

Dr. Samantha Chisholm Hatfield (Research Scientist, Tribal Liaison)



Dr. Samantha Chisholm Hatfield is an environmental research scientist, author, and faculty member at Oregon State University. Her work focuses on the intersection of Indigenous Traditional Ecological Knowledge (TEK) and environmental science, particularly in relation to climate change. Her work often involves integrating TEK into the study of climate change's impacts on coastal

ecosystems, including tidal wetlands.

Samantha is currently part of a four-year research project in partnership with Oregon State University and several other universities. Funded by NOAA (National Oceanic and Atmospheric Association), this project will help scientists and fishery managers better understand how climate change is affecting marine ecosystems off the West Coast, focusing on two key species — Dungeness crab (a multi-million dollar single-species industry) and krill (small, shrimp-like crustaceans that play a critical role in the ocean's food web). Researchers will examine climate impacts on these species in the northern California Current, spanning the coasts of Washington, Oregon and Northern California.

“We want to provide context around what changing ocean conditions might mean for the future, not just for the commercial industry, but also the cultural impacts for tribal communities on the West Coast.”

Dr. Samantha Chisholm Hatfield

