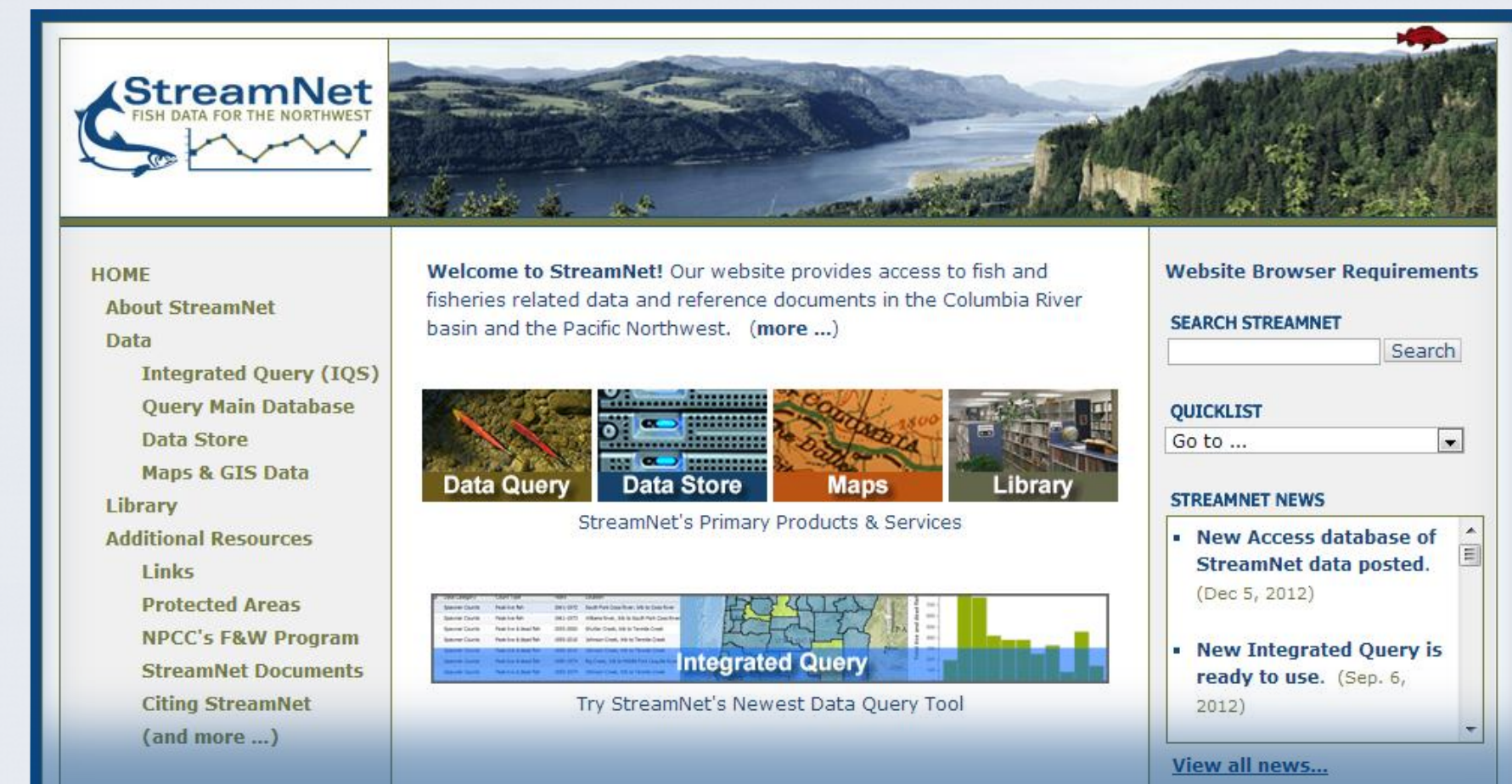


Evolution of the System

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>

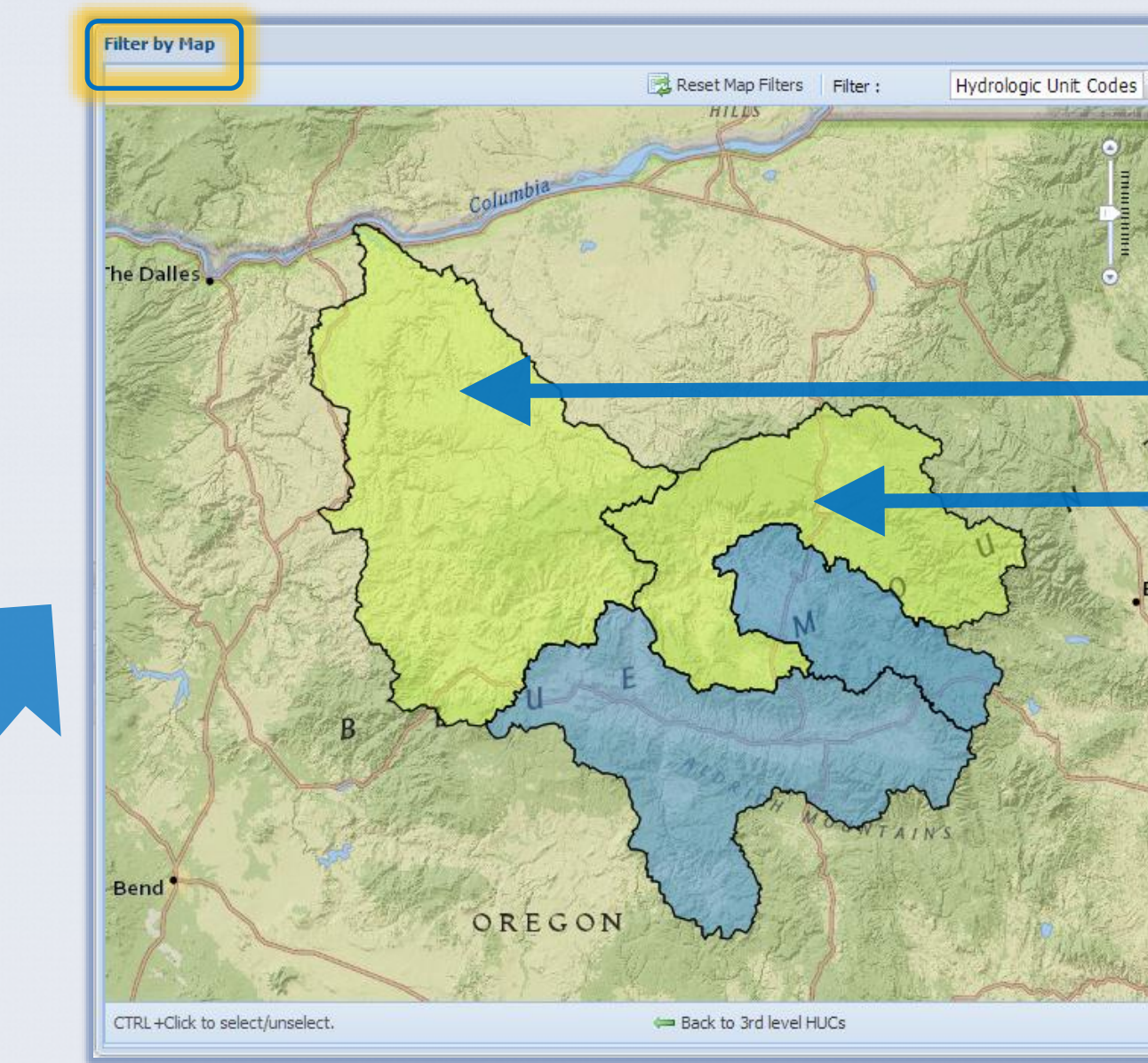


Region-wide System Supports Tabular and Map-based Data Exploration

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.

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.

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. Column headers 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.

Count Type	Years	Location	River Miles	Run	Species	SubRun	Stage
Redd count	2006-2011	Battle Creek, trib to Desolation Creek	from RM 0.21 to RM 1.42	Summer	Steelhead		Adult
Redds per mile	1959-2011	Bear Creek, trib to Bridge Creek	from RM 0 to RM 19.49	Summer	Steelhead		Adult
Redd count	2004-2008	Bear Creek, trib to Swale Creek	from RM 0.83 to RM 2.03	Summer	Steelhead		Adult
Redd count	2005-2009	Bear Wallow Creek, trib to Camas Creek	from RM 2.72 to RM 4.03	Summer	Steelhead		Adult
Redds per mile	1964-2011	Beaver Creek, trib to Olive Creek	from RM 0 to RM 6.1	Summer	Steelhead		Adult
Redd count	2004-2008	Beaver Creek, trib to Olive Creek	from RM 1.67 to RM 2.93	Summer	Steelhead		Adult
Redd count	2004-2008	Big Creek, trib to North Fork John Day River	from RM 0 to RM 10.9	Spring	Chinook salmon	N/A	Adult
Redd count	2004-2008	Big Creek, trib to North Fork John Day River	from RM 1.3 to RM 2.47	Summer	Steelhead	N/A	Adult
Redd count	2005-2009	Big Pine Hollow, trib to Long Hollow Creek	from RM 1.97 to RM 3.23	Summer	Steelhead	N/A	Adult
Redds per mile	1980-1983	Boundary Creek, trib to Unnamed Stream [118...	from RM 0 to RM 2.55	Summer	Steelhead	N/A	Adult
Redds per mile	1978-1983	Bowman Creek, trib to Camas Creek	from RM 0 to RM 7.9	Summer	Steelhead	N/A	Adult
Redd count	2008-2008	Bridge Creek, trib to Camas Creek	from RM 4.38 to RM 5.62	Summer	Steelhead	N/A	Adult
Redds per mile	1965-1992	Bridge Creek, trib to John Day River	from RM 0 to RM 29.6	Summer	Steelhead	N/A	Adult
Redd count	2007-2007	Budhorn Creek, trib to Lone Rock Creek	from RM 3.79 to RM 5.08	Summer	Steelhead	N/A	Adult
Redd count	2004-2004	Budhorn Creek, trib to Lone Rock Creek	from RM 1.05 to RM 2.15	Summer	Steelhead	N/A	Adult
Redd count	1999-2011	Bull Run Creek, trib to Granite Creek	from RM 0 to RM 9.37	Spring	Chinook salmon	N/A	Adult
Redd count	1998-2008	Bull Run Creek, trib to Granite Creek	from RM 0 to RM 9.37	Spring	Chinook salmon	N/A	Adult
Redd count	2006-2010	Bull Run Creek, trib to Granite Creek	from RM 0.16 to RM 1.42	Summer	Steelhead	N/A	Adult
Redd count	1962-2011	Bull Run Creek, trib to Granite Creek	from RM 0 to RM 3.06	Spring	Chinook salmon	N/A	Adult
Redds per mile	1980-1994	Bull Run Creek, trib to Granite Creek	from RM 0 to RM 9.28	Summer	Steelhead	N/A	Adult
Redds per mile	1963-1996	Cable Creek, trib to Camas Creek	from RM 0 to RM 7.12	Summer	Steelhead	N/A	Adult
Redd count	2007-2011	Cable Creek, trib to Camas Creek	from RM 3.84 to RM 5.09	Summer	Steelhead	N/A	Adult

Map of Detail: Spring Chinook salmon Trend 52055 on Bull Run Creek, trib to Granite Creek. The map shows the stream network with a highlighted section for the selected record.

Chart: A bar chart showing the Redd count over time (Year) for the selected survey record. The Y-axis represents Redd count (0 to 80) and the X-axis represents Year (1962 to 2011).

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.

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.

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.