

**Title: Younger Dryas to Early Holocene (12.9 and 8.1 ka)
Limnological and Hydrological Change at Barley Lake, California
(Northern California Coast Range)**

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Abstract: Paleo perspectives of climate provide important information for understanding future climate, particularly in arid regions such as California, where water availability is uncertain from year to year. Here, we present a record from Barley Lake, California, focusing on the interval spanning the Younger Dryas (YD) to the early Holocene (EH), a period of acute and rapid global climate change. Our paleo perspective emphasizes California's sensitivity to climate change and how that change can generate abrupt shifts in limnological regimes.