

Department of Fish and Wildlife Job Advertisement

RPA#: BDB-18-064

Position#: 565-037-5758-005

Classification Title: Research Data Specialist II

Salary: \$6,003.00-\$7,514.00 per month

Location County: Sacramento

Tenure/Time Base: Full time, permanent

Final Filing Date: Open until filled

Program Contact: Diana Hickson diana.hickson@wildlife.ca.gov or (916) 327-5956

Required Application Items: State Application Form, Cover Letter, Resume, and Statement of Qualifications

See:

<https://www.calcareers.ca.gov/CalHrPublic/Jobs/JobPosting.aspx?JobControlId=153631>

Job Description: This position provides a unique opportunity to contribute to the goal of securing the future of California's biodiversity through data analysis and collaboration. As a member of Department's Conservation Analysis Unit (CAU), the Research Program Specialist II will collaborate with technical and natural resource professionals to develop models and produce tools for wildlife and habitat conservation planning and analysis. CAU works to further the understanding of priority conservation areas in California through habitat suitability modeling, species range and distribution modeling, climate change vulnerability assessment, habitat connectivity modeling, and the compilation and integration of landscape datasets.

The incumbent will coordinate and lead intra and inter-departmental technical teams to conduct complex analyses, spatial and temporal modeling, and complex descriptive and inferential statistical analyses relative to species or habitat conservation. The incumbent will oversee management and technological enhancement of the existing Areas of Conservation Emphasis (ACE) and California Wildlife Habitat Relationships (CWHR) systems; train Department staff and others to use ACE and CWHR and new tools; and work with the Vegetation Classification and Mapping Program to optimize their existing vegetation databases to allow integration of the State Vegetation Classification into CWHR. The incumbent will prepare written documentation and manuscripts of research results for peer review and publishing by the Department and/or in other primary scientific literature sources.

Desirable Qualifications: The ideal candidate will have a depth of experience in developing ecological models and have used ArcGIS and relational databases, R statistical package, Python, and Microsoft Products for data capture, generation, and analysis. Experience with graph databases desirable. The

incumbent must be able to effectively articulate the scope, purpose, use and limitations of the tools to people with a range of knowledge of GIS and species/habitat models. The successful candidate will be able to work independently, take initiative, and work collaboratively with a variety of staff and stakeholders.

Special Requirements: Ability to work outdoors in variable weather conditions and walk over uneven outdoor terrain carrying a 20 lb. backpack for up to 8 hours may be required.

Working Conditions: The position will be located downtown at 1700 9th Street, Sacramento, CA 95811, within walking distance of the State Capital and many good eateries, as well as regional transportation system. Parking is not provided but is available on-site for a fee. Some travel throughout the state for meetings and potentially field work requires possession of a valid driver's license and ability to drive for up to 8 hours a day. Interaction with a network of scientists and conservation professionals provides for an enriching work experience.

To Apply: *Applicants must take the Research Data Specialist II Exam and rank high enough to be on the eligible list.* Exam directions are here:
<https://www.calcareers.ca.gov/CalHrPublic/Exams/Bulletin.aspx?examCD=8PB40>

To be considered for this position you must provide a Statement of Qualifications with your State application, cover letter, and resume/cv. The SOQ is a narrative discussion of how the candidate's education, training, experience, and skills meet the minimum and desirable qualifications and qualify them for the position. The SOQ must be numbered in the same order as the following areas while addressing the Desirable Qualifications and include specific examples.

The SOQ must be typed in a minimum of 12-point font, single spaced, on standard sized paper (8.5" x 11") and be no more than two pages in length.

1. Your background, experience, education, and /or training in conducting or leading research projects, particularly in the field of ecology.
2. Your experience of conducting complex qualitative and quantitative data analyses with a spatial component. Please include the steps you take to identify the study question, your methodology used, and the final product(s).
3. Your experience leading or collaborating with others in a team environment.
4. Your experience teaching and presenting complex topics to a wide range of audiences.

Benefits: Information may be obtained at the California Department of Human Resources website at www.calhr.ca.gov and to the California Public Employees' Retirement System website for Health Benefits at www.calhr.ca.gov/employees/Pages/salary-and-benefits.aspx