

## CONTRACT SUMMARY

This information will be made available to the public on the State Water Resources Control Board's (SWRCB) Website (see address below).

Use the "tab" and arrow keys to move through the form. If field is not applicable, please put N/A in block.

**Date filled out:** 11/21/2004

<b>A) Contract Information</b> Please use complete phrases/sentences. Fields will expand as necessary as you type.	
<b>1. Contract Number:</b> 041355520	
<b>2. Project Title:</b> INVESTIGATIONS OF SOURCES AND EFFECTS OF PYRETHROID PESTICIDES IN WATERSHEDS OF THE SAN FRANCISCO BAY ESTUARY	
<b>3. Project Purpose – Problem:</b> (problem being addressed) <i>The purpose of this project is to evaluate pyrethroids in sediments entering the San Francisco Estuary from local tributaries and their potential impact on benthic organisms.</i>	
<b>4. Project Goals:</b>	
<b>a. Short-term Goals:</b>	
1) Conduct a field study of six San Francisco Bay tributaries in April 2005.	
2) Develop dose-response information (LC50s) for standard EPA sediment toxicity testing species, and ecologically relevant species to the Estuary, for three pyrethroids (cypermethrin, permethrin, and bifenthrin).	
3) Develop and validate TIE procedures for sediment toxicity tests targeting toxicity caused by pyrethroids.	
<b>b. Long-term Goals:</b> N/A	
<b>5. Project Location:</b> (lat/longs, watershed, etc.) <i>Field study location will be: San Francisco Estuary Watershed</i>	
<b>a. Physical Size of Project:</b> (miles, acres, sq. ft., etc.) <i>The surface area of the San Francisco Estuary is 1196 Mm<sup>2</sup> (U.S. Geological Survey). The San Francisco Estuary watershed covers approximately 40% of the state of California (The Bay Institute).</i>	<b>b. Counties</b> included in the project: <i>Alameda, Contra Costa, Napa, San Mateo, Santa Clara, Solano, and Sonoma.</i>
<b>c. Legislative Districts:</b> (Assembly and Senate)	
<b>6. Which SWRCB program is funding this contract?</b> Please put an "X" by the one that applies. <input checked="" type="checkbox"/> Prop 13 <input type="checkbox"/> EPA 319(h) <input type="checkbox"/> Other	
<b>B) Contract Contact:</b> Refers to contract project director.	
<b>Name:</b> Sarah Lowe	<b>Job Title:</b> Environmental Scientist
<b>Organization:</b> San Francisco Estuary Institute	<b>Webpage Address:</b> sfei.org
<b>Address:</b> 7770 Pardee Lan, Oakland, CA 94621	
<b>Phone:</b> (510) 746-7384	<b>Fax number:</b> (510) 746-7300
<b>Email:</b> sarahl@sfei.org	
<b>C. Contract Time Frame:</b> Refers to the implementation period of the contract.	
<b>From:</b> September 1, 2004	<b>To:</b> March 31, 2007
<b>D) Project Partner Information:</b> Name all agencies/groups involved with project. <i>University of California at Davis - Marine Polutions Studies Lab (Brian Anderson), Department of Fish and Game - Marine</i>	

*Polutions Studies Lab ( )David Crane), University of California at Santa Crus (Russel Flegal/Genine Scelfo), Applied Marine Sciences - Livermore (Paul Salop).*

**E) Nutrient and Sediment Load Reduction Projection (if applicable):**

N/A

PLEASE PROVIDE A HARD COPY AND AN ELECTRONIC COPY TO YOUR CONTRACT MANAGER AND YOUR PROGRAM ANALYST WITH YOUR QUARTERLY/MONTHLY REPORT. ALL APPLICABLE FIELDS ARE MANDATORY. IF FIELD IS NOT APPLICABLE, PLEASE PUT N/A IN BLOCK. INCOMPLETE FORMS WILL BE RETURNED. THE ELECTRONIC VERSION OF THIS FORM CAN BE FOUND AT:  
<http://www.swrcb.ca.gov/nps/319hproj.html>.