

## PROJECT FUND - 2.8 million

Year	Grant #	Project Type	Applicant		Project Goals	Duration	Amount
			Lead Agency - Contact	Program			
2004	574	Education & Outreach	UC Cooperative Extension SLO County Mary Bianchi	Farm Water Quality Project	This project supports PGE SEP Criteria P11-P13 for other projects. We propose to deliver 3 UCCE/NRCS Farm Water Quality Short Courses in 2004/2005 and 3 Short Courses in 2005/2006 to a minimum of 180 producers. Outreach and short course follow-up with existing watershed working groups in the Coalition of Central Coast County Farm Bureaus (Coalition) will support completion of water quality management plans and practice implementation. Both English and Spanish courses will be offered.	24 months	\$71,376
2004	575	On-farm Implementation	RCD of Monterey County - Emily Hanson	Agricultural Conservation	RCD staff will assist at least 15 watershed working group members, landowners and growers to design and implement conservation practices that will improve water quality in Moss Landing Harbor and its tributaries. RCD staff will work with ALBA and MCFB to identify cooperators, with NRCS to design conservation practices, and with cooperators on implementation. The proposed project will also support demonstrations of inexpensive vegetative practices, and farmer education and training pertaining to self-monitoring of water quality to inform practice selection and improve production management.	36 months	\$282,290
2004	576	On-farm Implementation	RCD of Monterey County - Emily Hanson	Gully Stabilization	RCD staff will plan, design, and supervise the construction of conservation practices to arrest erosion at three gully sites on two properties. Accelerated runoff from strawberry farms has resulted in extensive gully erosion through the Elkhorn watershed. In addition to supporting the establishment of practices on upstream farms, this project will fund the construction of overland down drain pipes to carry excess stormwater water down slope, reducing wetland sedimentation by rates of 50 to 100 tons annually.	24 months	\$49,925
2005	679	Education & Outreach; On-site Implementation	RCD Monterey County Hanson	Overcoming Barriers to the Use of Non-crop Vegetation for Water Quality Improvement	Widespread concern exists by growers and shippers of fresh produce that vegetative practices may affect food safety by contaminating product with bacteria or vertebrate pests. The proposed project will address this major barrier to the implementation of vegetative practices by interviewing stakeholders, reviewing literature, assessing field situations and building consensus. The anticipated final products will be clarification of government agency positions on this topic and consensus within the fresh produce industry about what constitutes appropriate and reasonable measures to ensure food safety.	36 months	\$49,826
2005	680	On-farm Implementation	RCD Monterey County Hanson	Elkhorn Slough Watershed: Underground Pipe Installation and Sediment Basin Construction	The proposed project will substantially reduce erosion and sediment yield from three ranches. Site A includes a water and sediment detention basin, an underground stormwater pipe, and a constructed wetland. Site B includes a sediment basin and an underground stormwater pipe. Site C includes two sediment basins and an underground stormwater pipe. Cumulatively, these practices will treat 44 acres of cropped farmland and reduce erosion and sedimentation by approximately 730 tons annually.	24 months	\$49,893
2005	681	On-farm Implementation	RCD Monterey County Hanson	Moro Cojo-Santa Rita Creek: Underground Pipe Installation and Sediment Basin Retrofits	The proposed project will substantially reduce erosion and sediment yield from the project ranch. This project includes an underground stormwater pipe and the retrofitting of four water and sediment detention basins. These practices will treat approximately 50 acres of land in production for strawberries. The pipe will eliminate approximately 370 tons of gully erosion annually along 700 linear feet of roads, while the improved stability of the four sediment basins will improve sediment retention by approximately 320 tons of sediment annually.	24 months	\$49,883

Year	Grant #	Project Type	Applicant		Project Goals	Duration	Amount
			Lead Agency - Contact	Program			
2005	682	On-farm Implementation	RCD Monterey County Hanson	Carreros Creek Underground Pipe Installation and Sediment Basin Construction	The proposed project will substantially reduce erosion and sediment yield from the project ranch in conformance with the Water Quality Plan under development by the grower and complimentary to existing practices. This project will fund two underground stormwater pipes and one water and sediment detention basin. These practices will treat 40 acres of land in production for strawberries. The pipes will eliminate approximately 320 tons of annual gully erosion along 1500 linear feet of roads, while the basin will capture approximately 230 tons of sediment annually just above a blue line stream.	24 months	\$49,870
2005	683	Education & Outreach; On-site Implementation	Community Alliance with Family Farmers - Gibbos	-	During this three-year project, CAFF and the Coalition will install and demonstrate 10 projects in the Elkhorn Slough watershed. The project's measurable results will be to: 1) improve the quality of water running off the sites and protect the local hydrologic system; 2) educate growers and others in the watershed about the benefits of these practices and how to install and maintain them; and 3) increase the total number of plantings in the watershed in order to obtain cumulative effects of pollutant reduction.	36 months	\$200,000
2005	684	Education & Outreach	ALBA - Melone	-	For growers to implement water quality practices, outreach and planning are essential components to: 1. Provide culturally appropriate promotion and outreach to farmers in the targeted watersheds. 2. Assist farmers with completion of Farm Water Quality Plans, provide water quality education and promote and implement water quality practices. 3. Refer at least 60 farmers to technical assistance groups implementing water quality protection practices.	24 months	\$320,000
2005		On-farm Implementation	RCD Monterey County Hanson	Irrigation and Nutrient Efficiency	The Resources Conservation District of Monterey County (Resource Conservation District) requested \$49,843.42 to provide direct assistance to a minimum of 10 landowners and growers per year to implement enhanced irrigation and nutrient management practices in North Monterey County. The Resource Conservation District will provide this assistance over a three-year period starting December 1, 2005. The Resource Conservation District will provide site-specific irrigation and nutrient management recommendations, developed in cooperation with the University of California Cooperative Extension, the Santa Clara Valley Water District Regional Mobile Lab, and other local and regional experts.	36 months	\$49,843.00
2005		Education & Outreach; On-site Implementation	UCSC-Sheenan		The Center for Agroecology and Sustainable Food Systems, UC Santa Cruz (UCSC) requested \$50,000 to develop and evaluate field-scale nitrogen budgets and soil nitrogen testing. UCSC staff will develop this testing in association with management practice implementation for vegetable and strawberry systems that use cover crops and composts. The project staff will work on at least three ranches in northern Monterey County over two growing seasons starting in 2006. In addition, the UCSC staff will work with low-income and Spanish speaking growers. The UCSC staff will verify this project's intended outcome by a summary describing soil nitrogen dynamics in strawberry and vegetable production systems that use cover crops and mulching. They will also provide a summary of practices implemented on at least three farms in northern Monterey County.	24 months	\$50,000
2005	686	Education & Outreach	Coastal Watershed Council - Doan	-	At the end of this project (November 2007), water quality monitoring plans that employ RWQCB approved water quality monitoring and QA protocols, and QAPP documents will have been developed, implemented and data reported from up to 20 farm operation sites in North Monterey County. Staff will provide the training, tools, and on-site assistance to achieve this goal starting in early 2005. Farm operators will conduct the monitoring itself beginning as early as Fall 2005. Additionally, up to 80 farm operators, agency staff, and partner staff will attend the trainings for planning and monitoring.	30 months	\$180,417

PGE SEP GRANT SUMMARY TABLE FOR PROJECTS FUND

Year	Grant #	Project Type	Applicant		Project Goals	Duration	Amount
			Lead Agency - Contact	Program			
<b>Total dollar amount encumbered by contracts</b>							<b>\$1,403,323</b>
<b>Unencumbered value of funds</b>							<b>\$1,396,677</b>

MONITORING FUND - \$950,000

Year	Grant #	Project Type	Applicant		Project Goals	Duration	Total Amount
			Lead Agency Contact	Program			
2004	579	Monitoring of Long-Term Large Scale (Watershed-level)	UCCE Vegetable Crop and Weed Science - Richard Smith	Vegetable Crop and Weed Science	The goals of this project are to: 1) Assess status of water quality and beneficial uses in agricultural areas within the midlower Salinas River and tributary watersheds; 2) Identify problem areas associated with agricultural activities where Basin Plan objectives are not met or where beneficial uses are impaired; 3) Provide feedback to growers; and 4) Establish the foundation for a long term, industry-sustaining monitoring program that tracks changes in water quality over time.	14 months	\$250,000
2004	584	Monitoring to Evaluate the Effectiveness of Practices	UCCE Vegetable Crop and Weed Science - Richard Smith	Vegetable Crop and Weed Science	Work closely with growers and develop a list of winter cover crop practices that have a high probability of adoption by vegetable and strawberry growers in the Chualar Creek and Elkhorn Slough watersheds, respectively. On-farm trials of these acceptable practices will be established with cooperating growers. Evaluations of the practices will include evaluation of sediment and nutrient movement from fields under these practices. Information on the practices will be demonstrated and disseminated to growers.	18 months	\$87,507
2005	676	Monitoring of Large-scale (Watershed-level)	Monterey Bay Sanctuary Foundation - Hoover		The goals will identify concentrations of <i>E. coli</i> , nitrate and orthophosphate in two creeks and six storm drains within Salinas, to better evaluate the relative impact from urban and agricultural land uses. This data will serve as a baseline to evaluate the effectiveness of source control planning programs, and the results will be disseminated to supplement the Ag Water and Phase 1 NPDES monitoring requirements. The Ag Water Quality Coalition will promote the pro-active efforts made by local farmers to protect these watersheds and will engage citizens to become stewards and caretakers of their local creeks.	24 months	\$49,874
2005	581	Monitoring of Large-scale (Watershed-level)	Elkhorn Slough Foundation - Wasson		Our overall goal is to continue, expand, and improve our 15 year broad-scale water quality monitoring program. The funds to ESF/SENSERR will support a new Water Quality Scientist, as well as a Field Assistant and nutrient analyses. The funds to UCSC will support development of statistical approaches to detect long-term trends, assess pollution abatement strategies, and inform design of future programs. Measurable results will include better coordination with CCAMP, improved statistical and GIS analysis of results in an agricultural management context, more accurate nutrient data, and dissemination of results through publications, presentations and our website.	24 months	\$170,200
2005	582	Monitoring of Large-scale (Watershed-level)	UCSC - Los Huertos		Marc Los Huertos and his staff will monitor nutrient and sediment concentrations, turbidity and discharges to estimate the sediment and nutrient load for the Porter-Sloom Marsh, and model linear and non-linear relationships between discharge, suspended sediments, turbidity, and nutrient concentrations.	36 months	\$49,999
<p><b>Total dollar amount encumbered by contracts</b></p> <p><b>Unencumbered value of funds</b></p>							<p><b>\$607,680</b></p> <p><b>\$342,320</b></p>