Post-doctoral position
FORECASTING THE CONSEQUENCES, FOR FISH POPULATIONS, OF WATER MANAGEMENT DECISIONS, IN RESPONSE TO ONGOING DROUGHT IN THE COLORADO RIVER BASIN

State and federal agencies will soon begin negotiating water-supply agreements that would govern water supply and storage in the Colorado River basin through 2046. These agreements will shape annual and seasonal allocation of flows, as well as water quality, especially water temperature, throughout the basin with implications for river ecosystems and the recovery of federally listed fish species. While there are many active research projects in the basin, there is a need for synthesis of how potential changes in flow regime, river temperature, and other ecosystem drivers may facilitate or hamper recovery of federally listed fish species and restoration of aquatic ecosystem. We seek a highly motivated post-doctoral scientist to synthesize linkages of physical drivers and fish populations, identify uncertainties, and develop predictive models to support decision makers. The post-doctoral researcher will work with researchers at both Utah State University in Logan, Utah and the US Geological Survey in Flagstaff, Arizona and will travel to meet with various experts working in the region for state, federal, academic and tribal organizations. The successful candidate will have good interpersonal, organizational and communication skills and experience in either population modelling, structured decision making or related fields. Experience working in interdisciplinary teams, on water issues, or specifically in the Colorado River Basin is preferable, but is not a requirement for the position. A start date in the winter or spring of 2019-2020 is preferred and term of appointment will be for at least 18 months. Review of applications will begin on November 8 and will continue until a suitable candidate is found. Interested candidates should send a cover letter, cv, three references, and one representative publication to cyackulic@usgs.gov.