

# SDWSRF - Source Water Protection Program

## 2008 Draft SWP Project Priority List Including 2007 Universal Preapplications

SWP	BP	Pop.	WaterSystem	Project	WS Problem	Project Description	Costs	FY
SWWP-A	11	50	SOUTH SAN JOAQUIN IRRIGATION	5010040 002	Primary concern is microbial contamination from 1)cattle activities on watershed, 2) sanitary facilities (pit toilets) in the recreational areas, and 3) body contact recreation at the reservoir. This project would address all three sources.	Project will include berming and fencing the canal at critical areas to preclude cattle access, rerouting selected drains to prevent direct discharge of ag drainage to canal, construction of new sanitary facilities at the park to eliminate pit	\$2,000,000	2000
	11	600	San Francisco Regional Water System	3810001 122	(SFPUC No. 21) (Contaminants of concern are essentially microbial, potential from VOCs; sources of these contaminants are farms ranches, dwellings etc within the Upper Alameda Creek Watershed	VOC sources would be addressed by acquisition of critical watershed land within high water quality vulnerability ; Upper Alameda Creek	\$2,000,000	2000
	11	926	Squaw Valley Public Service District	3110020 004	The attached Draft Squaw Valley source Water Assessments describes the types of contaminants and the associated PCAs. The document also provides a relative ranking of the well exposure to potential sources of contamination.	Squaw Valley PSD Source water Protection Program. The project will identify, locate and map test wells, monitoring wells and abandoned wells that may create a conduit for contaminants to enter the groundwater. More than 50s of these	\$75,000	2001
	11	1000	City of Trinidad	1210018 003	This grant pre-application is intended to address PCAs in the Luffenholtz Creek Watershed, which impact the City of Trinidads water intake on Luffenholtz Creek. The proposed project will reduce turbidity due to high sediment	Treatment of sediment sources typically entails preventing the sediment from being mobilized and/or disconnecting the sediment source from the stream network. Final treatments for sediment sources will be identified in the Citys integrated	\$1,875,000	2008
	11	3434	TUD - Upper Basin Water System	5510012 013	The Tuolumne Utilities District (TUD) surface water supply is delivered from Lyons Reservoir through a network of 55 miles of unlined ditches, originally constructed to serve the needs of gold miners in the 1850's. The ditch system	In 2002, the District completed an update to its Watershed Sanitary Survey for the Tuolumne Ditch system. Based on the sanitary hazards identified in the Watershed Sanitary Survey, a number of ditch system improvement projects	\$2,500,000	2008
	11	3434	TUD - Upper Basin Water System	5510012 012	In the 1850s a ditch system was constructed in Tuolumne County to transport water to gold-rush-era miners. Today over six miles of that ditch system is used by PG&E to convey water to 77% of the County population including 13 of	This project involves the design and construction of 29,474 lineal feet of piping which would allow water to bypass the first section of the PG&E ditch and flow to a point where it could be diverted to a lower section of the PG&E ditch.	\$19,913,071	2008

SWP	BP	Pop.	WaterSystem	Project	WS Problem	Project Description	Costs	FY
SWWP-A	9	291398	Riverside, City of	3310031 001	The Drinking Water Source Assessment for North Orange Area prepared by Riverside in August 2000, showed the domestic wells (Deberry, Center Street, Electric St., Garner B, C and D, Moore-Griffith, Palmyrita, and Russell B & C) in	This project consists of converting approximately 200 residential onsite wastewater systems (septic) within the City of Riverside's Highgrove community (west of Freeway 215) and connecting them to City of Riverside's	\$5,000,000	2008
	8	11814	Nevada ID - Loma	2910006 022	Microbial from human and animal contact and septic systems; DBP precursors from organic load; contaminants in runoff from upslope urban area and roads	Relocate source water from 37,000 ft of canal and 90 AF regulating reservoir to 22,000 ft buried pipeline; deliver water via closed conduit from the source (Deer Creek) to the WTP.	\$20,200,000	2005
	8	12939	Nevada ID - E. George, Banner	2910004 007	Microbial from human and animal contact and septic systems; DBP precursors from organic load; contaminants in runoff from upslope urban area and roads	Relocate source water from 28,000 ft of canal to 10,000 ft buried pipeline; deliver water via closed conduit from the source (Deer Creek) to the WTP.	\$6,500,000	2005
	7	21053	Santa Fe I.D.	3710023 001	SWPP Joint reservoir project; urban runoff contaminants impact raw water quality	SWPP Joint reservoir project; urban runoff collection/diversion system	\$2,000,000	2000
	7	21053	Santa Fe I.D.	3710023 002	SWP at Lake Hodges Res; bacti, nutrients, DBP precursors; various PCAs; contam via runoff	Monitoring, PMB, education; baseline water quality monitoring;	\$2,000,000	2007
	4	125	ESTERO MUTUAL	2100519 002	Old fencing is broken or missing, possibly allowing livestock into surface water and watershed areas. Possibility of fecal contamination of surface water and watershed areas. Fencing in the entire property line around surface water and	There is a need to have property lines surveyed so fence lines can be installed or repaired. This would protect the water collection and water storage areas from livestock. Fencing would provide source water protection by keeping cows	\$21,600	2008
	4	597	NORTH EDWARDS WD	1510052 005	Septic tanks are installed in Zone A, B5 and B10 of Wells #1 and #2.	At present, there are vacant lots next to Wells 1 and 2. The Board of Directors would like to acquire the empty lots to prevent any more septic system installation close to the well heads.	\$50,000	2002
	4	3653	TUD - Columbia Water System	5510013 008	THE LOWER COLUMBIA DITCH LOOSES WATER THROUGH LEAKS AND IS CONTAMINATED BY LOCALIZED AG RUNOFF.	PIPE APPROXIMATELY 800 FEET OF DITCH AND GUNITE LINE APROXIMATELY 2000 FEET OF DITCH.	\$150,000	2006
	4	3653	TUD - Columbia Water System	5510013 007	THE MATELOT DITCH AND RESERVOIR THAT SUPPLY THE WTP ARE SUBJECT TO CONTAMINATION.	CONSTRUCT RESERVOIR IMPROVEMENTS AND PIPE THE MATELOT DITCH TO PROVIDE SOURCE WATER PROTECTION.	\$1,210,000	2006
	3	2500	Willow Creek C.S.D.	1210015 002	Storm Water Bypass- Willow Creek CSD water supply; Storm water runoff from state highways 299, 96 and county roads are collected by a storm water system and discharged into Willow Creek at a point up stream from the WCCSD infiltration gallery	Design and construct storm water interceptor and bypass of water system infiltration galleries.	\$80,000	2002

SWP	BP	Pop.	WaterSystem	Project	WS Problem	Project Description	Costs	FY
SWWP-A	3	3000	North Marin WD - Pt. Reyes	2110006 021	Micribial and chemical contamination associated with impacts of flooding of Lagunitas Creek on Wells 2 and 3.	As determined by feasibility study-modifications to wellheads, well casings, enclosures and surface grading and drainage. Study due 8/31/2000 per 10/28/99 Water Supply Permit.	\$100,000	2000
	3	56000	North Marin Water District	2110003 001	Dairy directly adjacent to reservoir. Reclassify from SRF to SWPP (6/11/01).	Develop Crypto Control Strategy installation of BMPs, sediment control structures, land/dairy purchase. Reclassify from SRF to SWPP	\$122,000	1998
	0	146	METTLER COUNTY WATER DISTRICT	1500401 002	The rural, farmworker community of Mettler was forced to abandon two community wells that were contaminated with Nitrates (238 ppm and 98 ppm) and Coliform bacteria in excess of the drinking water Maximum Contaminant Levels	Mettler is a small rural farmworker community with a Median Household Income of \$28,750. The project will design and build a community wastewater collection, treatment and disposal system that will eliminate the failing septic	\$2,500,000	2008
	0	625	TUD-Scenic View/Scenic Brook	5510033 006	THE PHOENIX DITCH THAT SUPPLIES THE WTP IS CONTAMINATED FROM RUNOFF CAUSING THE PLANT TO HAVE DIFFICULTY MEETING CAP.	CONSTRUCT A PIPELINE TO REPLACE THE OPEN DITCH FROM THE SHAWS FLAT PIPELINE TO PHOENIX ROAD.	\$200,000	2006
	0	121420	Elsinore Valley MWD	3310012 008	Elsinore Valley Municipal Water District (EVMWD) obtains its potable water supplies from local groundwater, local surface water from Canyon Lake, and imported water from the Metropolitan Water District of Southern California.	In accordance with the recommendations of the Groundwater Management Plan and Groundwater Quality and Modeling Project as funded by the Department of Water Resources, the Sedco Hills Septic Tank Conversion Project consists of the engineering and construct	\$10,000,000	2008
	0	1300000	East Bay MUD	0110005 020	SWPP Cryptosporidium and other pathogens have been identified with grazing activity near reservoirs and tributaries; project will address direct access of cattle / horses to ponds, streams / reservoirs in	SWPP EB watershed fencing to mitigate Cryptosporidium contamination. The project would (1) outfence approximately 30 ponds to prevent direct access of domestic animals of the ponds and supply alternative trough watering facilities at each pond site, an	\$2,000,000	2001
<b>Total of projects in SWPP Category SWWP-A = 22 projects</b>								
<b>Total Cost for Projects in Category SWWP-A :</b>						<b>\$80,496,671</b>		
SWWP-B	9	14501	Shafter, City of	1510019 003	NitratesPCAs = Septic systems Llanas Camp #4 well, Maple school water system, and City of Shafter wells The North Shafter neighborhood (population 1,054) has no community sewer. The low-income residents	A sewer collection system needs to be built in North Shafter to eliminate these failing & polluting septic systems and consolidate the Llanas camp and Maple School Water Systems with the city water systems. Building a sewage collection	\$3,507,000	2008

SWP	BP	Pop.	WaterSystem	Project	WS Problem	Project Description	Costs	FY
SWWP-B	3	5412	Montara Water and Sanitary District	4110010 021	Nitrate contamination in the Airport 3 and North Airport 2 wells is apparently migrating from agricultural property to the east. Nitrate concentrations often exceed the MCL. A shallow aquifer and proximity to the source make mitigation impossible.	Our project would focus on evaluating adjacent agricultural practices and education on BMPs, land acquisitions and /or establishing conservation easements.	\$150,000	2000
	0	0	THREE VALLEYS MWD	1910041 007	The Six Basins area straddles the Los Angeles-San Bernardino county line and includes six groundwater basins overlying the cities of Claremont, Pomona, La Verne, and Upland. The basins have experienced water quality problems in the past primarily	This multi-purpose project seeks to produce local groundwater from a basin that has historically exhibited water quality and rising water challenges. It is located within the Six Basins area, which includes cities in both Los Angeles	\$10,500,000	2008
	0	300	LAKE MORENA COUNTY PARK	3700903 001	Over the course of several years, and most recently in December of 2006, the source (well) has a history of higher than acceptable MCLs for Nitrates. The well in close proximity to a community without city sewer, dependent on leach fields waste	The source is within 30 feet of the community of Lake Morena and may be influenced by the individual leach fields servicing homes in this community. The source pumps water over one mile through a 3 steel pipe to a 40,000 gallon galv.	\$300,000	2008
	0	500	TRACT 92 C S D	5400903 004	Water Well Abandonment/Source Water Protection project Tract 92 Community Service District provides water to the unincorporated area known as Union Addition.	Water Well Abandonment/Source Water Protection The proposed project will include an evaluation of the number of old abandoned private water domestic wells that exist within the community.	\$225,000	2008
	0	1266	Buttonwillow CWD	1510011 005	The community of Buttonwillow has an old IMHOFF tank as its waste water disposal system. The wastewater treatment plant (WWTP) is owned by the Buttonwillow County Water District (District). The tank is 48 years old, it serves 420 homes, several businesses	The rural, low-income community of Buttonwillow has a 1999 median household income of \$28,370. The Community is dependent on groundwater for its water supply. The Project will address the Nitrate	\$2,500,000	2008
	0	14501	Shafter, City of	1510019 004	Nitrates from septic systems is a leading polluter of the area groundwater. The SWA all note the fluctuating Nitrate levels in the groundwater. The County and Central Valley Regional Water Quality Control Board have identified that high	The South Shafter area is in Block Group 1 of Census tract 40, in Kern County. The Median Household income is \$27,634 and an estimated population of 1,299 people. The South Shafter Projects Committee, County of Kern and City of	\$6,000,000	2008
	0	19696	HI DESERT WD	3610073 002	There are no District-owned wastewater facilities. The community relies on septic tanks to dispose of sewage. It is estimated that over 10,000 Yucca Valley households use septic systems to process waste. In addition, the entire commercial corridor of Y	The District plans to construct a wastewater collection and treatment system to eventually serve the entire District. This pre-application seeks funding for the first phase of those improvements, which includes an equivalent of	\$5,000,000	2008

SWP	BP	Pop.	WaterSystem	Project	WS Problem	Project Description	Costs	FY	
<b>Total of projects in SWPP Category SWWP-B = 8 projects</b>									
<b>Total Cost for Projects in Category SWWP-B :</b>				<b>\$28,182,000</b>					
SWWP-C	11	4071873	LOS ANGELES-CITY, DEPT. OF WATER & POWER	1910067	012	The San Fernando Basin (SFB) is a source of local water supply for the Cities of Los Angeles, Glendale, and Burbank. It is the primary source of local water supply for the City of Los Angeles (City), providing approximately 15 percent of the City's total	The shutdown of active production wells in the SFB, as well as the high possibility of more shutdowns in the future, is a key concern for the City. Through the San Fernando Basin Groundwater Contamination Reduction Project,	\$24,373,598	2008
	8	161257	POMONA - CITY, WATER DEPT.	1910126	009	The City of Pomona water system uses a combination of groundwater, surface, and imported supplies to meet its potable and recycled demand requirements. The City's groundwater supply system consists of four groundwater aquifers, Chino Basin, Pomona Basin,	By destroying the inactive wells, we are eliminating the possibility of surface contamination entering the local groundwater basins.	\$265,000	2008
	5	9000	Los Osos Community Services District	4010016	003	Groundwater Quality Monitoring Program-	See attachment A	\$500,000	2000
	5	9000	Los Osos Community Services District	4010016	001	Septic system abatement Project	See attachment A	\$2,000,000	2000
	4	25	Yosemite Alpine CSD	2210923	001	A protected watershed for the entire Fish Camp area is being proposed. No other watersheds exist in the Fish Camp area. Development of the proposed watershed area would place (4) water systems in jeopardy of becoming contaminated and/or	Create a common watershed to ensure an adequate long term supply of uncontaminated water for the entire Fish Camp area. The proposed watershed is of very high water quality. Due to ist protected loc, the water quality can be	\$2,000,000	2004
	4	2535	Borrego WD	3710036	003	The Borrego Valley aquifer is the sole source of water for Borrego Springs residents and visitors. 60 years of overdraft have reduced its storage by over 500,000 acre-feet and the high quality of the remaining potable water is threatened	The scope of work for the sewer expansion study proposed to be funded by this grant is described briefly as follows: 1. Compile data about the Borrego Water District and Borrego Springs Park Community Services Districts existing	\$109,000	2008
	3	3967	CalAm - Arden	3410045	004	Nitrate contamination in the Fulton Fair Oak well is suspected to be associated with sewer or septic sources. Nitrate concentrations exceeing one-half the MCL at this well (in an established subdivision)	We propose to initiate a planning study to inventory PCAs, and vulnerability analysis. Based on the results of our study, we anticipate our project will include one or more of the following: Upgrade/abatement of septic systems, water	\$125,000	2000

SWP	BP	Pop.	WaterSystem	Project	WS Problem	Project Description	Costs	FY
SWWP-C	3	19272	CalAm - Rosemont	3410034	006 Nitrate contamination in the Montazuma well is suspected to be associated with sewer or septic sources. Nitrate concentrations exceeding one-half the MCL at this well (in an established subdivision)	We propose to initiate a planning study to inventory PCAs, and vulnerability analysis. Based on the results of our study, we anticipate our project will include one or more of the following: Upgrade/abatement of septic systems, water	\$125,000	2000
	3	32584	CalAm - Suburban	3410010	005 Nitrate contamination in the Malaga well is suspected to be associated with sewer or septic sources. Nitrate concentrations exceeding one-half the MCL at this well (in an established subdivision) suggest a	We propose to initiate a planning study to inventory PCAs, and vulnerability analysis. Based on the results of our study, we anticipate our project will include one or more of the following: Upgrade/abatement of septic systems, water	\$125,000	2000
	3	32584	CalAm - Suburban	3410010	006 Nitrate contamination in the Point Reyes well is suspected to be associated with sewer or septic sources. Nitrate concentrations exceeding one-half the MCL at this well (in an established subdivision)	We propose to initiate a planning study to inventory PCAs, and vulnerability analysis. Based on the results of our study, we anticipate our project will include one or more of the following: Upgrade/abatement of septic systems, water	\$125,000	2000
	3	32584	CalAm - Suburban	3410010	007 Nitrate contamination in the Whitewater well is suspected to be associated with sewer or septic sources. Nitrate concentrations exceeding one-half the MCL at this well (in an established subdivision)	We propose to initiate a planning study to inventory PCAs, and vulnerability analysis. Based on the results of our study, we anticipate our project will include one or more of the following: Upgrade/abatement of septic systems, water	\$125,000	2000
	3	44708	CalAm - Lincoln Oaks	3410013	010 Nitrate contamination in the Hemlock well is suspected to be associated with sewer or septic sources. Nitrate concentrations exceeding one-half the MCL at this well (in an established subdivision) suggest a	We propose to initiate a planning study to inventory PCAs, and vulnerability analysis. Based on the results of our study, we anticipate our project will include one or more of the following: Upgrade/abatement of septic systems, water	\$125,000	2000
	3	173359	SAN BERNARDINO CITY	3610039	017 The City of San Bernardino relies 100% on 47 groundwater wells for its domestic water supply. The Bunker Hill Groundwater Basin has identified plumes of VOCs, nitrates, DPCP, radiological, elevated levels of TDS, and perchlorate in	See attached description of project	\$400,000	2000
	0	1036	FAIROAKS PWS #44	3901348	002 Four (4) private out of service water wells exist on properties connected and adjacent to CSA 44, a public water system utilizing groundwater. These wells are a potential source of contamination to the areas groundwater. The project would entail the	The project would entail the destruction of these wells under permit of the San Joaquin County Environmental Health Department.	\$50,000	2008

**Total of projects in SWPP Category SWWP-C = 14 projects**

**Total Cost for Projects in Category SWWP-C : \$30,447,598**

SWP	BP	Pop.	WaterSystem	Project	WS Problem	Project Description	Costs	FY
SWWP-D	11	60000	South Tahoe PUD -	0910002 001	MTBE contamination from leaking underground fuel tanks has contaminated or is threatening to contaminate 12 District wells. The 12 wells have been shut off.	The district intends to implement a groundwater management plan, in full compliance with DWSAP assessments, that emphasizes the "early detection and immediate response" to MTBE/gasoline releases. To date, the District has	\$1,385,000	2000
	11	80453	MERCED, CITY OF	2410009 003	The problem to be addressed by the City and its Redevelopment Agency is protecting the municipal drinking water supply from a significant plume of hydrocarbon contamination emanating from at least two gas stations on R Street in central Merced. The plume	The Project focuses on preventing, treating, and removing the hydrocarbon contaminants the City's drinking water supply, while the City and Redevelopment Agency also work with gas station owners on remediation of soil and groundwater in the vicinity of th	\$1,500,000	2007
	6	750	Cuesta La Honda Guild, Inc.	4110012 002	Vineyard development and resultant siltation and contamination from	The project proposes to acquire the land or a conservation easement on the land immediately adjacent to Tunnel Spring and Woodhams Creek which are the sources of approximately 83% of the surface water... Doing so would prevent development of a vineyard...	\$2,000,000	2004
<b>Total of projects in SWPP Category SWWP-D = 3 projects</b>								
<b>Total Cost for Projects in Category SWWP-D :</b>					<b>\$4,885,000</b>			
SWWP-E	11	172781	City of Garden Grove	3010062 002	The City of Garden Grove is seeking to protect the Orange County Ground Water Basin through the proper destruction of inactive groundwater wells located throughout the City. Four (4) groundwater wells were identified by City	The City of Garden Grove is seeking grant funds in the amount of \$140,000 from Proposition 84, to fund the destruction of inactive wells, phase one. The four (4) identified inactive groundwater wells are located at the following sites: 10819 Taft	\$140,000	2008
	11	345556	City of Anaheim	3010001 004	Abandoned wells can threaten groundwater by allowing near surface contaminants to migrate down the well into deeper aquifers. In many parts of Anaheim, the upper aquifers are contaminated with volatile organic compounds, nitrates and high	Seven abandoned wells would be properly destroyed by a licensed well contractor. The elements of the project include: a) identify and resolve any legal issues pertaining to the property where the abandoned wells are located, b) obtain	\$250,000	2008
	0	48418	RIALTO-CITY	3610038 004	Perchlorate contamination in GW Basin	Drill barrier wells to stop spread of contamination	\$2,000,000	2003
<b>Total of projects in SWPP Category SWWP-E = 3 projects</b>								
<b>Total Cost for Projects in Category SWWP-E :</b>					<b>\$2,390,000</b>			

SWP	BP	Pop.	WaterSystem	Project	WS Problem	Project Description	Costs	FY
SWWP-F	6	1300000	East Bay MUD	0110005 029	Pardee Reservoir WQ Protection Conservation Easement; Microbial (septic systems), nitrate (from large livestock concentrations or agricultural fertilizers), chemicals (from herbicide/pesticide use)	Establish conservation easement on 700 acres of the watershed; Project addresses disinfection by-products, chemicals and microbial on watershed,	\$1,100,000	2002
	3	5458	ACWA Sutter Creek	0310003 006	System uses a 24 mile open canal, mostly earthen, to transport source water. The Canal is exposed to storm water run-off and livestock. See attached study.	Watershed management projects include fencing to prevent access from livestock, storm water drainage diversions, and related improvements.	\$1,131,000	2000
	3	56000	North Marin Water District	2110003 025	SWPP-Horse manure and associated contaminants (microbials, organic precursors to DBP) from stable operation adjacent to tributary to Stafford Lake.	SWPP-Develop a cooperative horse manure recycle program in conjunction with Marin County Stormwater Control Program.	\$50,000	2000
	3	56000	North Marin Water District	2110003 023	Storm events increase level of microbial and agricultural runoff (cattle) and sediments (erosion) impacts to Stafford	Buffer strip development with possible purchase of conservation easement son ranch property.	\$100,000	2000
<b>Total of projects in SWPP Category SWWP-F = 4 projects</b>								
<b>Total Cost for Projects in Category SWWP-F :</b>				<b>\$2,381,000</b>				
SWWP-H	7	177630	Sweetwater Authority	3710025 001	Contaminants include microbial and chemical constituents associated primarily with urban and rural residential	Funding would be used to purchase property in sensitive areas in order to provide control over potential microbial and chemical contamination and extend the Authority's ability to protect its source waters. Project will also include additional	\$900,000	2000
	4	600	San Francisco Regional Water System	3810001 111	(SFPUC No. 1) Microbial contamination from run-off and erosion of banks may be attributed to disrepair of the Alameda Creek tunnel outfall which discharges diverted water into the Calaveras Reservoir.	The contaminants of concern will be addressed by improvements to the tunnel. The slopes on either side of the tunnel will be stabilized and debris will be cleared, which will reduced the contribution of microbial contamination and	\$250,000	2000
	3	1189	CalAm - Isleton	3410012 002	The Isleton 2 well periodically shows evidence of raw water total coliform presence, an indicator of microbial	We propose to initiate a planning study to inventory PCAs, vulnerability analysis, provide public outreach and education programs along with program elements associated with CDWSAPP	\$95,000	2000
	3	3967	CalAm - Arden	3410045 003	The Larch Ln well periodically shows evidence of raw water totoal coliform presence and indicator of microbial	We propose to initiate a planning study to inventory PCAs, vulnerability analysis, provide public outreach and education programs along with program elements associated with CDWSAPP	\$95,000	2000

SWP	BP	Pop.	WaterSystem	Project	WS Problem	Project Description	Costs	FY
SWWP-H	3	3967	CalAm - Arden	3410045 005	The Fulton/Fair Oak well periodically shows evidence of raw water total coliform presence and indicator of	To initiate a planning study to inventory PCAs, vulnerability analysis, provide public outreach and education programs along with program elements associated with CDWSAPP	\$95,000	2000
	3	19272	CalAm - Rosemont	3410034 004	The Westporter well periodically shows evidence of raw water total coliform presence and indicator of microbial	We propose to initiate a planning study to inventory PCAs, vulnerability analysis, provide public outreach and education programs along with program elements associated with CDWSAPP	\$95,000	2000
	3	19272	CalAm - Rosemont	3410034 005	The Southport well periodically shows evidence of raw water total coliform presence and indicator of microbial	We propose to initiate a planning study to inventory PCAs, vulnerability analysis, provide public outreach and education programs along with program elements associated with CDWSAPP	\$95,000	2000
	3	33102	CalAm - Antelope	3410031 004	The Davidson well periodically shows evidence of raw water total coliform presence and indicator of microbial	We propose to initiate a planning study to inventory PCAs, vulnerability analysis, provide Public outreach and education programs along with program elements associated with CDWSAPP	\$95,000	2000
	3	43996	CalAm - Parkway	3410017 014	TheStocker well periodically shows evidence of raw water total coliform presence, an indicator of microbial	To initiate a planning study to inventory PCAs, vulnerability analysis, provide public outreach and education programs along with program elements associated with CDWSAPP	\$95,000	2000
	3	43996	CalAm - Parkway	3410017 013	The Briggs well periodically shows evidence of raw water total coliform presence, an indicator of microbial	To initiate a planning study to inventory PCAs, vulnerability analysis, provide public outreach and education programs along with program elements associated with CDWSAPP	\$95,000	2000
	3	43996	CalAm - Parkway	3410017 012	The Conrad well periodically shows evidence of raw water total coliform presence, an indicator of microbial	To initiate a planning study to inventory PCAs, vulnerability analysis, provide public outreach and education programs along with program elements associated with CDWSAPP	\$95,000	2000
	3	43996	CalAm - Parkway	3410017 011	The Rockhurst well periodically shows evidence of raw water total coliform presence an indicator of microbial	We propose t initiate a planning study to inventory PCAs, vulnerability analysis, provide public outreach and education programs along with program elements associated with CDWSAPP	\$95,000	2000
	3	44708	CalAm - Lincoln Oaks	3410013 011	The Crosswoods well periodically shows evidence of raw water total coliform presence, an indicator of microbial	We propose to initiate a planning study to inventory PCAs, vulnerability analysis, provide public outreach and education programs along with program elements associated with CDWSAPP	\$95,000	2000
	0	56000	North Marin Water District	2110003 022	SWPP-Microbial from failing septic systems in zone A of Stafford Lake.	SWPP-Seek voluntary repair of failing septic systems through a low interest loan program to qualified residents on Stafford watershed.	\$50,000	2000

SWP	BP	Pop.	WaterSystem	Project	WS Problem	Project Description	Costs	FY
SWWP-H	0	56000	North Marin Water District	2110003 024	Microbial pollution potential from older sewage collection system/force main serving golf course on watershed of Stafford water treatment plant.	Update system to current standards with pumping redundancy and spill protection.	\$125,000	2000
<b>Total of projects in SWPP Category SWWP-H = 15 projects</b>				<b>Total Cost for Projects in Category SWWP-H :</b>		<b>\$2,370,000</b>		
SWWP-I	8	26177	Rubidoux Community SD	3310044 006	The Rubidoux Community Services District relies on 100% local groundwater for our potable water supply. Incomplete expansion of the Districts sewage collection system has allowed new residential and commercial/industrial development to be approved with	The proposed project includes the installation of approximately 15,000 LF of 8 and 10 sewer mains in the areas of highest septic system concentrations. The project would also include the installation of sewer laterals to all properties to	\$3,000,000	2008
	5	9000	Los Osos Community Services District	4010016 002	Evaluation of Agricultural practices-See attachment A	See attachment A	\$100,000	2001
	0	8656	Mendota, City of	1010021 002	The hills to the West of Mendota, during construction of Interstate 5, became a collection point for unused material. This material is extremely rich in Boron, Selenium, and other select salts. Every year, runoff from rains in the hills channel	The project involves a combined effort between the City of Mendota, Westlands Water District, and the Panoche-Silver Creek CRMP to control these flood flows, and limit the Boron, Selenium, and other salts from entering both the San Joaquin	\$670,000	2008
	0	1300000	East Bay MUD	0110005 031	EBMUD's Bayside Groundwater Project will develop a new drinking water source using an aquifer storage and recovery (ASR) well in the deep aquifer of the South East Bay Plain Basin (SEBPB) located in the San Lorenzo area of Alameda County.	The certified EIR for the Bayside Groundwater Project includes mitigations measures to protect groundwater quality in the South East Bay Plain Basin (SEBPB). Funding requested in this grant pre-applicant will be used to implement those	\$300,000	2008
<b>Total of projects in SWPP Category SWWP-I = 4 projects</b>				<b>Total Cost for Projects in Category SWWP-I :</b>		<b>\$4,070,000</b>		
<b>Number of projects in SWP PPL= 73 projects</b>						<b>Grand Total:</b>	<b>\$155,222,269</b>	