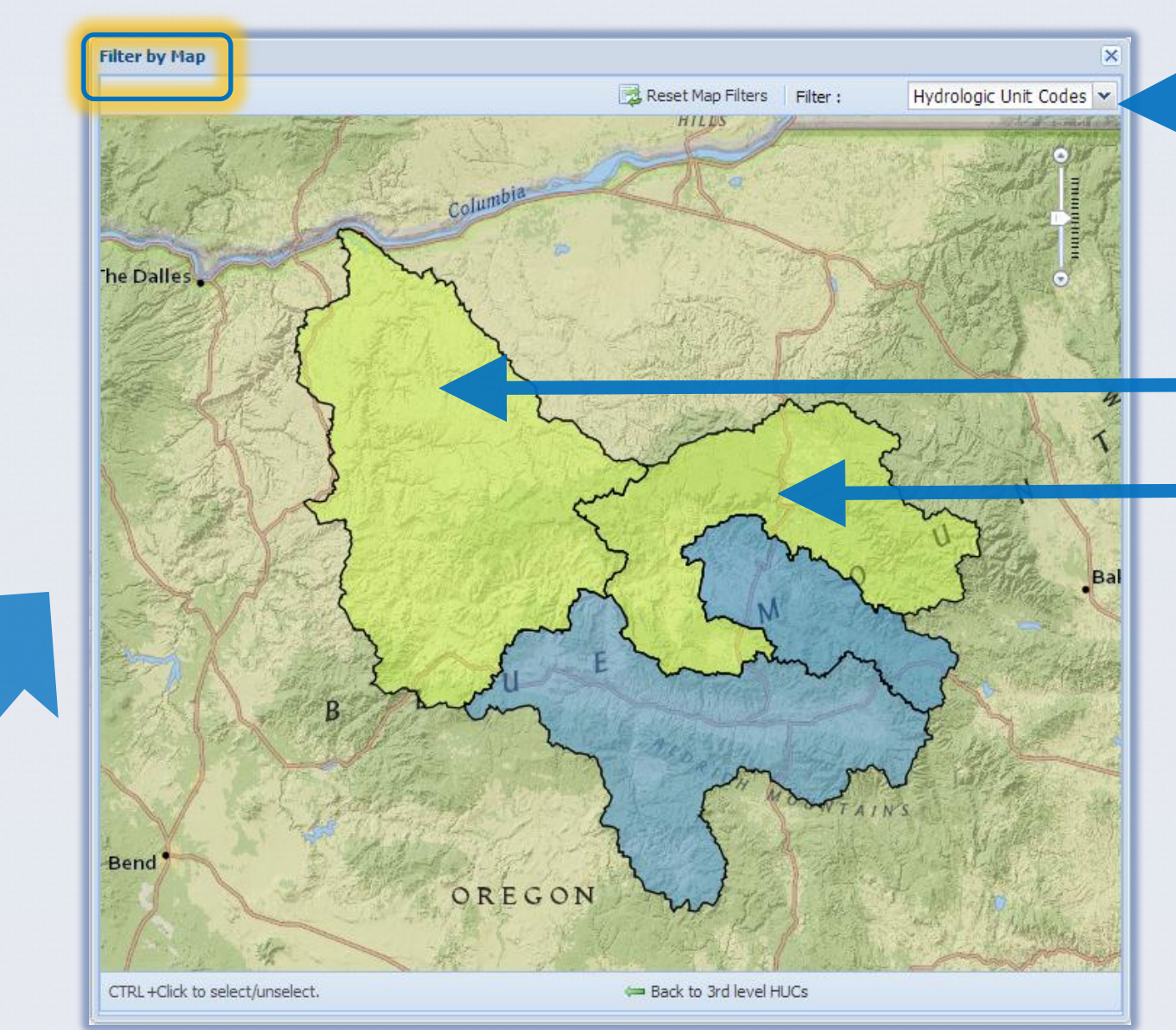
## Region-wide System Supports Tabular and Map-based Data Exploration

Users have increased control to find and interact with data of interest in the new system. Filtering can be done using both a map-based and tabular approach.

The tabular grid behaves like a spreadsheet, allowing intuitive access to sorting and filtering capabilities. Here, the interface is used to filter available data for steelhead and Chinook. Columns can be re-ordered, re-sized or hidden in the interface.

Hydrologic and administrative boundaries can be used to filter data.

Multiple areas of interest can be selected at once. Here, the Lower and North Fork of the John Day River are both set as filter criteria.

Interactive Map Filter Widget

The detailed map frame follows the selected record in the main table. Users can change basemaps, pan, and zoom to explore an area of interest.

Location details illustrate the method StreamNet partners use to reference stream survey locations to the GIS stream network.

The detailed time-series records in this frame relate to the selected row in the main table above.

The chart provides a quick impression of time series data for the selected survey record in the main table.

Direct access to the related reference documents are made available through a link to the StreamNet Library, curated and maintained by our partners at the Columbia River Inter-Tribal Fish Commission.

## A Partnership Effort

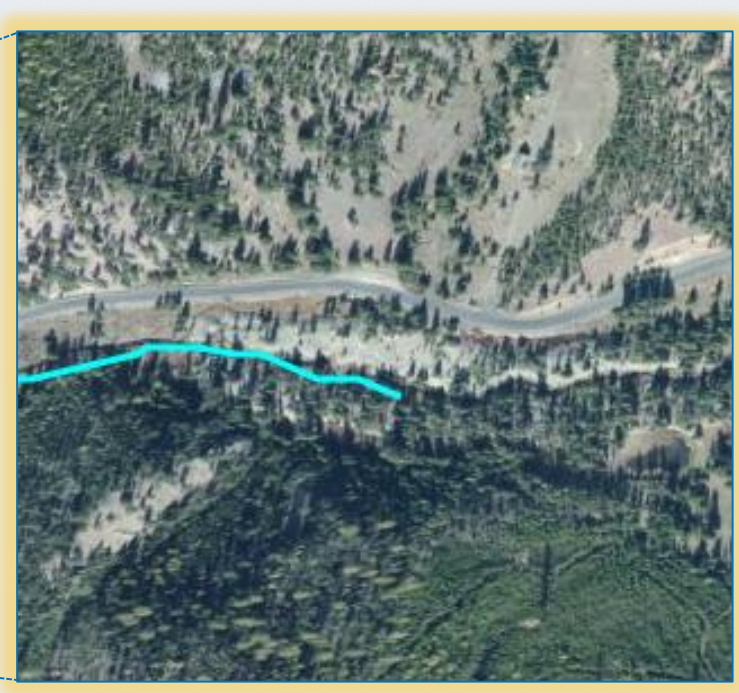Data are collected with funding support from various entities

Partners compile agency data to meet regional standards

PSMFC StreamNet staff consolidate, integrity check, geo-reference and serve data for broad use region-wide.

End users access data from StreamNet via web applications & services or by request. Data priorities shift to meet regional needs and initiatives.

Funding for the regional partnership effort is provided by Bonneville Power Administration through the Northwest Power and Conservation Council's Fish & Wildlife Program. In-kind contributions are also provided by the partner agencies.

Questions or feedback? Contact us: project@StreamNet.org