

Safe Drinking Water State Revolving Fund

March 2008 Source Water Protection Project Priority List

SRF Category **SWWP-A**

Bonus	Type	Pop	District	Water System Name	Project Number	Problem	Project Description	Requested FY	Cost
11	C	50	10	SOUTH SAN JOAQUIN IRRIGATION DISTRICT	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 toilets, po	2000	\$2,000,000
11	C	600	4	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 Watershed	2000	\$2,000,000
11	C	926	9	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 wells exist.	2001	\$75,000
8	C	11653	21	Nevada ID - Loma Rica	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.	2005	\$20,200,000
8	C	12745	21	Nevada ID - E. George, Banner Mountain	2910004 007		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.	2005	\$6,500,000
7	C	20948	14	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	2000	\$2,000,000
4	C	600	19	North Edwards Water Dist.	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.	2002	\$50,000
4	C	3594	11	T.U.D. - 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.	2006	\$150,000
4	C	3594	11	T.U.D. - 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.	2006	\$1,210,000

SRF Category **SWWP-A**

Bonus	Type	Pop	District	Water System Name	Project Number	Problem	Project Description	Requested FY	Cost
3	C	1743	1	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 (WCCSD water)	Design and construct storm water interceptor and bypass of water system infiltration galleries.	2002	\$80,000
3	C	3000	18	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.	2000	\$100,000
3	C	56000	18	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 (6/11/01).	1998	\$122,000
0	C	623	11	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.	2006	\$200,000
0	C	1300000	4	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 the East Bay Watershed.	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	2001	\$2,000,000

Total Projects for 'Category' = SWWP-A (14 Projects)

Total Costs for Category: \$36,687,000

Total Population served in Category: 1416076

Bonus	Type	Pop	District	Water System Name	Project Number	Problem	Project Description	Requested FY	Cost
3	C	5412	17	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.	2000	\$150,000

Total Projects for 'Category' = SWWP-B (1 Project)

Total Costs for Category: \$150,000

Total Population served in Category: 5412

SRF Category **SWWP-C**

Bonus	Type	Pop	District	Water System Name	Project Number	Problem	Project Description	Requested FY	Cost
5	C	14351	6	Los Osos Community Services District	4010016 003	Groundwater WQ Monitoring Program-See attachment A	See attachment A	2000	\$500,000
5	C	14351	6	Los Osos Community Services District	4010016 001	Septic system abatement Project	See attachment A	2000	\$2,000,000
4	N	110	11	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 over drafted	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 its protected location, the water quality can be maintained w/o risk of contamination.	2004	\$2,000,000
3	C	4280	9	CalAm - Arden	3410045 004	Nitrate contamination in the Fulton Fair Oak 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 localized source.	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 quality monitoring in	2000	\$125,000
3	C	18912	9	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) suggest a localized source.	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 quality monitoring in	2000	\$125,000
3	C	34746	9	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) suggest a localized source.	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 quality monitoring in	2000	\$125,000
3	C	34746	9	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) suggest a localized source.	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 quality monitoring in	2000	\$125,000
3	C	34746	9	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 localized source.	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 quality monitoring in	2000	\$125,000
3	C	46857	9	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 localized source.	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 quality monitoring in	2000	\$125,000

SRF Category **SWWP-C**

Bonus	Type	Pop	District	Water System Name	Project Number	Problem	Project Description	Requested FY	Cost
3	C	140000	13	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 excess of current MCLs.	See attached description of project	2000	\$400,000

Total Projects for 'Category' = SWWP-C (10 Projects)

Total Costs for Category: \$5,650,000

Total Population served in Category: 343099

Bonus	Type	Pop	District	Water System Name	Project Number	Problem	Project Description	Requested FY	Cost
11	C	46900	9	South Tahoe PUD - Main	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 prepared a draft ordinance and bu	2000	\$1,385,000
6	C	750	17	Cuesta La Honda Guild, Inc.	4110012 002	Vineyard development and resultant siltation and contamination from agricultural pesticides.	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...	2004	\$2,000,000

Total Projects for 'Category' = SWWP-D (2 Projects)

Total Costs for Category: \$3,385,000

Total Population served in Category: 47650

Bonus	Type	Pop	District	Water System Name	Project Number	Problem	Project Description	Requested FY	Cost
0	C	37568	13	RIALTO-CITY	3610038 004	Perchlorate contamination in GW Basin	Drill barrier wells to stop spread of contamination	2003	\$2,000,000

Total Projects for 'Category' = SWWP-E (1 Project)

Total Costs for Category: \$2,000,000

Total Population served in Category: 37568

SRF Category **SWWP-F**

Bonus	Type	Pop	District	Water System Name	Project Number	Problem	Project Description	Requested FY	Cost
6	C	1300000	4	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, not in zones.	2002	\$1,100,000
3	C	5372	10	AWA 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.	2000	\$1,131,000
3	C	56000	18	North Marin Water District	2110003 023	Storm events increase level of microbial and agricultural runoff (cattle) and sediments (erosion) impacts to Stafford Lake.	Buffer strip development with possible purchase of conservation easement son ranch property.	2000	\$100,000
3	C	56000	18	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.	2000	\$50,000

Total Projects for 'Category' = SWWP-F (4 Projects)

Total Costs for Category: \$2,381,000

Total Population served in Category: 1417372

SRF Category **SWWP-H**

Bonus	Type	Pop	District	Water System Name	Project Number	Problem	Project Description	Requested FY	Cost
7	C	177630	14	Sweetwater Authority	3710025 001	Contaminants include microbial and chemical constituents associated primarily with urban and rural residential development.	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 watershed m	2000	\$900,000
4	C	600	4	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 sediment deposition into	2000	\$250,000
3	C	1267	9	CalAm - Isleton	3410012 002	The Isleton 2 well periodically shows evidence of raw water total coliform presence, an indicator of microbial contamination	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	2000	\$95,000
3	C	4280	9	CalAm - Arden	3410045 003	The Larch Ln well periodically shows evidence of raw water totoal coliform presence and indicator of microbial contamination	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	2000	\$95,000
3	C	4280	9	CalAm - Arden	3410045 005	The Fulton/Fair Oak well periodically shows evidence of raw water total coliform presence and indicator of microbial contamination	To initiate a planning study to inventory PCAs, vulnerability analysis, provide public outreach and education programs along with program elements associated with CDWSAPP	2000	\$95,000
3	C	18912	9	CalAm - Rosemont	3410034 005	The Southport well periodically shows evidence of raw water total coliform presence and indicator of microbial contamination.	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	2000	\$95,000
3	C	18912	9	CalAm - Rosemont	3410034 004	The Westporter well periodically shows evidence of raw water total coliform presence and indicator of microbial contamination.	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	2000	\$95,000
3	C	33578	9	CalAm - Antelope	3410031 004	The Davidson well periodically shows evidence of raw water total coliform presence and indicator of microbial contamination	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	2000	\$95,000
3	C	46428	9	CalAm - Parkway	3410017 011	The Rockhurst well periodically shows evidence of raw water total coliform presence an indicator of microbial contamination	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	2000	\$95,000

SRF Category **SWWP-H**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
3	C	46428	9	CalAm - Parkway	3410017	012	The Conrad well periodically shows evidence of raw water total coliform presence, an indicator of microbial contamination	To initiate a planning study to inventory PCAs, vulnerability analysis, provide public outreach and education programs along with program elements associated with CDWSAPP	2000	\$95,000
3	C	46428	9	CalAm - Parkway	3410017	013	The Briggs well periodically shows evidence of raw water total coliform presence, an indicator of microbial contamination	To initiate a planning study to inventory PCAs, vulnerability analysis, provide public outreach and education programs along with program elements associated with CDWSAPP	2000	\$95,000
3	C	46428	9	CalAm - Parkway	3410017	014	TheStocker well periodically shows evidence of raw water total coliform presence, an indicator of microbial contamination	To initiate a planning study to inventory PCAs, vulnerability analysis, provide public outreach and education programs along with program elements associated with CDWSAPP	2000	\$95,000
3	C	46857	9	CalAm - Lincoln Oaks	3410013	011	The Crosswoods well periodically shows evidence of raw water total coliform presence, an indicator of microbial contamination.	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	2000	\$95,000
0	C	56000	18	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.	2000	\$125,000
0	C	56000	18	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.	2000	\$50,000

Total Projects for 'Category' = SWWP-H (15 Projects)

Total Costs for Category: \$2,370,000

Total Population served in Category: 604028

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
5	C	14351	6	Los Osos Community Services District	4010016	002	Evaluation of Agricultural practices-See attachment A	See attachment A	2001	\$100,000
0	C	20948	14	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;	2007	\$2,000,000

Total Projects for 'Category' = SWWP-I (2 Projects)

Total Costs for Category: \$2,100,000

Total Population served in Category: 35299

Total Projects for all 'Categories' = (49 Projects)

Grand Total

\$54,723,000