UNIVERSITY OF CALIFORNIA, SANTA CRUZ
INSTITUTE OF MARINE SCIENCES
Specialist/Hydrologic Modeler

The Institute of Marine Sciences at the University of California, Santa Cruz (UCSC), working in conjunction with the NOAA National Marine Fisheries Service Southwest Fisheries Science Center (NOAA Fisheries), invites applications for the position of Specialist under the direction of Dr. Eric Danner. NOAA Fisheries is developing physical models in support of research on salmon population dynamics in the Central Valley of California. These models include watersheds, reservoirs, mainstem rivers, and the San Francisco Bay Delta. The incumbent will develop and apply river and reservoir models of hydraulics, heat, and mass transport in these habitats. This work will be part of ongoing research on life cycle, habitat, and ecosystem modeling for California's Central Valley Chinook salmon.

RANK: Associate Specialist to Full Specialist, determined by qualifications and experience (See rank qualifications)

SALARY: Minimum salary of $53,124, commensurate with rank, qualifications and experience.

BASIC QUALIFICATIONS: Master's degree in physical or biological oceanography, hydrology, water resources management, civil, mechanical or environmental engineering with a concentration in fluid mechanics and/or mass transport, atmospheric sciences, geology, or related a discipline. Experience in numerical modeling and dynamics of unsteady systems. Experience in the numerical modeling of shallow water flows, open channel hydraulics and lacustrine dynamics; experience with developing model grids using bathymetry data; exposure to hydrological and weather forecasting; programming/scripting experience (MATLAB, R, Python, etc.); a publication record.

PREFERRED QUALIFICATIONS: Ph.D. in physical or biological oceanography, hydrology, water resources management, civil, mechanical or environmental engineering. Experience with with existing models such as CALSIM, HEC-RAS, CE-QUAL-W2 or DYRESM or related models; geographic information systems data and tools; basic familiarity with SQL; experience with plotting and presenting scientific data. Familiarity with ecology and/or salmon research is beneficial, but is not necessary. Applicants should also be able to work accurately with close attention to detail; have good organizational, time management, and problem-solving skills; and possesses strong communication and interpersonal skills.

POSITION AVAILABLE: As soon as possible after closing date.

TERM OF APPOINTMENT: The initial appointment is for one year, with the possibility of extension. Should the hiring unit propose reappointment, a review to assess performance will be conducted. Reappointment is also contingent upon availability of funding.

TO APPLY: Applications are accepted via the UCSC Academic Recruit online system, and must include a cv/resume, letter of application that addresses how you meet the qualifications, and contact information for 3 to 5 references. Documents/materials must be submitted as PDF files.

Apply at https://recruit.ucsc.edu/apply/JPF00341
Refer to Position #JPF00341-16T in all correspondence.

*CLOSING DATE: Review of applications will begin on January 25, 2016. To ensure full consideration, applications should be complete by this date. The position will remain open until filled, but not later than 6/30/2016.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, age, or protected veteran status. UC Santa Cruz is committed to excellence through diversity and strives to establish a climate that welcomes, celebrates, and promotes respect for the contributions of all students and employees. Inquiries regarding the University's equal employment opportunity policies may be directed to: Office for Diversity, Equity, and Inclusion at the University of California, Santa Cruz, CA 95064; (831) 459-2686. Under Federal law, the University of California may employ only individuals who are legally able to work in the United States as established by providing documents as specified in the Immigration Reform and Control Act of 1986. Certain UCSC positions funded by federal contracts or sub-contracts require the selected candidate to pass an E-Verify check. More information is available here or from the Academic Personnel Office (APO) at (831) 459-4300. UCSC is a smoke & tobacco-free campus.

If you need accommodation due to a disability, please contact the Academic Personnel Office at apo@ucsc.edu (831) 459-4300.

VISIT THE APO WEB SITE AT: http://apo.ucsc.edu

12/23/15