



CALFED BAY-DELTA PROGRAM

RESOURCES AGENCY CALFED BAY-DELTA PROGRAM

The CALFED Bay-Delta Program is a collaborative effort of 25 state and federal agencies that joined together to support a 30-year plan to restore the ecosystem and ensure water supplies of the Sacramento-San Joaquin Delta. That plan, the CALFED Record of Decision, will conclude its seventh year of implementation at the end of 2007. It has been carried out through four program objectives: levee system integrity, water quality, water supply reliability and ecosystem restoration. Those four objectives are implemented through 11 program elements.

The Bay-Delta is the largest estuary on the Pacific Coast, draining nearly half of the state's runoff and providing drinking water to 24 million Californians in varying degrees. For example, the Delta supplies 23 percent of Kern County's water and 30 percent of Southern Californian's water. It also is a key driver of the state's \$31 billion agricultural economy that supplies 50 percent of the nation's fruits and vegetables and 25 percent of its dairy products. The Delta is home to 700 native species of plants and animals, traversed by hundreds of gas lines, six highways, five high voltage lines and three railroads and hub of the state's major water supply system, the Delta touches the lives of almost every Californian every day.

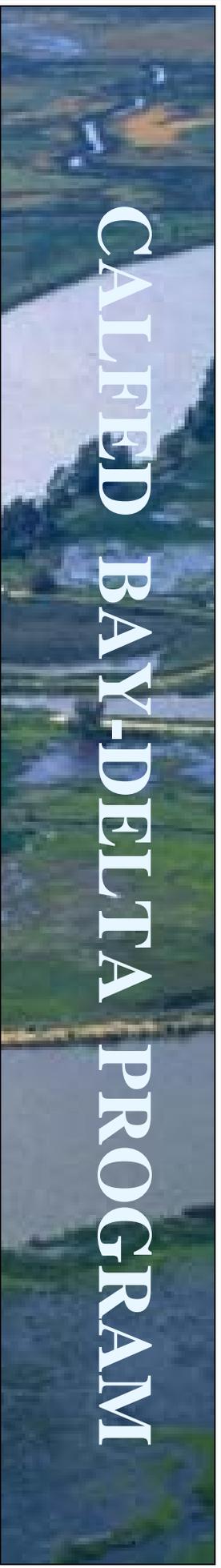
CALFED is a comprehensive approach to reducing the state's long-standing conflicts over limited water supplies and addressing its long-term water needs.

Unprecedented Scope and Vision

The CALFED Bay-Delta Program is the largest, most comprehensive water management and ecosystem restoration program in the world. Its ecosystem restoration component is the most complex and extensive ever proposed and its water conservation effort is the most intensive ever attempted. It is the most far-reaching effort to improve drinking water quality for millions of Californians and the most unprecedented commitment to watershed restoration. Finally, its past, current and future actions together comprise the most significant investment in storage and conveyance in decades.

Funding

Billions of state and federal dollars have been made available for the CALFED effort. Continued voter support for improving water supply, protection, education, research, conveyance and ecosystem health has been demonstrated with the passage of Proposition 204 – The Safe, Clean Reliable Water Supply Act of 1996; Proposition 13 – The Safe Drinking Water, Watershed Protection and Flood Protection Act of 2000; Proposition 50 – The Water Security, Clean Drinking Water, Coastal and Beach Protection Act of 2002; and most recently Proposition 84 – The Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006, which provides \$5.4 billion in new funding for natural resource conservation, flood control, nature education and research, and statewide water management and planning.



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SCIENCE PROGRAM

The CALFED Science Program (<http://science.calwater.ca.gov>) was established in August 2000 by the California Bay-Delta Record of Decision (<http://www.calwater.ca.gov/Archives/GeneralArchive/RecordOfDecision2000.shtml>). The long-term goal of the Science Program is to establish a body of knowledge relevant to CALFED actions and their implications. That body of knowledge, both in perception and reality, must be unbiased, relevant, authoritative, integrated across program elements, and communicated to the scientific community, CALFED agency managers, stakeholders, and the public.

There are four broad objectives to the Science Program:

- Provide a comprehensive and integrated scientific context for CALFED activities
- Ensure continuous advancement of credible scientific information that will guide management decisions and water project operations
- Establish a framework to identify and articulate areas of scientific uncertainty relevant to key issues both before and after actions
- Develop strategies to reduce uncertainties and track performance and progress toward CALFED goals

LEAD SCIENTIST

The Lead Scientist and the Science Program are charged with ensuring application of scientific principles and promoting peer review throughout CALFED to ensure high quality in program planning, implementation and evaluation. The Lead Scientist also nominates and establishes standing boards and independent review panels of experts as part of the independent science review of the entire CALFED Program. The Lead Scientist also identifies, refines and implements the science agenda for the CALFED Program. This includes new science needs and a vision for assimilating the large amounts of scientific data and information generated by the CALFED Program into management decisions. An important part of the job includes developing, leading and sustaining dialogues and public discussions of technical issues among the stakeholder community, managers and directors of implementing agencies, and academic researchers.

Qualifications

- Ph.D. or equivalent experience that includes a natural science background and extensive experience working with natural scientists, engineers, policy makers, agency managers, agency directors, politicians, and stakeholders from many perspectives
- Evidence of stature in the broad scientific community including invited contributions to workshops, conferences or panels, evidence of scientific leadership, membership in prestigious scientific organizations, awards of merit, etc.
- Experience advising top managers and policy makers and promoting constructive integration of interdisciplinary science in natural resource management, especially in areas relevant to water management and/or ecosystem restoration
- A strong record of publication in the peer-reviewed literature and other evidence of expertise relevant to the CALFED Program
- Evidence of the ability to work and communicate well with people from different professional backgrounds and weigh issues in a balanced manner when in an advisory capacity
- Evidence of the ability to work and think across disciplines and experience in working with and advising on complex issues that integrate multiple disciplines

COMMUNITY

While exhibiting pride in its heritage that encompasses the Gold Rush, Pony Express and railroad pioneers, the Sacramento region is a growing, bustling modern center of the world's sixth largest economy. With a population of more than 2 million, the region boasts a Mediterranean climate typical of the Central Valley, but with a twist: cool nighttime breezes from the Pacific blow through the Delta, cooling off Sacramento and surrounding counties. Sacramento enjoys mild year-round temperatures, an abundance of sunshine in the summer and cool, rainy and foggy days in the winter.

Attractions of the region include quaint shops on downtown arterials to upscale shopping malls and renowned cultural attractions, including museums, historical sites, professional ballet, opera and theater companies. A professional NBA team, a minor-league baseball team and a world-



champion WNBA team round-out the professional sports scene, and there are plenty of college teams to root for and countless fish to catch on the American and Sacramento rivers. In addition to salmon and steelhead fishing, recreational opportunities include river rafting and boating, golfing on 540 acres of quality greens and fairways and more than 2,000 acres of park lands. Surrounding towns, particularly in the foothills, display the region's historical roots. Evening entertainment offers a rich variety of choices from high-brow to piano bars and art walks. What's more, Lake Tahoe, Napa Valley, San Francisco, the Pacific Ocean and Reno, NV are all within a two-hour drive.

COMPENSATION

The U.S. Geological Survey will be the host agency and the position will be for a multiyear term as an assignment to the USGS from any public, university or non-profit institution. Benefits will be covered through the home institution. The individual will be working out of the CALFED Bay-Delta Program offices in Sacramento, CA.

The salary range will be at a federal grade of GS-15 (\$111,000 - \$144,000).

For more information on how to apply, contact Michelle Shouse (mkshouse@calwater.ca.gov).