

SALMON DATA DISCOVERY TOOL

Making Salmon Science Accessible—One Repository, Infinite Insights



PSMFC & NOAA TEAM

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PROBLEM

Data are scattered among many sites and platforms

- Disconnected from the reports and publications they support
- Difficult to find, stored in numerous locations, and often inaccessible
- Not documented in a way that allows for easy reuse

SOLUTION

Develop a web-based tool for datasets, derived products and documents across all ecosystems

- Accepts all Pacific salmon related data, including environmental and biological indicators
- Accommodates most file types including reports, spatial and tabular data, and GitHub links
- Allows full downloadable access with complete citation information

SCOPE

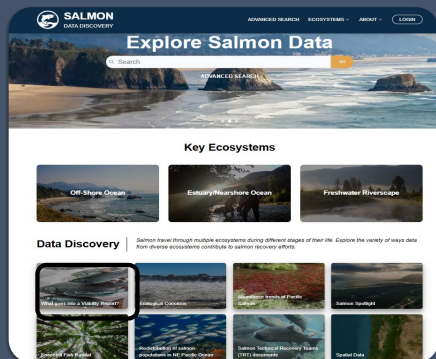
Geographic: West Coast of North America waters with Pacific salmon

Environmental indicators:
prey/predator/competitor species,
ecosystem, habitat

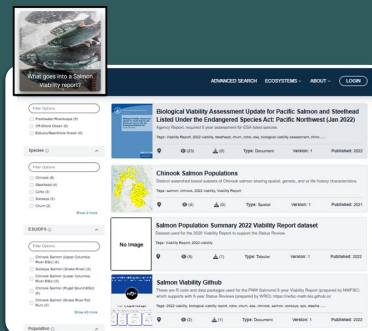
Data types: documents, data files,
derived data products, spatial data,
GitHub links

Contributor: any data collectors and
interested collaborators

User: Anyone!



LINKING DATA WITH DOCUMENTS



Report



Spatial Layers

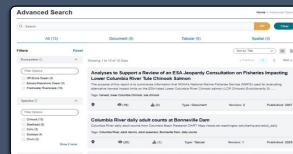


Abundance Data



GitHub Code

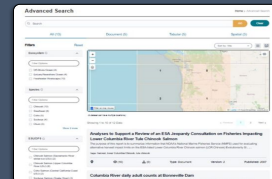
DATA SEARCH OPTIONS



Advanced Search

Search options include keyword search bar, sidebar filters for refining results, and file type selection to help users efficiently find relevant data

Location Explorer
The Location Explorer enables geographic data exploration by assigning spatial areas to data and documents. Datasets can appear at multiple map locations, facilitating comprehensive spatial searches.

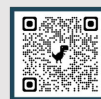


Data
Management

- Data contributors can edit their content at any time, and those edits are tracked and publicly visible
- Multiple versions of data can be uploaded under the same title (e.g., time series or yearly water quality)
- Multiple collaborators can be invited to edit a dataset
- File uploads are limited to 2GB to ensure reasonable download times

Quality Control

- Only non-sensitive data can be submitted
- Contributors must have permissions from all partners, and are responsible for data accuracy and ethical data standards
- Submissions require complete data documentation and proper citation to promote transparency and reusability
- Users can report errors or issues with any published dataset



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