

An Archive of Downscaled WCRP CMIP3 Climate Projections over the contiguous United States

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Abstract. Reclamation has teamed with Lawrence Livermore National Laboratory, Santa Clara University and The Institute for Research on Climate Change and its Societal Impacts to develop a web-served, public-access archive of downscaled climate projections suitable for supporting custom data requests. This effort addresses a near-term need among water resources planning analysts to have access to climate projection information at "basin-relevant" resolution. The new archive enhances the abilities of researchers and decision-makers to assess possible future climates at a region-scale, explore societal impacts, and approach policy responses from a risk-based perspective. Presentation will highlight archive scope, content, and downscaling methodology. The archive includes statistically downscaled translations of 100+ climate projections produced through the World Climate Research Programme's Coupled Model Intercomparison Project phase 3 effort (temperature and precipitation, monthly time-step, 1950-2099, 1/8° spatial resolution, contiguous U.S. coverage).