



This would be enabled through the continuation of data collection from an established stream network in the Sierra Nevada of California. This network integrates physical and biological monitoring in order to determine how hydroclimatic shifts are linked to ecosystem structure and function through changes in the flow and temperature regime of vulnerable headwater streams where sustaining water resources originate.

For the purposes of management, this network will show status and trend of resource integrity and an early-warning system for detecting ecological impacts of climate change. Observed responses will provide guidance for prioritizing the settings where vulnerable watersheds can most benefit from climate adaptation actions. The protocols give tools for assessing ecological resilience.

A Monitoring Network for Detecting Climate Change Effects on the Ecology of Sierra Nevada Streams: Benthic Macroinvertebrate Indicators

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