

## *Grant Projects Database Report For The Delta Region*

| <i>Project Title</i>   | <i>Program Element</i> | <i>Calendar<br/>Year Funded</i> | <i>County</i> | <i>Grant<br/>Amount<br/>Awarded</i> | <i>Recipient</i>  |
|--|------------------------|---------------------------------|---------------|-------------------------------------|---|
| Veale-Byron Project/Rock Slough & Old River Water Quality Actions  | Drinking Water Quality | 2000                            | Contra Costa  | \$450,000                           | Contra Costa Water District   |
| Contra Costa County Knightsen Water Quality/Drainage Improvement   | Drinking Water Quality | 2001                            | Contra Costa  | \$100,000                           | Contra Costa Water District   |
| Sources & Magnitudes of Water Quality Constituents of Concern in Drinking Water Supplies Taken From the Sacramento/San Joaquin Delta   | Drinking Water Quality | 2001                            | Multiple      | \$45,000                            | Jones & Stokes  |
| Hydrologic Flow Measurement & Assessment of Organic Loads  | Drinking Water Quality | 2001                            | Sacramento    | \$300,000                           | United States Geological Survey   |
| Reducing Non-Point Dissolved Organic Carbon & Nitrogen Exports Rice Fields: A Pilot Study & Quantitative Survey to Determine the Effects of Different Hydrologic & Straw Management Best Management Practices                    | Drinking Water Quality | 2002                            | Contra Costa  | \$869,715                           | Contra Costa Water District   |
| Rock Slough & Old River Drainage Management  | Drinking Water Quality | 2002                            | Contra Costa  | \$1,300,000                         | Contra Costa Water District   |
| The Water You Play In Is The Water You Drink   | Drinking Water Quality | 2002                            | Contra Costa  | \$982,655                           | Contra Costa County Clean Water Program                                   |
| Investigating In-Situ Low Intensity Chemical Dosing to Decrease Delta Waters Dissolved Organic Carbon Concentrations & Disinfection By-Product Precursors While Accelerating Wetland Peat Accretion Rates & Reducing Flood Risks | Drinking Water Quality | 2002                            | Sacramento    | \$1,534,270                         | United States Geological Survey   |
| Determining the Contribution of Riverine In-Delta & Aqueduct Sources of Organic Loads in the State Water Project Using Accelerator Mass Spectrometry Carbon Dating & Stable Isotope  | Drinking Water Quality | 2002                            | San Joaquin   | \$396,088                           | California Department of Water Resources                                  |
| Resolution of Outstanding Issues in Delta Hydrodynamics & Water Quality Models   | Drinking Water Quality | 2002                            | San Joaquin   | \$155,000                           | K. T. Shum  |
| North Bay Aqueduct Alternative Intake Study  | Drinking Water Quality | 2002                            | Solano        | \$188,500                           | Solano County Water Agency  |
| North Bay Aqueduct Watershed Best Management Practices   | Drinking Water Quality | 2002                            | Solano        | \$399,608                           | Solano County Water Agency  |
| Rock Slough and Old River Water Quality Improvements   | Drinking Water Quality | 2003                            | Contra Costa  | \$2,825                             | Contra Costa Water District   |
| Contra Costa Canal Encasement Project  | Drinking Water Quality | 2004                            | Contra Costa  | \$7,313,716                         | Contra Costa Water District   |
| Development of a Delta Region Drinking Water Quality Management Plan   | Drinking Water Quality | 2004                            | Contra Costa  | \$250,000                           | Contra Costa Water District   |
| Development and Implementation of Ricefield Management Practices to Improve Water Quality  | Drinking Water Quality | 2004                            | Yolo          | \$1,157,763                         | University of California, Davis   |
| Evaluating BMP Effectiveness to Reduce Volumes and Improve Quality of Runoff from Urban Environments   | Drinking Water Quality | 2004                            | Yolo          | \$2,900,350                         | Department of Environmental Horticulture, University of California, Davis |
| Implementation of Buffer, Irrigation, and Grazing BMPs to Reduce Pathogens, TOC/DOC, and Turbidity from Rangeland and Irrigated Pasture  | Drinking Water Quality | 2004                            | Yolo          | \$886,133                           | University of California, Davis   |

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|--|------------------------|-----------------------------|--|-----------------------------|---|
| Long Term Risk of Groundwater and Drinking Water Degradation from Dairies and Other Nonpoint Sources in the San Joaquin Valley | Drinking Water Quality | 2004                        | Yolo   | \$1,557,661                 | University of California, Davis                           |
| Microsatellite DNA for Management and Protection of Endangered Central Valley Chinook Salmon                                   | Ecosystem Restoration  | 1995                        | Sonoma   | \$300,000                   | U.C. Davis Bodega Marine Laboratory                       |
| Riparian Habitat Restoration Verona-Collinsville (Phase 1-Feasibility Study)   | Ecosystem Restoration  | 1996                        | Contra Costa, Sacramento, Solano, Sutter, Yolo | \$500,000                   | Department of Water Resources                             |
| Invasion of the Bay-Delta Estuary By Introduced Species-Introduction of Non-Indigenous Aquatic Species Research Program        | Ecosystem Restoration  | 1996                        | Multiple                                       | \$197,000                   | San Francisco Estuary Institute                           |
| Sherman Island - Levee Habitat Demonstration Project - CANCELLED   | Ecosystem Restoration  | 1996                        | Sacramento                                     | \$480,000                   | California Department of Water Resources Central District |
| Banta-Carbona Fish Screen Project - CANCELLED  | Ecosystem Restoration  | 1996                        | See 97-M07                                     | \$100,000                   | Banta - Carbona Irrigation District                       |
| North Delta Area - Inventory of Rearing Habitat for Juvenile Salmon  | Ecosystem Restoration  | 1996                        | Solano   | \$24,500                    | California State University, Sacramento                   |
| Prospect Island - Develop Monitoring Plan  | Ecosystem Restoration  | 1996                        | Solano   | \$35,000                    | California Department of Water Resources                  |
| Prospect Island - Shallow Water Habitat/Wetlands Restoration Plan  | Ecosystem Restoration  | 1996                        | Solano   | \$2,500,000                 | United States Army Corps of Engineers                     |
| Research to Predict Evolution of Restored Diked Wetlands   | Ecosystem Restoration  | 1996                        | Solano   | \$575,172                   | School of Fisheries, University of Washington             |
| Yolo Bypass Habitat Restoration Study  | Ecosystem Restoration  | 1996                        | Yolo   | \$226,000                   | California Dept of Water Resources                        |
| Effects of Wetlands Restoration on Methyl Mercury Levels   | Ecosystem Restoration  | 1997                        | Multiple                                       | \$546,171                   | University of California, Davis                           |
| Monitoring of Delta Contaminants   | Ecosystem Restoration  | 1997                        | Multiple                                       | \$100,000                   | San Francisco Baykeeper                                   |
| Role of Contaminants in the Decline of Delta Smelt in the Sacramento-San Joaquin Estuary.                                      | Ecosystem Restoration  | 1997                        | Multiple                                       | \$437,326                   | University of California, Davis, Bodega Marine Laboratory |
| Sedimentation Movement and Availability and Monitoring in the Delta  | Ecosystem Restoration  | 1997                        | Multiple                                       | \$1,047,010                 | United States Geological Survey                           |
| Assessment and Implementation of Urban Use Reduction of Diazion and Chlorpyrifos (Sacramento County)                           | Ecosystem Restoration  | 1997                        | Sacramento                                     | \$663,500                   | Sacramento Area Stormwater Permittees                     |
| Cosumnes Start-up Stewardship and Restoration  | Ecosystem Restoration  | 1997                        | Sacramento                                     | \$1,985,100                 | The Nature Conservancy                                    |
| Tyler Island Levee Protection and Habitat Restoration Pilot Project  | Ecosystem Restoration  | 1997                        | Sacramento                                     | \$885,202                   | Habitat Assessment & Restoration Team, Inc                |
| Banta-Carbona Irrigation District Fish Screen Project  | Ecosystem Restoration  | 1997                        | San Joaquin                                    | \$938,875                   | Banta-Carbona Irrigation District                         |
| In-Channel Island Restoration/Demonstration (Phase 1 - Permitting and Design)  | Ecosystem Restoration  | 1997                        | San Joaquin                                    | \$270,270                   | Association of Bay Area Governments                       |

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| Franks Tract Restoration   | Ecosystem Restoration  | 1997                        | Solano                    | \$323,186                   | Moffat and Nichol Engineers   |
| Hastings Tract Fish Screen (Phase I - Feasibility Study)                               | Ecosystem Restoration  | 1997                        | Solano                    | \$27,000                    | Hastings Island Land Company  |
| Jepson Prairie Restoration and Conservation Plan                                       | Ecosystem Restoration  | 1997                        | Solano                    | \$244,801                   | Solano County Farmlands Open Space Foundation   |
| Liberty Island Acquisition   | Ecosystem Restoration  | 1997                        | Solano, Yolo              | \$8,926,000                 | US Fish & Wildlife Service  |
| Rhode Island Floodplain Management and Habitat Restoration - Phase I                   | Ecosystem Restoration  | 1998                        | Contra Costa, San Joaquin | \$25,000                    | California Department of Fish & Game  |
| Algae Toxicity Study   | Ecosystem Restoration  | 1998                        | Multiple                  | \$500,000                   | Central Valley Regional Water Quality Control Board                                   |
| Cosumnes River Acquisition, Restoration Planning and Demonstration                     | Ecosystem Restoration  | 1998                        | Multiple                  | \$750,000                   | The Nature Conservancy  |
| Culture of Delta Smelt   | Ecosystem Restoration  | 1998                        | Multiple                  | \$194,870                   | University of California, Davis, Department of Animal Science                         |
| Delta Dredging and Reuse Strategy  | Ecosystem Restoration  | 1998                        | Multiple                  | \$200,000                   | State Water Resources Control Board   |
| Delta Dredging and Reuse Strategy  | Ecosystem Restoration  | 1998                        | Multiple                  | \$24,000                    | Delta Protection Commission   |
| Delta Dredging and Reuse Strategy  | Ecosystem Restoration  | 1998                        | Multiple                  | \$276,000                   | California Department of Fish and Game  |
| Developing a Methodology to Accurately Simulate Entrainment of Fish (Pump Barge Study) | Ecosystem Restoration  | 1998                        | Multiple                  | \$200,000                   | CA Dept of Fish & Game  |
| Discover the Flyway  | Ecosystem Restoration  | 1998                        | Multiple                  | \$49,000                    | Yolo Basin Foundation   |
| Evaluation of Selenium Sources, Levels, and Consequences in the Delta                  | Ecosystem Restoration  | 1998                        | Multiple                  | \$1,627,117                 | US Geological Survey  |
| Cosumnes River Salmonid Barrier Program  | Ecosystem Restoration  | 1998                        | Sacramento                | \$188,255                   | Fishery Foundation of California  |
| Stone Lakes National Wildlife Refuge Land Acquisitions                                 | Ecosystem Restoration  | 1998                        | Sacramento                | \$2,622,500                 | US Fish & Wildlife Service  |
| Stone Lakes Water Hyacinth Education Program   | Ecosystem Restoration  | 1998                        | Sacramento                | \$9,600                     | Sacramento Regional County Sanitation District  |
| Support for McCormack-Williamson Tract   | Ecosystem Restoration  | 1998                        | Sacramento                | \$24,000                    | Department of Water Resources   |
| Twitchell Island Subsidence Study  | Ecosystem Restoration  | 1998                        | Sacramento                | \$3,583,000                 | Department of Water Resources   |
| Adult Fall-Run Chinook Salmon Movement in the Lower San Joaquin River and South Delta  | Ecosystem Restoration  | 1998                        | San Joaquin               | \$285,000                   | California Department of Fish and Game, Bay-Delta and Special Water Projects Division |
| Fern-Headreach Tidal Perennial Aquatic and Shaded River Aquatic Conservation Project   | Ecosystem Restoration  | 1998                        | San Joaquin               | \$425,000                   | L & L Farms   |

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| Local Watershed Stewardship Plan for the Lower Mokelumne River  | Ecosystem Restoration  | 1998                        | San Joaquin   | \$159,000                   | San Joaquin County Resource Conservation District                            |
| Prospect Island Habitat Protection Project  | Ecosystem Restoration  | 1998                        | San Joaquin   | \$2,000,000                 | US Army Corps of Engineers   |
| Cache Slough Habitat Enhancement  | Ecosystem Restoration  | 1998                        | Solano        | \$85,000                    | Reclamation District 2060  |
| Hastings Tract Fish Screen (Phase II - Construction)  | Ecosystem Restoration  | 1998                        | Solano        | \$271,250                   | Hastings Island Land Company   |
| Hill Slough West Habitat Demonstration Project - Phase I  | Ecosystem Restoration  | 1998                        | Solano        | \$200,000                   | California Department of Fish & Game   |
| Lower Putah Creek Watershed Stewardship Program   | Ecosystem Restoration  | 1998                        | Solano, Yolo  | \$100,500                   | Solano County, Department of Environmental Management, Plan                  |
| Reclamation District 2035 Fish Screen   | Ecosystem Restoration  | 1998                        | Yolo          | \$100,000                   | Reclamation District 2035  |
| An Evaluation of the Potential Impacts of the Chinese Mitten Crab ( <i>Eriocheir sinensis</i> ) on the Benthic Communities in the Sacramento-San Joaquin Delta and Suisun Bay | Ecosystem Restoration  | 1999                        | Multiple      | \$152,233                   | California Department of Water Resources                                     |
| Assessment of Pesticide Effects on Fish & Their Food Resources in the Sacramento/San Joaquin Delta  | Ecosystem Restoration  | 1999                        | Multiple      | \$1,586,894                 | University of California, Berkeley - Regents of the University of California |
| Dissolved Organic Carbon Release from Delta Wetlands, Part 1  | Ecosystem Restoration  | 1999                        | Multiple      | \$1,434,449                 | United States Geological Survey  |
| Fish Treadmill -- Developed Fish Screen Criteria for Native Sacramento-San Joaquin Watershed Fish   | Ecosystem Restoration  | 1999                        | Multiple      | \$823,000                   | University of California, Davis, Wildlife, Fish, & Conservation Biology      |
| Levee Setback Geomorphic Model  | Ecosystem Restoration  | 1999                        | Multiple      | \$104,458                   | University of California, Davis  |
| Purple Loosestrife Prevention, Detection & Control Actions for the Sacramento-San Joaquin River Delta System  | Ecosystem Restoration  | 1999                        | Multiple      | \$127,473                   | California Department of Food & Agriculture                                  |
| Purple Loosestrife Prevention, Detection & Control in the Sacramento/San Joaquin Delta & Associated Hydrologic Units  | Ecosystem Restoration  | 1999                        | Multiple      | \$201,306                   | California Department of Food & Agriculture                                  |
| Reducing Risk of Importation & Distribution on Non-Native Invasive Species Through Outreach & Education   | Ecosystem Restoration  | 1999                        | Multiple      | \$105,466                   | University of California, Davis  |
| Traveling Film Festival & Exhibit; McCormack-Williamson Restoration Film  | Ecosystem Restoration  | 1999                        | Multiple      | \$51,500                    | Independent Documentary Group  |
| Understanding Tidal Marsh Restoration Processes and Patterns: Validating and Extending the "BREACH" Conceptual Model  | Ecosystem Restoration  | 1999                        | Multiple      | \$1,042,246                 | University of Washington, School of Fisheries                                |
| Zebra Mussel Detection & Outreach Project   | Ecosystem Restoration  | 1999                        | Multiple      | \$100,000                   | California Department of Water Resources                                     |
| East Delta Habitat Corridor (Georgiana Slough)  | Ecosystem Restoration  | 1999                        | Sacramento    | \$1,100,000                 | Habitat Assessment & Restoration Team, Inc                                   |
| Habitat Restoration on McCormack-Williamson Tract Levees  | Ecosystem Restoration  | 1999                        | Sacramento    | \$860,778                   | The Nature Conservancy   |

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| McCormack-Williamson Tract Acquisition  | Ecosystem Restoration  | 1999                        | Sacramento                | \$5,356,000                 | The Nature Conservancy / California Wildlife Conservation Board                 |
| Lower Mokelumne Stewardship   | Ecosystem Restoration  | 1999                        | Sacramento, San Joaquin   | \$227,000                   | San Joaquin Resource Conservation District                                      |
| Cosumnes and Mokelumne Rivers Feasibility Study   | Ecosystem Restoration  | 1999                        | San Joaquin               | \$1,007,800                 | East Bay Municipal Utility District / The Nature Conservancy                    |
| Prospect Island Monitoring Project - CANCELLED  | Ecosystem Restoration  | 1999                        | Solano                    | \$915,000                   | CA Dept of Water Resources  |
| Reintroduction of Endangered Soft Bird's Beak to Restored Habitat   | Ecosystem Restoration  | 1999                        | Solano                    | \$178,889                   | University of California, Davis, Department of Environmental Science and Policy |
| Chronic Toxicity of Environmental Contaminants in Sacramento Splittail - A Biomarker Approach   | Ecosystem Restoration  | 1999                        | Yolo                      | \$673,684                   | University of California, Davis - Animal Sciences                               |
| Inundation of a Section of the Yolo Bypass to Restore Sacramento Splittail & Other Native Species. - CANCELLED  | Ecosystem Restoration  | 1999                        | Yolo                      | \$820,679                   | Natural Heritage Institute  |
| Culture of Delta Smelt Phase II & III   | Ecosystem Restoration  | 2000                        | Multiple                  | \$576,229                   | University of California Davis, Department of Animal Science                    |
| Dissolved Organic Carbon Release from Delta Wetlands - Part 2   | Ecosystem Restoration  | 2000                        | Multiple                  | \$1,030,000                 | United States Geological Survey   |
| McCormack-Williamson Tract Phase II Monitoring Project  | Ecosystem Restoration  | 2000                        | Sacramento                | \$572,886                   | University of California, Davis   |
| McCormack-Williamson Tract Phase II Restoration Planning  | Ecosystem Restoration  | 2000                        | Sacramento                | \$365,650                   | California Department of Water Resources  |
| Canal Ranch Habitat Restoration Phase II  | Ecosystem Restoration  | 2000                        | San Joaquin               | \$135,940                   | California Department of Fish & Game  |
| Liberty Island Acquisition and Restoration Phase I  | Ecosystem Restoration  | 2000                        | Solano, Yolo              | \$2,701,734                 | US Fish & Wildlife Service  |
| Transport, Transformation & Effects of Selenium and Carbon in the Delta: Implications for Ecosystem Restoration Program                                   | Ecosystem Restoration  | 2001                        | Contra Costa              | \$2,600,000                 | United States Geological Survey   |
| Watershed Stewardship in Marsh Creek: A Project to Protect Water Quality in the Western Delta   | Ecosystem Restoration  | 2001                        | Contra Costa              | \$126,000                   | Natural Heritage Institute  |
| Feasibility Study of the Ecosystem and Water Quality Benefits Associated with Restoration of Franks Tract, Big Break, and Lower Sherman Lake - WAS 01-N18 | Ecosystem Restoration  | 2001                        | Contra Costa, Sacramento  | \$1,218,105                 | California Department of Water Resources  |
| Demonstration Project for the Protection and Enhancement of Delta In-Channel Islands (Phase 2 - Construction & Monitoring)                                | Ecosystem Restoration  | 2001                        | Contra Costa, San Joaquin | \$928,150                   | Association of Bay Area Governments   |
| Fay Island Restoration Project, Phase I CANCELLED   | Ecosystem Restoration  | 2001                        | Contra Costa, San Joaquin | \$744,148                   | California Department of Fish & Game  |
| Educating Farmers and Landowners in Biological Resource Management  | Ecosystem Restoration  | 2001                        | Merced, Solano, Yolo      | \$1,066,593                 | Community Alliance with Family Farmers  |

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| Digital Soil Survey Mapping and Digital Orthophotoquad Imagery Development  | Ecosystem Restoration  | 2001                        | Multiple                 | \$502,100                   | Natural Resources Conservation Service / California Conservation Partnership |
| Fish Treadmill -- Developed Fish Screen Criteria for Native Sacramento-San Joaquin Watershed Fish   | Ecosystem Restoration  | 2001                        | Multiple                 | \$1,362,878                 | University of California Davis   |
| Food Resources for Zooplankton in the Sacramento-San Joaquin River Delta  | Ecosystem Restoration  | 2001                        | Multiple                 | \$576,422                   | UC Davis   |
| Juvenile Salmon Migratory Behavior Study in North, Central and South Delta  | Ecosystem Restoration  | 2001                        | Multiple                 | \$210,000                   | Natural Resource Scientists, Inc.  |
| Sedimentation in the Delta and Suisun Bay   | Ecosystem Restoration  | 2001                        | Multiple                 | \$1,367,684                 | United States Geological Survey  |
| The Influence of Flood Regimes, Vegetative and Geomorphic Structures on the Links Between Aquatic & Terrestrial Systems                                       | Ecosystem Restoration  | 2001                        | Sacramento               | \$2,521,236                 | University of California, Davis  |
| Lower Mokelumne River Restoration Program (Phase 2 - Woodbridge)  | Ecosystem Restoration  | 2001                        | San Joaquin              | \$680,000                   | Woodbridge Irrigation District   |
| Staten Island Acquisition   | Ecosystem Restoration  | 2001                        | San Joaquin              | \$35,110,873                | The Nature Conservancy   |
| Yolo Bypass Management Strategy, Phase II   | Ecosystem Restoration  | 2001                        | Solano, Yolo             | \$210,000                   | Yolo Basin Foundation  |
| Discover the Flyway II  | Ecosystem Restoration  | 2001                        | Yolo                     | \$197,987                   | Yolo Basin Foundation  |
| Reclamation District No. 108 Consolidated Pumping Facility and Fish Screen  | Ecosystem Restoration  | 2002                        | Colusa, Yolo             | \$630,000                   | Reclamation District 108   |
| Delta Smelt Culture and Research Program  | Ecosystem Restoration  | 2002                        | Contra Costa             | \$400,000                   | University of California, Davis  |
| Dutch Slough Tidal Marsh Restoration Project  | Ecosystem Restoration  | 2002                        | Contra Costa             | \$1,500,000                 | CA Dept of Fish & Game   |
| Life History of Egeria Densa in the Delta: Factors Controlling Production & Fragment Viability  | Ecosystem Restoration  | 2002                        | Contra Costa             | \$327,937                   | Portland State University  |
| Evaluation of Mercury Transformations & Trophic Transfer in the San Francisco Bay/Delta: Identifying Critical Processes for the Ecosystem Restoration Program | Ecosystem Restoration  | 2002                        | Contra Costa, Sacramento | \$2,262,567                 | US Geological Survey   |
| Determining the Mechanisms Relating Freshwater Flow & Abundance of Estuarine Biota (the "Fish-X2" relationships): Phase I                                     | Ecosystem Restoration  | 2002                        | Multiple                 | \$509,222                   | San Francisco State University-Romberg Tiburon Center                        |
| Distribution & Ecology of Lepidium Latifolium in Bay-Delta Wetlands   | Ecosystem Restoration  | 2002                        | Multiple                 | \$223,050                   | Environmental Science Associates   |
| Primary Production in the Delta: Monitoring Design, Data Analysis and Forecasting   | Ecosystem Restoration  | 2002                        | Multiple                 | \$315,811                   | University of California, Davis  |
| Selenium Effects on Health and Reproduction of White Sturgeon, Acipenser transmontanus, in the Sacramento-San Joaquin Estuary                                 | Ecosystem Restoration  | 2002                        | Multiple                 | \$150,047                   | University of California, Davis  |
| McCormack-Williamson Tract Restoration: Wildlife-Friendly Levee Management  | Ecosystem Restoration  | 2002                        | Sacramento               | \$2,476,835                 | The Nature Conservancy   |
| Geomorphic & Geologic Mapping for Restoration Planning, Sacramento-San Joaquin Delta Region   | Ecosystem Restoration  | 2002                        | Sacramento, Solano       | \$120,000                   | William Lettis & Associates, Inc.  |

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| Sustainable Restoration Technologies for Bay/Delta Tidal Marsh & Riparian Habitat  | Ecosystem Restoration  | 2002                        | Sacramento, Solano, Yolo | \$1,800,000                 | H.A.R.T., Inc.  |
| Staten Island Wildlife-Friendly Farming Demonstration  | Ecosystem Restoration  | 2002                        | San Joaquin              | \$1,507,459                 | Ducks Unlimited, Inc.   |
| Restoring Ecosystem Integrity in the Northwest Delta: Phase II   | Ecosystem Restoration  | 2002                        | Solano                   | \$246,370                   | Solano County Farmlands Open Space Foundation                                 |
| The Ecological & Economic Costs & Benefits of Alternative Agricultural Practices: Sediment, Nutrient, & Pesticides in Runoff From Conservation Tillage & Cover Cropped Systems | Ecosystem Restoration  | 2002                        | Stanislaus, Yolo         | \$1,892,916                 | UC Davis  |
| Big Break and Marsh Creek Water Quality and Habitat Restoration Program (was 02-P02-D)   | Ecosystem Restoration  | 2004                        | Unknown                  | \$357,146                   | California Coastal Conservancy  |
| Cosumnes River Preserve Perennial Pepperweed Control Project   | Ecosystem Restoration  | 2004                        | Unknown                  | \$23,550,000                | CA Dept of Water Resources  |
| Cosumnes River Preserve Perennial Pepperweed Control Project   | Ecosystem Restoration  | 2004                        | Unknown                  | \$418,995                   | UC Davis  |
| San Joaquin River DO Depletion Modeling - HydroQual, Inc.  | Ecosystem Restoration  | 2004                        | Unknown                  | \$500,000                   | HydroQual, Inc.   |
| San Joaquin River DO Depletion Modeling - UCD  | Ecosystem Restoration  | 2004                        | Unknown                  | \$863,732                   | UC Davis  |
| Demonstration of Technique for Reversing the Effects of Subsidence in the Sacramento-San Joaquin Delta   | Levees                 | 2000                        | Sacramento               | \$3,351,850                 | United States Geological Survey, Northwest Hydraulics Consultants, Hydrofocus |
| Bethel Island  | Levees                 | 2001                        | Contra Costa             | \$123,181                   | Bethel Island Municipal Improvement District                                  |
| Bradford Island  | Levees                 | 2001                        | Contra Costa             | \$4,867                     | Reclamation District 2059   |
| Byron Tract  | Levees                 | 2001                        | Contra Costa             | \$387,866                   | Reclamation District 800  |
| Coney Island   | Levees                 | 2001                        | Contra Costa             | \$5,952                     | Reclamation District 2117   |
| Holland Tract  | Levees                 | 2001                        | Contra Costa             | \$2,321                     | Reclamation District 2025   |
| Hotchkiss Tract  | Levees                 | 2001                        | Contra Costa             | \$95,864                    | Reclamation District 799  |
| Jersey Island  | Levees                 | 2001                        | Contra Costa             | \$216,564                   | Reclamation District 830  |
| Orwood/Palm Tract  | Levees                 | 2001                        | Contra Costa             | \$434,271                   | Reclamation District 2024   |
| Quimby Island  | Levees                 | 2001                        | Contra Costa             | \$605,913                   | Reclamation District 2090   |
| Roberts Island, Middle   | Levees                 | 2001                        | Contra Costa             | \$37,066                    | Reclamation District 524  |
| Ryer Island  | Levees                 | 2001                        | Contra Costa             | \$94,866                    | Reclamation District 501  |
| Terminus Tract   | Levees                 | 2001                        | Contra Costa             | \$8,174                     | Reclamation District 548  |

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| Veale Tract                | Levees                 | 2001                            | Contra Costa  | \$28,849                            | Reclamation District 2065                 |
| Winter Island              | Levees                 | 2001                            | Contra Costa  | \$132,942                           | Reclamation District 2122                 |
| Brannan-Andrus             | Levees                 | 2001                            | Sacramento    | \$557,356                           | Brannan-Andrus Levee Maintenance District |
| Grand Island               | Levees                 | 2001                            | Sacramento    | \$48,164                            | Reclamation District 3                    |
| McCormack-Williamson Tract | Levees                 | 2001                            | Sacramento    | \$335,388                           | Reclamation District 2110                 |
| Twitchell Island           | Levees                 | 2001                            | Sacramento    | \$187,973                           | Reclamation District 1601                 |
| Bacon Island               | Levees                 | 2001                            | San Joaquin   | \$1,278,913                         | Reclamation District 2028                 |
| Bishop Tract               | Levees                 | 2001                            | San Joaquin   | \$27,079                            | Reclamation District 2042                 |
| Bouldin Island             | Levees                 | 2001                            | San Joaquin   | \$183,462                           | Reclamation District 756                  |
| Brack Tract                | Levees                 | 2001                            | San Joaquin   | \$35,043                            | Reclamation District 2033                 |
| Canal Ranch Tract          | Levees                 | 2001                            | San Joaquin   | \$19,999                            | Reclamation District 2086                 |
| Empire Tract               | Levees                 | 2001                            | San Joaquin   | \$115,479                           | Reclamation District 2029                 |
| Fabian Tract               | Levees                 | 2001                            | San Joaquin   | \$31,438                            | Reclamation District 773                  |
| Fay Island                 | Levees                 | 2001                            | San Joaquin   | \$15,448                            | Reclamation District 2113                 |
| Jones Tract, Lower         | Levees                 | 2001                            | San Joaquin   | \$199,813                           | Reclamation District 2038                 |
| Jones Tract, Upper         | Levees                 | 2001                            | San Joaquin   | \$158,544                           | Reclamation District 2039                 |
| King Island                | Levees                 | 2001                            | San Joaquin   | \$173,995                           | Reclamation District 2044                 |
| Mandeville Island          | Levees                 | 2001                            | San Joaquin   | \$89,526                            | Reclamation District 2027                 |
| McDonald Island            | Levees                 | 2001                            | San Joaquin   | \$231,525                           | Reclamation District 2030                 |
| Medford Island             | Levees                 | 2001                            | San Joaquin   | \$32,746                            | Reclamation District 2041                 |
| New Hope Tract             | Levees                 | 2001                            | San Joaquin   | \$24,549                            | Reclamation District 348                  |
| Pescadero District         | Levees                 | 2001                            | San Joaquin   | \$2,243                             | Reclamation District 2058                 |
| Roberts Island, Lower      | Levees                 | 2001                            | San Joaquin   | \$109,995                           | Reclamation District 684                  |
| Roberts Island, Upper      | Levees                 | 2001                            | San Joaquin   | \$17,266                            | Reclamation District 544                  |
| Sargent-Barnhart Tract     | Levees                 | 2001                            | San Joaquin   | \$67,804                            | Reclamation District 2074                 |
| Sherman Island             | Levees                 | 2001                            | San Joaquin   | \$288,965                           | Reclamation District 341                  |

| <i>Project Title</i> | <i>Program Element</i> | <i>Calendar<br/>Year Funded</i> | <i>County</i> | <i>Grant<br/>Amount<br/>Awarded</i> | <i>Recipient</i>                             |
|----------------------|------------------------|---------------------------------|---------------|-------------------------------------|--|
| Shima Tract          | Levees                 | 2001                            | San Joaquin   | \$3,720                             | Reclamation District 2115                    |
| Smith Tract          | Levees                 | 2001                            | San Joaquin   | \$11,405                            | Reclamation District 1614                    |
| Tyler Island         | Levees                 | 2001                            | San Joaquin   | \$362,153                           | Reclamation District 563                     |
| Union Island, East   | Levees                 | 2001                            | San Joaquin   | \$29,323                            | Reclamation District 1                       |
| Union Island, West   | Levees                 | 2001                            | San Joaquin   | \$236,348                           | Reclamation District 2                       |
| Venice Island        | Levees                 | 2001                            | San Joaquin   | \$285,910                           | Reclamation District 2023                    |
| Victoria Island      | Levees                 | 2001                            | San Joaquin   | \$124,578                           | Reclamation District 2040                    |
| Weber Tract          | Levees                 | 2001                            | San Joaquin   | \$36,469                            | Reclamation District 828                     |
| Woodward Island      | Levees                 | 2001                            | San Joaquin   | \$77,252                            | Reclamation District 2072                    |
| Wright-Elmwood Tract | Levees                 | 2001                            | San Joaquin   | \$17,395                            | Reclamation District 2119                    |
| Cache-Hass Slough    | Levees                 | 2001                            | Solano        | \$405                               | Reclamation District 2098                    |
| Egbert Tract         | Levees                 | 2001                            | Solano        | \$4,366                             | Reclamation District 536                     |
| Hasting Tract        | Levees                 | 2001                            | Solano        | \$24,018                            | Reclamation District 2060                    |
| Stark Tract          | Levees                 | 2001                            | Solano        | \$1,665                             | Reclamation District 2089                    |
| Van Sickle Island    | Levees                 | 2001                            | Solano        | \$2,226                             | Reclamation District 1607                    |
| Yolano               | Levees                 | 2001                            | Solano        | \$8,067                             | Reclamation District 2068                    |
| Lisbon District      | Levees                 | 2001                            | Yolo          | \$21,381                            | Reclamation District 307                     |
| Netherlands          | Levees                 | 2001                            | Yolo          | \$33,877                            | Reclamation District 999                     |
| Rindge Tract         | Levees                 | 2001                            | Yolo          | \$231,914                           | Reclamation District 2037                    |
| Bethel Island        | Levees                 | 2002                            | Contra Costa  | \$83,369                            | Bethel Island Municipal Improvement District |
| Byron Tract          | Levees                 | 2002                            | Contra Costa  | \$124,808                           | Reclamation District 800                     |
| Coney Island         | Levees                 | 2002                            | Contra Costa  | \$16,313                            | Reclamation District 2117                    |
| Holland Tract        | Levees                 | 2002                            | Contra Costa  | \$25,647                            | Reclamation District 2025                    |
| Hotchkiss Tract      | Levees                 | 2002                            | Contra Costa  | \$44,657                            | Reclamation District 799                     |
| Jersey Island        | Levees                 | 2002                            | Contra Costa  | \$216,372                           | Reclamation District 830                     |
| Orwood/Palm Tract    | Levees                 | 2002                            | Contra Costa  | \$6,340                             | Reclamation District 2024                    |

| <i>Project Title</i>  | <i>Program Element</i> | <i>Calendar<br/>Year Funded</i> | <i>County</i> | <i>Grant<br/>Amount<br/>Awarded</i> | <i>Recipient</i>                          |
|---|------------------------|---------------------------------|---------------|-------------------------------------|---|
| Quimby Island   | Levees                 | 2002                            | Contra Costa  | \$158,096                           | Reclamation District 2090                 |
| Roberts Island, Middle  | Levees                 | 2002                            | Contra Costa  | \$14,893                            | Reclamation District 524                  |
| Ryer Island   | Levees                 | 2002                            | Contra Costa  | \$31,654                            | Reclamation District 501                  |
| Terminus Tract  | Levees                 | 2002                            | Contra Costa  | \$152,217                           | Reclamation District 548                  |
| Veale Tract   | Levees                 | 2002                            | Contra Costa  | \$7,560                             | Reclamation District 2065                 |
| Venice Island   | Levees                 | 2002                            | Contra Costa  | \$197,306                           | Reclamation District 2023                 |
| Victoria Island   | Levees                 | 2002                            | Contra Costa  | \$116,090                           | Reclamation District 2040                 |
| Webb Tract  | Levees                 | 2002                            | Contra Costa  | \$66,526                            | Reclamation District 2026                 |
| Winter Island   | Levees                 | 2002                            | Contra Costa  | \$56,127                            | Reclamation District 2122                 |
| Brannan-Andrus  | Levees                 | 2002                            | Sacramento    | \$274,870                           | Brannan-Andrus Levee Maintenance District |
| Grand Island  | Levees                 | 2002                            | Sacramento    | \$39,256                            | Reclamation District 3                    |
| McCormack-Williamson Tract Restoration, Planning, Design & Monitoring | Levees                 | 2002                            | Sacramento    | \$355,000                           | California Department of Water Resources  |
| Twitchell Island  | Levees                 | 2002                            | Sacramento    | \$109,313                           | Reclamation District 1601                 |
| Bacon Island  | Levees                 | 2002                            | San Joaquin   | \$117,932                           | Reclamation District 2028                 |
| Bishop Tract  | Levees                 | 2002                            | San Joaquin   | \$15,082                            | Reclamation District 2042                 |
| Bouldin Island  | Levees                 | 2002                            | San Joaquin   | \$24,944                            | Reclamation District 756                  |
| Brack Tract   | Levees                 | 2002                            | San Joaquin   | \$94,643                            | Reclamation District 2033                 |
| Canal Ranch Tract   | Levees                 | 2002                            | San Joaquin   | \$6,147                             | Reclamation District 2086                 |
| Empire Tract  | Levees                 | 2002                            | San Joaquin   | \$30,960                            | Reclamation District 2029                 |
| Fabian Tract  | Levees                 | 2002                            | San Joaquin   | \$19,534                            | Reclamation District 733                  |
| Fay Island  | Levees                 | 2002                            | San Joaquin   | \$38,515                            | Reclamation District 2113                 |
| Jones Tract, Lower  | Levees                 | 2002                            | San Joaquin   | \$99,201                            | Reclamation District 2038                 |
| Jones Tract, Upper  | Levees                 | 2002                            | San Joaquin   | \$48,645                            | Reclamation District 2039                 |
| King Island   | Levees                 | 2002                            | San Joaquin   | \$166,309                           | Reclamation District 2044                 |
| Mandeville Island   | Levees                 | 2002                            | San Joaquin   | \$157,679                           | Reclamation District 2027                 |

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|------------------------|------------------------|---------------------------------|---------------|-------------------------------------|--|
| McDonald Island        | Levees                 | 2002                            | San Joaquin   | \$274,655                           | Reclamation District 2030                    |
| Medford Island         | Levees                 | 2002                            | San Joaquin   | \$63,390                            | Reclamation District 2041                    |
| New Hope Tract         | Levees                 | 2002                            | San Joaquin   | \$36,032                            | Reclamation District 348                     |
| Pescadero District     | Levees                 | 2002                            | San Joaquin   | \$1,723                             | Reclamation District 2058                    |
| Roberts Island, Lower  | Levees                 | 2002                            | San Joaquin   | \$129,807                           | Reclamation District 684                     |
| Roberts Island, Upper  | Levees                 | 2002                            | San Joaquin   | \$169,581                           | Reclamation District 544                     |
| Sargent-Barnhart Tract | Levees                 | 2002                            | San Joaquin   | \$35,305                            | Reclamation District 2074                    |
| Sherman Island         | Levees                 | 2002                            | San Joaquin   | \$68,831                            | Reclamation District 341                     |
| Shima Tract            | Levees                 | 2002                            | San Joaquin   | \$2,383                             | Reclamation District 2115                    |
| Smith Tract            | Levees                 | 2002                            | San Joaquin   | \$23,175                            | Reclamation District 1614                    |
| Tyler Island           | Levees                 | 2002                            | San Joaquin   | \$148,794                           | Reclamation District 563                     |
| Union Island, East     | Levees                 | 2002                            | San Joaquin   | \$27,977                            | Reclamation District 1                       |
| Union Island, West     | Levees                 | 2002                            | San Joaquin   | \$46,052                            | Reclamation District 2                       |
| Woodward Island        | Levees                 | 2002                            | San Joaquin   | \$107,622                           | Reclamation District 2072                    |
| Wright-Elmwood Tract   | Levees                 | 2002                            | San Joaquin   | \$20,977                            | Reclamation District 2119                    |
| Egbert Tract           | Levees                 | 2002                            | Solano        | \$10,071                            | Reclamation District 536                     |
| Hasting Tract          | Levees                 | 2002                            | Solano        | \$30,794                            | Reclamation District 2060                    |
| Stark Tract            | Levees                 | 2002                            | Solano        | \$11,019                            | Reclamation District 2089                    |
| Van Sickle Island      | Levees                 | 2002                            | Solano        | \$8,414                             | Reclamation District 1607                    |
| Yolano                 | Levees                 | 2002                            | Solano        | \$16,100                            | Reclamation District 2068                    |
| Netherlands            | Levees                 | 2002                            | Yolo          | \$56,443                            | Reclamation District 999                     |
| Rindge Tract           | Levees                 | 2002                            | Yolo          | \$31,368                            | Reclamation District 2037                    |
| Bethel Island          | Levees                 | 2003                            | Contra Costa  | \$125,905                           | Bethel Island Municipal Improvement District |
| Bradford Island        | Levees                 | 2003                            | Contra Costa  | \$3,040,341                         | Reclamation District 2059                    |
| Hotchkiss Tract        | Levees                 | 2003                            | Contra Costa  | \$61,875                            | Reclamation District 799                     |
| Jersey Island          | Levees                 | 2003                            | Contra Costa  | \$2,475,232                         | Reclamation District 830                     |

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|---|------------------------|-----------------------------|-------------------------|-----------------------------|---|
| Webb Tract  | Levees                 | 2003                        | Contra Costa            | \$145,756                   | Reclamation District 2026                                     |
| Grand Island  | Levees                 | 2003                        | Sacramento              | \$2,420                     | Reclamation District 3  |
| Twitchell Island  | Levees                 | 2003                        | Sacramento              | \$187,973                   | Reclamation District 1601                                     |
| Empire Tract  | Levees                 | 2003                        | San Joaquin             | \$37,500                    | Reclamation District 2029                                     |
| New Hope Tract  | Levees                 | 2003                        | San Joaquin             | \$1,283,244                 | Reclamation District 348                                      |
| Sherman Island  | Levees                 | 2003                        | San Joaquin             | \$2,730,869                 | Reclamation District 341                                      |
| Van Sickle Island   | Levees                 | 2003                        | Solano                  | \$2,226                     | Reclamation District 1607                                     |
| Science Program Directed Action for Ecological Evaluation of Yolo Bypass to Support Floodplain Restoration  | Science                | 2001                        | Yolo                    | \$395,500                   | California Department of Water Resources                      |
| Research Studies Including the Tagging of Salmon Smolt to Determine Migratory Routes Near the Delta Cross Channel Under Different Tides and Gate Operations | Science                | 2002                        | Merced                  | \$26,660                    | San Luis & Delta-Mendota Water Agency                         |
| Co-Sponsored Peer Review of North Delta Flood Models with Levee Program   | Science                | 2002                        | Multiple                | \$15,000                    | Association of Bay Area Governments /University of California |
| Hydrodynamic and Transport Mechanisms in the Delta  | Science                | 2002                        | Multiple                | \$1,100,000                 | United States Geological Survey                               |
| Pilot Wetlands Monitoring - Organized Multidisciplinary Team to Conduct Integrated Studies (Phase I)  | Science                | 2002                        | Multiple                | \$1,500,000                 | Multiple Recipients*  |
| The Spatial Ecology and Population Dynamics of Delta Smelt Revealed by Otolith Biogeochemistry  | Science                | 2002                        | Multiple                | \$88,312                    | University of California Davis                                |
| Genetic Identification Methods for Splittail in the Sacramento Watershed  | Science                | 2002                        | Sacramento              | \$256,544                   | University of California Davis                                |
| Hydroacoustic Surveys to Determine the Distribution of Fish in the Sacramento River Near the Delta Cross Channel  | Science                | 2002                        | Sacramento              | \$88,829                    | United States Bureau of Reclamation                           |
| Install and Operate Five Flow Meters in the North Delta for the Delta Cross Channel Through Delta Facility Studies at the Delta Cross Channel               | Science                | 2002                        | Sacramento              | \$519,000                   | United States Geological Survey                               |
| Pilot Wetlands Monitoring Team Conduct Integrated Studies (Phase II)  | Science                | 2002                        | Sacramento              | \$3,700,000                 | San Francisco State University                                |
| Replaced In-Situ Flow Monitoring Equipment in the Delta   | Science                | 2002                        | Sacramento              | \$262,706                   | United States Geological Survey                               |
| Research Studies of the Migratory Pathways of Adult Salmon, Sturgeon, and Striped Bass and the Influence of the Delta Cross Channel on Those Pathways       | Science                | 2002                        | Sacramento              | \$385,057                   | California Department of Fish & Game                          |
| Interagency Ecological Program Fish Presence, Abundance, and Location Data  | Science                | 2002                        | Sacramento, San Joaquin | \$496,000                   | United States Geological Survey                               |
| Co-Sponsored Delta Island Subsidence and Accretion  | Science                | 2002                        | San Joaquin             | \$240,000                   | United States Geological Survey                               |
| Delta Water Quality: Analysis of Existing Data to Establish a Baseline  | Science                | 2002                        | San Joaquin             | \$231,225                   | University of Washington                                      |

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|---|------------------------|-----------------------------|------------------|-----------------------------|--|
| Ecological Evaluation of Yolo Bypass to Support Floodplain Restoration  | Science                | 2002                        | Yolo             | \$791,000                   | California Department of Water Resources                         |
| East Stockton Water District Pilot Project  | Storage                | 2001                        | San Joaquin      | \$1,341,000                 | Stockton East Water District                                     |
| Enhancement of the San Joaquin County Groundwater Monitoring Program  | Storage                | 2001                        | San Joaquin      | \$250,000                   | San Joaquin County Flood Control and Water Conservation District |
| Yolo County Groundwater Feasibility Study   | Storage                | 2001                        | Yolo             | \$385,000                   | Yolo County Flood Control & Water Conservation District          |
| Develop Groundwater Monitoring Program for The Non-Urban Portions of the Valley Area in Yolo County   | Storage                | 2002                        | Yolo             | \$200,000                   | Yolo County Flood Control & Water Conservation District          |
| Davis, City of  | Storage                | 2003                        | Yolo             | \$225,000                   | Davis, City of   |
| Dunnigan Water District   | Storage                | 2003                        | Yolo             | \$249,830                   | Dunnigan Water District  |
| Reclamation District 2068   | Storage                | 2003                        | Yolo             | \$249,614                   | Reclamation District 2068  |
| Irrigation Web Page, Computer Program To Provide Evapotranspiration Comparisons on Water Bills & Develop Outreach Program to Inform Users of Tools & Services Available to Improve Water Management | Water Use Efficiency   | 2000                        | Solano           | \$24,400                    | Solano Irrigation District                                       |
| Sub-Surface Drip Irrigation of Asparagus  | Water Use Efficiency   | 2001                        | San Joaquin      | \$299,500                   | Golden State Irrigation Services, Inc.                           |
| Purchase Equipment to Develop County-Wide Water-Well Pump Testing   | Water Use Efficiency   | 2001                        | Solano           | \$24,044                    | Solano Irrigation District                                       |
| Purchase of a Central Control Irrigation Station for the City of Suisun & Hand-Held Data Loggers/Recorders  | Water Use Efficiency   | 2001                        | Solano           | \$24,950                    | Solano County Water Agency                                       |
| Water Meter Project   | Water Use Efficiency   | 2002                        | Contra Costa     | \$49,000                    | Pleasantimes Mutual Water Company, Inc.                          |
| Large Landscape Irrigation System Incentive Program   | Water Use Efficiency   | 2002                        | Sacramento       | \$150,000                   | Regional Water Authority, Sacramento                             |
| Leak Detection and Repair Program   | Water Use Efficiency   | 2002                        | Sacramento       | \$386,750                   | Regional Water Authority, Sacramento                             |
| Banta-Carbona Irrigation District Modernization Feasibility Study   | Water Use Efficiency   | 2002                        | San Joaquin      | \$99,204                    | Banta-Carbona Irrigation District                                |
| Spill Reduction Feasibility Study   | Water Use Efficiency   | 2002                        | Solano           | \$89,000                    | Solano Irrigation District                                       |
| Contra Costa County Watershed Atlas and Creek Restoration Strategy  | Watershed              | 2001                        | Contra Costa     | \$50,000                    | Contra Costa County Community Development Department             |
| Yolo Bypass Watershed Planning Project  | Watershed              | 2001                        | Sacramento, Yolo | \$288,081                   | City of Woodland   |
| Lower Mokelumne River Watershed Education Project   | Watershed              | 2001                        | San Joaquin      | \$70,140                    | City of Lodi, Lodi Lake Nature Area Docent Council               |

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|---|------------------------|-----------------------------|---------------------------|-----------------------------|--|
| Lower Putah Creek Watershed Assessment and Stewardship Implementation Program | Watershed              | 2001                        | Solano, Yolo              | \$600,000                   | Solano County Water Agency                                 |
| Upper Mokelumne River Watershed Assessment                                    | Watershed              | 2002                        | Contra Costa, San Joaquin | \$200,000                   | Upper Mokelumne River Watershed Authority                  |
| Putah Creek - Yolo Housing Authority Project                                  | Watershed              | 2002                        | Solano, Yolo              | \$279,655                   | Solano County Water Agency                                 |
| Watershed Coordinator Grants  | Watershed              | 2004                        |                           | \$149,044                   | Sloughhouse Resource Conservation District                 |
| Watershed Coordinator Grants  | Watershed              | 2004                        |                           | \$311,591                   | Central Sierra Resource Conservation and Development       |
| Dry Creek Watershed Assessment  | Watershed              | 2004                        | Amador                    | \$225,000                   | Central Sierra Resource Conservation & Development Council |
| Cosumnes River Preserve Management Plan                                       | Watershed              | 2004                        | Sacramento                | \$692,150                   | Bureau of Land Management                                  |
| The Lower Mokelumne River Watershed Stewardship Plan                          | Watershed              | 2004                        | San Joaquin               | \$1,377,884                 | San Joaquin County Resource Conservation District          |

\* See Complete Grant For More Detail.

**Summary for 'CBDA Region' = Delta      294 projects**

**Total Grant Dollars Awarded:**

**\$211,738,306**