



Beavers Build CLIMATE RESILIENCE

While national and world leaders equivocate over climate action, we have a natural ecosystem engineer in our midst. Studies following the rise of North American beaver populations show that beaver dams create conditions that protect us against the effects of climate change. Dammed streams expand riparian zones, making ranchland grazing more sustainable, and lush, wet areas don't burn during wildfires. Post-burn, animals and vegetation have a better chance of rebounding from the disturbance. Wetlands are biological oases that can support up to 80% of biodiversity in an area. When we support beaver populations with techniques like flow devices and starter dams, wetland cover significantly increases across landscapes creating climate refuges for many species.



Beaver Solutions LLC

"The science that beavers build climate resilience is overwhelmingly clear. It is time for action."
-Dr. Chris Jordan, NOAA

Climate Change causes extreme weather that results in severe **FLOODS** and **DROUGHTS**. Beaver wetlands slow stormwater, reduce flooding risk, build riparian areas, and recharge groundwater stores.

U.S. WILDFIRE season occurs almost year-round due to a hotter, drier climate. Beaver wetlands provide fire breaks & wildlife refuges, and preserve seed banks.



Dr. Joseph Wheaton



EcoMetrics LLC

Increased **BIODIVERSITY** in beaver habitats increases chances for species survival. Climate change stresses plant and animal communities by altering habitat conditions.

"Beavers have built resilient landscapes for millions of years. They are allies, not obstacles, for dealing with climate change today."
-Dr. Emily Fairfax, Environmental Science and Resource Management, CSU Channel Islands

We are in a climate crisis.  Beavers can help.