

## Executive Summary: Cascadia Research Society

The **Cascadia Research Society (CRS)** is a non-profit scientific collective dedicated to the **high-fidelity diagnostic monitoring** of Pacific Northwest watersheds. Established in April 2026, our mission is to provide an empirical foundation for **bioregional ecological resilience** through rigorous, field-level hydrological and thermal data collection.

At CRS, we believe that sustainable stewardship begins with **precise baseline data**. We bridge the gap between academic theory and community-led action by deploying advanced monitoring tools to track critical indicators of watershed health. Our work focuses on the **Intersection of biological rhythms and anthropogenic impacts**, providing evidence-based insights to land managers, government agencies, and Indigenous Nations.

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### Core Strategic Objectives

- **Hydrological Diagnostics:** Establishing high-resolution baseline data for **thermal regimes and discharge patterns** in coastal stream systems, with a current focus on the Vancouver Island region.
  - **Infrastructure Redundancy:** Researching the integration of **ecological sovereignty** with regional infrastructure, ensuring that local watersheds can withstand both climate-driven and human-induced stressors.
  - **Sustainable Field Operations:** Pioneering the use of **zero-emission field technologies** and low-impact monitoring techniques to preserve the integrity of the ecosystems we study.
  - **Knowledge Translation:** Transforming raw environmental data into **actionable stewardship diagnostics** that support long-term ecological and community sustainability.
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### Our Vision

To serve as a cornerstone for **Cascadian bioregionalism**, where high-resolution environmental science empowers local communities to protect and restore the life-sustaining waters of our region. Through the **Cascadia Research Society**, we aim to ensure that our watersheds remain healthy, resilient, and sovereign for generations to come.

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