

Colorado Cooperative Fish & Wildlife Research Unit

*Colorado State University
201 Wagar Building
1484 Campus Delivery
Ft. Collins, CO 80523-1484*

*970-491-5396
970-491-6942
970-491-1413 – fax*

POSITION TITLE: Post-doctoral Research Position

SALARY: \$40,000/year, plus benefits.

PERFORMANCE PERIOD: Up to two years after start date, anticipate 1 October 2009-30 September 2011 (Contingent upon appropriation of funds)

APPLICATION DEADLINE: 1 August 2009, or until suitable candidate is found

POSITION SUMMARY:

The Post-doctoral Fellow will be responsible for the development of an age-structured model to describe smallmouth bass population dynamics in the upper Colorado River Basin. Model results will be used to assess management options for invasive smallmouth bass with a goal to aid recovery of native and endangered fishes.

DUTIES:

1. Develop an age-structured model to describe smallmouth bass population dynamics.
2. Estimate vital rates from existing data to parameterize the age-structured model.
3. Use model output to determine appropriate management strategies for smallmouth bass.
4. Meet periodically with the Upper Colorado River Cooperators to determine appropriate modeling framework.
5. Meet periodically with Upper Colorado River Cooperators to update progress.
6. Prepare annual reports for the Upper Colorado River Program.
7. Develop age-structured model in spreadsheet or other user-friendly format.
8. Prepare manuscripts for peer-reviewed publication.
9. Other related duties as assigned.

MINIUMUM REQUIREMENTS:

1. Ph.D. in biology (wildlife), ecology, or related field.
2. Demonstrated proficiency with simulation modeling and software used to describe population dynamics
3. Demonstrated proficiency with statistical software used to estimate vital rates.
4. Demonstrated desire and proficiency to publish in the peer-reviewed literature.

DESIRED ABILITIES:

1. Familiarity with fish ecology, population dynamics, and fish stock assessment.

2. Candidate is expected to have good communication skills and be able to interact closely with co-investigators and resource managers.

APPLICATION:

Candidates should send (1) a letter of application; (2) a resume; (3) copies of college transcripts; and (4) three references with names, addresses (including e-mail) and telephone numbers to: Dr. Dana Winkelman, Colorado State University, Colorado Cooperative Fish and Wildlife Biology Research Unit, 1484 Campus Delivery, 201 JVK Wagar Bldg., Fort Collins, CO 80523-1484. Email: Dana.Winkelman@Colostate.Edu

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