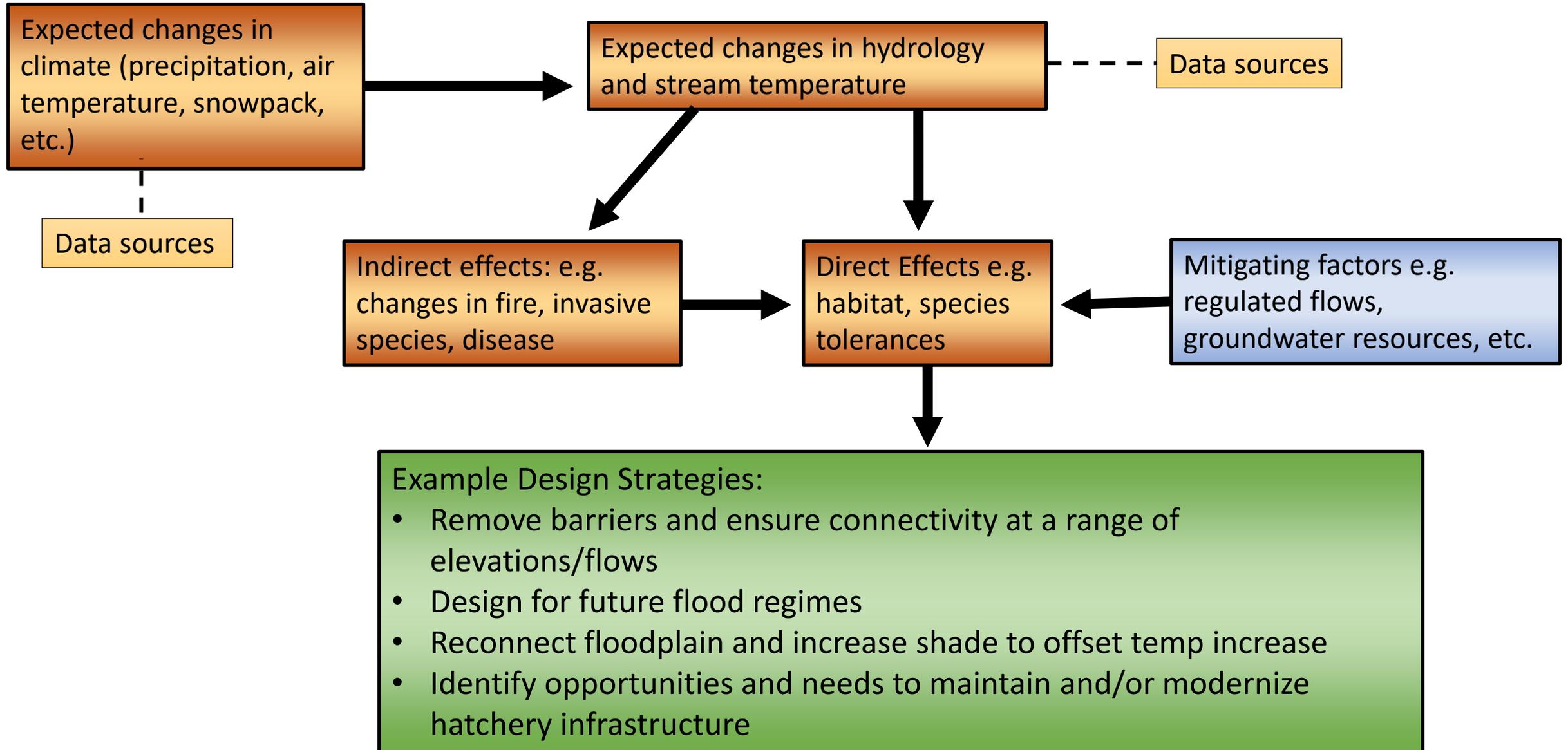


Project Proposal Template form – Part 6

Climate Change Logic Path



Project Proposal Template form – Part 6

Data Source examples

The screenshot shows the homepage of the Climate Toolbox website. At the top is a navigation bar with links for Climate Toolbox, APPLICATIONS, TOOLS, DATA, GUIDANCE, NEWS, and CONTACT. The main heading is "The Climate Toolbox" in orange, followed by the subtitle "A collection of web tools for visualizing past and projected climate and hydrology of the contiguous United States of America." Below this is a section for "Applications" with a sub-heading "A collection of tools for addressing questions relating to Agriculture, Climate, Fire Conditions, and Water." There are four image-based categories: AGRICULTURE (wheat), CLIMATE (clouds), FIRE (forest fire), and WATER (river). A blue cloud-shaped callout bubble with the text "FIND YOUR VARIABLE" is positioned over the WATER category. A black speech bubble callout is positioned over the WATER category image.

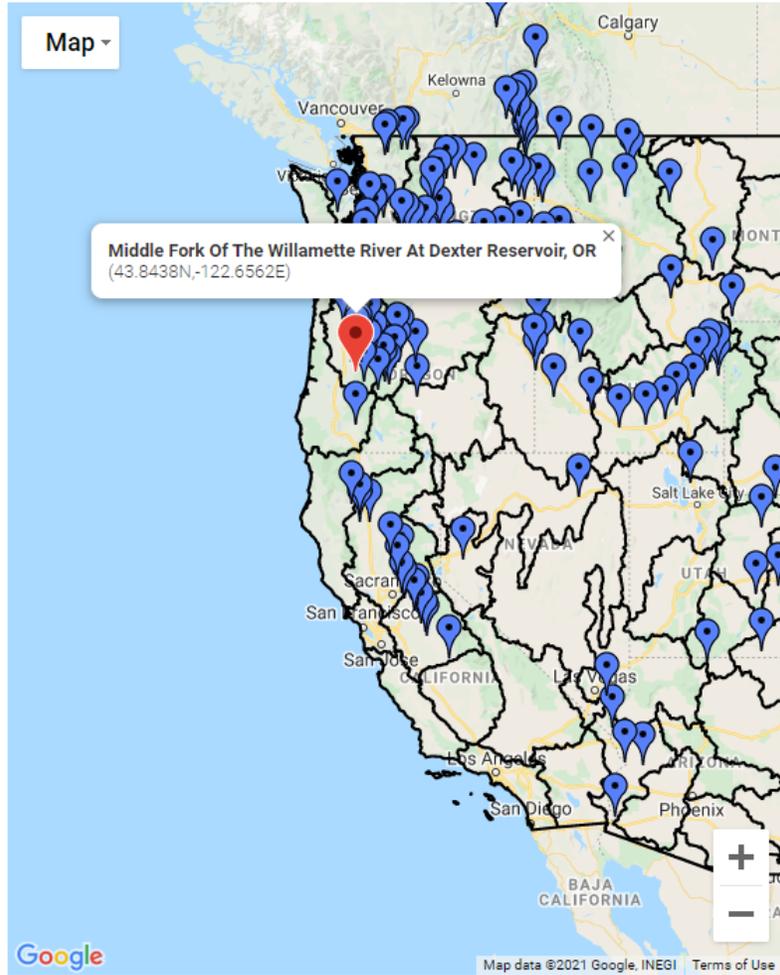
The screenshot shows the "Tools" section of the Climate Toolbox website. It features a grid of tool cards. The "Future Tribal Climate" tool card is circled in red. The "Future Streamflows" tool card is also circled in red. Other tool cards include "Climate Mapper", "Historical Climate Dashboard", "Historical Water Watcher", "Historical Climate Tracker", "Historical Climate Scatter", "Future Boxplots", "Future Climate Dashboard", "Future Climate Scatter", and "Historical Climate Dashboard". Each card includes a title, a brief description, and a "Launch Tool" button.

The screenshot shows the "Applications" section of the Climate Toolbox website. It features a grid of application cards. The "Future Tribal Climate" application card is circled in red. The "Future Streamflows" application card is also circled in red. Other application cards include "Climate Mapper", "Historical Water Watcher", "Future Boxplots", "Future Climate Dashboard", "Future Climate Scatter", and "Historical Climate Dashboard". Each card includes a title, a brief description, and a "Launch Tool" button.

Stream Outlet:

Middle Fork Of The Willamette River At Dexter Res: ▾

Show Stream Gauges With Bias-Correct Streamflows



HUC8 Watersheds Boundaries



View Hydrograph

Monthly Values ▾



Download Daily Data

SUBMIT REQUEST

Future Time Period ?

Mid 21st Century (2040 - 2069) ▾

Future Scenario ?

Higher Emissions (RCP 8.5) ▾

Model ?

10 Model Mean ▾

Download graph:

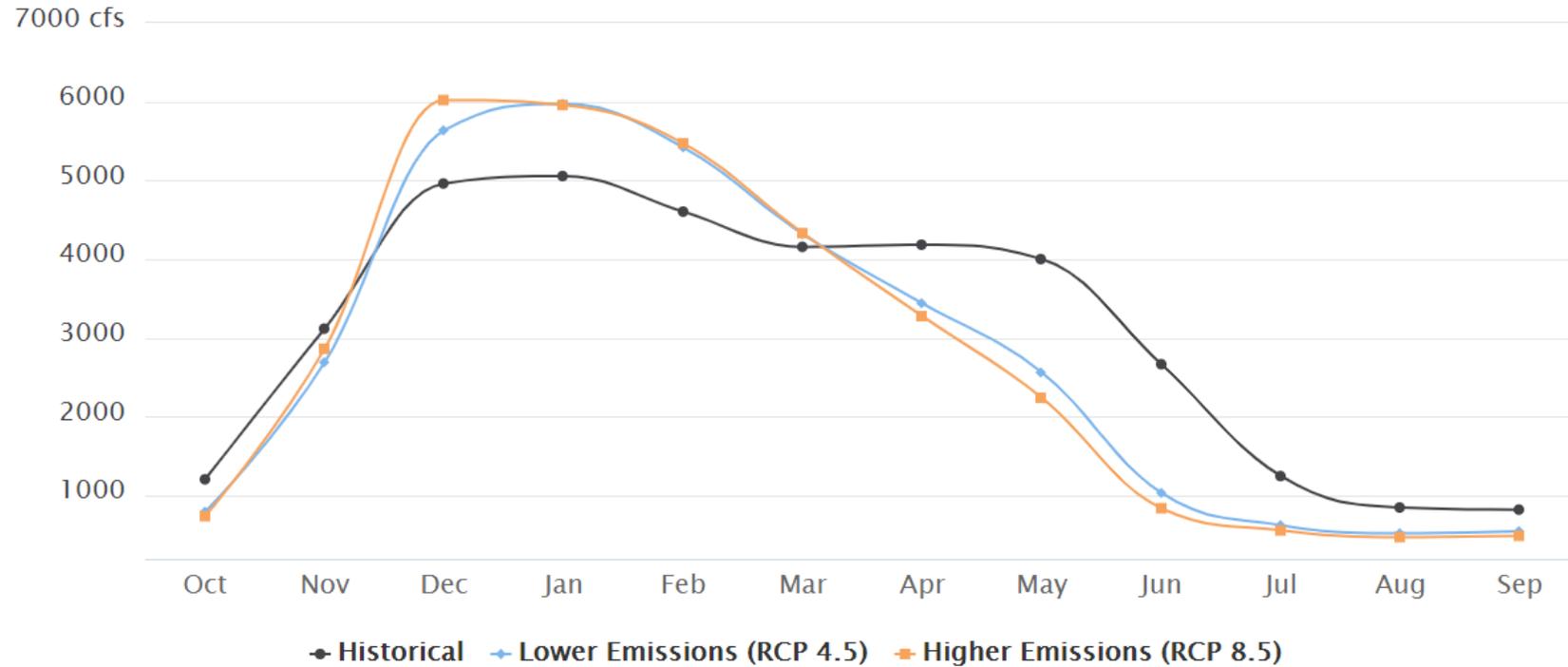
DOWNLOAD GRAPH

Download data:

DOWNLOAD DATA

Projected Non-Regulated Streamflow (2040–2069)

Middle Fork Of The Willamette River At Dexter Reservoir, OR





Future Tribal Climate
Maps/graphs of future climate projections for a tribal region

Launch Tool

Maps & Graphs

View maps and graphs that summarize projected changes in climate across your selected geography. You may tailor the view using the choices below.

View



Map



Graph

Climate-related Variable

Streamflow, Jul.-Sept. Minimum Daily Non-Regulated

Stream Location:

Grand Ronde River At Troy, OR

Time Period

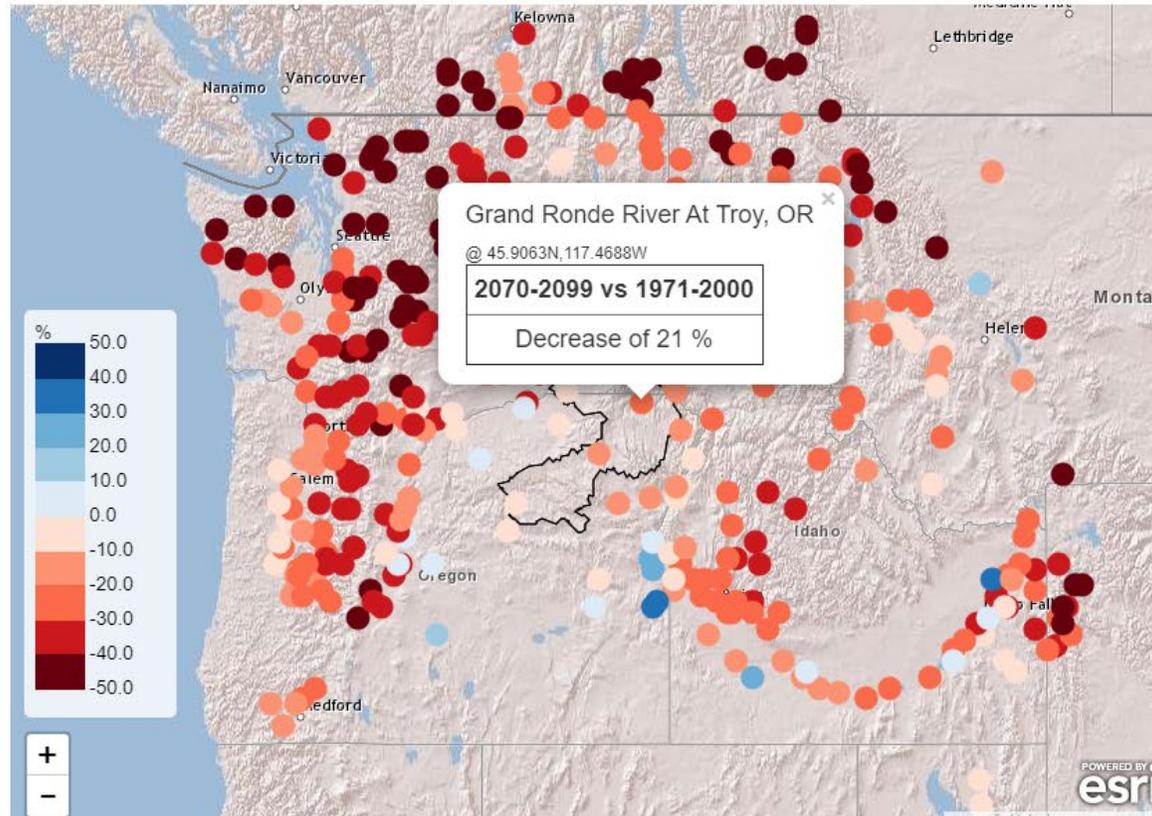
2070-2099

Future Scenario

Higher Emissions (RCP 8.5)

Map

Percent Change in Jul. - Sept. Minimum Daily Non-regulated Streamflow
2070-2099 (Higher Emissions (RCP 8.5)) vs 1993-2011 (Historical)
Umatilla Ceded basins



Results

Get key results from the maps and graphs. These are offered below in tables, text or raw data.

Table

Text

Projected change in Jul. - Sept. minimum daily non-regulated streamflow is calculated as percent change of the average value from 1971-2000 for the stream location at Grand Ronde River At Troy, OR, based on an average over 10 models.

2070-2099 (Higher Emissions):

In 2070-2099 (higher emissions), the Jul. - Sept. minimum daily non-regulated streamflow is projected to be decreased by 21% of the 1971-2000 value.



UNITED STATES DEPARTMENT OF AGRICULTURE - U.S. FOREST SERVICE

Rocky Mountain Research Station Air, Water, & Aquatic Environments Program



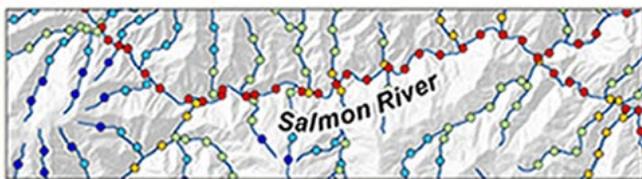
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GO

search only AWAE



NorWeST Stream Temp



Regional Database and Modeled Stream Temperatures



Interactive Temperature Scenario Viewer

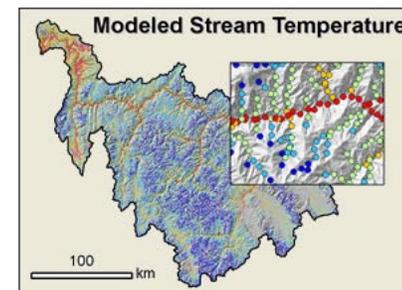
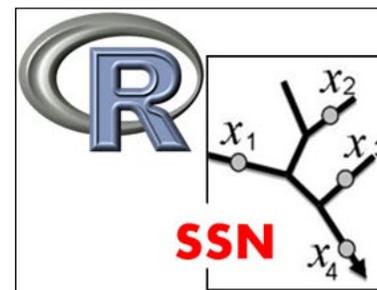
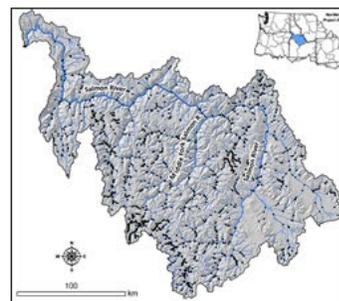


ArcGIS Online Interactive Map to View & Query Stream Scenarios Online

Please note there are issues viewing the map using Internet Explorer 11 if you want to extract data. See the [help document](#) for more information.

[Interactive Map Help Document \(PDF\)](#)

Download Products

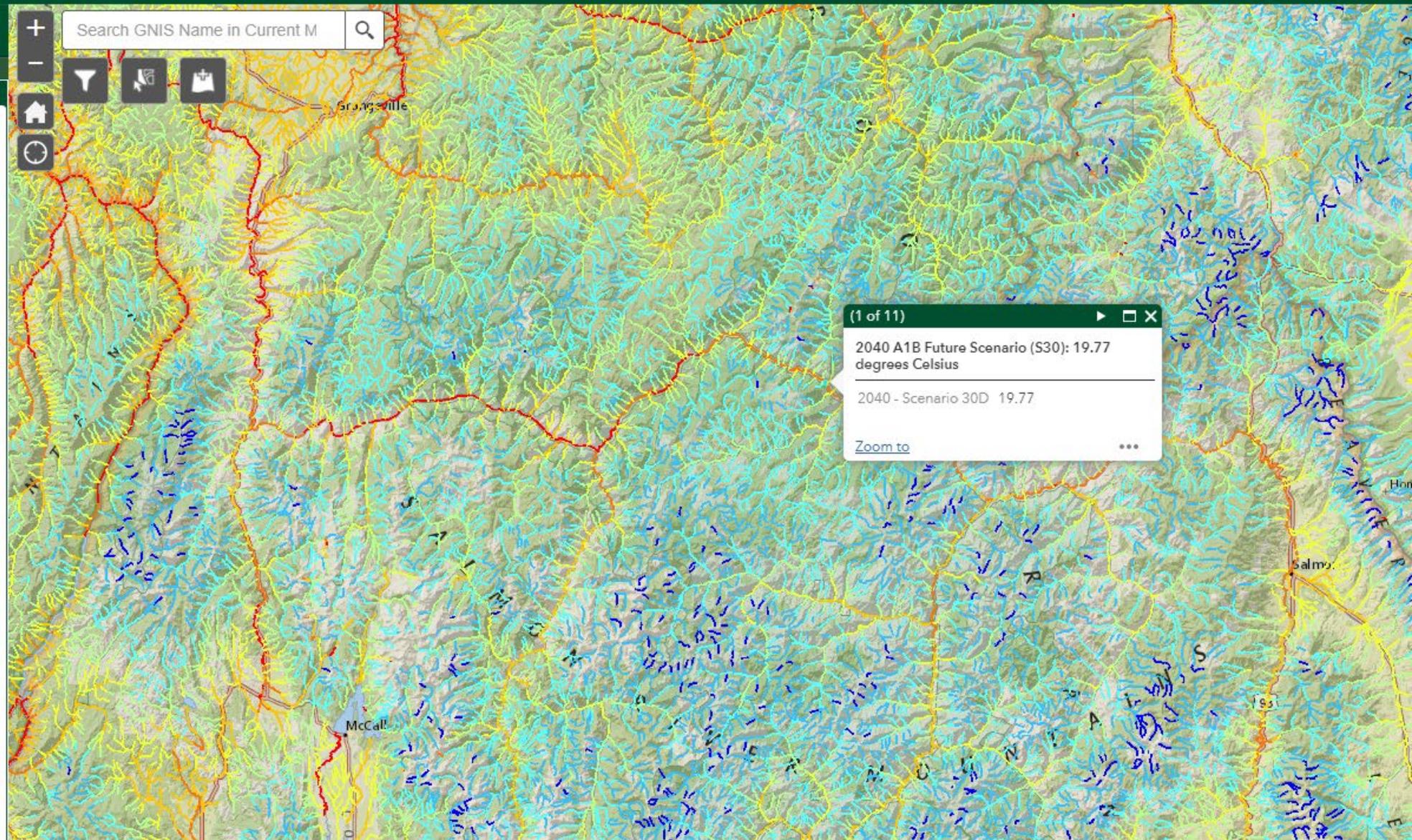




Layer List

Layers

- Observed Temperature Points
- Historical Stream Data
- Future 2040 Scenario Streams
- Future 2080 Scenario Streams
- Watersheds



(1 of 11)

2040 A1B Future Scenario (S30): 19.77 degrees Celsius

2040 - Scenario 30D 19.77

[Zoom to](#) ...