

CALFed Progress Questionnaire California Sea Grant College Program

 $\begin{array}{c} \textbf{ConfirmationNumber} \\ 20071221102908 \end{array}$

1st Year ProjectNo 2C R/SF-15 ProjectYear 2A Printed: 4/25/2008 1:16:30 PM Interim Ouestionnaire TypeQuestionnaire 2B Preparer Information Lindsay Sullivan PrepName 1A PrepEmail 1B ljswr@sfsu.edu 415 435-7127 PrepPhone 1C **Project Information** ProjectNo_2C R/SF-15 **StartDate_3a** 01/01/07 $\textbf{EndDate_3b} \quad 12/31/08$ ProjectTitle 4 Prey selection of larval and juvenile planktivorous fish in the San Francisco Estuary. CALFed Fellow contact information Sullivan Fellnit_5D J FelTitle_5A Dr FelLast_5B FelFirst 5C Lindsay San Francisco State University FelInstitution 5E FelDepartment_5F Romberg Tiburon Center for Environmental Studies FelStreetAddr_5G 3152 Paradise Dr FelState_5l CA FelZip_5J 94920 FelCity 5H Tiburon FelPhone_5K 415 435-7127 FelFax 5L 415 435-7120 FelEmail_5M liswr@sfsu.edu FelPositionTitle_5N Postdoctoral Fellow Research Mentor (for additional please see #8) RMTitle_6A Dr RMLastName_6B Kimmerer RMFirstName_6C Wim RMInit_6D J RMInstitution 6E San Francisco State University RMDepartment_6F Romberg Tiburon Center for Environmental Studies 3152 Paradise Dr. RMStreetAddr_6G RMCity_6H Tiburon RMState_6I CA RMZip_6J 94920 415 338-3515 RMFax 6L 415 435-7120 RMPhone 6K RMEmail 6M kimmerer@sfsu.edu Senior Research Scientist RMPositionTitle 6N Community Mentor (for additional please see #9) CMTitle_7A Dr CMLastName_7B Sommer CMFirstNamt 7C Ted CMInit_7D State of California CMInstitution 7E

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MDepartment_7F CMStreetAddr_7G	Department of Water R 901 P Street, P.O. Box Sacramento	942836	1 05914 6424	
CMCity_7H CMPhone_7K	915 651-0180	CMState_7I <u>CA</u> CMZip_7G CMFax_7L	93814-0424	_
CMEmail_7M	tsommer@water.ca.gov	<u> </u>		_
MPositionTitle_7N	Senior Environmental S			_
dditional Research	Mentors and Community	Mentors		
Additional Resea	arch Mentors_8		Additional Con	mmunity Mentors_9
ProjectObjective: The abundance a decades. These o objective of this growth and surv development, in	s_10 and species composition changes have been correl project is to quantify pre ival of larvae and juvenil	ated to declines in the abunce by selection of larval and juvile fish depends on encounter	rancisco Estuary dance of planktive venile planktivor r with and consu	y have undergone several changes in the last twivorous fish, including delta smelt. The main brous fish in the San Francisco Estuary. Because umption of appropriate prey items during help determine how changes in the available pr
observations. Find known concentrates experiments, the	est, prey selection will be ations of mixed copepode individual components.	e measured in laboratory fees s. Ingestion will be quantifie of predation (encounter, atta	ding experiment ed using gut con ick, capture and	laboratory feeding experiments and (2) videouts during which fish will be incubated with intent analysis. Following the incubation lingestion) will be examined using videowhat controls prey selection.

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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

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BENEFITS AND APPLICATIONS Suggest the relevance of those new Endings to Humperier. Decorbe und accomplishment: that is significant effects your project has had an resource management or user group behavior. CALFED is surroughfur "management cue" (see http://survivo.com/com/com/pdf/seengastass.pdf)

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RUBLICATIONS: Lest one publications per descrip de prostitée, including status of pap Places arts des publication the constitues of	er (e.g. or revolve or press) If the owerd) that each fellow	purnal name conformace location or a required to submit on distinct	and date of presentation for an arel or parter	
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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.

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quipment, space and delta smelt were obtained from the FCCL. The FCCL is part of the Department of Biological and
gricultural Engineering, UC Davis, Bradd Baskerville-Bridges and Joan Lindberg of the FCCL and UC Davis provided guidance
n experimental design, data analysis and presentation. Equipment, space and striped bass were obtained from David Ostrach at t
athobiology, Conservation & Population Biology Laboratory (PCPBL), Department of Civil and Environmental Engineering,
niversity of California, Davis. David Ostrach also provided advice essential for successfully working with larval striped bass.
WARDS: List any special awards or honors that you, or mentor or members of the research team, have
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KEYWORDS: List keywords that will be useful in indexing your project.

Keywords_17

striped bass, Morone saxatilis, delta smelt, Hypomesus transpacificus, larvae, prey selection, prey preference, copepod, copepodite, nauplii

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PATENTS: List any patents associated with your project.

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

Additions_19

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