

Researchers Fill Scientific Gaps of Understanding Regarding Temperate Reservoir Emissions

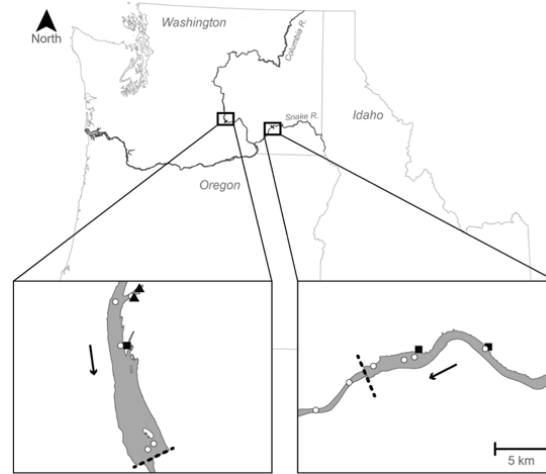
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Objective

- To better understand methane (CH_4) emissions from temperate hydropower reservoirs.

New Science

- Researchers collected samples from multiple sites within reservoirs of two run-of-the-river hydroelectric power plants in temperate eastern Washington state. They measured methane concentrations, water temperature, dissolved oxygen, water elevation, barometric pressure, nutrients, and dissolved organic carbon at all sites in each reservoir.



Priest Rapids (*left*) and Lower Monumental (*right*) sampling sites along the Columbia and Snake River, respectively.

Significance

- Across the world, hydroelectric energy capacity continues to grow. Studies like this will help us understand the extent and origination of CH_4 production in temperate reservoirs.