\mathbf{N}	CALFED Progress Report ConfirmationNumber
Sea Grant	California Sea Grant College Program 20110830083927
California	<u></u>
	ProjectYear_2A <u>3rd</u> ProjectNo_2C <u>R/SF-30</u>
Printed: 8/30/201	11 8:40:24 AM TypeQuestionnaire_2B Completion Questionnaire
Preparer Informatio	n
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Project Information	
ProjectNo_2C	<u>R/SF-30</u> StartDate_3a <u>01/2008</u> EndDate_3b 06/2011
ProjectTitle_4	Environmental Water: Developing Indicators and Identifying Opportunities
CALFed Fellow conte	
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Research Mentor (f	or additional please see #8)
RMTitle 6A	Dr. RMLastName_6B Young RMFirstName_6C Oran RMInit_6D R
RMInstitution 6E	University of California, Santa Barbara
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Community Mentor ((for additional please see #9)
CMTitle_7A	Dr. CMLastName_7B Baxter CMFirstName_7C Randy CMInit_7D
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CMPositionTitle_7N	Senior Biologist
	Mentors and Community Mentors
Additional Resea	

ProjectNo_2C R/SF-30

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Project Objectives. Please type your responses, and prover the questions in a style oppropriate for lownee ProjectObjectives_10 Anstralinging many climate charactering they have erry clifferency series of programmers nnnar af prografs in meeting sach of these goals and digest res ProgressSummary 11 A seven dense of a bar when productors and performs in California has been complexized and reaches been completed. Th dealers werdens form the Department of Mean Research in Subarment - Additional data on the president formers of athe were many production form complete, and along their portugation in Subarment Campersian Augustics. The data base been used to predict whithis and also alban which grantes are written to community court orders also program the CDM.C MET, or other water conservations and which courses the program his second in decrement rater are provided out the CDM.C features show the recompensation remains and most appreciation less the type to provide the program. The statings the show that the program has not counted an approximation of a program less the type to provide the program. The statings the show that the program has not counted an approximation of a program to a provide the formation of the program. The statings the show to reselve water description in a been consistent to both California and scenario. The fundamentary description of the second se

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PROJECT MODIFICATIONS: Please explain any substantial modifications in research plans, including new directions pursued. Describe major problems encountered, especially problems with experimental protocols and how they were resolved. Describe any ancillary research topics developed.

Modifications_12

The PWSS production data turned out to have many missing values so complete time series were not able to be produced. As a result an alternative approach has been developed: the data that are available are used to generate baseline values of water production and use that are then used to predict an agency's decision to voluntarily commit to a water conservation program and to evaluate whether the program has resulted in a reduction in per capita water use.

BENEFITS AND APPLICATIONS: Suggest the relevance of these new findings to management. Describe any accomplishment, that is significant effects your project has had on resource management or user group behavior. CALFED is looking for "management cue" (see http://science.calwater.ca.gov/pdf/soemgmtcues.pdf).

BenefitsApplic_13

The findings demonstrate that political institutions play a role in urban water agencies' decisions about conserving water. This influence can be targeted or taken into account when developing incentive programs for water conservation. For example, more resources may be needed for small urban water agencies.

On a broader scale, the results show that coalition building among water agencies is a consistently successful strategy for making programs more efficient, tapping into federal money, and gaining the benefits scale economies. This coalition building should be encouraged.

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Publications 14

(under second review) "Voluntary Environmental Programs in the Public Sector: Evaluating an Urban Water Conservation Program in California" the Policy Studies Journal

Presentation: "Multilevel Governance and Environmental Change: The scale politics of recycled water development for cities in California and Australia", the Earth System Governance meeting, Fort Collins, CO. 2011

COOPERATING ORGANIZATIONS: List those agencies and/or persons who provided financial, technical or other assistance to your project since inception. Describe the nature of their collaboration.

CoopOrganiz_15

Department of Water Resources, Dong Chen. Access to PWSS data

AWARDS: List any special awards or honors that you, or mentor or members of the research team, have received during the duration of this project.

Awards_16

Henry Luce Foundation "Science to Solutions" Doctoral Student Fellowship

UC Santa Barbara Dean's Fellowship

UC Santa Barbara Affiliate's Graduate Fellowship

KEYWORDS: List keywords that will be useful in indexing your project.

Keywords_17

policy, institutions, water management, cities

PATENTS: List any patents associated with your project.

Patents_18

Additions: Additional information can be added here. Please begin the text with the number of the question you are adding to.	
Additions_19	