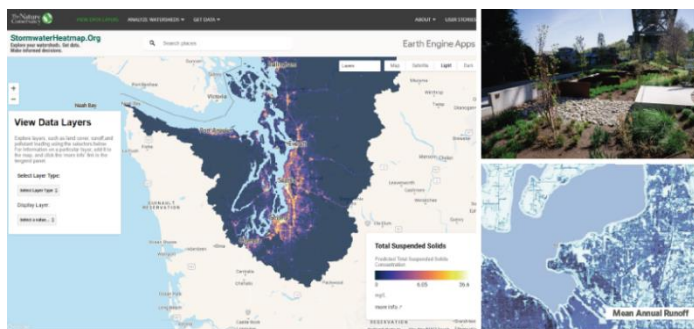


STORMWATER HEATMAP VERSION 2.0

The Stormwater Heatmap Version 1.0 is an open-source Puget Sound-wide tool to help stormwater planners prioritize areas for stormwater improvements that account for both water quality and water quantity.

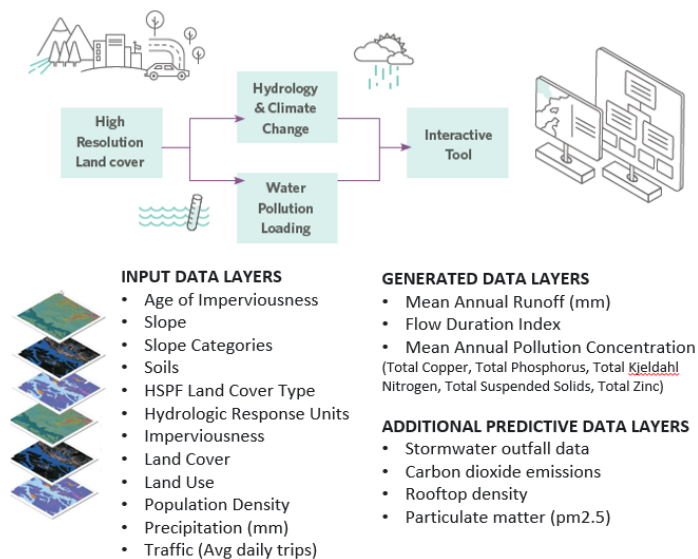


Screenshot of the Version 1.0 web tool interface (TSS Concentration), a rain garden, and an example of mean annual runoff calculations for the Tacoma area.

WHAT WE ARE DOING

Version 2.0 will make enhancements to further support long-term stormwater retrofit planning. We will:

- incorporate improved pollution loading and hydrology information and data outputs,
- partner with UW Climate Impacts Group to include 12 future climate runoff modeling scenarios, and
- improve user access and documentation.



Graphic of the Version 1.0 architecture and data layers available for download.

WHY THIS IS IMPORTANT

Urban stormwater runoff is one of the foremost pressures on Puget Sound's freshwater and marine environments. It impacts the quantity of water pulsing off the land as well as the quality of that water. As a result, urban watersheds and marine receiving waters suffer from "urban syndrome," a condition that results in low abundance and survival of sensitive aquatic and coastal species, many of which are Tribal Treaty Rights resources. Virtually all urban streams and rivers in the Puget Sound watershed have been harmed by stormwater pollution. The Stormwater Heatmap helps identify hotspots of stormwater generation so that interventions can be optimized across the landscape.

WHAT YOU CAN DO

The Stormwater Heatmap web tool and its data are freely available to the public. You can interact with the Version 1.0 tool and its data on the Stormwater Heatmap website today!

- Your feedback matters! Reach out with your suggestions to help inform Version 2.0 enhancements.
- How does your organization use the tool and its data? Share your story through the form on our website!
- We will host Version 2.0 user engagement and design thinking workshops. Reach out if you are interested!
- Follow along with the project on our website blog.
- Donate to support this team's work and other projects like it in Washington: <https://preserve.nature.org/>

ABOUT THE NATURE CONSERVANCY

The Nature Conservancy (TNC) is a global non-profit working to conserve the lands and waters upon which all life depends. TNC prioritizes conservation actions that take on the dual threats of climate change and biodiversity loss, including conserving 4 billion hectares of marine habitat and 30 million kilometers of rivers by 2030. The Stormwater Heatmap advances both goals in Western Washington.

FOR MORE INFORMATION

<https://www.stormwaterheatmap.org/>
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