

Post-doctoral position

DEVELOPING FISH POPULATION MODELS TO INFORM ADAPTIVE MANAGEMENT IN THE GRAND CANYON

Fisheries monitoring in the Grand Canyon segment of the Colorado River consists of several long-term and spatially extensive catch-based studies, a few moderately long intensive studies, and a variety of short-term research projects. While integrated population models that leverage these different datasets have been developed for a few species in a few portions of the river, there is a need to further develop these models to accommodate new studies and to apply to a wider range of species. Ideally a few competing models representing different hypotheses would be developed for a series of native and non-native species that could be update over time. We seek a highly motivated post-doctoral scientist to work as part of a team, leading development of population models that link environmental factors (flow, temperature), biotic interactions (including both competition and food limitation), and management actions to population dynamics. The post-doctoral researcher will work with researchers at the US Geological Survey in Flagstaff, Arizona. The successful candidate will have good interpersonal, organizational and communication skills and experience in either population or ecosystem modelling. 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.