APPENDIX G
STATEWIDE, REGIONAL, AND PARTNER AGENCY PRIORITIES

These Priorities (Appendix G) are part of the Final Draft 2005-06 Consolidated Grants Program Guidelines.

The full text of the 2005-06 Consolidated Grants Program Guidelines is available on-line at:
http://www.waterboards.ca.gov/funding/cg_guidelines.html

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Appendix G

(PART OF THE 2005-06 CONSOLIDATED GRANTS PROGRAM GUIDELINES.)

CALIFORNIA COASTAL COMMISSION (AGENCY ID: CCC) 189
CALIFORNIA DEPARTMENT OF FORESTRY (AGENCY ID: CDF) 189

I. ACRONYMS

ASBS	Areas of Special Biological Significance
BLM	Bureau of Land Management
BMP	Best Management Practice
BOD	Biological Oxygen Demand
BTEX	Benzene, Toluene, Ethylbenzene, and Xylene
Cal/EPA	California Environmental Protection Agency
CALFED	California Bay-Delta Authority
California Water Boards	State Water Resources Control Board and Regional Water Quality Control Boards
CCC	California Coastal Commission
CCA	Critical Coastal Area
CDF	California Department of Forestry
CVP	Central Valley Project
CWA	Clean Water Act
CRAM	California Rapid Assessment Method
DCR	Disadvantaged Community Ratio
DHS	Department of Health Services
DFG	Department of Fish and Game
DOC	Department of Conservation
DPR	Department of Parks and Recreation
DSS	Decision Support System
DWR	Department of Water Resources
EIR	Environmental Impact Report
EIS	Environmental Impact Study
EPA	Environmental Protection Agency
ERP	Ecosystem Restoration Program
ESU	Evolutionarily Significant Units
EWA	Environmental Water Account
GIS	Geographic Information System
GPS	Global Positioning System
HA	Hydrologic Area
HSA	Hydrologic Sub-Area
HU	Hydrologic Unit
HVAC	Heating, Ventilation and Air Conditioning
IBI	Index of Biological Integrity
IRWM	Integrated Regional Water Management
IWMP	Integrated Watershed Management Program
IWRP	Integrated Watershed Restoration Program
LID	Low Impact Development
LWD	Large Woody Debris
MTBE	Methyl Tertiary Butyl Ether
NCWAP	North Coast Watershed Assessment Program
NF	National Forest
NOAA	National Oceanic and Atmospheric Administration
NPS	Nonpoint Source

NRA	National Recreation Area
NRCD	Natural Resource Conservation District
NS	National Seashore
NWR	National Wildlife Refuge
OC	Organochlorine
OP	Organophosphorous
OPC	Ocean Protection Council
OSDS	On-Site Subsurface Disposal System
OSWT	On-Site Waste Treatment
PAH	Polycyclic Aromatic Hydrocarbons
PCB	Polychlorinated Biphenyls
POTW	Publicly Owned Treatment Works
Regional Water Board	Regional Water Quality Control Board
RCD	Resource Conservation District
SB	State Beach
SCC	State Coastal Conservancy
SF	San Francisco
SONCC	Southern Oregon-Northern California Coast
SHP	State Historic Park
SMP	Sediment Master Plan
SP	State Park
SR	State Reserve
SRA	State Recreation Area
State Water Board	State Water Resources Control Board
SWAMP	Surface Water Ambient Monitoring Program
SWP	State Water Project
TAF	Thousand Acre Feet
TDS	Total Dissolved Solids
TMDL	Total Maximum Daily Load
USEPA	United States Environmental Protection Agency
USFS	United States Forest Service
UTR	Upper Truckee River
WA	Wildlife Area
WQ	Water Quality
WMA	Watershed Management Area

II. INTRODUCTION

These Priorities (Appendix G) are part of the 2005-06 Consolidated Grants Program Guidelines. **Not all priorities identified in this Appendix are eligible project types. To be eligible for funding, projects must address at least one State Water Resources Control Board or Regional Water Quality Control Boards (collectively referred to as the California Water Boards) priority, except for Integrated Watershed Management Program (IWMP) funded projects. The priority must be an eligible project type, as identified in the law (Section III.C of Guidelines). To be eligible for IWMP implementation funds, a project must meet at least three priorities identified by three different Agencies from the list in Appendix G. All three priorities must be eligible project types, as identified in the law (Section III.C of Guidelines). Development of a local watershed management plan meets the priority requirements for the IWMP planning funds.**

Appendix G provides priorities developed by the State Water Resources Control Board (State Water Board), Regional Water Quality Control Boards (Regional Water Boards), United States Environmental Protection Agency (USEPA), and the following Partner Agencies:

- California Bay Delta Authority (CALFED)
- California Coastal Commission
- California Department of Forestry (CDF)
- Department of Boating and Waterways
- Department of Conservation (DOC)
- Department of Fish and Game (DFG)
- Department of Health Services (DHS)
- Department of Parks and Recreation (DPR)
- Department of Water Resources (DWR)
- Ocean Protection Council (OPC)
- Resources Agency
- State Coastal Conservancy

Priorities are regionally based on the Regional Water Board boundaries. The same priorities may be listed in multiple regions. Applicants must identify which priorities their project will address using the following format:

Region Number_Agency_PriorityNumber_Letter (if applicable)
Example: R1_DWR_5a.

For questions regarding specific Agency Priorities, contact the applicable agency representative identified on the 2005-06 Consolidated Grants Program website:
http://www.waterboards.ca.gov/funding/docs/consolidgrants0506/cg_pubworkshops/cgguidews_contacts.pdf.

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 1

Applicants must identify priorities that their project will address using the following format:
Region Number_AgencyID_PriorityNumber and letter (if applicable) Example: R1_DWR_5a

III. Priorities Located in Regional Water Board 1	Priorities
State Water Resources Control Board (Agency ID: SWRCB)	**State Water Board General Priorities:** 1. Projects that include the development of a Hydrologic Model that will predict unimpaired flows in streams throughout California. The initial focus should be on the Russian River and its tributaries. The model should be capable of adding impairments (water diversions and use, instream flow requirements, etc.) for determining if water is available for appropriation. 2. Projects that include the development of a geographic information system (GIS) that identifies the location of dams and reservoirs on topographic maps. The layers should include all known water diversions, locations of sensitive fish and wildlife habitat. A layer should provide the location of sensitive fish and wildlife habitat. A layer should provide the location of stream reaches that have water right permit of license minimum instream flow requirements. Layers should also identify the location of fully appropriated streams and designated wild and scenic rivers. 3. Projects to develop and test rapid indicators that detect bacterial contamination in a rapid and cost efficient manner. Projects must be designed to help meet the need for a fast, reliable, accurate and inexpensive way to test beach water quality. 4. Projects to conduct epidemiology studies to better understand and develop methods to monitor the risk of swimming at non-point source contaminated beaches. The need for, and prioritization of, mitigation actions at beach with high bacterial counts is dependent on a better understanding of the relationship between these indicators and health risk. Epidemiology studies should include efforts to associate the incidence of health effects with rapid indicators and new indicators. 5. Projects to develop new quantifiable, accurate and relatively inexpensive indicators: preferably those indicators that are actually human pathogens. The new indicators need to be tied to epidemiology study results to ensure that they are indeed quantifying health risk and must useable by most environmental microbiology labs. 6. Projects to develop Source and test Tracking tools, which are a requirement under Assembly Bill 538 (Statutes 1999, Chapter 488), to help environmental health managers identify sources of fecal contamination. 7. Projects to evaluate the effectiveness of best management practices (BMPs) such as circulation enhancements,

III. Priorities Located in Regional Water Board 1	Priorities
	treatment wetlands, some end of pipe treatment package plants, antibacterial filter materials, and treatment wetlands. A focused investigation of BMP effectiveness of projects to improve circulation needs to be done in order to determine the best approach to improve enclosed beach water quality and protect human health. 8. Projects to improve understanding of and the ability to monitor bacterial Transport Mechanisms, including Bacterial magnification and regrowth. **State Water Board <u>Ocean Protection Project</u> Priorities:** *These priorities, along with the priorities identified by the Ocean Protection Council, must be met in order to apply for the $10 million of the Coastal Nonpoint Source Pollution Control Program funds devoted to ocean protection projects.* 9. A project to complete the development, validation, assistance in certification, and implementation of Rapid Indicators of beach pathogen contamination. (Rapid Indicators is a statewide priority.) 10. Projects to implement control strategies and to eliminate nonpoint source (NPS) discharges to areas of special biological significance (ASBS) and their adjacent Critical Coastal Areas (CCAs).

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PRIORITIES LOCATED IN REGIONAL WATER BOARD 1

Applicants must identify priorities that their project will address using the following format:
Region Number_AgencyID_PriorityNumber and letter (if applicable) Example: R1_DWR_5a

III. Priorities Located in Regional Water Board 1	Priorities
Regional Water Quality Control Board 1 (Agency ID: RWQCB 1)	**REGIONAL WATER BOARD 1** **REGIONAL PRIORITIES:** 1. Implement Total Maximum Daily Loads (TMDLs). 2. Upgrade Publicly Owned Treatment Works (POTWs) in small disadvantaged communities with a threat to public health or impaired water bodies, or under compliance and/or enforcement orders and support stormwater programs. 3. Support Surface Water Ambient Water Monitoring Programs (SWAMPs) and TMDL monitoring programs. 4. Support CCAs. 5. Promote water-recycling activities. **TARGETED PROJECTS:** **POTWs & Stormwater Programs** 6. Projects which upgrade POTWs in small disadvantaged communities with a threat to public health or impaired water bodies, or under compliance and or enforcement orders and support stormwater programs in the Russian River/Bodega Bay Watershed Management Area (WMA). 7. Projects which upgrade POTWs in small disadvantaged communities with a threat to public health or impaired water bodies, or under compliance and or enforcement orders and support stormwater programs in the Klamath WMA. 8. Projects which upgrade POTWs in small disadvantaged communities with a threat to public health or impaired water bodies, or under compliance and or enforcement orders and support stormwater programs in the North Coast Rivers WMA. 9. Projects which upgrade POTWs in small disadvantaged communities with a threat to public health or impaired water bodies, or under compliance and or enforcement orders and support stormwater programs in the Humboldt

III. Priorities Located in Regional Water Board 1	Priorities
	Bay WMA. 10. Projects which upgrade POTWs in small disadvantaged communities with a threat to public health or impaired water bodies, or under compliance and or enforcement orders and support stormwater programs in the Eel River WMA. 11. Projects which upgrade POTWs in small disadvantaged communities with a threat to public health or impaired water bodies, or under compliance and or enforcement orders and support stormwater programs in the Trinity River WMA. **TMDL Program** **Sediment** 12. Projects which implement sediment TMDL in Russian River/Bodega Bay WMA. 13. Projects which implement sediment TMDL in Klamath WMA. 14. Projects which implement sediment TMDL in North Coast Rivers WMA. 15. Projects which implement sediment TMDL in Humboldt Bay WMA. 16. Projects which implement sediment TMDL in Eel River WMA. 17. Projects which implement sediment TMDL in Trinity River WMA. 18. Projects to implement watershed-based non-industrial timber permitting to promote high-quality silviculture and provide regulatory coordination between Regional Water Quality Control Boards (Regional Water Boards) and other State/Federal regulatory agencies. **Nutrient** 19. Projects which implement nutrient TMDL in Russian River/Bodega Bay WMA. 20. Projects which implement nutrient TMDL in Klamath WMA.

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PRIORITIES LOCATED IN REGIONAL WATER BOARD 1

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Region Number_AgencyID_PriorityNumber and letter (if applicable) Example: R1_DWR_5a

III. Priorities Located in Regional Water Board 1	Priorities
	Pathogen 21. Projects which implement pathogen TMDL in Russian River/Bodega WMA. **Temperature** 22. Projects which implement temperature TMDL in the Eel River WMA. 23. Projects which implement temperature TMDL in the North Coast Rivers WMA. 24. Projects which implement temperature TMDL in the Klamath WMA. 25. Projects which implement temperature TMDL in the Trinity River WMA. 26. Projects which implement temperature TMDL in the Humboldt Bay WMA

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PRIORITIES LOCATED IN REGIONAL WATER BOARD 1

Applicants must identify priorities that their project will address using the following format:
Region Number_AgencyID_PriorityNumber and letter (if applicable) Example: R1_DWR_5a

III. Priorities Located in Regional Water Board 1	Priorities
Department of Health Services (Agency ID: DHS)	1. Priorities are identified in Appendix A of the Department of Health Services (DHS) Proposition 50 Water Security, Clean Drinking Water, Coastal and Beach Protection Act of 2002 (Section79500 et seq.) which is available at the following website: http://www.dhs.ca.gov/ps/ddwem/Prop50/pdfs/CriteriaforChapters3and4-FINAL.pdf. Projects that fit categories A-G (of Appendix A) are identified as priorities.
Resources Agency (Agency ID: Resources Agency)	1. Projects that will develop, identify, and use appropriate new indicators or identify and use existing indicators for assessments and monitoring of watershed health.
Department of Fish and Game (Agency ID: DFG)	• Implement Priority 5D and E actions identified in the Implementation Schedule for the Southern Oregon-Northern California Coast (SONCC) and Central California Coast (CCC) in the following hydrologic sub-areas (HSAs) and hydrologic units (HUs): **SONCC** 1. Winchuck River HSA 2. Smith River HU 3. Wilson Creek HSA 4. Klamath River HU 5. Klamath Glen HSA 6. Hornbrook HSA 7. Iron Gate HSA 8. Trinity River HU 9. Douglas City HSA 10. Mad River HU 11. Butler Valley HSA 12. Redwood Creek HU 13. Trinidad HU 14. Little River HSA

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Applicants must identify priorities that their project will address using the following format:
Region Number_AgencyID_PriorityNumber and letter (if applicable) Example: R1_DWR_5a

III. Priorities Located in Regional Water Board 1	Priorities
	15. Eureka Plain HU- Eureka Plain HSA 16. Eel River HU 17. Weott HSA 18. Benbow HSA 19. Laytonville HSA 20. Outlet Creek HSA 21. Cape Mendocino HU 22. Mattole River HSA – Southern Subbasin 23. Mattole River HSA – Western Subbasin 24. Mattole River HSA – Northern Subbasin 25. Mattole River HSA – Eastern Subbasin **CCC** 26. Mendocino Coast HU 27. Albion River HSA 28. Big River HSA 29. Garcia River HSA 30. Navarro River HSA 31. Noyo River HSA 32. Ten Mile River HSA 33. Russian River HU 34. Russian River Mainstream (various HSAs) 35. Guerneville HSA 36. Mark West HAS

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PRIORITIES LOCATED IN REGIONAL WATER BOARD 1

Applicants must identify priorities that their project will address using the following format:
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III. Priorities Located in Regional Water Board 1	Priorities
	• Implement Priority 5 actions identified in the Steelhead Trout Management Tasks Search Website (http://www.dfg.ca.gov/nafwb/steelhead_tasks.asp?show_instructions=1&huname=+3304.&haname=&hsaname=&calwnum=+3304.&high_priority=1&submit=Submit) in the following HUs: 37. Cape Mendocino 38. Eel River 39. Eureka Plain 40. Klamath River 41. Mad River 42. Mendocino Coast 43. Redwood Creek 44. Rogue River 45. Russian River 46. Smith River 47. Trinidad 48. Trinity River 49. Winchuck River

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Region Number_AgencyID_PriorityNumber and letter (if applicable) Example: R1_DWR_5a

III. Priorities Located in Regional Water Board 1	Priorities
Department of Parks and Recreation (Agency ID: DPR)	The Department of Parks and Recreation (DPR) watersheds listed below are representative of each ecoregion's special physical and biological characteristics. DPR's priorities include watershed assessment, management, planning, implementation, and improvement in watersheds that exhibit high quality characteristics where DPR has ownership and management responsibility. There are many additional DPR watersheds that exhibit high quality characteristics and are also worthy of support. **Please note:** All applicants proposing to do projects on State Park System lands must partner with DPR and provide State Water Resources Control Board (State Water Board) with a letter (or official communication) from DPR acknowledging the partnership and endorsing the proposed project. Contact Syd Brown, Natural Resources Division, California Department of Parks and Recreation at sbrow@parks.ca.gov or 916-653-9930 for specifics. **DPR Representative Watersheds** 1. **Mill Creek watershed** (tributary to Smith River, includes all Mill Creek branches and Bummer Lake Creek), Del Norte County, Del Norte Coast Redwoods State Park (SP), and Jedediah Smith Redwoods SP. 2. **Prairie Creek watershed** (tributary to Redwood Creek, includes Boyes, Brown, and Godwood Creek tributaries.), Prairie Creek Redwoods SP, Humboldt County. 3. **McDonald Creek watershed, Humboldt County** flows into Stone Lagoon, Humboldt Lagoons SP. 4. **Bull Creek watershed, Humboldt County**, Humboldt-Redwoods SP, flows into South Fork Eel River. 5. **Whale Gulch-Jackass Creek watersheds**, Sinkyone Wilderness State Park and Bureau of Land Management (BLM) King Range National Conservation Area. 6. **Big River watershed**, Mendocino Woodlands State Historical Park (SHP), Jackson Demonstration State Forest, Big River unit of Mendocino Headlands SP (CCA #12). 7. **Fife and East Austin Creek watersheds** (part of Armstrong Redwoods State Reserve (SR) and Austin Creek State Recreation Area (SRA)). 8. **Willow Creek watershed** (tributary to lower Russian River, part of Sonoma Coast State Beach).

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III. Priorities Located in Regional Water Board 1	Priorities
State Coastal Conservancy (Agency ID: SCC)	1. Projects which enhance summertime stream flows in coastal watersheds. 2. Projects which implement Watershed Enhancement Plans developed jointly by watershed groups and the State Coastal Conservancy (SCC). 3. Completion of fish passage barrier removal projects that benefit listed salmon and steelhead stocks. 4. Acquisition of conservation easements that result in the permanent dedication of in-stream flows for salmonid habitat protection. 5. Installation, operation, and assessment of the efficacy of infrastructure and/or use and assessment of the efficacy of management practices that results in the measurable reduction of stormwater runoff of sediment and pesticides in watershed tributaries. 6. Projects which support capacity to establish and implement locally directed watershed management programs: i.e. programs which include watershed assessments, development of watershed management plans, establish watershed data management capacity, implementation of watershed management plans, community watershed education, and watershed monitoring within the watershed. 7. Projects in a watershed, including the San Francisco Bay, which increase the amount of wetlands that are designed and managed to maximize beneficial uses while minimizing detrimental effects. 8. Projects in a Coastal Watershed that assess the effects of contaminants on aquatic species and develops and implements management projects, including demonstration projects. 9. Projects that assess and address groundwater impacts due to nitrates from confined animal or onsite disposal systems within a watershed. 10. Projects that create, sustain, and/or increase local capacity to plan and implement the targeted projects including projects that provide technical and financial capacity, such as re-granting programs, to newer or smaller stakeholders so that they will eventually be able to plan and implement targeted projects. 11. Support similar recovery of at-risk native species in San Francisco Bay and the watershed above the estuary; and minimize the need for future endangered species listings by reversing downward population trends of native species that are not listed.

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Applicants must identify priorities that their project will address using the following format:
Region Number_AgencyID_PriorityNumber and letter (if applicable) Example: R1_DWR_5a

III. Priorities Located in Regional Water Board 1	Priorities
	12. Support projects that rehabilitate natural processes in the Bay and urban watersheds. 13. Continue and expand the watershed coordinator grant program statewide with the goal of creating an environment that encourages watershed Coordinators to collaborate, cooperate, and work with diverse stakeholders to build local capacity to implement watershed improvement projects. 14. Projects that implement priorities from existing sediment TMDLs. 15. Monitoring to evaluate the effectiveness of mitigation measures that are designed to reduce sediment loads or evaluate the impact of management practices on stream temperature. 16. Inventory and evaluate the adequacy of riparian buffer zones to provide shade for stream channels. 17. Implement management practices that promote the development and restoration of riparian vegetation that provides stream shade in existing temperature TMDLs. 18. In the North Coast region projects should be consistent with “High Priorities” that have been identified under the Department of Fish and Game (DFG) Coho Recovery Plan. 19. Improve stakeholder outreach and education (including Grades K-12), and public participation in water quality decisions. 20. Develop or improve water management plans, based on sound science, to address water quality/quantity and related issues on watershed, cross-watershed, or regional basis. 21. Projects that integrate surface and groundwater quality improvement activities while promoting collaborative and cooperative efforts within a watershed, cross-watershed, or regional context. 22. Improve coordination of land use planning and water management through applying watershed management strategies. 23. Improved ecological function of floodplains and stream corridors. 24. Projects that include operations and maintenance for multiple years for the following stream gauging stations: Continue and expand the watershed coordinator grant program statewide with the goal of creating an environment that encourages Watershed Coordinators to collaborate, cooperate, and work with diverse stakeholders to build local capacity to implement watershed improvement projects.

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 1

Applicants must identify priorities that their project will address using the following format:
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III. Priorities Located in Regional Water Board 1	Priorities
	25. Projects that provide additional gauges on the Mattole River. 26. Project located along: a. Klamath River b. Humboldt Bay c. Eel River d. Ten Mile River e. Big River f. Garcia River g. Nonpoint projects that benefit fish passage improvement projects h. Mattole River

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PRIORITIES LOCATED IN REGIONAL WATER BOARD 1

Applicants must identify priorities that their project will address using the following format:
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III. Priorities Located in Regional Water Board 1	**Priorities**
Ocean Protection Council (Agency ID: OPC)	1. These Guidelines adopt the State Water Board priorities for ocean protection projects. It is anticipated that the Ocean Protection Council (OPC) will adopt their ocean protection project priorities for the 2005-06 Consolidated Grants Program at their January 13, 2006 meeting. Once adopted by the OPC, their priorities will be posted on the State Water Board's website at: http://www.waterboards.ca.gov/funding/consolidgrants0506.html.
Department of Water Resources (Agency ID: DWR)	**GENERAL PRIORITIES** 1. Improved coordination of land use planning and water management through applying watershed management strategies within Integrated Regional Water Management (IRWM) planning and implementation efforts. 2. Improve water supply reliability through conjunctive use programs and integration of flood management with water supply management. 3. Improved ecological function of floodplains and stream corridors. 4. Assist newly formed (within last 5 years) Resource Conservation Districts (RCDs) with capacity building for restoration, stewardship, and water management, e.g National Resource Conservation District (NRCD). **WATERSHED SPECIFIC PRIORITIES** 5. Projects that include operations and maintenance for multiple years for the following stream gauging stations: a. 11468900 Mattole River near Ettersburg b. 11473900 Middle Fork Eel River near Dos Rios c. 11469000 Mattole River near Petrolia d. 11517000 Shasta River near Montague

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III. Priorities Located in Regional Water Board 1	**Priorities**
California Bay Delta Authority (Agency ID: CALFED)	Not Applicable
Department Boating and Waterways (Agency ID: DBW)	1. Development of Decision Support Systems (DSS) utilizing the GIS database under development by the Coastal Sediment Management Workgroup (comprised of the Resources Agency, SCC, CCC, DFG, DPR, U.S. Army Corps of Engineers, and National Oceanic and Atmospheric Administration (NOAA) to develop a suite of tools to assist coastal managers, engineers, and regulators in making sound regional-based decisions regarding beneficial reuse of sediment in an environmental responsible manner through the development and implementing a the California Sediment Master Plan (SMP). 2. Project to designate and permit two new nearshore/onshore sites to beneficially reuse acceptable dredge material to renourish sediment-impaired areas (coastal erosion hotspots with a lack of natural sediment). 3. Detailed monitoring to characterize the affects and impacts of turbidity in nearshore waters derived from a beach restoration project to provide the scientific basis to develop clear and effective water quality and TMDL permit guidelines for future projects. The project location is subject to the availability of a viable and study-worthy restoration project in Southern California.
Department of Conservation (Agency ID: DOC)	1. Continue and expand the watershed coordinator grant program statewide with the goal of creating an environment that encourages Watershed Coordinators to collaborate, cooperate, and work with diverse stakeholders to build local capacity to implement watershed improvement projects. 2. Assessment of Abandoned Mines in order to map, analyze, and remediate abandoned mines with chemical hazards including: a. Water sampling/monitoring upstream and downstream of abandoned mines. b. Biological sampling for toxicity c. Rock and soil sampling and analysis

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PRIORITIES LOCATED IN REGIONAL WATER BOARD 1

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III. Priorities Located in Regional Water Board 1	Priorities
	d. Research historical records e. Plant community studies on and around abandoned mine lands. f. Ground/aerial mapping abandoned mines using global positioning system (GPS). g. Geologic mapping of abandoned mines h. Statistical data analysis 3. Remediation of acid rock drainage or other chemical hazards discharging into impacted waterways (303d listed) from abandoned mines. 4. The following are the highest priority watersheds: a. Middle Klamath River b. Upper Trinity River c. Lower Trinity River d. Scott River e. Salmon River

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III. Priorities Located in Regional Water Board 1	Priorities
California Coastal Commission (Agency ID: CCC)	The CCA Program is designed to identify coastal areas where water quality is threatened or impacted by new or expanding development and to accelerate the implementation of California's NPS Program Plan so that water quality is protected or restored. Of the 101 coastal areas identified by the CCA program the areas listed below are the highest priority based on existing water quality conditions, value, and sensitivity of coastal resources, new or expanding threats to beneficial uses, and degree of local support for watershed-based planning efforts. Priority work in each of these watersheds is to complete watershed-based plans that assess sources of water quality impairment, threats to water quality from new and expanding development, status of NPS management measure implementation (see the California NPS Plan), and estimations of impervious surface area, drainage density, and waste loading under current and planned conditions. Plans should identify appropriate actions to protect or restore coastal waters including but not limited to implementation of source control, site design and treatment control best management practices (BMPs), application of all appropriate NPS management measures, and development of land use regulations that protect coastal water quality. 1. Trinidad Head ASBS 2. Mad River 3. Noyo River 4. Navarro River **5.** Garcia River 6. Klamath River 7. Redwood Creek 8. Redwood National Park 9. Mad River 10. Eel River 11. Mattole River 12. King Range National Conservation Area

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III. Priorities Located in Regional Water Board 1	**Priorities**
	13. Estero Americano 14. Estero de San Antonio

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PRIORITIES LOCATED IN REGIONAL WATER BOARD 1

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III. Priorities Located in Regional Water Board 1	**Priorities**
California Department of Forestry (Agency ID: CDF)	**Please note:** Applicants proposing to do projects on State Forest land must partner with California Department of Forestry (CDF) and provide the State Water Board with a letter from CDF acknowledging the partnership. 1. Vegetation Management (Fire and Fuels Reductions) a. Projects that assess fuel conditions in a watershed identify for Fuel Reduction needs, especially, projects or plans that aim to reduce the risk and impact of high severity fires on watershed health (i.e. water quality, water quantity…) and wildlife habitat. b. Projects aimed at reducing fuel loads through Vegetation Management (i.e. controlled burns, vegetation / brush removal…) in high-risk areas. c. Projects that assess vegetation conditions, identify the extent of Invasive exotic plant species, provide and implement a plan for removal. d. Where appropriate plans and projects should be coordinated with existing Fire Safe Councils and community based Fire Plans (http://www.firesafecouncil.org/). e. Projects that offer technical assistance to landowners to undertake hazardous fuels reduction. 2. Sediment a. Development and implementation of Road Management Plans to achieve long term reductions in road-related sediment in forested landscapes. b. Projects that implement priorities from existing sediment TMDLs. 3. Monitoring[ck1] to evaluate the effectiveness of mitigation measures that are designed to reduce sediment loads or evaluate the impact of management practices on stream temperature. 4. Canopy Conditions - Inventory and evaluate the adequacy of riparian buffer zones to provide shade for stream channels. Implement management practices that promote the development and restoration of riparian vegetation that provides stream shade in existing temperature TMDLs. 5. Large Woody Debris - Assessment of riparian vegetation and in-stream large woody debris (LWD). Develop and implement management plans that will provide for both short and long-term recruitment of LWD to stream channels.

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Applicants must identify priorities that their project will address using the following format:
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III. Priorities Located in Regional Water Board 1	Priorities
	a. In the North Coast region projects should be consistent with "High Priorities" that have been identified under the DFG Coho Recovery Plan http://www.dfg.ca.gov/nafwb/fishgrant.html. b. Projects that coordinate the implementation of the Forest Practices Act and the Coho Recovery Strategy. 6. Land Conversion - Prepare and implement Community Development Plans that promote the preservation of economically sustainable forest and range lands and discourage land conversion to residential or commercial development. 7. Timber Management - Projects that coordinate timber management permitting between CDF and other agencies to promote high-quality forest management and provide regulatory relief and incentives for non-industrial forest landowners. 8. The following watersheds are priorities based on forest practice concerns and impacts on sediment and riparian areas. a. Van Duzen (Sediment) b. Gualala (Water Temperature) (See Watershed Management Report under the North Coast Watershed Assessment Program (NCWAP) http://www.ncwatershed.ca.gov/) c. Freshwater (Flooding, Sediment) d. Elk (Sediment) e. Jordan (Sediment, Flooding) f. Mattole (Water Temperature, Canopy Conditions, Stream Bank Erosion) (See Watershed Management Report under NCWAP http://www.ncwatershed.ca.gov/) g. Redwood Creek (Sediment) (See Watershed Management Report under NCWAP http://www.ncwatershed.ca.gov/)

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PRIORITIES LOCATED IN REGIONAL WATER BOARD 2

Applicants must identify priorities that their project will address using the following format:
Region Number_AgencyID_PriorityNumber and letter (if applicable) Example: R2_DWR_5a

IV. Priorities Located in Regional Water Board 2	**Priorities**
State Water Resources Control Board (Agency ID: SWRCB)	**State Water Board General Priorities:** 1. Projects that include the development of a Hydrologic Model that will predict unimpaired flows in streams throughout California. The initial focus should be on the Russian River and its tributaries. The model should be capable of adding impairments (water diversions and use, instream flow requirements, etc.) for the determination if there is water available for appropriation. 2. Projects that include the development of a geographic information system (GIS) that identifies the location of dams and reservoirs on topographic maps. The layers should include all known water diversions, locations of sensitive fish and wildlife habitat. A layer should provide the location of sensitive fish and wildlife habitat. A layer should provide the location of stream reaches that have water right permit of license minimum instream flow requirements. Layers should also identify the location of fully appropriated streams, and designated wild and scenic rivers. 3. Projects to develop and test rapid indicators that detect bacterial contamination in a rapid and cost efficient manner. Projects must be designed to help meet the need for a fast, reliable, accurate and inexpensive way to test beach water quality. 4. Projects to conduct epidemiology studies to better understand and develop methods to monitor the risk of swimming at non-point source contaminated beaches. The need for, and prioritization of, mitigation actions at beach with high bacterial counts is dependent on a better understanding of the relationship between these indicators and health risk. Epidemiology studies should include efforts to associate the incidence of health effects with rapid indicators and new indicators. 5. Projects to develop new quantifiable, accurate and relatively inexpensive indicators: preferably those indicators that are actually human pathogens. The new indicators need to be tied to epidemiology study results to ensure that they are indeed quantifying health risk and must useable by most environmental microbiology labs. 6. Projects to develop Source and test Tracking tools, which are a requirement under Assembly Bill 538 (Statutes 1999, Chapter 488), to help environmental health managers identify sources of fecal contamination. 7. Projects to evaluate the effectiveness of best management practices (BMPs) such as circulation enhancements,

IV. Priorities Located in Regional Water Board 2	Priorities
	treatment wetlands, some end of pipe treatment package plants, antibacterial filter materials, and treatment wetlands. A focused investigation of BMP effectiveness of projects to improve circulation needs to be done in order to determine the best approach to improve enclosed beach water quality and protect human health. 8. Projects to improve understanding of and the ability to monitor bacterial Transport Mechanisms, including Bacterial magnification and regrowth. **State Water Board <u>Ocean Protection Project</u> Priorities:** *These priorities, along with the priorities identified by the Ocean Protection Council (OPC), must be met in order to apply for the $10 million of the Coastal Nonpoint Source Pollution Control Program funds devoted to ocean protection projects.* 9. A project to complete the development, validation, assistance in certification, and implementation of Rapid Indicators of beach pathogen contamination. (Rapid Indicators is a statewide priority.) 10. Projects to implement control strategies, and to eliminate nonpoint source (NPS) discharges to areas of special biological significance (ASBS) and their adjacent Critical Coastal Areas (CCAs).

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IV. Priorities Located in Regional Water Board 2	**Priorities**
Regional Water Quality Control Board 2 (Agency ID: RWQCB 2)	**REGIONAL WATER BOARD 2** **REGIONWIDE PRIORITIES:** 1. Projects that implement actions called for in established total maximum daily loads (TMDLs) or actions to manage sources associated with TMDLs under development. For further details see: http://www.waterboards.ca.gov/sanfranciscobay/tmdlmain.htm. 2. Projects that identify sources and reduce pollutant and/or flow loadings from discharges of urban stormwater runoff. These may include: 1) projects to retrofit existing stormwater conveyance or other infrastructure for water quality improvements, including facilities for trash removal, stormwater diversion for treatment, stormwater detention, green roofs, etc., to reduce pollutant-related and flow-related impacts to water bodies; 2) landscape-based stormwater treatment technologies; 3) Low Impact Development (LID) projects that reduce the rate and quantity of stormwater runoff; 4) stormwater and watershed monitoring to demonstrate the effectiveness of stormwater management practices; and 5) stormwater and watershed monitoring data management, including electronic reporting of data. Projects should consider surface water/groundwater interaction where desirable and appropriate as projects related to decreasing impervious surfaces and increasing stormwater infiltration may have substantial benefits to groundwater quality and supply. 3. Projects that support watershed management planning efforts, including both surface and groundwater issues, especially those that build local capacity through citizen involvement and public education by mentoring and providing technical assistance to smaller, locally based watershed groups by an entity with proven administrative skills. 4. Projects that protect, restore, and enhance aquatic, wetland, and riparian habitat and habitat connectivity; improve or restore natural functioning condition of stream channels (e.g., restore floodplains, reduce accelerated erosion, restore natural hydrologic regimes); lead to invasive species eradication; and/or carry out assessments and provide technical assistance and outreach, in order to protect beneficial uses including WARM, COLD, RARE, WILD, SPWN, MAR, SHELL, MIGR, COMM and EST. Consideration should be given to the fact that riparian zones are

IV. Priorities Located in Regional Water Board 2	Priorities
	commonly dependent on both surface water and subsurface water; projects that enhance riparian zones and mitigate adverse impacts can benefit surface water and groundwater alike. 5. Projects that develop capacity by local entities to perform water quality monitoring and assessment in fresh water bodies, including bioassessment, continuous monitoring using data sondes and probes, and other water quality indicators used by State Water Resources Control Board and Regional Water Quality Control Boards (California Water Boards). **Targeted Priorities** 6. Projects that will retrofit stormwater infrastructures to allow constant or periodic routing of urban runoff to wastewater treatment systems, with an emphasis on pollutant load reduction and implementation of TMDLs. 7. Tidal wetland restoration in former salt ponds in Napa, Alameda, San Mateo and Santa Clara Counties to provide habitat for native species, enhance estuarine, and tidal marsh habitat, and increase primary carbon productivity. 8. Re-establishing the delta at the mouth of Alameda Creek by integrating tidal wetland restoration in former salt ponds with planned flood control projects. 9. Fish passage barrier removal in Alameda Creek watershed, including obtaining water for maintenance of fish passage, preferably with an integrated approach to groundwater and drinking water supply issues related to the Niles Cone groundwater basin, and associated salinity barrier. 10. Reduce legacy mercury loads from the New Almaden Mining District in the Guadalupe River watershed of Santa Clara County, by removing mine waste and/or mercury-contaminated sediments, and/or implementing erosion control. 11. Programs that develop and implement water quality and fisheries habitat protection plans for farms and ranches in coastal and North Bay watersheds. 12. Implementation of management practices to reduce sediment nutrient, or low dissolved oxygen discharges to Suisun Marsh, and habitat restoration in Suisun Marsh and its tributary creeks, Solano County. 13. Comprehensive watershed analysis and restoration plans to protect threatened and endangered salmonids, with

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IV. Priorities Located in Regional Water Board 2	Priorities
	focus on coastal streams of Marin and San Mateo Counties, including areas identified in the California Department of Fish and Game (DFG) Steelhead Management Plan and Coho Recovery Plan for coastal counties. 14. Projects that address and implement measures to eradicate, control, or prevent introduction of invasive exotic species in San Francisco Bay and tributary wetlands and waterbodies, resulting in enhancement of water quality, quantity, and/or habitat conditions for native species. 15. Projects that reduce high pathogen levels at public beaches subject to closures. 16. Assistance to small and/or financially disadvantaged communities to upgrade infrastructure to prevent sewage overflows and seepage into surface and groundwater's in order to improve water quality and protect beneficial uses. 17. Projects to protect and enhance instream flows for rare, threatened, and/or endangered native fish and aquatic wildlife species in the North Bay and coastal streams. Projects should include coordination with agencies that are familiar with subsurface conditions and should seek to protect both surface and groundwater beneficial uses. 18. Projects to eliminate or significantly reduce pollutants entering an ASBS[1], or other marine managed areas[2], from upstream sources or from direct discharge along the Marin and San Mateo coasts, with particular emphasis on Fitzgerald Marine Reserve; such projects to be consistent with the CCAs Action Plan. 19. Projects that remediate toxic hot spots in the Bay, its tributaries, storm drains, or on land, particularly those with elevated levels of mercury or polychlorinated Biphenyls (PCBs), such that associated pollutant loading and/or local adverse effects are substantially reduced or eliminated. 20. Projects that measurably reduce or eliminate discharges of trash to water bodies. 21. Projects to restore anadromous salmonid access to and from high quality spawning and rearing habitats throughout the region. 22. Implementation of the ecologically superior alternative for river restoration in the Rutherford reach of mainstem Napa River.

[1] As defined in the California Ocean Plan
[2] As defined in the Public Resources Code

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IV. Priorities Located in Regional Water Board 2	Priorities
	23. Upper York Creek dam removal project, St. Helena, Napa County. 24. Projects that will implement and/or evaluate the effectiveness and feasibility of innovative stormwater treatment controls that treat polluted runoff, measures that reduce the effects of development on a site's runoff hydrograph, and/or design measures that reduce a project's impervious surface (that are not otherwise required by permits, or that go beyond permit requirements). Such controls might include, but are not limited to, green roofs, cisterns, bioretention areas, and determining a substantively effective definition for "disconnected" impervious surface. Evaluations may include, but are not be limited to, pollution removal, effects to mitigate changes in a site's runoff hydrograph, costs of construction and maintenance, potential to transmit pollutants to groundwater, and ancillary benefits, such as groundwater recharge, reduction in heating, ventilation, and air conditioning (HVAC) expenses, or related items. 25. Restoration of habitat values and stream functions in Pinole Creek watershed, Contra Costa County.

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IV. Priorities Located in Regional Water Board 2	Priorities
Department of Health Services (Agency ID: DHS)	1. Priorities are identified in Appendix A of the Department of Health Services (DHS) Proposition 50 Water Security, Clean Drinking Water, Coastal and Beach Protection Act of 2002 (Section79500 et seq.) which is available at the following website: http://www.dhs.ca.gov/ps/ddwem/Prop50/pdfs/CriteriaforChapters3and4-FINAL.pdf. Projects that fit categories A-G of Appendix A are identified as priorities.
Resources Agency (Agency ID: Resources Agency)	1. Projects that will develop, identify, and use appropriate new indicators or identify and use existing indicators for assessments and monitoring of watershed health.
Department of Fish and Game (Agency ID: DFG)	Implement Priority 5D and E actions identified in the Implementation Schedule for the California Central Coast (CCC) in the following hydrologic sub-areas (HSAs) and hydrologic units (HUs): **CCC** 1. Bodega/Marin Coastal HUs 2. Lagunitas Creek HSA 3. Bolinas HSA 4. San Mateo Coastal HU 5. San Gregorio Creek and Pescadero Creek HSAs Implement Priority 5 actions identified in the Steelhead Trout Management Tasks Search Website (http://www.dfg.ca.gov/nafwb/steelhead_tasks.asp?show_instructions=1&huname=+3304.&haname=&hsaname=&calwnum=+3304.&high_priority=1&submit=Submit) in the following HUs: 6. Bay Bridges 7. Bodega 8. Marin Coastal 9. San Mateo 10. San Pablo 11. Suisun

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IV. Priorities Located in Regional Water Board 2	**Priorities**
Department of Parks and Recreation (Agency ID: DPR)	The Department of Parks and Recreation (DPR) Watersheds listed below are representative of each ecoregion's special physical and biological characteristics. DPR's priorities include watershed assessment, management, planning, implementation, and improvement in watersheds that exhibit high quality characteristics where DPR has ownership and management responsibility. There are many additional DPR watersheds that exhibit high quality characteristics and are also worthy of support. **Please note:** All applicants proposing to do projects on State Park System lands must partner with DPR and provide State Water Resources Control Board (State Water Board) with a letter (or official communication) from DPR acknowledging the partnership and endorsing the proposed project. Contact Syd Brown, Natural Resources Division, California DPR at sbrow@parks.ca.gov or 916-653-9930 for specifics. **DPR Representative Watersheds** 1. **Lagunitas Creek watershed** (drains to Point Reyes National Seashore, connects Samuel P. Taylor State Park (SP) with Marin Municipal Water District lands, and Gary Giacomini Skye Ranch (Open Space County Park))(CCA #24) 2. **Fern Creek, Lone Tree Creek, Redwood Creek watersheds**, Mount Tamalpais SP, (connects with Muir Woods National Monument, Point Reyes National Seashore (NS), Marin Municipal Water District lands.) 3. **Angel Island State Historic Park (SHP)** (Marin County, all drains to San Francisco (SF) Bay) 4. **Coyote Creek watershed and tributaries**, Henry W. Coe SP (West). Drains to Anderson and Coyote Lakes and eventually to South SF Bay. 5. **Marsh Creek and Mount Diablo Creek watersheds**, plus Mitchell Canyon and Donner Creek tributaries, Mount Diablo SP. Marsh Creek includes Curry Canyon, connects with East Bay Regional Parks and John Marsh Project. Flows to the San Joaquin River. Mount Diablo Creek flows to SF Bay through Concord Naval Weapons Station. Military facility is a candidate for base closure, and could offer significant restoration opportunities in that event.

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IV. Priorities Located in Regional Water Board 2	Priorities
State Coastal Conservancy (Agency ID: SCC)	1. Projects which enhance summertime stream flows in coastal watersheds. 2. Project that implements Watershed Enhancement Plans developed jointly by watershed groups and the State Coastal Conservancy (SCC). 3. Completion of fish passage barrier removal projects that benefit listed salmon and steelhead stocks. 4. Acquisition of conservation easements that result in the permanent dedication of in-stream flows for salmonid habitat protection. 5. Surface agricultural return flows are returns from water applied to irrigated land, including, but is not limited to, land planted to row, field, and tree crops as well as commercial nurseries, nursery stock production, and managed wetlands. 6. Installation, operation, and assessment of the efficacy of infrastructure and/or use and assessment of the efficacy of management practices that results in the measurable reduction of stormwater runoff of sediment and pesticides in watershed tributaries. 7. Projects which support capacity to establish and implement locally directed watershed management programs: i.e. programs which include watershed assessments, development of watershed management plans, establish watershed data management capacity, implementation of watershed management plans, community watershed education, and watershed monitoring within the watershed. 8. Projects in a watershed, including the SF Bay, which increase the amount of wetlands that are designed and managed to maximize beneficial uses while minimizing detrimental effects. 9. Projects in a Coastal Watershed that assess the effects of contaminants on aquatic species and develops and implements management projects, including demonstration projects. 10. Projects that assess and address groundwater impacts due to nitrates from confined animal or onsite disposal systems within a watershed. 11. Projects that create, sustain, and/or increase local capacity to plan and implement the targeted projects including projects that provide technical and financial capacity, such as re-granting programs, to newer or smaller stakeholders so that they will eventually be able to plan and implement targeted projects

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IV. Priorities Located in Regional Water Board 2	Priorities
	12. Support similar recovery of at-risk native species in SF Bay and the watershed above the estuary; and minimize the need for future endangered species listings by reversing downward population trends of native species that are not listed. 13. Support projects that rehabilitate natural processes in the Bay and urban watersheds. 14. Continue and expand the watershed coordinator grant program statewide with the goal of creating an environment that encourages watershed Coordinators to collaborate, cooperate, and work with diverse stakeholders to build local capacity to implement watershed improvement projects. 15. Projects that implement priorities from existing sediment TMDLs. 16. Monitoring to evaluate the effectiveness of mitigation measures that are designed to reduce sediment loads or evaluate the impact of management practices on stream temperature. 17. Inventory and evaluate the adequacy of riparian buffer zones to provide shade for stream channels. 18. Implement management practices that promote the development and restoration of riparian vegetation that provides stream shade in existing temperature TMDLs. 19. Restore and protect wetlands, riparian and other sensitive aquatic habitats. 20. Improve stakeholder outreach and education (including Grades K-12), and public participation in water quality decisions. 21. Activity of concern is degradation of surface and groundwater quality standards. Desired result is to foster environmental stewardship within the community, thus contributing to the long-term attainment and maintenance of water quality standards. 22. Develop or improve water management plans, based on sound science, to address water quality/quantity, conservation and related issues on watershed, cross-watershed, or regional basis. 23. Projects that integrate surface and groundwater quality improvement activities while promoting collaborative and cooperative efforts within a watershed, cross-watershed, or regional context. 24. Improved coordination of land use planning and water management through applying watershed management strategies within Integrated Regional Water Management (IRWM) planning and implementation efforts.

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IV. Priorities Located in Regional Water Board 2	Priorities
	25. Improve water supply reliability through conjunctive use programs and integration of flood management with water supply management. 26. Improved ecological function of floodplains and stream corridors. 27. Projects that include operations and maintenance for multiple years for the following stream gauging stations: Continue and expand the watershed coordinator grant program statewide with the goal of creating an environment that encourages watershed Coordinators to collaborate, cooperate and work with diverse stakeholders to build local capacity to implement watershed improvement projects. 28. SF Bay spartina, arundo control; 29. DFG coastal and SF Estuary (e.g. Alameda Creek) fish barrier removal; 30. SF Bay and SCWRP wetland projects; 31. Projects located within: a. City of San Francisco, including Yosemite Creek Watershed b. Alameda Creek c. San Fransequito Creek d. Wildcat Creek e. Napa River f. Sonoma Creek

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PRIORITIES LOCATED IN REGIONAL WATER BOARD 2

Applicants must identify priorities that their project will address using the following format:
Region Number_AgencyID_PriorityNumber and letter (if applicable) Example: R2_DWR_5a

IV. Priorities Located in Regional Water Board 2	**Priorities**
Ocean Protection Council (Agency ID: OPC)	1. These Guidelines adopt the State Water Board priorities for ocean protection projects. It is anticipated that the OPC will adopt their ocean protection project priorities for the 2005-06 Consolidated Grants Program at their January 13, 2006 meeting. Once adopted by the OPC, their priorities will be posted on the State Water Board's website at: http://www.waterboards.ca.gov/funding/consolidgrants0506.html.
Department of Water Resources (Agency ID: DWR)	**GENERAL PRIORITIES** 1. Improved coordination of land use planning and water management through applying watershed management strategies within IRWM planning and implementation efforts. 2. Improve water supply reliability through conjunctive use programs and integration of flood management with water supply management. 3. Improved ecological function of floodplains and stream corridors. 4. Assist newly formed (within last 5 years) Resource Conservation Districts (RCDs) with capacity building for restoration, stewardship, and water management, e.g. National Resource Conservation District (NRCD) **WATERSHED SPECIFIC PRIORITIES** 5. York Creek Dam removal passage improvement and channel restoration.
California Bay Delta Authority (Agency ID: CALFED)	**CALFED Bay Delta Program Elements** A focused and clearly made connection in your project between the Watershed Program priorities and one or more other Program Elements is likely to be more persuasive than a more general sweeping attempt to connect all the Elements in one project. **Water Management Program Summary** Objectives and priorities for the next 3-5 years

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IV. Priorities Located in Regional Water Board 2	**Priorities**
	1. <u>Water Management overall objectives</u> a. Maximize the use of existing available water supplies through conservation, water recycling, transfers, and water quality improvements. b. Increase the flexibility of water systems at the State, Federal, and local level through improvements in conveyance, storage, and water project operations. c. Develop groundwater and surface water storage projects to boost flexibility and provide additional supplies for agriculture, urban, and environmental use. 2. <u>Water Use Efficiency Element</u> *Water Use Efficiency Element objectives are to:* a. Reduce water demand through conservation of presently used supplies. b. Improve water quality by altering volume, concentration, timing, and location of irrigation and wastewater return flows. c. Improve ecosystem health by increasing in-stream flows where necessary to achieve targeted benefits. *Water Use Efficiency Element priorities are to:* d. Credibly estimate past and expected performance (costs and benefits) of water conservation and recycling activities in California. e. Develop volumetric (e.g. acre-feet of water conserved) targets for agricultural and urban conservation and recycling, divided into contributions toward water supply ("real water conservation"), in-stream flows, and improved water quality. f. Make progress to achieve the Agriculture Water Use Efficiency quantifiable objectives for the 21 designated regions. *Specific geographic areas of near term focus include:*

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IV. Priorities Located in Regional Water Board 2	**Priorities**
	g. Twenty-one regions designated in Appendix A of the Program Plan available at the following website: http://calwater.ca.gov/Archives/WaterUseEfficiency/WaterUseEfficiencyQuantifiableObjectives.shtml. 3. Drinking Water Quality Element *Drinking Water priorities for watershed projects are to:* a. Advance understanding of how watersheds connect to both local and statewide drinking water supplies. Projects that advance efforts to develop and implement regional drinking water quality management plans are particularly important. Watershed groups are encouraged to work with both local water utilities and with the California Bay-Delta Authority (CALFED) program to develop plans that identify the status of existing water quality and the water quality goals within the region, identify connections to other regions, and develop strategies for water quality improvement or maintenance. These plans can be incorporated into IRWM plans or built upon existing resource management plans. b. Support efforts to understand how source improvement actions interact with water management actions, and improved treatment to improve drinking water quality at the tap. c. Educate stakeholders and the public on the connections between watersheds and drinking water supplies. d. Reduce stormwater runoff through projects that protect or restore natural hydrology. e. Reduce pollutant loadings from sources that may contribute drinking water pollutants of concern including animal grazing, animal feeding operations, irrigated agriculture, managed wetlands, and urban areas. (Reduce loadings of pollutants that have the greatest impact on drinking water supplies.) *(Pollutants identified as being of most drinking water quality concern in the Delta are organic carbon, bromide, salinity, nutrients, turbidity, taste and odor producing compounds, and pathogens. Other pollutants such as arsenic, perchlorate, and herbicides are of local or regional concern.)* *Specific geographic areas of near term focus include:* f. Delta islands

IV. Priorities Located in Regional Water Board 2	Priorities
	g. Delta tributaries below the major dams h. San Joaquin Valley i. Sacramento Valley j. Watersheds that directly affect State or Federal water project canals or reservoirs. Proximity to drinking water intakes or groundwater recharge areas for drinking water wells is an important consideration. 4. <u>Conveyance Element</u> *Conveyance Element objectives are to:* a. Modify the existing conveyance system for water supply, water quality, flood protection, and ecosystem benefits. b. Improve pumping operations of the State Water Project (SWP) to increase reliability and enhance fish protection *Near term priorities are:* c. Construct permanent operable barriers and increase the maximum SWP export capacity to 8,500 cubic feet per second (South Delta Improvements Program). d. Construct the Delta Mendota Canal/California Aqueduct Intertie. e. Complete the Delta Cross Channel and the Through Delta Facility studies. f. Complete the studies on South Delta Hydrodynamics, Water Quality, and Fish. g. Complete the studies on Delta Smelt and Fish Facilities. h. Continue south Delta fish facilities improvements. i. Implement North Delta Flood Control and Ecosystem Improvements. j. Implement lower San Joaquin River Flood Protections Improvements.

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IV. Priorities Located in Regional Water Board 2	Priorities
	5. <u>Storage Element</u> *Storage Element objectives are to:* a. Provide financial and technical assistance to implement 1/2 million to 1 million acre-feet of new, locally managed groundwater storage. b. Pursue specific opportunities for new off-stream storage sites and expansion of existing on-stream storage sites as identified in the Record of Decision. *Storage Element priorities include:* c. Groundwater conjunctive management projects that will contribute to an accumulated capacity of 500 thousand acre feet (TAF) to 1 million acre feet. d. Increase water supply reliability statewide through planned, coordinated local management, and use of groundwater and surface water resources. e. Develop a basic understanding of individual groundwater basins and their relationship to watersheds. f. Identify basin management strategies and objectives. g. Plan and conduct groundwater studies. h. Design and construct conjunctive use projects. 6. <u>Water Transfers Element</u> *Water Transfers Element objectives are to:* a. Develop a more effective water transfer market. b. Respect water rights, and protect environmental and economic conditions. c. Streamline the approval process of State and Federal agencies for water transfers. *Water Transfers Element priorities are to:*

IV. Priorities Located in Regional Water Board 2	Priorities
	d. Increase the availability of existing facilities for water transfers. e. Lower transaction costs through permit streamlining. f. Increase the availability of market information to stakeholder and permitting agencies. 7. <u>Environmental Water Account Element</u> *Environmental Water Account Element objectives are to:* a. Provide protection to the at-risk fish species in the Bay-Delta estuary through environmentally beneficial changes in SWP/Central Valley Project (CVP) operations at no uncompensated water cost to the project's water users. b. Better protection for fish and habitats at critical times by providing water in a flexible manner other than solely through strict requirements. c. Increase water supply reliability by allowing projects to meet environmental and water supply needs at the same time. *Environmental Water Account Element priorities are to:* d. Continue to provide protection to the fish of the Bay-Delta through changes in SWP/CVP operations. e. Continue short-term water purchases, but shift to making multi-year agreements as the core part of the acquisition strategy. f. Assess SWP/CVP demand buy-down to manage environmental water account (EWA) debt. g. Evaluate the potential for land retirement and drainage mitigation for EWA Assets. h. Explore coordination of New Bullard's Bar and Oroville Reservoir operations. i. Investigate groundwater banking capacity for EWA assets. j. Complete the Long Term EWA EIS/EIR. k. Provide an average of 374 thousand acre feet (TAF) of water for fish habitat actions (250-490 TAF, depending on year type).

IV. Priorities Located in Regional Water Board 2	Priorities
	l. Acquire fixed assets of 210 TAF in critical, 230 TAF in dry, and 250 TAF in other year types, measured in South-of- Delta equivalents (water used to compensate for Delta pumping curtailments must be returned to the projects south of Delta). That water may be purchased and/or stored upstream of the Delta. In such cases, additional water is usually required to offset conveyance and Delta losses. (The phrase "south of Delta equivalents" indicates the net volume required after accounting for such losses). m. Acquire south-of-Delta water storage capability and/or its functional equivalent to bridge high demand periods for the EWA. Functional equivalents may include additional purchases, agreements with the projects to carry debt, or other comparable arrangements. n. Use multi-year wet/dry year exchanges and wet year uneven exchanges to augment assets and manage EWA assets. **Ecosystem Restoration Program Summary** Objectives and priorities for the next 3-5 years 8. <u>Ecosystem Restoration overall objectives</u> a. Achieve recovery of at-risk native species dependent on the Delta and Suisun Bay as the first step toward establishing large, self-sustaining populations of these species; support similar recovery of at-risk native species in SF Bay and the watershed above the estuary; and minimize the need for future endangered species listings by reversing downward population trends of native species that are not listed. b. Rehabilitate natural processes in the Bay-Delta estuary and its watershed to fully support, with minimal ongoing human intervention, natural aquatic and associated terrestrial biotic communities and habitats, in ways that favor native members of those communities. c. Maintain and/or enhance populations of selected species for sustainable commercial and recreational harvest, consistent with the other ERP strategic goals. d. Protect and/or restore functional habitat types in the Bay-Delta estuary and its watershed for ecological and

IV. Priorities Located in Regional Water Board 2	Priorities
	public values such as supporting species and biotic communities, ecological processes, recreation, scientific research, and aesthetics. e. Prevent the establishment of additional nonnative invasive species and reduce the negative ecological and economic impacts of established nonnative species in the Bay-Delta estuary and its watershed. f. Improve and/or maintain water and sediment quality conditions that fully support healthy and diverse aquatic ecosystems in the Bay-Delta estuary and watershed; and eliminate, to the extent possible, toxic impacts to aquatic organisms, wildlife, and people. <u>Near term priorities</u> g. Recover 19 at-risk native species and contribute to the recovery of 25 additional species (see Table ERP-1, below). h. Rehabilitate natural processes related to hydrology, stream channels, sediment, floodplains, and ecosystem water quality. i. Maintain and enhance fish populations critical to commercial, sport, and recreational fisheries. j. Protect and restore functional habitats, including aquatic, upland, and riparian, to allow species to thrive. k. Reduce the negative impacts of invasive species and prevent additional introductions that compete with and destroy native species. l. Improve and maintain water and sediment quality to better support ecosystem health and allow species to flourish. **Table ERP-1:** **At-risk native species of interest to the ERP**

Contribute to the recovery of these species:	
San Joaquin Valley woodrat	*Neotoma fuscipes riparia*
Salt marsh harvest mouse	*Reithrodontomys raviventris*

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IV. Priorities Located in Regional Water Board 2	**Priorities**		
		Riparian brush rabbit	*sylvilagus bachmani riparius*
		California clapper rail	*Rallus langirostris obsoletus*
		Least Bell's vireo	*Vireo bellii pusillus*
		Giant garter snake	*Thamnophis gigas*
		Delta green ground beetle and critical habitat	*Elaphrus viridis*
		Crampton's tuctoria	*Tuctoria mucronata*
		Bank swallow	*Riparia riparia*
		California black rail	*Laterallus jamaicensis coturniculus*
		Greater sandhill crane	*Grus canadensis tabida*
		Little willow flycatcher	*Empidonax traillii brewsteri*
		Swainson's hawk	*Buteo swainsoni*
		Western yellow-billed cuckoo	*Coccyzus americanus occidentalis*
		Delta coyote-thistle	*Eryngium racemosum*
		San Pablo California vole	*Microtus californicus sanpabloensis*
		California yellow warbler	*Dendroica petechia brewsteri*
		Salt marsh common yellowthroat	*Geothlypis trichas sinuosa*
		Sacramento perch	*Archoplites interruptus*
		Alkali milk vetch	*Astragalus tener* var. *tener*
		Bristly sedge	*Carex comosa*
		Point Reyes bird's-beak	*Cordylanthus maritimus* ssp. *Palustris*
		Northern California black walnut native stands	*Juglans californical* var. *hindsii*
		Delta tule pea	*Lathyrus jepsonii* var. *jepsonii*
		Delta mudwort	*Limosella subulata*

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IV. Priorities Located in Regional Water Board 2	**Priorities**		
		Recover these species:	
		Central Valley steelhead evolutionarily significant unit (ESU) and critical habitat	*Oncorhynchus mykiss* (cv)
		Central Valley spring-run chinook salmon ESU and critical habitat	*Oncorhynchus tshawytscha* (sr)
		Delta smelt and critical habitat	*Hypomesus traspacificus*
		Sacramento splittail	*Pogonichthys macrolepidotus*
		Sacramento River winter-run chinook salmon ESU and critical habitat	*Oncorhynchus tshawytscha* (wr)
		Lange's metalmark	*Apodemia mormo langei*
		Valley elderberry longhorn beetle and critical habitat	*Desmocerus californicus dimorphus*
		Suisun thistle	*Cirsium hydrophilum* var. *hydrophilum*
		Soft bird's beak	*Cordylanthus mollis* ssp. *mollis*
		Contra Costa wallflower and critical habitat	*Erysimum capitatum* ssp. *angustatum*
		Antioch Dunes evening-primrose and critical habitat	*Oenothera deltoides* ssp. *howellii*
		Mason's lilaeopsis	*Lilaeopsis masonii*
		Central Valley fall/late fall-run chinook salmon ESU	*Oncorhynchus tshawytscha* (fr)
		Suisun ornate shrew	*Sorex ornatus sinuosus*
		San Pablo song sparrow	*Melospiza melodia samuelis*
		Suisun song sparrow	*Melospiz melodia maxillaris*
		Green sturgeon	*Acipenser medirostris*

IV. Priorities Located in Regional Water Board 2	Priorities
	Longfin smelt — *Spirinchus thaleichthys* Suisun Marsh aster — *Aster lentus* *Specific geographic areas of near term focus include:* m. Sacramento River and; n. Battle Creek o. Butte Creek p. Clear Creek q. Deer Creek r. Yolo Bypass s. San Joaquin River and; t. Cosumnes River u. Tuolumne River v. Merced River w. North Delta x. Suisun Marsh and Bay y. San Pablo Bay, including the Napa and Petaluma rivers and local creeks 9. Levee System Integrity Element Summary Short term objectives and priorities for the next 3-5 years <u>Levee System Integrity Element overall objectives:</u> a. Improve levees to a higher standard for greater flood protection. b. Improve emergency response capabilities.

IV. Priorities Located in Regional Water Board 2	Priorities
	c. Ensure levee maintenance and habitat needs are met. d. Improve coordination of permit processes. e. Develop adequate and reliable funding for levee maintenance. <u>Near term priorities</u> f. Provide Base Level Protection – Base level protection includes actions to understand and reduce the risk of catastrophic levee failure. These actions provide funding to help levee maintaining agencies preserve existing levees, and reconstruct all Delta levees to the PL84-99 Delta specific standard. g. Special Improvement Projects – Special improvement project actions are those that will enhance flood protection beyond base level protection for certain islands protecting public benefits such as water quality, life and personal property, agricultural production, cultural resources, recreation, the ecosystem, and local and statewide infrastructure. There is no action proposed under this portion of the program until accomplishing base level protection on the critical islands. h. Levee Subsidence Control Plan – These are actions to develop best management practices (BMPs) to minimize the risk to levee integrity from land subsidence. i. Emergency Management and Response - Emergency management and response actions are targeted to enhance the existing emergency management response capability of local, State, and Federal agencies to rapidly respond to levee emergencies. *Specific geographic areas of near term focus include:* j. San Joaquin-Sacramento River Delta region. 10. CALFED Watershed Program Goals and Objectives a. Broaden participation in watershed partnerships to improve community capacity to manage watersheds and achieve desired conditions.

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PRIORITIES LOCATED IN REGIONAL WATER BOARD 2

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IV. Priorities Located in Regional Water Board 2	Priorities
	b. Encourage more communities to become involved in watershed management and assist with achieving goals of the Bay-Delta Program. c. Advance the application of science among watershed partnerships through education, and improved tools and information. d. Foster and support strategies to ensure long-term sustainability of watershed activities. e. Maintain and enhance the communication network among the watershed stakeholders to ensure continued information exchange and collaboration. f. Integrate Watershed Program implementation with the other CALFED program elements with emphasis on Water Use Efficiency and Ecosystem Restoration and Drinking Water Quality to ensure that the benefits of local stewardship are more fully realized and each program's effectiveness is enhanced. g. Align activities of agencies, the CALFED Watershed Program and other entities to achieve mutual objectives and to enhance the ability of the implementing and cooperating agencies to manage the Watershed Program.

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IV. Priorities Located in Regional Water Board 2	Priorities
Department Boating and Waterways (Agency ID: DBW)	1. Development of Decision Support Systems (DSS) utilizing the GIS database under development by the Coastal Sediment Management Workgroup (comprised of the Resources Agency, SCC, CCC, DFG, U.S. Army Corps of Engineers and National Oceanic and Atmospheric Administration (NOAA)) to develop a suite of tools to assist coastal managers, engineers, and regulators in making sound regional-based decisions regarding beneficial reuse of sediment in an environmental responsible manner through the development and implementing a the CA Sediment Master Plan (SMP). 2. Project to designate and permit two new nearshore/onshore sites to beneficially reuse acceptable dredge material to renourish sediment impaired (coastal erosion hotspots with a lack of natural sediment) areas. Ventura and Santa Barbara Counties are the two likely targets areas for this project. 3. Detailed monitoring to characterize the affects and impacts of turbidity in nearshore waters derived from a beach restoration project to provide the scientific basis to develop clear and effective water quality and TMDL permit guidelines for future projects. The project location is subject to the availability of a viable and study-worthy restoration project in Southern California.
Department of Conservation (Agency ID: DOC)	1. Continue and expand the watershed coordinator grant program statewide with the goal of creating an environment that encourages watershed Coordinators to collaborate, cooperate, and work with diverse stakeholders to build local capacity to implement watershed improvement projects. 2. Assessment of Abandoned Mines in order to map, analyze, and remediate abandoned mines with chemical hazards including: a. Water sampling/monitoring upstream and downstream of abandoned mines. b. Biological sampling for toxicity. c. Rock and soil sampling and analysis. d. Research historical records. e. Plant community studies on and around abandoned mine lands. f. Ground/aerial mapping abandoned mines using global positioning system (GPS). g. Geologic mapping of abandoned mines.

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IV. Priorities Located in Regional Water Board 2	**Priorities**
	h. Statistical data analysis. 3. Remediation of acid rock drainage or other chemical hazards discharging into impacted waterways (303d listed) from abandoned mines. The highest priority watershed: a. Upper Putah Creek

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IV. Priorities Located in Regional Water Board 2	Priorities
California Coastal Commission (Agency ID: CCC)	The CCA Program is designed to identify coastal areas where water quality is threatened or impacted by new or expanding development and to accelerate the implementation of California's NPS Program Plan so that water quality is protected or restored. Of the 101 coastal areas identified by the CCA program the areas listed below are the highest priority based on existing water quality conditions, value, and sensitivity of coastal resources, new or expanding threats to beneficial uses, and degree of local support for watershed-based planning efforts. Priority work in each of these watersheds is to complete watershed-based plans that assess sources of water quality impairment, threats to water quality from new and expanding development, status of NPS management measure implementation (see the California NPS Plan) and estimations of impervious surface area, drainage density, and waste loading under current and planned conditions. Plans should identify appropriate actions to protect or restore coastal waters including but not limited to implementation of source control, site design, and treatment control BMPs, application of all appropriate NPS management measures and development of land use regulations that protect coastal water quality. **1. Tomales Bay** **2. Napa River** **3. Sonoma Creek** **4. Walker Creek** **5. Fitzgerald Marine Reserve** **6. Pescadero Creek/Butano Creek** **7. Lagunitas Creek** **8. San Gregorio Creek** **9. San Francisquito Creek** **10. Wildcat Creek**

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IV. Priorities Located in Regional Water Board 2	**Priorities**
California Department of Forestry (Agency ID: CDF)	**Please note:** Applicants proposing to do projects on State Forest land must partner with CDF and provide the State Water Board with a letter from CDF acknowledging the partnership. 1. Vegetation Management (Fire and Fuels Reductions) h. Projects that assess fuel conditions in a watershed identify for Fuel Reduction needs, especially, projects or plans that aim to reduce the risk and impact of high severity fires on watershed health (i.e. water quality, water quantity…) and wildlife habitat. i. Projects aimed at reducing fuel loads through Vegetation Management (i.e. controlled burns, vegetation / brush removal…) in high-risk areas. j. Projects that assess vegetation conditions, identify the extent of invasive exotic plant species, provide and implement a plan for removal. k. Where appropriate plans and projects should be coordinated with existing Fire Safe Councils and community based Fire Plans (http://www.firesafecouncil.org/). l. Projects that offer technical assistance to landowners to undertake hazardous fuels reduction. 2. Sediment a. Development and implementation of Road Management Plans to achieve long term reductions in road-related sediment in forested landscapes. b. Projects that implement priorities from existing sediment TMDLs. 3. **Monitoring**[ck2] to evaluate the effectiveness of mitigation measures that are designed to reduce sediment loads or evaluate the impact of management practices on stream temperature. 4. **Canopy Conditions -** Inventory and evaluate the adequacy of riparian buffer zones to provide shade for stream channels. Implement management practices that promote the development and restoration of riparian vegetation that provides stream shade in existing temperature TMDLs. 5. **Large Woody Debris -** Assessment of riparian vegetation and in-stream large woody debris. Develop and implement management plans that will provide for both short and long-term recruitment of large woody debris

IV. Priorities Located in Regional Water Board 2	Priorities
	(LWD) to stream channels. a. In the North Coast region projects should be consistent with "High Priorities" that have been identified under the DFG Coho Recovery Plan (www.dfg.ca.gov/nafwb/fishgrant.html). b. Projects that coordinate the implementation of the Forest Practices Act and the Coho Recovery Strategy. 6. **Land Conversion** - Prepare and implement Community Development Plans that promote the preservation of economically sustainable forest and range lands and discourage land conversion to residential or commercial development. 7. **Timber Management** - Projects that coordinate timber management permitting between CDF and other agencies to promote high-quality forest management and provide regulatory relief and incentives for non-industrial forest landowners.

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PRIORITIES LOCATED IN REGIONAL WATER BOARD 3

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V. Priorities Located in Regional Water Board 3	**Priorities**
State Water Resources Control Board (Agency ID: SWRCB)	**State Water Board <u>General</u> Priorities:** 1. Projects that include the development of a Hydrologic Model that will predict unimpaired flows in streams throughout California. The initial focus should be on the Russian River and its tributaries. The model should be capable of adding impairments (water diversions and use, instream flow requirements, etc.) for the determination if there is water available for appropriation. 2. Projects that include the development of a geographic information system (GIS) that identifies the location of dams and reservoirs on topographic maps. The layers should include all known water diversions, locations of sensitive fish and wildlife habitat. A layer should provide the location of sensitive fish and wildlife habitat. A layer should provide the location of stream reaches that have water right permit of license minimum instream flow requirements. Layers should also identify the location of fully appropriated streams, and designated wild and scenic rivers. 3. Projects to develop and test rapid indicators that detect bacterial contamination in a rapid and cost efficient manner. Projects must be designed to help meet the need for a fast, reliable, accurate, and inexpensive way to test beach water quality. 4. Projects to conduct epidemiology studies to better understand and develop methods to monitor the risk of swimming at non-point source (NPS) contaminated beaches. The need for, and prioritization of, mitigation actions at beach with high bacterial counts is dependent on a better understanding of the relationship between these indicators and health risk. Epidemiology studies should include efforts to associate the incidence of health effects with rapid indicators and new indicators. 5. Projects to develop new quantifiable, accurate and relatively inexpensive indicators: preferably those indicators that are actually human pathogens. The new indicators need to be tied to epidemiology study results to ensure that they are indeed quantifying health risk and must useable by most environmental microbiology labs. 6. Projects to develop Source and test Tracking tools, which are a requirement under Assembly Bill 538 (Statutes 1999, Chapter 488), to help environmental health managers identify sources of fecal contamination. 7. Projects to evaluate the effectiveness of best management practices (BMPs) such as circulation enhancements,

V. Priorities Located in Regional Water Board 3	Priorities
	treatment wetlands, some end of pipe treatment package plants, antibacterial filter materials, and treatment wetlands. A focused investigation of BMP effectiveness of projects to improve circulation needs to be done in order to determine the best approach to improve enclosed beach water quality and protect human health. 8. Projects to improve understanding of and the ability to monitor bacterial Transport Mechanisms, including Bacterial magnification and regrowth. **State Water Board <u>Ocean Protection Project</u> Priorities:** *These priorities, along with the priorities identified by the Ocean Protection Council, must be met in order to apply for the $10 million of the Coastal NPS Pollution Control Program funds devoted to ocean protection projects.* 9. A project to complete the development, validation, assistance in certification, and implementation of Rapid Indicators of beach pathogen contamination. (Rapid Indicators is a statewide priority.) 10. Projects to implement control strategies, and to eliminate NPS discharges to areas of special biological significance (ASBS) and their adjacent Critical Coastal Areas (CCAs).

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V. Priorities Located in Regional Water Board 3	**Priorities**
Regional Water Quality Control Board 3 (Agency ID: RWQCB 3)	**REGIONAL WATER BOARD 3**

Watershed	**Activity/Pollutant**	**Desired Outcome or Measurable Water Quality (WQ) Result**
Regionwide	1. Protect and restore critical habitat (riparian areas, wetlands, buffer zones)	Increase the amount of healthy, functioning critical habitat (riparian areas, wetlands, buffer zones).
	2. Reduce pollutant loads via implementation of total maximum daily loads (TMDLs) and agricultural BMPs	Reduce pollutant loads in high priority watersheds and on highest priority water body segments per TMDLs
	3. Implementation of Low Impact Development (LID) design standards	Reduce stormwater runoff, increase recharge, reduce pollutant loads, protect critical habitat, increase buffer zones, conduct education and outreach to implement LID design standards
	4. Implement performance monitoring to measure success	Conduct a baseline assessment of critical habitat conditions in coordination with State's California Rapid Assessment Method (CRAM) protocol to serve as basis for protection and enhancement. Develop a rapid assessment monitoring methodology for critical habitat conditions Develop benthic invertebrate biocriteria/reference condition identification Support Basin Plan biocriteria revision to use benthic condition

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 3

Applicants must identify priorities that their project will address using the following format:
Region Number_AgencyID_PriorityNumber and letter (if applicable) Example: R3_DWR_5a

V. Priorities Located in Regional Water Board 3	**Priorities**		
			as measure of aquatic life support Measure reduction of pollutant loads associated with implementation of LID, TMDLs, and agricultural BMPs
	South Coast	5. Implement watershed management plans (pathogens and other)	Reduce pathogen and other pollutant discharges into south coast creeks
	South Coast	6. Urban stormwater /ag runoff	Implement or revise management practices and reduce pollutant loads from urban and agricultural sources
	Santa Ynez	7. Sediment control	Reduce sediment loads and improve fish habitat for southern steelhead
	Santa Ynez	8. Agricultural management practice implementation	Reduce sediment, pesticide and nutrient loading, protect, restore, increase critical habitat
	Santa Maria/Oso Flaco	9. Implement Low impact development (LID)	Reduce stormwater runoff (increase recharge), reduce pollutant loads from urbanizing/developing areas, protect, restore, increase critical habitat
	Santa Maria/Oso Flaco	10. Urban stormwater sediment, pesticide, nutrient, etc., loading	Implement or revise management practices and reduce pollutant loads from urban sources
	Santa Maria/Oso Flaco	11. Agricultural management practice implementation	Reduce sediment, pesticide and nutrient loading, protect, restore, and increase critical habitat
	Morro Bay	12. TMDL implementation	Reduce nutrient, sediment and pathogen discharges into Morro Bay
	San Luis	13. TMDL implementation	Reduce pathogen and nutrient discharges

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PRIORITIES LOCATED IN REGIONAL WATER BOARD 3

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V. Priorities Located in Regional Water Board 3	**Priorities**		
	Obispo		
	San Luis Obispo	14. Urban stormwater sediment, pesticide, nutrient, etc., loading	Implement or revise management practices and reduce pollutant loads from urban sources
	San Luis Obispo	15. Agricultural management practice implementation	Reduce sediment, pesticide and nutrient loading, improve water quality
	Central Coast	16. Urban stormwater, sediment, pesticide, nutrient, etc., loading that discharges into the Monterey Bay National Marine Sanctuary	Implement or revise management practices and reduce pollutant loads from urban sources
	Salinas	17. Implement LID	Implement an LID pilot project; develop LID ordinances, implement LID education and outreach. Reduce stormwater runoff (increase recharge), improve quality of stormwater in urbanizing/developing areas. Protect, restore, increase critical habitat
	Salinas	18. Urban stormwater sediment, pesticide, nutrient, etc., loading	Implement or revise management practices and reduce pollutant loads from urban sources
	Salinas	19. Agricultural management practice implementation	Reduce sediment, pesticide and nutrient loading, protect, restore, increase critical habitat
	Pajaro	20. Agricultural	Reduce sediment, pesticide and nutrient loading, protect, restore,

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PRIORITIES LOCATED IN REGIONAL WATER BOARD 3

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V. Priorities Located in Regional Water Board 3	**Priorities**		
		management practice implementation	increase critical habitat
	Pajaro	21. Urban stormwater /ag runoff sediment, pesticide and nutrient loading	Implement or revise management practices and reduce pollutant loads from urban and agricultural sources
	Pajaro	22. Rural residential management measures	Increase implementation of practices to protect WQ in rural residential areas where animal pastures and other activities may be affecting water quality
	Pajaro	23. Watsonville Slough pathogen source identification	Identify sources of pathogens and promote strategies for reducing pathogen loading to the slough
	Pajaro	24. Grazing assessment and management measures	Reduce impacts from grazing operations
	Pajaro	25. Cumulative effects from hydromodification	Identify and reduce effects of hydromodification on water quality, including activities in areas outside urban areas, such as rural roads, culverts, flood control, etc.
	San Lorenzo	26. Pathogen pollution control	Reduce pathogen discharges from septics and domestic animals.
	Valencia Creek	27. Hydromodification plan	Reduce effects of hydromodification on bank erosion; improve steelhead habitat

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 3

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V. Priorities Located in Regional Water Board 3	**Priorities**
Department of Health Services (Agency ID: DHS)	1. Priorities are identified in Appendix A of the Department of Health Services (DHS) Proposition 50 Water Security, clean Drinking Water, Coastal and Beach Protection Act of 2002 (Section79500 et seq.) which is available at the following website: http://www.dhs.ca.gov/ps/ddwem/Prop50/pdfs/CriteriaforChapters3and4-FINAL.pdf. Projects that fit categories A-G are identified as priorities.
Resources Agency (Agency ID: Resources Agency)	1. Projects that will develop, identify, and use appropriate new indicators or identify and use existing indicators for assessments and monitoring of watershed health.
Department of Fish and Game (Agency ID: DFG)	Implement Priority 5D and E actions identified in the Implementation Schedule for the California Central Coast (CCC) in the following hydrologic sub-areas (HSAs) and hydrologic units (HUs): **CCC** 1. Ano Nuevo (Gazos Creek) HAS 2. Big Basin HU 3. Davenport HAS • Implement Priority 5 actions identified in the Steelhead Trout Management Tasks Search Website (http://www.dfg.ca.gov/nafwb/steelhead_tasks.asp?show_instructions=1&huname=+3304.&haname=&hsaname=&calwnum=+3304.&high_priority=1&submit=Submit) in the following HUs: 4. Bolsa Nueva 5. Big Basin 6. Carmel River 7. Carrizo Plain 8. Estero Bay 9. Estrella River 10. Pajaro River 11. Salinas 12. San Antonio

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 3

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V. Priorities Located in Regional Water Board 3	**Priorities**
	13. Santa Barbara Channel Islands 14. Santa Lucia 15. Santa Maria 16. Santa Ynez

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 3

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V. Priorities Located in Regional Water Board 3	**Priorities**
Department of Parks and Recreation (Agency ID: DPR)	The Department of Parks and Recreation (DPR) Watersheds listed below are representative of each ecoregion's special physical and biological characteristics. DPR's priorities include watershed assessment, management, planning, implementation, and improvement in watersheds that exhibit high quality characteristics where DPR has ownership and management responsibility. There are many additional DPR watersheds that exhibit high quality characteristics and are also worthy of support. **Please note:** All applicants proposing to do projects on State Park System lands must partner with DPR and provide State Water Resources Control Board with a letter (or official communication) from DPR acknowledging the partnership and endorsing the proposed project. Contact Syd Brown, Natural Resources Division, California Department of Parks and Recreation at sbrow@parks.ca.gov or 916-653-9930 for specifics. **DPR Representative Watersheds** 1. **Aptos Creek watershed and Bridge Creek** (tributary), The Forest of Nisene Marks State Park (SP), Santa Cruz County. (CCA #35) 2. **Malpaso Creek and Soberanes Creek watersheds**, Garrapata SP, Big Sur Coast, Monterey County 3. **Big Sur River** and tributaries, Andrew Molera SP, Pfeiffer Big Sur State Park, and connects lands of Los Padres National Forest, Monterey County. 4. **Majors, Baldwin and Wilder Creek watersheds**, Wilder Ranch SP, Santa Cruz County. Adjacent creeks which flow directly to Pacific Ocean. 5. **Waddell Creek** watershed, Big Basin Redwoods SP. Includes tributaries West Waddell, East Waddell, Opal, Sempervirens, Maddocks, Rogers, and Union Creeks. Big Basin Redwoods SP, Santa Cruz County. 6. **Cañada de la Gaviota**, (includes Cañada de las Cruces tributary) Gaviota SP, connects with Los Padres NF, Santa Barbara County, drains directly to Pacific Ocean. 7. **Cañada del Capitan**, El Capitan State Beach (SB), connects with Los Padres National Forest (NF) and drains to Pacific Ocean, Santa Barbara County.

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 3

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V. Priorities Located in Regional Water Board 3	**Priorities**
	8. **Islay and Coon Creek** watersheds, Montaña de Oro SP. Drain directly into the Pacific Ocean. Small adjacent coastal watersheds. Coon Creek connects with BLM land and includes Ruda Creek 9. **Gazos Creek and tributaries, Whitehouse, Cascade, Green Oaks and Año Nuevo Creeks**. These small creeks drain directly to the Pacific Ocean, and connect Butano SP, Año Nuevo SP, Año Nuevo SR, and Big Basin Redwoods SP. (CCA # 33)

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PRIORITIES LOCATED IN REGIONAL WATER BOARD 3

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V. Priorities Located in Regional Water Board 3	Priorities
State Coastal Conservancy (Agency ID: SCC)	1. Projects which enhance summertime stream flows in coastal watersheds. 2. Project which implement Watershed Enhancement Plans developed jointly by watershed groups and the State Coastal Conservancy (SCC). 3. Completion of fish passage barrier removal projects that benefit listed salmon and steelhead stocks. 4. Acquisition of conservation easements that result in the permanent dedication of in-stream flows for salmonid habitat protection. 5. Surface agricultural return flows are returns from water applied to irrigated land, including, but is not limited to, land planted to row, field and tree crops as well as commercial nurseries, nursery stock production, managed wetlands. 6. Installation, operation, and assessment of the efficacy of infrastructure and/or use and assessment of the efficacy of management practices that results in the measurable reduction of stormwater runoff of sediment and pesticides in watershed tributaries. 7. Projects which support capacity to establish and implement locally directed watershed management programs: i.e. programs which include watershed assessments, development of watershed management plans, establish watershed data management capacity, implementation of watershed management plans, community watershed education, and watershed monitoring within the watershed. 8. Projects in a watershed, including the San Francisco Bay, which increase the amount of wetlands that are designed and managed to maximize beneficial uses while minimizing detrimental effects. 9. Projects in a Coastal Watershed that assess the effects of contaminants on aquatic species and develops and implements management projects, including demonstration projects. 10. Projects that assess and address groundwater impacts due to nitrates from confined animal or onsite disposal systems within a watershed. 11. Projects that create, sustain, and/or increase local capacity to plan and implement the targeted projects including projects that provide technical and financial capacity, such as re-granting programs, to newer or smaller stakeholders so that they will eventually be able to plan and implement targeted projects 12. Support similar recovery of at-risk native species in San Francisco Bay and the watershed above the estuary;

V. Priorities Located in Regional Water Board 3	Priorities
	and minimize the need for future endangered species listings by reversing downward population trends of native species that are not listed. 13. Support projects that rehabilitate natural processes in the Bay and urban watersheds. 14. Continue and expand the watershed coordinator grant program statewide with the goal of creating an environment that encourages watershed Coordinators to collaborate, cooperate and work with diverse stakeholders to build local capacity to implement watershed improvement projects. 15. Projects that implement priorities from existing sediment TMDLs. 16. Monitoring to evaluate the effectiveness of mitigation measures that are designed to reduce sediment loads or evaluate the impact of management practices on stream temperature. 17. Inventory and evaluate the adequacy of riparian buffer zones to provide shade for stream channels. 18. Implement management practices that promote the development and restoration of riparian vegetation that provides stream shade in existing temperature TMDLs. 19. Restore and protect wetlands, riparian and other sensitive aquatic habitats. Activities of concern are hydromodofication and other negative impacts to these habitats. Desired results are improvements to function of these habitats as measured by sound science. 20. Improve stakeholder outreach and education (including Grades K-12), and public participation in water quality decisions. 21. Activity of concern is degradation of surface and groundwater quality standards. Desired result is to foster environmental stewardship within the community, thus contributing to the long-term attainment and maintenance of water quality standards. 22. Develop or improve water management plans, based on sound science, to address water quality/quantity and related issues on watershed, cross-watershed or regional basis. 23. Projects that integrate surface and groundwater quality improvement activities while promoting collaborative and cooperative efforts within a watershed, cross-watershed or regional context. 24. Improved coordination of land use planning and water management through applying watershed management strategies within Integrated Regional Water Management planning and implementation efforts.

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 3

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Region Number_AgencyID_PriorityNumber and letter (if applicable) Example: R3_DWR_5a

V. Priorities Located in Regional Water Board 3	**Priorities**
	25. Improve water supply reliability through conjunctive use programs and integration of flood management with water supply management. 26. Improved ecological function of floodplains and stream corridors. 27. Projects that include operations and maintenance for multiple years for stream gauge stations. 28. Project located along- a. Monterey Bay b. Salinas River c. Pajaro River d. Gazo Creek e. Carmel River f. Garrapata Creek g. San Luis Obispo Fish Passage h. San Clemente Dam i. Santa Barbara Coastal Fish Passage and IWRP priorities

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 3

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V. Priorities Located in Regional Water Board 3	**Priorities**
Ocean Protection Council (Agency ID: OPC)	1. These Guidelines adopt the State Water Board priorities for ocean protection projects. It is anticipated that the Ocean Protection Council (OPC) will adopt their ocean protection project priorities for the 2005-06 Consolidated Grants Program at their January 13, 2006 meeting. Once adopted by the OPC, their priorities will be posted on the State Water Board's website at: http://www.waterboards.ca.gov/funding/consolidgrants0506.html
Department of Water Resources (Agency ID: DWR)	**GENERAL PRIORITIES** 1. Improved coordination of land use planning and water management through applying watershed management strategies within Integrated Regional Water Management planning and implementation efforts. 2. Improve water supply reliability through conjunctive use programs and integration of flood management with water supply management. 3. Improved ecological function of floodplains and stream corridors. 4. Assist newly formed (within last 5 years) Resource Conservation Districts (RCDs) with capacity building for restoration, stewardship, and water management, e.g NRCD **WATERSHED SPECIFIC PRIORITIES** 5. Plan and implement salmonid fish passage improvements including improved riparian habitat in the following rivers/streams: 6. Carmel River, passage associated with San Clemente Dam modifications or removal.
California Bay Delta Authority (Agency ID: CALFED)	Not Applicable

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 3

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V. Priorities Located in Regional Water Board 3	Priorities
Department Boating and Waterways (Agency ID: DBW)	1. Development of Decision Support Systems(DSS) utilizing the GIS database under development by the Coastal Sediment Management Workgroup (comprised of the Resources Agency, SCC, CA Coastal Commission, Department of Fish and Game, U.S. Army Corps of Engineers and NOAA) to develop a suite of tools to assist coastal managers, engineers and regulators in making sound regional-based decisions regarding beneficial reuse of sediment in an environmental responsible manner through the development and implementing a the CA Sediment Master Plan (SMP). 2. Project to designate and permit two new nearshore /onshore sites to beneficially reuse acceptable dredge material to renourish sediment impaired (coastal erosion hotspots with a lack of natural sediment) areas. Ventura and Santa Barbara Counties are the two likely targets areas for this project. 3. Detailed monitoring to characterize the affects and impacts of turbidity in nearshore waters derived from a beach restoration project to provide the scientific basis to develop clear and effective water quality and TMDL permit guidelines for future projects. The project location is subject to the availability of a viable and study-worthy restoration project in southern California.
Department of Conservation (Agency ID: DOC)	1. Continue and expand the watershed coordinator grant program statewide with the goal of creating an environment that encourages Watershed Coordinators to collaborate, cooperate and work with diverse stakeholders to build local capacity to implement watershed improvement projects. 2. Assessment of Abandoned Mines in order to map, analyze and remediate abandoned mines with chemical hazards including: a. Water sampling/ monitoring upstream and downstream of abandoned mines. b. Biological sampling for toxicity c. Rock and soil sampling and analysis d. Research historical records e. Plant community studies on and around abandoned mine lands. f. Ground/aerial mapping abandoned mines using GPS. g. Geologic mapping of abandoned mines

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PRIORITIES LOCATED IN REGIONAL WATER BOARD 3

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V. Priorities Located in Regional Water Board 3	**Priorities**
	h. Statistical data analysis 3. Remediation of acid rock drainage or other chemical hazards discharging into impacted waterways (303d listed) from abandoned mines.

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V. Priorities Located in Regional Water Board 3	**Priorities**
California Coastal Commission (Agency ID: CCC)	The Critical Coastal Areas (CCA) Program is designed to identify coastal areas where water quality is threatened or impacted by new or expanding development and to accelerate the implementation of California's Nonpoint Source (NPS) Program Plan so that water quality is protected or restored. Of the 101 coastal areas identified by the CCA program the areas listed below are the highest priority based on existing water quality conditions, value and sensitivity of coastal resources, new or expanding threats to beneficial uses, and degree of local support for watershed-based planning efforts. Priority work in each of these watersheds is to complete watershed-based plans that assess sources of water quality impairment, threats to water quality from new and expanding development, status of NPS management measure implementation (see the California NPS Plan) and estimations of impervious surface area, drainage density and waste loading under current and planned conditions. Plans should identify appropriate actions to protect or restore coastal waters including but not limited to implementation of source control, site design and treatment control BMPs, application of all appropriate NPS management measures and development of land use regulations that protect coastal water quality. **1. Watsonville Slough** **2. Elkhorn Slough** **3. Old Salinas River** **4. Carmel Bay** **5. Morro Bay and tributaries** **6. San Luis Obispo Creek** **7. Carpinteria Marsh** **8. San Lorenzo River** **9. Aptos Creek** **10. Salinas River** **11. Pacific Grove Marine Gardens Fish Refuge** **12. Goleta Slough**

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PRIORITIES LOCATED IN REGIONAL WATER BOARD 3

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V. Priorities Located in Regional Water Board 3	**Priorities**
California Department of Forestry (Agency ID: CDF)	**Please note:** Applicants proposing to do projects in State Forest land must partner with CDF and provide STATE WATER BOARD with a letter from CDF acknowledging the partnership. 1. **Vegetation Management (Fire and Fuels Reductions)** a. Projects that assess fuel conditions in a watershed identify for Fuel Reduction needs, especially, projects or plans that aim to reduce the risk and impact of high severity fires on watershed health (i.e. water quality, water quantity…) and wildlife habitat. b. Projects aimed at reducing fuel loads through Vegetation Management (i.e. controlled burns, vegetation / brush removal…) in high-risk areas. c. Projects that assess vegetation conditions, identify the extent of Invasive exotic plant species, provide and implement a plan for removal. d. Where appropriate plans and projects should be coordinated with existing Fire Safe Councils and community based Fire Plans (http://www.firesafecouncil.org/). e. Projects that offer technical assistance to landowners to undertake hazardous fuels reduction. 2. **Sediment** a. Development and implementation of Road Management Plans to achieve long term reductions in road-related sediment in forested landscapes. b. Projects that implement priorities from existing sediment TMDLs. 3. **Monitoring**[ck3] to evaluate the effectiveness of mitigation measures that are designed to reduce sediment loads or evaluate the impact of management practices on stream temperature. 4. **Canopy Conditions -** Inventory and evaluate the adequacy of riparian buffer zones to provide shade for stream channels. Implement management practices that promote the development and restoration of riparian vegetation that provides stream shade in existing temperature TMDLs. 5. **Large Woody Debris -** Assessment of riparian vegetation and in-stream large woody debris. Develop and implement management plans that will provide for both short and long-term recruitment of LWD to stream channels.

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PRIORITIES LOCATED IN REGIONAL WATER BOARD 3

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V. Priorities Located in Regional Water Board 3	**Priorities**
	a. In the North Coast region projects should be consistent with "High Priorities" that have been identified under the DFG Coho Recovery Plan (www.dfg.ca.gov/nafwb/fishgrant.html). b. Projects that coordinate the implementation of the Forest Practices Act and the Coho Recovery Strategy. 6. **Land Conversion -** Prepare and implement Community Development Plans that promote the preservation of economically sustainable forest and range lands and discourage land conversion to residential or commercial development. 7. **Timber Management -** Projects that coordinate timber management permitting between CDF and other agencies to promote high-quality forest management and provide regulatory relief and incentives for non-industrial forest landowners.

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 4

Applicants must identify priorities that their project will address using the following format:
Region Number_AgencyID_PriorityNumber and letter (if applicable) Example: R4_DWR_5a

VI. Priorities Located in Regional Water Board 4	**Priorities**
State Water Resources Control Board (Agency ID: SWRCB)	**State Water Board <u>General</u> Priorities:** 1. Projects that include the development of a Hydrologic Model that will predict unimpaired flows in streams throughout California. The initial focus should be on the Russian River and its tributaries. The model should be capable of adding impairments (water diversions and use, instream flow requirements etc. for the determination if there is water available for appropriation. 2. Projects that include the development of a geographic information system (GIS) that identifies the location of dams and reservoirs on topographic maps. The layers should include all known water diversions, locations of sensitive fish and wildlife habitat. A layer should provide the location of sensitive fish and wildlife habitat. A layer should provide the location of stream reaches that have water right permit of license minimum instream flow requirements. Layers should also identify the location of fully appropriated streams, and designated wild and scenic rivers. 3. Projects to develop and test rapid indicators that detect bacterial contamination in a rapid and cost efficient manner. Projects must be designed to help meet the need for a fast, reliable, accurate and inexpensive way to test beach water quality. 4. Projects to conduct epidemiology studies to better understand and develop methods to monitor the risk of swimming at non-point source contaminated beaches. The need for, and prioritization of, mitigation actions at beach with high bacterial counts is dependent on a better understanding of the relationship between these indicators and health risk. Epidemiology studies should include efforts to associate the incidence of health effects with rapid indicators and new indicators. 5. Projects to develop new quantifiable, accurate and relatively inexpensive indicators: preferably those indicators that are actually human pathogens. The new indicators need to be tied to epidemiology study results to ensure that they are indeed quantifying health risk and must useable by most environmental microbiology labs. 6. Projects to develop Source and test Tracking tools, which are a requirement under Assembly Bill 538 (Statutes 1999, Chapter 488), to help environmental health managers identify sources of fecal contamination. 7. Projects to evaluate the effectiveness of best management practices (BMPs) such as circulation enhancements, treatment wetlands, some end of pipe treatment package plants, antibacterial filter materials, and treatment wetlands. A focused investigation of BMP effectiveness of projects to improve circulation needs to be done in order to

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VI. Priorities Located in Regional Water Board 4	**Priorities**
	determine the best approach to improve enclosed beach water quality and protect human health. 8. Projects to improve understanding of and the ability to monitor bacterial Transport Mechanisms, including Bacterial magnification and regrowth. **State Water Board Ocean <u>Protection Project</u> Priorities:** *These priorities, along with the priorities identified by the Ocean Protection Council, must be met in order to apply for the $10 million of the Coastal Nonpoint Source Pollution Control Program funds devoted to ocean protection projects.* 9. A project to complete the development, validation, assistance in certification, and implementation of Rapid Indicators of beach pathogen contamination. (Rapid Indicators is a statewide priority.) 10. Projects to implement control strategies, and to eliminate nonpoint source (NPS) discharges to areas of special biological significance (ASBS) and their adjacent Critical Coastal Areas (CCAs).

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VI. Priorities Located in Regional Water Board 4	**Priorities**
Regional Water Quality Control Board 4 (Agency ID: RWQCB 4)	

Watersheds	**Pollutant of Concern &/or activity**	**Type of Project***	**Measurable water quality Result**
1. Los Angeles River	Trash	Projects meeting the "full capture" definition in the Trash TMDL and for projects that will address large drainages.	Trash discharges in the facility drainage area to meet the final TMDL Waste Load Allocation.
2. Los Angeles River	Metals	Projects that implement the Metals TMDL (adopted by the Regional Board on June 2, 2005) that incorporate an integrated water resources approach and address multiple pollutants including toxic metals and bacteria.	Discharges from facility drainage area to meet applicable TMDL allocations. Reduced pollutant concentrations in water column and sediments.
3. San Gabriel River	Metals/Sediment	Projects that reduce sediment, metals and other toxic discharges and incorporate an integrated water resources approach. A Metals TMDL under development will be closely modeled on the L.A. River Metals TMDL.	Discharges from facility drainage area to meet applicable TMDL allocations. Reduced pollutant concentrations in water column and sediments.
4. San Gabriel River (Upper Watershed)	Trash/Pathogens	Projects that implement control/removal of Trash and Pathogens in the upper watershed.	Attainment of Recreation standards, trash load reductions, etc.

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VI. Priorities Located in Regional Water Board 4	**Priorities**				
	5. San Gabriel River (Upper Watershed)	Sedimentation	Implement environmentally sensative/protective sediment removal and/or disposal (non-sluicing) from reservoirs and remidate impacts from previous sluicing acitivites	Restore damaged areas from previous sluicing projects or implement direct removal projects	
	6. Dominguez Channel	Metals /Toxics/ Bacteria	Projects that reduce sediment, metals and other toxic discharges and incorporate an integrated water resources approach. TMDLs under development will closely model those for Ballona Creek and Calleguas Creek Toxic TMDLs.	Reduction in metals, PAHs, PCBs, levels in water column and in sediment.	
	7. Santa Monica Bay	Pathogens	Projects that implement the Santa Monica Bay Beaches wet-weather bacteria TMDL and incorporate an integrated water resources approach.	Beaches in drainage area to meet Wet-Weather Allocations in Santa Monica Bay Beaches Bacteria TMDL.	
	8. Marina del Rey	Pathogens	Projects that will attain the wet-weather waste load or load allocations in the Marina del Rey Harbor Bacteria TMDL and incorporate an integrated water resources approach.	Mothers Beach and other Back Basins to meet Marina del Rey Harbor Wet-Weather waste load allocations.	
	9. Marina del Rey	Pathogens	Facilities for marine pump out and upgrades of existing facilities or other facilities to reduce potential bacteria discharges from marine vessels or other nonpoint sources.	Lower bacteria counts throughout the Harbor.	

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VI. Priorities Located in Regional Water Board 4	**Priorities**					
		10. Ballona Creek and Estuary	Metals, Historic Pesticides, PAHs, PCBs	Projects that will meet the Ballona Creek Metals TMDL and the Ballona Creek Estuary Toxics TMDL wet-weather waste load allocations and which incorporate an integrated water resources approach.	Discharges from facility drainage area to meet applicable TMDL allocations.	
		11. Ballona Creek and Estuary	Pathogens	Projects that will meet the wet-weather WLA as defined in the Santa Monica Bay Beaches Bacteria TMDL and which incorporate an integrated water resources approach.	Ballona Creek to meet the Santa Monica Bay wet-weather Bacteria waste load allocations.	
		12. Ballona Creek and Estuary	Trash	Projects meeting the "full capture" definition in the Trash TMDL and for projects that will address large drainages.	Trash discharges in the facility drainage area to meet the final TMDL Waste Load Allocation.	
		13. Ballona Creek and Estuary		Facilities that will meet Waste Load Allocations for bacteria, metals and toxics and incorporate an integrated water resources approach.	Meet the final WLAs in all Ballona Creek TMDLs.	
		14. Malibu Creek	Pathogens, total nitrogen, total phosphorus	Projects that will replace OSWTs with a centralized POTW and/or for upgrades to POTWs to reduce nutrient discharges to the Creek or its tributaries.	Reduced bacteria levels in Malibu Creek and Lagoon. Reductions in total nitrogen, total phosphorus, decreased levels of algae, enhanced benthic and amphibian communities.	

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VI. Priorities Located in Regional Water Board 4	**Priorities**				
	15. Malibu Creek	Sedimentation	Off line facilities to reduce wet-weather sediment discharges to Malibu Creek and its tributaries. In-stream sedimentation basins are to be discouraged, and will be ranked as a low priority.	Decreased siltation of creeks, lakes and in the Lagoon. Improved benthic communities.	
	16. Calleguas Creek	Historic OC Pesticides, OP Pesticides, Toxicity, Silt, Metals	Projects that reduce silt, pesticides, and metals and will attain final allocations as specified in the Calleguas Creek Historic Pesticide and Siltation TMDL or the Toxicity TMDL adopted by the Regional Board on July 7, 2005.	Waterbodies to meet applicable final TMDL allocations. Decreased toxicity and siltation resulting in improved aquatic communities.	
	17. Calleguas Creek	Sedimentation	Off-line facilities to reduce wet-weather sediment discharges to Calleguas Creek and its tributaries. In-stream sedimentation basins are to be discouraged, and will be ranked as a low priority.	Decreased siltation of creeks, lakes and in the Lagoon. Improved benthic communities.	
	18. Calleguas Creek	Chloride, Salts	Projects that reduce Chloride discharges to Calleguas Creek or to groundwater.	In stream choride levels to be reduced to at least below existing water quality choride objective of 150 mg/L, below aquatic life impacts.	

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VI. Priorities Located in Regional Water Board 4	**Priorities**					
		19. Santa Clara River	Chloride, Salts	Projects that reduce Chloride discharges to the Santa Clara River or to groundwater.	In stream choride levels to be reduced to at least below existing water quality choride objective of 100 mg/L, supporting the agricultural water supply beneficial use.	
		20. Santa Clara River	Nutrients	Projects that will divert sewage discharges from OSWTs to POTW designed to meet the waste load allocation in the Santa Clara River Nitrogen TMDL or septic tank prohibition.	To reduce total nitrogen discharges to groundwater which is used as a drinking water supply and to the Santa Clara River. Reductions in nitrogen levels in groundwater will not be evident for some time.	
		21. Regional Marinas & Channel Islands Harbor	Bacteria	Adding facilities for marine pump out and upgrades of existing facilities or other facilities to reduce potential bacteria discharges from marine vessels or other nonpoint sources.	To reduce bacteria discharges from marine vessels in the harbor. Reductions in bacteria levels in the harbor.	
		22. Ventura River	Metals (Selenium)/Sediment	Off-line facilities to reduce wet-weather sediment discharges to the river and its tributaries. In-stream sedimentation basins are to be discouraged, and will be ranked as a low priority.	Decreased siltation in the River during next wet-weather season.	

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VI. Priorities Located in Regional Water Board 4	**Priorities**			
	REGION WIDE			
	23. Los Angeles Region	Stream Stabilization/erosion control	Implement stream stabilization/erosion control measures in combination with habitat enhancement in highly erosive/unstable areas using "green" methods.	Cost effective, multipurpose projects that reduce regional stabilization/erosion hot spots.
	24. Los Angeles Region	Habitat Restoration	Restoration of riparian corridors, wetlands and native habitats through sustainable stream/wetlands/floodplain habitat restoration activities that include improving habitat connectivity, whenever possible, and may include invasive species eradication, as appropriate	Improvement in Index of Biological Integrity (IBI) score for the benthic community from very poor/poor to at least fair; or improvement from fair to good depending on the original condition. Connection of habitats.
	25. Los Angeles Region	Regional or sub-regional stormwater treatment or infiltration of 0.75 inch rainfall above & beyond permit requirements	Source control projects such as the reduction of imperviousness, Low Impact Development and Sustainable Development Measures, and sediment load reduction	Additional volume per area infiltrated or other quantiable meassure.

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VI. Priorities Located in Regional Water Board 4	**Priorities**			
	26. Los Angeles Region	Implement salinity control programs (chloride & other compounds) in inland waters	Include source control (removal of water softeners and other inputs), regional site-specific desalter installation, construction of brine lines, etc. Set up programs that survey commercial flows (e.g. from packing houses, labs, etc.) and old-fashioned water softeners, to quantify and assess ($$$) salt inputs.	Quantifiable reduction of chloride levels, water-softeners, etc. Demonstrated water conservation, reduction, and recycling benefits.
	27. Los Angeles Region	Nearshore fate & transport studies	Conduct detailed studies in nearshore waters subject to TMDLs to determine fate and transport of pollutants that accumulate in sediments and biota	Quantify and characterize pollutants of concern
			Cost effective, integrated, multi-beneficial use projects in impaired watersheds will receive the highest consideration.	**Quantifiable benefits based on either cost per area, volume, load reduction, attainment of water quality standard, or other measure will be used to help select projects.**

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VI. Priorities Located in Regional Water Board 4	**Priorities**
Department of Health Services (Agency ID: DHS)	1. Priorities are identified in Appendix A of the Department of Health Services (DHS) Proposition 50 Water Security, clean Drinking Water, Coastal and Beach Protection Act of 2002 (Section79500 et seq.) which is available at the following website: http://www.dhs.ca.gov/ps/ddwem/Prop50/pdfs/CriteriaforChapters3and4-FINAL.pdf. Projects that fit categories A-G are identified as priorities.
Resources Agency (Agency ID: Resources Agency)	1. Projects that will develop, identify, and use appropriate new indicators or identify and use existing indicators for assessments and monitoring of watershed health.
Department of Fish and Game (Agency ID: DFG)	Implement Priority 5 actions identified in the Steelhead Trout Management Tasks Search Website (http://www.dfg.ca.gov/nafwb/steelhead_tasks.asp?show_instructions=1&huname=+3304.&haname=&hsaname=&calwnum=+3304.&high_priority=1&submit=Submit) in the following HUs: 1. Buenaventura 2. Calleguas 3. Dominguez Channel 4. Los Angeles River 5. Oxnard 6. Pitas Point 7. San Gabriel River 8. San Pedro Channel Islands 9. Santa Clara 10. Santa Clara 11. Santa Monica Bay 12. Ventura Coastal Streams 13. Ventura Rivers
Department of Parks and Recreation (Agency ID: DPR)	The Department of Parks and Recreation (DPR) Watersheds listed below are representative of each ecoregion's special physical and biological characteristics. DPR's priorities include watershed assessment, management, planning, implementation, and improvement in watersheds that exhibit high quality characteristics where DPR has ownership and management responsibility. There are many additional DPR watersheds that exhibit high quality characteristics and are

VI. Priorities Located in Regional Water Board 4	Priorities
	also worthy of support. **Please note:** All applicants proposing to do projects on State Park System lands must partner with DPR and provide State Water Resources Control Board with a letter (or official communication) from DPR acknowledging the partnership and endorsing the proposed project. Contact Syd Brown, Natural Resources Division, California Department of Parks and Recreation at sbrow@parks.ca.gov or 916-653-9930 for specifics. **DPR Representative Watersheds** 1. **Big Sycamore Canyon and La Jolla Canyon watersheds,** Point Mugu State Park (SP), connects with Santa Monica Mountains National Recreation Area (NRA) (CCA #59). 2. **Malibu Creek watershed, Malibu Creek SP and Malibu Lagoon State Beach (SB).** Connects with Santa Monica Mountains NRA. Includes Rindge Dam, a candidate for removal, and being evaluated for de-commissioning by Bureau of Reclamation, Corps of Engineers, State Coastal Conservancy (SCC), and DPR. (CCA #60)

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VI. Priorities Located in Regional Water Board 4	Priorities
State Coastal Conservancy (Agency ID: SCC)	1. Projects which enhance summertime stream flows in coastal watersheds. 2. Project which implement Watershed Enhancement Plans developed jointly by watershed groups and the State Coastal Conservancy (SCC). 3. Completion of fish passage barrier removal projects that benefit listed salmon and steelhead stocks. 4. Acquisition of conservation easements that result in the permanent dedication of in-stream flows for salmonid habitat protection. 5. Surface agricultural return flows are returns from water applied to irrigated land, including, but is not limited to, land planted to row, field and tree crops as well as commercial nurseries, nursery stock production, managed wetlands. 6. Installation, operation, and assessment of the efficacy of infrastructure and/or use and assessment of the efficacy of management practices that results in the measurable reduction of stormwater runoff of sediment and pesticides in watershed tributaries. 7. Projects which support capacity to establish and implement locally directed watershed management programs: i.e. programs which include watershed assessments, development of watershed management plans, establish watershed data management capacity, implementation of watershed management plans, community watershed education, and watershed monitoring within the watershed. 8. Projects in a watershed, including the San Francisco Bay, which increase the amount of wetlands that are designed and managed to maximize beneficial uses while minimizing detrimental effects. 9. Projects in a Coastal Watershed that assess the effects of contaminants on aquatic species and develops and implements management projects, including demonstration projects. 10. Projects that assess and address groundwater impacts due to nitrates from confined animal or onsite disposal systems within a watershed. 11. Projects that create, sustain, and/or increase local capacity to plan and implement the targeted projects including projects that provide technical and financial capacity, such as re-granting programs, to newer or smaller stakeholders so that they will eventually be able to plan and implement targeted projects 12. Support similar recovery of at-risk native species in San Francisco Bay and the watershed above the estuary; and

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VI. Priorities Located in Regional Water Board 4	Priorities
	minimize the need for future endangered species listings by reversing downward population trends of native species that are not listed. 13. Support projects that rehabilitate natural processes in the Bay and urban watersheds. 14. Continue and expand the watershed coordinator grant program statewide with the goal of creating an environment that encourages watershed Coordinators to collaborate, cooperate and work with diverse stakeholders to build local capacity to implement watershed improvement projects. 15. Projects that implement priorities from existing sediment TMDLs. 16. Monitoring to evaluate the effectiveness of mitigation measures that are designed to reduce sediment loads or evaluate the impact of management practices on stream temperature. 17. Inventory and evaluate the adequacy of riparian buffer zones to provide shade for stream channels. 18. Implement management practices that promote the development and restoration of riparian vegetation that provides stream shade in existing temperature TMDLs. 19. Restore and protect wetlands, riparian and other sensitive aquatic habitats. Activities of concern are hydromodofication and other negative impacts to these habitats. Desired results are improvements to function of these habitats as measured by sound science. 20. Improve stakeholder outreach and education (including Grades K-12), and public participation in water quality decisions. 21. Activity of concern is degradation of surface and groundwater quality standards. Desired result is to foster environmental stewardship within the community, thus contributing to the long-term attainment and maintenance of water quality standards. 22. Develop or improve water management plans, based on sound science, to address water quality/quantity and related issues on watershed, cross-watershed or regional basis. 23. Projects that integrate surface and groundwater quality improvement activities while promoting collaborative and cooperative efforts within a watershed, cross-watershed or regional context. 24. Improved coordination of land use planning and water management through applying watershed management strategies within Integrated Regional Water Management planning and implementation efforts.

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VI. Priorities Located in Regional Water Board 4	**Priorities**
	25. Improve water supply reliability through conjunctive use programs and integration of flood management with water supply management. 26. Improved ecological function of floodplains and stream corridors. 27. Projects that include operations and maintenance for multiple years for stream gauging stations. 28. So CA arundo control; 29. Projects located within- a. Dominguez Watershed b. Compton Creek Watershed c. Matillija Dam ecosystem restoration d. Malibu Creek watershed, e. Santa Clara River Parkway f. Santa Monica Mtns. Steelhead Assessment.

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VI. Priorities Located in Regional Water Board 4	**Priorities**
Ocean Protection Council (Agency ID: OPC)	These Guidelines adopt the State Water Board priorities for ocean protection projects. It is anticipated that the Ocean Protection Council (OPC) will adopt their ocean protection project priorities for the 2005-06 Consolidated Grants Program at their January 13, 2006 meeting. Once adopted by the OPC, their priorities will be posted on the State Water Board's website at: http://www.waterboards.ca.gov/funding/consolidgrants0506.html
Department of Water Resources (Agency ID: DWR)	**GENERAL PRIORITIES** 1. Improved coordination of land use planning and water management through applying watershed management strategies within Integrated Regional Water Management planning and implementation efforts. 2. Improve water supply reliability through conjunctive use programs and integration of flood management with water supply management. 3. Improved ecological function of floodplains and stream corridors. 4. Assist newly formed (within last 5 years) Resource Conservation Districts (RCDs) with capacity building for restoration, stewardship, and water management, e.g. NRCD **WATERSHED SPECIFIC PRIORITIES** 5. Mitigate the impacts from urbanization and channelization in the Los Angeles and San Gabriel Rivers and Tuhunga Wash to reduce runoff and flooding, increase infiltration and recharge. 6. Restore habitat and increase access and recreation opportunities in American R. tributaries below Folsom Dam, and in the Los Angeles R. and San Gabriel R. 7. Support or establish regional technical assistance and stewardship group coordination in the Sacramento Valley, San Joaquin Valley, Tulare basin, and Southern California from Santa Monica Bay to the Mexican border.
California Bay Delta Authority (Agency ID: CALFED)	**CALFED Bay Delta Program Elements** A focused and clearly made connection in your project between the Watershed Program priorities and one or more other Program Elements is likely to be more persuasive than a more general sweeping attempt to connect all the Elements in one project.

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VI. Priorities Located in Regional Water Board 4	**Priorities**
	Water Management Program Summary Objectives and priorities for the next 3-5 years 1. <u>Water Management overall objectives:</u> a. Maximize the use of existing available water supplies through conservation, water recycling, transfers and water quality improvements. b. Increase the flexibility of water systems at the state, federal and local level through improvements in conveyance, storage and water project operations. c. Develop groundwater and surface water storage projects to boost flexibility and provide additional supplies for agriculture, urban and environmental use. 2. <u>Water Use Efficiency Element</u> *Water Use Efficiency Element objectives are to:* a. Reduce water demand through conservation of presently used supplies. b. Improve water quality by altering volume, concentration, timing and location of irrigation and wastewater return flows. c. Improve ecosystem health by increasing in-stream flows where necessary to achieve targeted benefits. *Water Use Efficiency Element priorities are to:* d. Credibly estimate past and expected performance (costs and benefits) of water conservation and recycling activities in California. e. Develop volumetric (e.g. acre-feet of water conserved) targets for agricultural and urban conservation and recycling, divided into contributions toward water supply ("real water conservation"), in-stream flows, and improved water quality. f. Make progress to achieve the Agriculture Water Use Efficiency quantifiable objectives for the 21 designated regions.

VI. Priorities Located in Regional Water Board 4	Priorities
	Specific geographic areas of near term focus include: g. Twenty-one regions designated in Appendix A of the Program Plan available at the following website: (http://calwater.ca.gov/Archives/WaterUseEfficiency/WaterUseEfficiencyQuantifiableObjectives.shtml) 3. Drinking Water Quality Element *Drinking Water priorities for watershed projects are to:* a. Advance understanding of how watersheds connect to both local and statewide drinking water supplies. Projects that advance efforts to develop and implement regional drinking water quality management plans are particularly important. Watershed groups are encouraged to work with both local water utilities and with the CALFED program to develop plans that identify the status of existing water quality and the water quality goals within the region, identify connections to other regions, and develop strategies for water quality improvement or maintenance. These plans can be incorporated into integrated regional water management plans or built upon existing resource management plans. b. Support efforts to understand how source improvement actions interact with water management actions, and improved treatment to improve drinking water quality at the tap. c. Educate stakeholders and the public on the connections between watersheds and drinking water supplies. d. Reduce stormwater runoff through projects that protect or restore natural hydrology. e. Reduce pollutant loadings from sources that may contribute drinking water pollutants of concern including animal grazing, animal feeding operations, irrigated agriculture, managed wetlands, and urban areas. (Reduce loadings of pollutants that have the greatest impact on drinking water supplies. (Pollutants identified as being of most drinking water quality concern in the Delta are organic carbon, bromide, salinity, nutrients, turbidity, taste and odor producing compounds, and pathogens. Other pollutants such as arsenic, perchlorate, and herbicides are of local or regional concern.) *Specific geographic areas of near term focus include:* f. Delta islands

VI. Priorities Located in Regional Water Board 4	Priorities
	g. Delta tributaries below the major dams h. San Joaquin Valley i. Sacramento Valley j. Watersheds that directly affect State or federal water project canals or reservoirs. Proximity to drinking water intakes or groundwater recharge areas for drinking water wells is an important consideration. 4. <u>Conveyance Element</u> *Conveyance Element objectives are to:* a. Modify the existing conveyance system for water supply, water quality, flood protection and ecosystem benefits b. Improve pumping operations of the State Water Project to increase reliability and enhance fish protection *Near term priorities are:* c. Construct permanent operable barriers and increase the maximum SWP export capacity to 8,500 cubic feet per second (South Delta Improvements Program) d. Construct the Delta Mendota Canal/California Aqueduct Intertie e. Complete the Delta Cross Channel and the Through Delta Facility studies f. Complete the studies on South Delta Hydrodynamics, Water Quality, and Fish g. Complete the studies on Delta Smelt and Fish Facilities h. Continue south Delta fish facilities improvements i. Implement north Delta Flood Control and Ecosystem Improvements j. Implement lower San Joaquin River Flood Protections Improvements 5. <u>Storage Element</u>

VI. Priorities Located in Regional Water Board 4	Priorities
	Storage Element objectives are to: a. Provide financial and technical assistance to implement 1/2 million to 1 million acre-feet of new, locally managed groundwater storage b. Pursue specific opportunities for new off-stream storage sites and expansion of existing on-stream storage sites as identified in the Record of Decision *Storage Element priorities include:* c. Groundwater conjunctive management projects that will contribute to an accumulated capacity of 500 Thousand Acre Feet to 1 Million Acre Feet. d. Increase water supply reliability statewide through planned, coordinated local management and use of groundwater and surface water resources. e. Develop a basic understanding of individual groundwater basins and their relationship to watersheds. f. Identify basin management strategies and objectives. g. Plan and conduct groundwater studies. h. Design and construct conjunctive use projects. 6. <u>Water Transfers Element</u> *Water Transfers Element objectives are to:* a. Develop a more effective water transfer market b. Respect water rights, and protect environmental and economic conditions c. Streamline the approval process of state and federal agencies for water transfers *Water Transfers Element priorities are to:* d. Increase the availability of existing facilities for water transfers e. Lower transaction costs through permit streamlining f. Increase the availability of market information to stakeholder and permitting agencies

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VI. Priorities Located in Regional Water Board 4	**Priorities**
	7. <u>Environmental Water Account Element</u> *Environmental Water Account Element objectives are to:* a. Provide protection to the at-risk fish species in the Bay-Delta estuary through environmentally beneficial changes in SWP/CVP operations at no uncompensated water cost to the project's water users b. Better protection for fish and habitats at critical times by providing water in a flexible manner other than solely through strict requirements. c. Increase water supply reliability by allowing projects to meet environmental and water supply needs at the same time. *Environmental Water Account Element priorities are to:* d. Continue to provide protection to the fish of the Bay-Delta through changes in SWP/CVP operations e. Continue short term water purchases, but shift to making multi-year agreements as the core part of the acquisition strategy f. Assess SWP/CVP demand buy-down to manage EWA debt. g. Evaluate the potential for land retirement and drainage mitigation for EWA Assets h. Explore coordination of New Bullards Bar and Oroville Reservoir operations i. Investigate groundwater banking capacity for EWA assets j. Complete the Long Term EWA EIS/EIR k. Provide an average of 374 thousand acre feet (TAF) of water for fish habitat actions (250-490 TAF, depending on year type). l. Acquire fixed assets of 210 TAF in critical, 230 TAF in dry, and 250 TAF in other year types, measured in south-of- Delta equivalents (water used to compensate for Delta pumping curtailments must be returned to the projects south of Delta). That water may be purchased and/or stored upstream of the Delta. In such cases, additional water is usually required to offset conveyance and Delta losses. (The phrase "south of Delta equivalents" indicates the net volume required after accounting for such losses).

VI. Priorities Located in Regional Water Board 4	Priorities
	m. Acquire south-of-Delta water storage capability and/or its functional equivalent to bridge high demand periods for the EWA. Functional equivalents may include additional purchases, agreements with the projects to carry debt, or other comparable arrangements. n. Use multi-year wet/dry year exchanges and wet year uneven exchanges to augment assets and manage EWA assets. **Ecosystem Restoration Program Summary** Objectives and priorities for the next 3-5 years 8. <u>Ecosystem Restoration overall objectives:</u> a. Achieve recovery of at-risk native species dependent on the Delta and Suisun Bay as the first step toward establishing large, self-sustaining populations of these species; support similar recovery of at-risk native species in San Francisco Bay and the watershed above the estuary; and minimize the need for future endangered species listings by reversing downward population trends of native species that are not listed. b. Rehabilitate natural processes in the Bay-Delta estuary and its watershed to fully support, with minimal ongoing human intervention, natural aquatic and associated terrestrial biotic communities and habitats, in ways that favor native members of those communities. c. Maintain and/or enhance populations of selected species for sustainable commercial and recreational harvest, consistent with the other ERP strategic goals. d. Protect and/or restore functional habitat types in the Bay-Delta estuary and its watershed for ecological and public values such as supporting species and biotic communities, ecological processes, recreation, scientific research, and aesthetics. e. Prevent the establishment of additional nonnative invasive species and reduce the negative ecological and economic impacts of established nonnative species in the Bay-Delta estuary and its watershed. f. Improve and/or maintain water and sediment quality conditions that fully support healthy and diverse aquatic ecosystems in the Bay-Delta estuary and watershed; and eliminate, to the extent possible, toxic impacts to aquatic organisms, wildlife, and people.

VI. Priorities Located in Regional Water Board 4	**Priorities**

Near term priorities

g. Recover 19 at-risk native species and contribute to the recovery of 25 additional species (see Table ERP-1, below)
h. Rehabilitate natural processes related to hydrology, stream channels, sediment, floodplains and ecosystem water quality
i. Maintain and enhance fish populations critical to commercial, sport and recreational fisheries
j. Protect and restore functional habitats, including aquatic, upland and riparian, to allow species to thrive
k. Reduce the negative impacts of invasive species and prevent additional introductions that compete with and destroy native species
l. Improve and maintain water and sediment quality to better support ecosystem health and allow species to flourish

Table ERP-1:
At-risk native species of interest to the Ecosystem Restoration Program

Contribute to the recovery of these species:	
San Joaquin Valley woodrat	*Neotoma fuscipes riparia*
Salt marsh harvest mouse	*Reithrodontomys raviventris*
Riparian brush rabbit	*sylvilagus bachmani riparius*
California clapper rail	*Rallus langirostris obsoletus*
Least Bell's vireo	*Vireo bellii pusillus*
Giant garter snake	*Thamnophis gigas*
Delta green ground beetle and critical habitat	*Elaphrus viridis*
Crampton's tuctoria	*Tuctoria mucronata*
Bank swallow	*Riparia riparia*
California black rail	*Laterallus jamaicensis coturniculus*
Greater sandhill crane	*Grus canadensis tabida*

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		Little willow flycatcher	*Empidonax traillii brewsteri*	
		Swainson's hawk	*Buteo swainsoni*	
		Western yellow-billed cuckoo	*Coccyzus americanus occidentalis*	
		Delta coyote-thistle	*Eryngium racemosum*	
		San Pablo California vole	*Microtus californicus sanpabloensis*	
		California yellow warbler	*Dendroica petechia brewsteri*	
		Salt marsh common yellowthroat	*Geothlypis trichas sinuosa*	
		Sacramento perch	*Archoplites interruptus*	
		Alkali milk vetch	*Astragalus tener* var. *tener*	
		Bristly sedge	*Carex comosa*	
		Point Reyes bird's-beak	*Cordylanthus maritimus* ssp. *Palustris*	
		Northern California black walnut native stands	*Juglans californical* var. *hindsii*	
		Delta tule pea	*Lathyrus jepsonii* var. *jepsonii*	
		Delta mudwort	*Limosella subulata*	
		Recover these species:		
		Central Valley steelhead ESU and critical habitat	*Oncorhynchus mykiss* (cv)	
		Central Valley spring-run chinook salmon ESU and critical habitat	*Oncorhynchus tshawytscha* (sr)	
		Delta smelt and critical habitat	*Hypomesus traspacificus*	
		Sacramento splittail	*Pogonichthys macrolepidotus*	
		Sacramento River winter-run chinook salmon ESU and critical habitat	*Oncorhynchus tshawytscha* (wr)	
		Lange's metalmark	*Apodemia mormo langei*	

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VI. Priorities Located in Regional Water Board 4	**Priorities**

Valley elderberry longhorn beetle and critical habitat	*Desmocerus californicus dimorphus*
Suisun thistle	*Cirsium hydrophilum* var. *hydrophilum*
Soft bird's beak	*Cordylanthus mollis* ssp. *mollis*
Contra Costa wallflower and critical habitat	*Erysimum capitatum* ssp. *angustatum*
Antioch Dunes evening-primrose and critical habitat	*Oenothera deltoides* ssp. *howellii*
Mason's lilaeopsis	*Lilaeopsis masonii*
Central Valley fall/late fall-run chinook salmon ESU	*Oncorhynchus tshawytscha* (fr)
Suisun ornate shrew	*Sorex ornatus sinuosus*
San Pablo song sparrow	*Melospiza melodia samuelis*
Suisun song sparrow	*Melospiz melodia maxillaris*
Green sturgeon	*Acipenser medirostris*
Longfin smelt	*Spirinchus thaleichthys*
Suisun Marsh aster	*Aster lentus*

Specific geographic areas of near term focus include:

m. Sacramento River and;
n. Battle Creek
o. Butte Creek
p. Clear Creek
q. Deer Creek
r. Yolo Bypass
s. San Joaquin River and;

VI. Priorities Located in Regional Water Board 4	Priorities
	t. Cosumnes River u. Tuolumne River v. Merced River w. North Delta x. Suisun Marsh and Bay y. San Pablo Bay, including the Napa and Petaluma rivers and local creeks 9. <u>Levee System Integrity Element Summary</u> Short term objectives and priorities for the next 3-5 years <u>Levee System Integrity Element overall objectives:</u> a. Improve levees to a higher standard for greater flood protection b. Improve emergency response capabilities c. Ensure levee maintenance and habitat needs are met d. Improve coordination of permit processes e. Develop adequate and reliable funding for levee maintenance <u>Near term priorities</u> f. Provide Base Level Protection – Base level protection includes actions to understand and reduce the risk of catastrophic levee failure. These actions provide funding to help levee maintaining agencies preserve existing levees, and reconstruct all Delta levees to the PL84-99 Delta specific standard. g. Special Improvement Projects – Special Improvement Project actions are those that will enhance flood protection beyond base level protection for certain islands protecting public benefits such as water quality, life and personal property, agricultural production, cultural resources, recreation, the ecosystem and local and statewide infrastructure. There is no action proposed under this portion of the program until accomplishing base level protection on the critical islands.

VI. Priorities Located in Regional Water Board 4	Priorities
	h. Levee Subsidence Control Plan – These are actions to develop best management practices to minimize the risk to levee integrity from land subsidence. i. Emergency Management and Response - Emergency Management and Response actions are targeted to enhance the existing emergency management response capability of local, State, and Federal agencies to rapidly respond to levee emergencies. *Specific geographic areas of near term focus include:* j. San Joaquin-Sacramento River Delta region 10. <u>CALFED Watershed Program Goals and Objectives</u> a. Broaden participation in watershed partnerships to improve community capacity to manage watersheds and achieve desired conditions. b. Encourage more communities to become involved in watershed management and assist with achieving goals of the Bay-Delta Program. c. Advance the application of science among watershed partnerships through education, and improved tools and information. d. Foster and support strategies to ensure long-term sustainability of watershed activities. e. Maintain and enhance the communication network among the watershed stakeholders to ensure continued information exchange and collaboration. f. Integrate Watershed Program implementation with the other CALFED program elements with emphasis on Water Use Efficiency and Ecosystem Restoration and Drinking Water Quality to ensure that the benefits of local stewardship are more fully realized and each program's effectiveness is enhanced. g. Align activities of agencies, the CALFED Watershed Program and other entities to achieve mutual objectives and to enhance the ability of the implementing and cooperating agencies to manage the Watershed Program.

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 4

Applicants must identify priorities that their project will address using the following format:
Region Number_AgencyID_PriorityNumber and letter (if applicable) Example: R4_DWR_5a

VI. Priorities Located in Regional Water Board 4	Priorities
Department Boating and Waterways (Agency ID: DBW)	1. Development of Decision Support Systems (DSS) utilizing the GIS database under development by the Coastal Sediment Management Workgroup (comprised of the Resources Agency, SCC, CA Coastal Commission, Department of Fish and Game, U.S. Army Corps of Engineers and NOAA) to develop a suite of tools to assist coastal managers, engineers and regulators in making sound regional-based decisions regarding beneficial reuse of sediment in an environmental responsible manner through the development and implementing a the CA Sediment Master Plan (SMP). 2. Project to designate and permit two new nearshore /onshore sites to beneficially reuse acceptable dredge material to renourish sediment impaired (coastal erosion hotspots with a lack of natural sediment) areas. Ventura and Santa Barbara Counties are the two likely targets areas for this project. 3. Detailed monitoring to characterize the affects and impacts of turbidity in nearshore waters derived from a beach restoration project to provide the scientific basis to develop clear and effective water quality and TMDL permit guidelines for future projects. The project location is subject to the availability of a viable and study-worthy restoration project in southern California.
Department of Conservation (Agency ID: DOC)	1. Continue and expand the watershed coordinator grant program statewide with the goal of creating an environment that encourages Watershed Coordinators to collaborate, cooperate and work with diverse stakeholders to build local capacity to implement watershed improvement projects. 2. Assessment of Abandoned Mines in order to map, analyze and remediate abandoned mines with chemical hazards including: a. Water sampling/ monitoring upstream and downstream of abandoned mines. b. Biological sampling for toxicity c. Rock and soil sampling and analysis d. Research historical records e. Plant community studies on and around abandoned mine lands. f. Ground/aerial mapping abandoned mines using GPS. g. Geologic mapping of abandoned mines h. Statistical data analysis

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 4

Applicants must identify priorities that their project will address using the following format:
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VI. Priorities Located in Regional Water Board 4	**Priorities**
	3. Remediation of acid rock drainage or other chemical hazards discharging into impacted waterways (303d listed) from abandoned mines.
California Coastal Commission (Agency ID: CCC)	The Critical Coastal Areas (CCA) Program is designed to identify coastal areas where water quality is threatened or impacted by new or expanding development and to accelerate the implementation of California's Nonpoint Source (NPS) Program Plan so that water quality is protected or restored. Of the 101 coastal areas identified by the CCA program the areas listed below are the highest priority based on existing water quality conditions, value and sensitivity of coastal resources, new or expanding threats to beneficial uses, and degree of local support for watershed-based planning efforts. Priority work in each of these watersheds is to complete watershed-based plans that assess sources of water quality impairment, threats to water quality from new and expanding development, status of NPS management measure implementation (see the California NPS Plan) and estimations of impervious surface area, drainage density and waste loading under current and planned conditions. Plans should identify appropriate actions to protect or restore coastal waters including but not limited to implementation of source control, site design and treatment control BMPs, application of all appropriate NPS management measures and development of land use regulations that protect coastal water quality. **1. Mugu Lagoon/Revelon Slough** **2. Mugu Lagoon to Latigo Point** **3. Malibu Creek** 4. **Ballona Creek**

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 4

Applicants must identify priorities that their project will address using the following format:
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California Department of Forestry (Agency ID: CDF)	**Please note:** Applicants proposing to do projects in State Forest land must partner with CDF and provide State Water Board with a letter from CDF acknowledging the partnership. 1. **Vegetation Management (Fire and Fuels Reductions)** a. Projects that assess fuel conditions in a watershed identify for Fuel Reduction needs, especially, projects or plans that aim to reduce the risk and impact of high severity fires on watershed health (i.e. water quality, water quantity…) and wildlife habitat. b. Projects aimed at reducing fuel loads through Vegetation Management (i.e. controlled burns, vegetation / brush removal…) in high-risk areas. c. Projects that assess vegetation conditions, identify the extent of Invasive exotic plant species, provide and implement a plan for removal. d. Where appropriate plans and projects should be coordinated with existing Fire Safe Councils and community based Fire Plans (http://www.firesafecouncil.org/). e. Projects that offer technical assistance to landowners to undertake hazardous fuels reduction. 2. **Sediment** a. Development and implementation of Road Management Plans to achieve long term reductions in road-related sediment in forested landscapes. b. Projects that implement priorities from existing sediment TMDLs. 3. **Monitoring**[ck4] to evaluate the effectiveness of mitigation measures that are designed to reduce sediment loads or evaluate the impact of management practices on stream temperature. 4. **Canopy Conditions -** Inventory and evaluate the adequacy of riparian buffer zones to provide shade for stream channels. Implement management practices that promote the development and restoration of riparian vegetation that provides stream shade in existing temperature TMDLs. 5. **Large Woody Debris -** Assessment of riparian vegetation and in-stream large woody debris. Develop and implement management plans that will provide for both short and long-term recruitment of LWD to stream channels. a. In the North Coast region projects should be consistent with "High Priorities" that have been identified under the DFG Coho Recovery Plan (www.dfg.ca.gov/nafwb/fishgrant.html). b. Projects that coordinate the implementation of the Forest Practices Act and the Coho Recovery Strategy. 6. **Land Conversion -** Prepare and implement Community Development Plans that promote the preservation of economically sustainable forest and range lands and discourage land conversion to residential or commercial

	development. 7. **Timber Management-** Projects that coordinate timber management permitting between CDF and other agencies to promote high-quality forest management and provide regulatory relief and incentives for non-industrial forest landowners.

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 5

Applicants must identify priorities that their project will address using the following format:
Region Number_AgencyID_PriorityNumber and letter (if applicable) Example: R5_DWR_5a

VII. Priorities Located in Regional Water Board 5	Priorities
State Water Resources Control Board (Agency ID: SWRCB)	**State Water Board** 1. Projects that include the development of a Hydrologic Model that will predict unimpaired flows in streams throughout California. The initial focus should be on the Russian River and its tributaries. The model should be capable of adding impairments (water diversions and use, instream flow requirements etc. for the determination if there is water available for appropriation. 2. Projects that include the development of a geographic information system (GIS) that identifies the location of dams and reservoirs on topographic maps. The layers should include all known water diversions, locations of sensitive fish and wildlife habitat. A layer should provide the location of sensitive fish and wildlife habitat. A layer should provide the location of stream reaches that have water right permit of license minimum instream flow requirements. Layers should also identify the location of fully appropriated streams, and designated wild and scenic rivers.
Regional Water Quality Control Board 5 (Agency ID: RWQCB 5)	**REGIONAL WATER BOARD 5** **REGION-WIDE/CROSS-WATERSHED PRIORITIES** 1. Projects that result in measurable reduction of the discharge of pesticides from agricultural lands in the Central Valley. Particular emphasis will be placed on the control of pesticides known to impair or potentially impair surface waters. Preference will be given to projects that implement: (1) a TMDL under development or adopted by the Regional Board; (2) the Irrigated Lands Waiver program; or (3) the Bay Protection Toxic Hot Spot Cleanup Plan. 2. Projects, such as stream restoration, livestock management, and watershed management that protect, improve or restore the natural functioning condition of stream channels, including addressing healthy aquatic and riparian habitat, erosion, and elevated temperatures. 3. Projects that result in measurable reductions of methylmercury, pesticides, oxygen demanding substances and its precursors, and/or pathogens from urban stormwater discharges. Projects may include outreach and education campaigns. 4. Projects in the western Sierra (source watersheds for California) that assess water quality impacts (bacteria,

VII. Priorities Located in Regional Water Board 5	Priorities
	sediment, and nutrients) from various uses, such as grazing, onsite disposal systems, recreational use, and forest management, and develop and implement Management Practices to address these impacts. 5. Water quality monitoring and assessment projects, including the development and implementation of management practices to address any water quality impairments identified in the monitoring, in compliance with the Central Valley Irrigated Lands Waiver. Projects must address the widespread implementation that is needed to fully comply with the Waiver and water quality objectives. **TARGETED PRIORITIES** (Watersheds are listed from South to North) **TULARE LAKE WATERSHED** 6. Installation, operation, and assessment of the efficacy of tailwater recovery systems or other surface agricultural return flow control or reduction projects that produce measurable reduction of sediment, salt, boron, pesticides, nutrients, algae, and/or oxygen demanding substances in the Tulare Lake Watershed. Surface agricultural return flows are returns from water applied to irrigated land, including, but is not limited to, land planted to row, field, and tree crops as well as commercial nurseries, nursery stock production, and managed wetlands. 7. Monitoring, assessment, and research projects that: a. Increase our understanding of present groundwater conditions and track trends related to salinity including salt storage which is occurring in the Tulare Lake Watershed from salts which are imported from biosolids, ash, green waste, fodder, and grains and exported through food sources (both for human and animal consumption.) b. Increase our understanding of currently listed 303(d) waterbodies within the Tulare Lake Watershed. 8. Projects which support capacity to establish and implement locally directed watershed management programs: i.e. programs which include watershed assessments, development of watershed management plans, establish watershed data management capacity, implementation of watershed management plans, community watershed education, and watershed monitoring within the Tulare Lake Watershed.

VII. Priorities Located in Regional Water Board 5	Priorities
	9. Projects in the Tulare Lake Watershed that improve integrated management of irrigated agriculture including the mapping of all discharge lines into natural waterways. 10. Installation, operation, and assessment of the efficacy of physical control structures and/or implementation and assessment of the efficacy of management practices at confined animal or food processing facilities that produce measurable salt and/or nutrient reduction to groundwater and surface water in the Tulare Lake Watershed. 11. Installation, operation, and assessment of the efficacy of physical control structures and/or implementation and assessment of the efficacy of management practices that reduce groundwater contamination from salt, pesticides, selenium, and/or nutrients the Tulare Lake Watershed. **SAN JOAQUIN RIVER WATERSHED** 12. Installation, operation, and assessment of the efficacy of physical control structures and/or implementation and assessment of the efficacy of management practices at confined animal or food processing facilities that produce measurable salt and/or nutrient reduction to groundwater and surface water in the San Joaquin River Watershed. 13. Installation, operation, and assessment of the efficacy of physical control structures and/or implementation and assessment of the efficacy of management practices that reduce groundwater contamination from salt, pesticides, selenium, and/or nutrients in the San Joaquin River watershed. 14. Installation, operation, and assessment of the efficacy of tailwater recovery systems or other surface agricultural return flow control or reduction projects that produce measurable reduction of sediment, salt, boron, pesticides, nutrients, algae, and/or oxygen demanding substances in the San Joaquin River. Surface agricultural return flows are returns from water applied to irrigated land, including, but is not limited to, land planted to row, field and tree crops as well as commercial nurseries, nursery stock production, managed wetlands, and rice production. 15. Installation, operation, and assessment of the efficacy of selenium removal or other infrastructure that results in measurable reduction of selenium in the San Joaquin River. 16. Installation, operation, and assessment of the efficacy of infrastructure and/or use and assessment of the

VII. Priorities Located in Regional Water Board 5	Priorities
	efficacy of management practices that results in the measurable reduction of stormwater runoff of sediment and pesticides in the San Joaquin River. 17. Installation, operation, and assessment of the efficacy of infrastructure and/or use and assessment of the efficacy of management practices that results in the measurable reduction of pathogens, including bacteria, in the San Joaquin River. 18. Installation, operation, and assessment of the efficacy of physical or organizational infrastructure that results in measurable real-time management (changes in timing of discharge such that salinity water quality objectives are attained) of flow and salt discharges in the San Joaquin River. 19. Monitoring, assessment, and research projects that: a. Increase our understanding of the surface and groundwater interactions in the San Joaquin River Basin; b. Assess the changes in San Joaquin River water quality attributable to existing agricultural return flow wetland treatment systems (e.g. flow-through wetland / settling basins); c. Increase our understanding of the linkage between existing or proposed management practices that affect algae growth and loading in the San Joaquin River to primary biological production in the Delta and dissolved oxygen in the Deep Water Ship Channel; or d. Increase our understanding of the causes of unknown toxicity in the San Joaquin River Basin. 20. Projects which support capacity to establish and implement locally directed watershed management programs: i.e. programs which include watershed assessments, development of watershed management plans, establish watershed data management capacity, implementation of watershed management plans, community watershed education, and watershed monitoring within the San Joaquin River Watershed. **SACRAMENTO RIVER WATERSHED INCLUDING THE DELTA** 21. Projects that reduce mercury and/or methylmercury loading in the Sacramento River watershed and the Delta. Total mercury control projects should address the movement of sediment from areas with elevated levels of mercury or remove total mercury from aquatic systems. Methylmercury control projects should develop and implement measures that control the generation of methymercury, particularly in the design and management of wetlands.

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 5

Applicants must identify priorities that their project will address using the following format:
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VII. Priorities Located in Regional Water Board 5	Priorities
	22. Projects in the Sacramento River watershed, including the Delta, which increase the amount of wetlands that are designed and managed to maximize beneficial uses while minimizing detrimental effects. At a minimum, methylmercury generation must be addressed as a detrimental effect. 23. Projects in the Delta that assess water quality impacts (including drinking water impacts) from dredging activities, marina operations, recreational boating, and/or other recreational uses, and develop and/or implement measures to protect these waters. 24. Projects in the Delta that assess the effects of contaminants on aquatic species and develops and implements management projects, including demonstration projects. 25. Projects that assess and address groundwater impacts due to nitrates from confined animal or onsite disposal systems within the Sacramento River watershed. 26. Projects that create, sustain, and/or increase local capacity to plan and implement the targeted projects including projects that provide technical and financial capacity, such as re-granting programs, to newer or smaller stakeholders so that they will eventually be able to plan and implement targeted projects. 27. Assessment and remediation projects in the Sacramento River watershed that address the impacts of historic mining operations that cause or contribute to water quality or beneficial use impairments. Projects must address liability and completely absolve the State.

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VII. Priorities Located in Regional Water Board 5	Priorities
Department of Health Services (Agency ID: DHS)	1. Priorities are identified in Appendix A of the Department of Health Services (DHS) Proposition 50 Water Security, clean Drinking Water, Coastal and Beach Protection Act of 2002 (Section79500 et seq.) which is available at the following website: http://www.dhs.ca.gov/ps/ddwem/Prop50/pdfs/CriteriaforChapters3and4-FINAL.pdf. Projects that fit categories A-G are identified as priorities.
Resources Agency (Agency ID: Resources Agency)	1. Projects that will develop, identify, and use appropriate new indicators or identify and use existing indicators for assessments and monitoring of watershed health.
Department of Fish and Game (Agency ID: DFG)	Not Applicable
Department of Parks and Recreation (Agency ID: DPR)	The Department of Parks and Recreation (DPR) Watersheds listed below are representative of each ecoregion's special physical and biological characteristics. DPR's priorities include watershed assessment, management, planning, implementation, and improvement in watersheds that exhibit high quality characteristics where DPR has ownership and management responsibility. There are many additional DPR watersheds that exhibit high quality characteristics and are also worthy of support. **Please note:** All applicants proposing to do projects on State Park System lands must partner with DPR and provide State Water Resources Control Board with a letter (or official communication) from DPR acknowledging the partnership and endorsing the proposed project. Contact Syd Brown, Natural Resources Division, California Department of Parks and Recreation at sbrow@parks.ca.gov or 916-653-9930 for specifics. **DPR Representative Watersheds** 1. **Burney Creek watershed**, McArthur Burney Falls Memorial State Park (SP), flows into Pit River, connects with Lassen National Forest. 2. **Tule River watershed, Ahjumawi Lava Springs SP**, connects with Lassen National Forest. 3. **Jamison, Eureka and Bear Creeks watersheds** (Eureka and Bear Creeks are tributary to lower Jamison Creek, which flows into Middle Fork, Feather River), Plumas-Eureka SP, connect with Plumas National Forest. (Plumas County) 4. **Lower South Yuba River watersheds** (Kentucky Ravine, Rush Creek, Spring Creek, Little Shady Creek,

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 5

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VII. Priorities Located in Regional Water Board 5	Priorities
	Meyers Ravine and Humbug Creek all tributaries to South Yuba River. Park units= Malakoff Diggins State Historic Park (SHP) and South Yuba River SP, connects with Tahoe National Forest and Bureau of Land Management (BLM) South Yuba Recreational Lands. (designated State Wild and Scenic River, federal Wild and Scenic eligible) Nevada County. 5. **Upper San Joaquin River watershed, Millerton Lake State Recreation Area (SRA)**, connects with Bureau of Reclamation, Bureau of Land Management, and Sierra National Forest lands. 6. **Orestimba Creek watershed and upper tributaries**, Henry W. Coe State Park (SP) (east). Drains to San Joaquin Valley and San Joaquin River downstream of Great Valley Grasslands SP. 7. **Salt Slough watershed, flows to San Joaquin River**, Great Valley Grasslands SP. Connects with San Luis National Wildlife Refuge (NWR), Department of Fish and Game (DFG) North Grasslands Wildlife Area (WA), and Los Banos WA. 8. **Big Trees Creek, Beaver Creek, watersheds** tributaries to North Fork, Stanislaus River, Calaveras Big Trees SP, connects with Stanislaus National Forest. 9. **Castle Creek watershed**, Castle Crags SP, (connects with Shasta Trinity National Forest lands).

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VII. Priorities Located in Regional Water Board 5	**Priorities**
State Coastal Conservancy (Agency ID: SCC)	Not Applicable
Ocean Protection Council (Agency ID: OPC)	Not Applicable
Department of Water Resources (Agency ID: DWR)	**GENERAL PRIORITIES** 1. Improved coordination of land use planning and water management through applying watershed management strategies within Integrated Regional Water Management planning and implementation efforts. 2. Improve water supply reliability through conjunctive use programs and integration of flood management with water supply management. 3. Improved ecological function of floodplains and stream corridors. 4. Assist newly formed (within last 5 years) Resource Conservation Districts (RCDs) with capacity building for restoration, stewardship, and water management, e.g. NRCD **WATERSHED SPECIFIC PRIORITIES** 5. Projects that include operations and maintenance for multiple years for the following stream gauging stations: a. 11345500 South Fork Pit River near Likely b. 11376550 Battle Creek below Coleman Fish Hatchery, near Cottonwood c. 11189500 South Fork Kern River near Onyx d. 11274630 Del Puerto Creek near Patterson 6. Plan and implement salmonid fish passage improvements including improved riparian habitat in the following rivers/streams: a. Calaveras River mainstem below New Hogan Dam to the Delta. b. Yuba River, spawning and rearing habitat below Englebright Dam, passage improvement at Daguerre Point Dam, screens for diversions. c. Lower Butte Creek passage improvements and screens for diversions. d. Stanislaus River gravel mining pit restoration and isolation from floodplain.

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PRIORITIES LOCATED IN REGIONAL WATER BOARD 5

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VII. Priorities Located in Regional Water Board 5	Priorities
	7. Implement restoration actions identified by the San Joaquin River Restoration Program on the San Joaquin River. 8. Provide water supply and quality planning and assessment assistance to foothill communities in the lower San Joaquin Valley. 9. Improve stewardship group planning capacity in the Sacramento R and San Joaquin R lower watersheds (valley floor). 10. Support or establish regional technical assistance and stewardship group coordination in the Sacramento Valley, San Joaquin Valley, Tulare basin, and Southern California from Santa Monica Bay to the Mexican border. 11. Support stewardship coordination in the lower Tuolumne R watershed, 12. Implement restoration actions in the Feather River watershed

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VII. Priorities Located in Regional Water Board 5	Priorities
California Bay Delta Authority (Agency ID: CALFED)	**<u>CALFED Bay Delta Program Elements</u>** A focused and clearly made connection in your project between the Watershed Program priorities and one or more other Program Elements is likely to be more persuasive than a more general sweeping attempt to connect all the Elements in one project. **Water Management Program Summary** Objectives and priorities for the next 3-5 years 1. <u>Water Management overall objectives:</u> a. Maximize the use of existing available water supplies through conservation, water recycling, transfers and water quality improvements. b. Increase the flexibility of water systems at the state, federal and local level through improvements in conveyance, storage and water project operations. c. Develop groundwater and surface water storage projects to boost flexibility and provide additional supplies for agriculture, urban and environmental use. 2. <u>Water Use Efficiency Element</u> *Water Use Efficiency Element objectives are to:* a. Reduce water demand through conservation of presently used supplies. b. Improve water quality by altering volume, concentration, timing and location of irrigation and wastewater return flows. c. Improve ecosystem health by increasing in-stream flows where necessary to achieve targeted benefits. *Water Use Efficiency Element priorities are to:* d. Credibly estimate past and expected performance (costs and benefits) of water conservation and recycling activities in California. e. Develop volumetric (e.g. acre-feet of water conserved) targets for agricultural and urban conservation and recycling, divided into contributions toward water supply ("real water conservation"), in-stream

VII. Priorities Located in Regional Water Board 5	Priorities
	flows, and improved water quality. f. Make progress to achieve the Agriculture Water Use Efficiency quantifiable objectives for the 21 designated regions. *Specific geographic areas of near term focus include:* g. Twenty-one regions designated in Appendix A of the Program Plan available at the following website: (http://calwater.ca.gov/Archives/WaterUseEfficiency/WaterUseEfficiencyQuantifiableObjectives.shtml) 3. Drinking Water Quality Element *Drinking Water priorities for watershed projects are to:* a. Advance understanding of how watersheds connect to both local and statewide drinking water supplies. Projects that advance efforts to develop and implement regional drinking water quality management plans are particularly important. Watershed groups are encouraged to work with both local water utilities and with the CALFED program to develop plans that identify the status of existing water quality and the water quality goals within the region, identify connections to other regions, and develop strategies for water quality improvement or maintenance. These plans can be incorporated into integrated regional water management plans or built upon existing resource management plans. b. Support efforts to understand how source improvement actions interact with water management actions, and improved treatment to improve drinking water quality at the tap. c. Educate stakeholders and the public on the connections between watersheds and drinking water supplies. d. Reduce stormwater runoff through projects that protect or restore natural hydrology. e. Reduce pollutant loadings from sources that may contribute drinking water pollutants of concern including animal grazing, animal feeding operations, irrigated agriculture, managed wetlands, and urban areas. (Reduce loadings of pollutants that have the greatest impact on drinking water supplies. (Pollutants identified as being of most drinking water quality concern in the Delta are organic carbon, bromide, salinity, nutrients, turbidity, taste and odor producing compounds, and pathogens. Other

VII. Priorities Located in Regional Water Board 5	Priorities
	pollutants such as arsenic, perchlorate, and herbicides are of local or regional concern.) *Specific geographic areas of near term focus include:* f. Delta islands g. Delta tributaries below the major dams h. San Joaquin Valley i. Sacramento Valley j. Watersheds that directly affect State or federal water project canals or reservoirs Proximity to drinking water intakes or groundwater recharge areas for drinking water wells is an important consideration. 4. <u>Conveyance Element</u> *Conveyance Element objectives are to:* a. Modify the existing conveyance system for water supply, water quality, flood protection and ecosystem benefits. b. Improve pumping operations of the State Water Project to increase reliability and enhance fish protection. *Near term priorities are:* c. Construct permanent operable barriers and increase the maximum SWP export capacity to 8,500 cubic feet per second (South Delta Improvements Program). d. Construct the Delta Mendota Canal/California Aqueduct Intertie. e. Complete the Delta Cross Channel and the Through Delta Facility studies. f. Complete the studies on South Delta Hydrodynamics, Water Quality, and Fish. g. Complete the studies on Delta Smelt and Fish Facilities. h. Continue south Delta fish facilities improvements.

VII. Priorities Located in Regional Water Board 5	Priorities
	i. Implement north Delta Flood Control and Ecosystem Improvements. j. Implement lower San Joaquin River Flood Protections Improvements. 5. <u>Storage Element</u> *Storage Element objectives are to:* a. Provide financial and technical assistance to implement 1/2 million to 1 million acre-feet of new, locally managed groundwater storage b. Pursue specific opportunities for new off-stream storage sites and expansion of existing on-stream storage sites as identified in the Record of Decision *Storage Element priorities include:* c. Groundwater conjunctive management projects that will contribute to an accumulated capacity of 500 Thousand Acre Feet to 1 Million Acre Feet. d. Increase water supply reliability statewide through planned, coordinated local management and use of groundwater and surface water resources. e. Develop a basic understanding of individual groundwater basins and their relationship to watersheds. f. Identify basin management strategies and objectives. g. Plan and conduct groundwater studies. h. Design and construct conjunctive use projects. 6. <u>Water Transfers Element</u> *Water Transfers Element objectives are to:* a. Develop a more effective water transfer market b. Respect water rights, and protect environmental and economic conditions c. Streamline the approval process of state and federal agencies for water transfers

VII. Priorities Located in Regional Water Board 5	Priorities
	Water Transfers Element priorities are to: d. Increase the availability of existing facilities for water transfers e. Lower transaction costs through permit streamlining f. Increase the availability of market information to stakeholder and permitting agencies 7. <u>Environmental Water Account Element</u> *Environmental Water Account Element objectives are to:* a. Provide protection to the at-risk fish species in the Bay-Delta estuary through environmentally beneficial changes in SWP/CVP operations at no uncompensated water cost to the project's water users b. Better protection for fish and habitats at critical times by providing water in a flexible manner other than solely through strict requirements. c. Increase water supply reliability by allowing projects to meet environmental and water supply needs at the same time. *Environmental Water Account Element priorities are to:* d. Continue to provide protection to the fish of the Bay-Delta through changes in SWP/CVP operations e. Continue short term water purchases, but shift to making multi-year agreements as the core part of the acquisition strategy f. Assess SWP/CVP demand buy-down to manage EWA debt. g. Evaluate the potential for land retirement and drainage mitigation for EWA Assets h. Explore coordination of New Bullards Bar and Oroville Reservoir operations i. Investigate groundwater banking capacity for EWA assets j. Complete the Long Term EWA EIS/EIR k. Provide an average of 374 thousand acre feet (TAF) of water for fish habitat actions (250-490 TAF, depending on year type). l. Acquire fixed assets of 210 TAF in critical, 230 TAF in dry, and 250 TAF in other year types, measured in south-of- Delta equivalents (water used to compensate for Delta pumping curtailments

VII. Priorities Located in Regional Water Board 5	Priorities
	must be returned to the projects south of Delta). That water may be purchased and/or stored upstream of the Delta. In such cases, additional water is usually required to offset conveyance and Delta losses. (The phrase "south of Delta equivalents" indicates the net volume required after accounting for such losses). m. Acquire south-of-Delta water storage capability and/or its functional equivalent to bridge high demand periods for the EWA. Functional equivalents may include additional purchases, agreements with the projects to carry debt, or other comparable arrangements. n. Use multi-year wet/dry year exchanges and wet year uneven exchanges to augment assets and manage EWA assets. **Ecosystem Restoration Program Summary** Objectives and priorities for the next 3-5 years 8. <u>Ecosystem Restoration overall objectives:</u> a. Achieve recovery of at-risk native species dependent on the Delta and Suisun Bay as the first step toward establishing large, self-sustaining populations of these species; support similar recovery of at-risk native species in San Francisco Bay and the watershed above the estuary; and minimize the need for future endangered species listings by reversing downward population trends of native species that are not listed. b. Rehabilitate natural processes in the Bay-Delta estuary and its watershed to fully support, with minimal ongoing human intervention, natural aquatic and associated terrestrial biotic communities and habitats, in ways that favor native members of those communities. c. Maintain and/or enhance populations of selected species for sustainable commercial and recreational harvest, consistent with the other ERP strategic goals. d. Protect and/or restore functional habitat types in the Bay-Delta estuary and its watershed for ecological and public values such as supporting species and biotic communities, ecological processes, recreation, scientific research, and aesthetics.

VII. Priorities Located in Regional Water Board 5	Priorities

e. Prevent the establishment of additional nonnative invasive species and reduce the negative ecological and economic impacts of established nonnative species in the Bay-Delta estuary and its watershed.

f. Improve and/or maintain water and sediment quality conditions that fully support healthy and diverse aquatic ecosystems in the Bay-Delta estuary and watershed; and eliminate, to the extent possible, toxic impacts to aquatic organisms, wildlife, and people.

Near term priorities

g. Recover 19 at-risk native species and contribute to the recovery of 25 additional species (see Table ERP-1, below)

h. Rehabilitate natural processes related to hydrology, stream channels, sediment, floodplains and ecosystem water quality

i. Maintain and enhance fish populations critical to commercial, sport and recreational fisheries

j. Protect and restore functional habitats, including aquatic, upland and riparian, to allow species to thrive

k. Reduce the negative impacts of invasive species and prevent additional introductions that compete with and destroy native species

l. Improve and maintain water and sediment quality to better support ecosystem health and allow species to flourish

Table ERP-1:
At-risk native species of interest to the Ecosystem Restoration Program

Contribute to the recovery of these species:	
San Joaquin Valley woodrat	*Neotoma fuscipes riparia*
Salt marsh harvest mouse	*Reithrodontomys raviventris*
Riparian brush rabbit	*sylvilagus bachmani riparius*
California clapper rail	*Rallus langirostris obsoletus*
Least Bell's vireo	*Vireo bellii pusillus*
Giant garter snake	*Thamnophis gigas*
Delta green ground beetle and critical habitat	*Elaphrus viridis*

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 5

Applicants must identify priorities that their project will address using the following format:
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VII. Priorities Located in Regional Water Board 5	**Priorities**		
		Crampton's tuctoria	*Tuctoria mucronata*
		Bank swallow	*Riparia riparia*
		California black rail	*Laterallus jamaicensis coturniculus*
		Greater sandhill crane	*Grus canadensis tabida*
		Little willow flycatcher	*Empidonax traillii brewsteri*
		Swainson's hawk	*Buteo swainsoni*
		Western yellow-billed cuckoo	*Coccyzus americanus occidentalis*
		Delta coyote-thistle	*Eryngium racemosum*
		San Pablo California vole	*Microtus californicus sanpabloensis*
		California yellow warbler	*Dendroica petechia brewsteri*
		Salt marsh common yellowthroat	*Geothlypis trichas sinuosa*
		Sacramento perch	*Archoplites interruptus*
		Alkali milk vetch	*Astragalus tener* var. *tener*
		Bristly sedge	*Carex comosa*
		Point Reyes bird's-beak	*Cordylanthus maritimus* ssp. *Palustris*
		Northern California black walnut native stands	*Juglans californical* var. *hindsii*
		Delta tule pea	*Lathyrus jepsonii* var. *jepsonii*
		Delta mudwort	*Limosella subulata*
		Recover these species:	
		Central Valley steelhead ESU and critical habitat	*Oncorhynchus mykiss* (cv)
		Central Valley spring-run chinook salmon ESU and critical habitat	*Oncorhynchus tshawytscha* (sr)
		Delta smelt and critical habitat	*Hypomesus traspacificus*
		Sacramento splittail	*Pogonichthys macrolepidotus*

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VII. Priorities Located in Regional Water Board 5	**Priorities**

Sacramento River winter-run chinook salmon ESU and critical habitat	*Oncorhynchus tshawytscha* (wr)
Lange's metalmark	*Apodemia mormo langei*
Valley elderberry longhorn beetle and critical habitat	*Desmocerus californicus dimorphus*
Suisun thistle	*Cirsium hydrophilum* var. *hydrophilum*
Soft bird's beak	*Cordylanthus mollis* ssp. *mollis*
Contra Costa wallflower and critical habitat	*Erysimum capitatum* ssp. *angustatum*
Antioch Dunes evening-primrose and critical habitat	*Oenothera deltoides* ssp. *howellii*
Mason's lilaeopsis	*Lilaeopsis masonii*
Central Valley fall/late fall-run chinook salmon ESU	*Oncorhynchus tshawytscha* (fr)
Suisun ornate shrew	*Sorex ornatus sinuosus*
San Pablo song sparrow	*Melospiza melodia samuelis*
Suisun song sparrow	*Melospiz melodia maxillaris*
Green sturgeon	*Acipenser medirostris*
Longfin smelt	*Spirinchus thaleichthys*
Suisun Marsh aster	*Aster lentus*

Specific geographic areas of near term focus include:

m. Sacramento River and;
n. Battle Creek
o. Butte Creek
p. Clear Creek
q. Deer Creek
r. Yolo Bypass

VII. Priorities Located in Regional Water Board 5	Priorities
	s. San Joaquin River and; t. Cosumnes River u. Tuolumne River v. Merced River w. North Delta x. Suisun Marsh and Bay y. San Pablo Bay, including the Napa and Petaluma rivers and local creeks 9. <u>Levee System Integrity Element Summary</u> Short term objectives and priorities for the next 3-5 years *Levee System Integrity Element overall objectives:* a. Improve levees to a higher standard for greater flood protection. b. Improve emergency response capabilities. c. Ensure levee maintenance and habitat needs are met. d. Improve coordination of permit processes. e. Develop adequate and reliable funding for levee maintenance. *Near term priorities* f. Provide Base Level Protection – Base level protection includes actions to understand and reduce the risk of catastrophic levee failure. These actions provide funding to help levee maintaining agencies preserve existing levees, and reconstruct all Delta levees to the PL84-99 Delta specific standard. g. Special Improvement Projects – Special Improvement Project actions are those that will enhance flood protection beyond base level protection for certain islands protecting public benefits such as water quality, life and personal property, agricultural production, cultural resources, recreation, the ecosystem and local and statewide infrastructure. There is no action proposed under this portion of the program until accomplishing base level protection on the critical islands.

VII. Priorities Located in Regional Water Board 5	Priorities
	h. Levee Subsidence Control Plan – These are actions to develop best management practices to minimize the risk to levee integrity from land subsidence. i. Emergency Management and Response - Emergency Management and Response actions are targeted to enhance the existing emergency management response capability of local, State, and Federal agencies to rapidly respond to levee emergencies. *Specific geographic areas of near term focus include:* j. San Joaquin-Sacramento River Delta region 10. <u>CALFED Watershed Program Goals and Objectives</u> a. Broaden participation in watershed partnerships to improve community capacity to manage watersheds and achieve desired conditions. b. Encourage more communities to become involved in watershed management and assist with achieving goals of the Bay-Delta Program. c. Advance the application of science among watershed partnerships through education, and improved tools and information. d. Foster and support strategies to ensure long-term sustainability of watershed activities. e. Maintain and enhance the communication network among the watershed stakeholders to ensure continued information exchange and collaboration. f. Integrate Watershed Program implementation with the other CALFED program elements with emphasis on Water Use Efficiency and Ecosystem Restoration and Drinking Water Quality to ensure that the benefits of local stewardship are more fully realized and each program's effectiveness is enhanced. g. Align activities of agencies, the CALFED Watershed Program and other entities to achieve mutual objectives and to enhance the ability of the implementing and cooperating agencies to manage the Watershed Program.

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
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VII. Priorities Located in Regional Water Board 5	Priorities
Department Boating and Waterways (Agency ID: DBW)	1. Development of Decision Support Systems (DSS) utilizing the GIS database under development by the Coastal Sediment Management Workgroup (comprised of the Resources Agency, State Coastal Conservancy (SCC), CA Coastal Commission, Department of Fish and Game, U.S. Army Corps of Engineers and NOAA) to develop a suite of tools to assist coastal managers, engineers and regulators in making sound regional-based decisions regarding beneficial reuse of sediment in an environmental responsible manner through the development and implementing a the CA Sediment Master Plan (SMP). 2. Project to designate and permit two new nearshore /onshore sites to beneficially reuse acceptable dredge material to renourish sediment impaired (coastal erosion hotspots with a lack of natural sediment) areas. Ventura and Santa Barbara Counties are the two likely targets areas for this project. 3. Detailed monitoring to characterize the affects and impacts of turbidity in nearshore waters derived from a beach restoration project to provide the scientific basis to develop clear and effective water quality and TMDL permit guidelines for future projects. The project location is subject to the availability of a viable and study-worthy restoration project in southern California.
Department of Conservation (Agency ID: DOC)	1. Continue and expand the watershed coordinator grant program statewide with the goal of creating an environment that encourages Watershed Coordinators to collaborate, cooperate and work with diverse stakeholders to build local capacity to implement watershed improvement projects. 2. Assessment of Abandoned Mines in order to map, analyze and remediate abandoned mines with chemical hazards including: a. Water sampling/ monitoring upstream and downstream of abandoned mines. b. Biological sampling for toxicity. c. Rock and soil sampling and analysis. d. Research historical records. e. Plant community studies on and around abandoned mine lands. f. Ground/aerial mapping abandoned mines using GPS. g. Geologic mapping of abandoned mines. h. Statistical data analysis.

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VII. Priorities Located in Regional Water Board 5	Priorities
	3. Remediation of acid rock drainage or other chemical hazards discharging into impacted waterways (303d listed) from abandoned mines. Highest Priority Watersheds: a. North Yuba b. Middle Yuba c. Copperopolis d. Upper Bear e. North Fork American f. South Yuba g. South Fork American h. Middle Fork American i. Buckhorn Peak j. Cosumnes k. East Branch North Fork Feather l. Big Oak Flat m. Nevada City n. Clear Creek o. Mariposa p. Middle Trinity River q. North Fork Merced r. South Fork Calaveras

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VII. Priorities Located in Regional Water Board 5	Priorities
California Coastal Commission (Agency ID: CCC)	Not Applicable
California Department of Forestry (Agency ID: CDF)	**Please note:** Applicants proposing to do projects on State Forest land must partner with CDF and provide State Water Board with a letter from CDF acknowledging the partnership. 1. **Vegetation Management (Fire and Fuels Reductions)** a. Projects that assess fuel conditions in a watershed identify for Fuel Reduction needs, especially, projects or plans that aim to reduce the risk and impact of high severity fires on watershed health (i.e. water quality, water quantity…) and wildlife habitat. b. Projects aimed at reducing fuel loads through Vegetation Management (i.e. controlled burns, vegetation / brush removal…) in high-risk areas. c. Projects that assess vegetation conditions, identify the extent of Invasive exotic plant species, provide and implement a plan for removal. d. Where appropriate plans and projects should be coordinated with existing Fire Safe Councils and community based Fire Plans (http://www.firesafecouncil.org/). e. Projects that offer technical assistance to landowners to undertake hazardous fuels reduction. 2. **Sediment** a. Development and implementation of Road Management Plans to achieve long term reductions in road-related sediment in forested landscapes. b. Projects that implement priorities from existing sediment TMDLs. 3. **Monitoring**[ck5] to evaluate the effectiveness of mitigation measures that are designed to reduce sediment loads or evaluate the impact of management practices on stream temperature. 4. **Canopy Conditions -** Inventory and evaluate the adequacy of riparian buffer zones to provide shade for stream channels. Implement management practices that promote the development and restoration of riparian vegetation that provides stream shade in existing temperature TMDLs. 5. **Large Woody Debris -** Assessment of riparian vegetation and in-stream large woody debris. Develop and implement management plans that will provide for both short and long-term recruitment of LWD to stream channels.

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VII. Priorities Located in Regional Water Board 5	Priorities
	a. In the North Coast region projects should be consistent with "High Priorities" that have been identified under the DFG Coho Recovery Plan (www.dfg.ca.gov/nafwb/fishgrant.html). b. Projects that coordinate the implementation of the Forest Practices Act and the Coho Recovery Strategy. 6. **Land Conversion** - Prepare and implement Community Development Plans that promote the preservation of economically sustainable forest and range lands and discourage land conversion to residential or commercial development. 7. **Timber Management**- Projects that coordinate timber management permitting between CDF and other agencies to promote high-quality forest management and provide regulatory relief and incentives for non-industrial forest landowners.

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 6

Applicants must identify priorities that their project will address using the following format:
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VIII. Priorities Located in Regional Water Board 6	**Priorities**
State Water Resources Control Board (Agency ID: SWRCB)	**State Water Board** **1.** Projects that include the development of a Hydrologic Model that will predict unimpaired flows in streams throughout California. The initial focus should be on the Russian River and its tributaries. The model should be capable of adding impairments (water diversions and use, instream flow requirements etc. for the determination if there is water available for appropriation. **2.** Projects that include the development of a geographic information system (GIS) that identifies the location of dams and reservoirs on topographic maps. The layers should include all known water diversions, locations of sensitive fish and wildlife habitat. A layer should provide the location of sensitive fish and wildlife habitat. A layer should provide the location of stream reaches that have water right permit of license minimum instream flow requirements. Layers should also identify the location of fully appropriated streams, and designated wild and scenic rivers.
Regional Water Quality Control Board 6 (Agency ID: RWQCB 6)	**Regional Water Board 6** **Region-wide Priorities** 1. **Develop and adopt TMDLs, and implement TMDLs and/or projects that result in reduced loads of pollutants/stressors into waters on the CWA 303(d) list.** Pollutants of concern vary with TMDL/303(d) listings and include sediment, nutrients, metals and others. Desired measurable water quality results vary with TMDL/303(d) listed water. 2. **Reduce/control erosion and sediment to surface waters.** Pollutant of concern is sediment. Desired measurable water quality result is sediment reduction. 3. **Restore and protect wetlands, riparian and other sensitive aquatic habitats**. Concerns are hydromodification, invasive/exotic species and other negative impacts to these habitats. Desired results are improvements to function of these habitats as measured by sound science. 4. **Improve stakeholder outreach and education (including Grades K-12), and public participation in water quality decisions.** Activity of concern is degradation of surface and groundwater quality standards. Desired result is to foster environmental stewardship within the community, thus contributing to the long-term attainment and maintenance of water quality standards.

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VIII. Priorities Located in Regional Water Board 6	Priorities
	5. **Develop or improve water management plans, based on sound science, to address water quality/quantity and related issues on watershed, cross-watershed or regional basis.** Activity of concern is degradation of surface and groundwater quality standards. Desired result is to integrate surface and groundwater quality improvement activities while promoting collaborative and cooperative efforts within a watershed, cross-watershed or regional context. **<u>Targeted Priorities</u>** 6. Implement grazing management measures to result in a measurable reduction of sediment, nutrients, and/or pathogens in the impaired and other waters of the Walker River watershed. 7. Implement grazing management measures to result in a measurable reduction of sediment, nutrients, and/or pathogens in the impaired and other waters of the Owens River-Mono watershed. 8. Implement grazing management measures to result in a measurable reduction of sediment, nutrients, and/or pathogens in the impaired and other waters of the Susan River-Eagle Lake watershed. 9. Implement measures to prevent/reduce groundwater overdraft and related impacts to groundwater quality standards in the Owens River-Mono watershed, resulting in measurable increases in groundwater quantity and/or improvements to groundwater quality. 10. Implement water recycling projects to prevent a reduction in water quantity and related impacts to water quality standards in the Owens River-Mono watershed, resulting in measurable increases in water quantity and/or improvements to water quality standards. 11. Implement measures to prevent/reduce groundwater overdraft and related impacts to groundwater quality standards in the Mojave watershed, resulting in measurable increases in groundwater quantity and/or improvements to groundwater quality. 12. Implement measures to prevent and/or reduce salt, TDS, and/or nutrient loading to groundwater of the Mojave watershed, resulting in a measurable decrease in salt, TDS and/or nutrients. 13. Implement water recycling projects to prevent a reduction in water quantity and related impacts to water quality standards in the Mojave water, resulting in measurable increases in water quantity and/or improvements to water quality standards.

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VIII. Priorities Located in Regional Water Board 6	Priorities
	14. Implement measures to prevent/reduce groundwater overdraft and related impacts to groundwater quality standards in the Antelope watershed, resulting in measurable increases in groundwater quantity and/or improvements to groundwater quality. 15. Implement measures to prevent and/or reduce salt, TDS, and/or nutrient loading to groundwater of the Antelope watershed, resulting in a measurable decrease in salt, TDS and/or nutrients. 16. Implement water recycling projects to prevent a reduction in water quantity and related impacts to water quality standards in the Antelope watershed, resulting in measurable increases in water quantity and/or improvements to water quality standards. 17. Implement measures to prevent/reduce groundwater overdraft and related impacts to water quality standards in the Truckee River watershed, resulting in measurable increases in groundwater quantity and/or improvements to water quality standards. 18. Develop an integrated regional water management plan for the Mono Lake/Owens River watershed. 19. Implement measures to reduce or abate nonpoint source pollution (including erosion, sediment, AMD) from historic and inactive mines in the Carson River watershed, resulting in measurable improvements to water quality standards. 20. Implement environmentally sound measures to reduce risk of impacts to water quality standards from wildfires (e.g. fuel reduction projects) in the Lake Tahoe watershed, resulting in measurable reductions to the risk of wildfire. 21. Implement environmentally sound measures to reduce risk of impacts to water quality standards from wildfires (e.g. fuel reduction projects) in the Truckee River watershed, resulting in measurable reductions to the risk of wildfire. 22. Implement environmentally sound measures to reduce risk of impacts to water quality standards from wildfires (e.g. fuel reduction projects) in the Owens River-Mono watershed, resulting in measurable reductions to the risk of wildfire. 23. Implement environmentally sound measures to reduce risk of impacts to water quality standards from wildfires (e.g. fuel reduction projects) in the Walker River watershed, resulting in measurable reductions to the risk of wildfire. 24. Implement environmentally sound measures to reduce risk of impacts to water quality standards from wildfires (e.g. fuel reduction projects) in the Carson River watershed, resulting in measurable reductions to the risk of wildfire. 25. Implement environmentally sound measures to reduce risk of impacts to water quality standards from wildfires (e.g.

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VIII. Priorities Located in Regional Water Board 6	Priorities
	fuel reduction projects) in the Mojave watershed, resulting in measurable reductions to the risk of wildfire 26. Implement environmentally sound measures to reduce risk of impacts to water quality standards from wildfires (e.g. fuel reduction projects) in the Antelope watershed, resulting in measurable reductions to the risk of wildfire. 27. Implement measures (e.g. BMPs, education/outreach, LID) to reduce, control, and improve quality of stormwater in Lake Tahoe watershed, resulting in measurable reductions in amount, or improvements to the quality, of stormwater. 28. Implement measures (e.g. BMPs, education/outreach, LID) to reduce, control and improve quality of stormwater in the Truckee River watershed, resulting in measurable reductions in amount, or improvements to the quality, of stormwater. 29. Implement measures (e.g. BMPs, education/outreach, LID) to reduce, control, and improve quality of stormwater in the Owens River-Mono watershed, resulting in measurable reductions in amount, or improvements to the quality, of stormwater. 30. Implement measures to determine sources of, reduce, and prevent toxicity in the Susan River watershed, resulting in measurable reduction in toxicity.

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VIII. Priorities Located in Regional Water Board 6	Priorities
Department of Health Services (Agency ID: DHS)	1. Priorities are identified in Appendix A of the Department of Health Services (DHS) Proposition 50 Water Security, clean Drinking Water, Coastal and Beach Protection Act of 2002 (Section79500 et seq.) which is available at the following website: http://www.dhs.ca.gov/ps/ddwem/Prop50/pdfs/CriteriaforChapters3and4-FINAL.pdf. Projects that fit categories A-G are identified as priorities.
Resources Agency (Agency ID: Resources Agency)	1. Projects that will develop, identify, and use appropriate new indicators or identify and use existing indicators for assessments and monitoring of watershed health.
Department of Fish and Game (Agency ID: DFG)	Not Applicable
Department of Parks and Recreation (Agency ID: DPR)	The Department of Parks and Recreation (DPR) Watersheds listed below are representative of each ecoregion's special physical and biological characteristics. DPR's priorities include watershed assessment, management, planning, implementation, and improvement in watersheds that exhibit high quality characteristics where DPR has ownership and management responsibility. There are many additional DPR watersheds that exhibit high quality characteristics and are also worthy of support. **Please note:** All applicants proposing to do projects on State Park System lands must partner with DPR and provide State Water Resources Control Board with a letter (or official communication) from DPR acknowledging the partnership and endorsing the proposed project. Contact Syd Brown, Natural Resources Division, California Department of Parks and Recreation at sbrow@parks.ca.gov or 916-653-9930 for specifics. **DPR Representative Watersheds** 1. **Burton Creek watershed, Burton Creek State Park (SP)**, connects with Lake Tahoe Basin Management Unit, United States Forest Service (USFS) 2. **General Creek watershed**, Sugar Pine Point SP, connects with Lake Tahoe Basin Management Unit. 3. **Angora Creek watershed** (a tributary of Upper Truckee River (UTR)) and Upper Truckee River (where UTR is adjacent or includes DPR property), Lake Valley State Recreation Area (SRA) and Washoe Meadows SP, connects

VIII. Priorities Located in Regional Water Board 6	Priorities
	with Lake Tahoe Basin Management unit. 4. **Cold Creek, Donner Creek, and Lakeview Canyon watersheds**, Donner Memorial SP, all flow to the Truckee River, Nevada County 5. **Red Rock Canyon watershed, Red Rock Canyon SP**, connects with Bureau of Land Management (BLM) lands and flows to Fremont Valley, Mojave Desert, Kern County.

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VIII. Priorities Located in Regional Water Board 6	**Priorities**
State Coastal Conservancy (Agency ID: SCC)	Not Applicable
Ocean Protection Council (Agency ID: OPC)	Not Applicable
Department of Water Resources (Agency ID: DWR)	**GENERAL PRIORITIES** 1. Improved coordination of land use planning and water management through applying watershed management strategies within Integrated Regional Water Management planning and implementation efforts. 2. Improve water supply reliability through conjunctive use programs and integration of flood management with water supply management. 3. Improved ecological function of floodplains and stream corridors. 4. Assist newly formed (within last 5 years) Resource Conservation Districts (RCDs) with capacity building for restoration, stewardship, and water management, e.g. NRCD **WATERSHED SPECIFIC PRIORITIES** 5. Projects that include operations and maintenance for multiple years for the following stream gauging stations: a. 10296000 West Walker River below Little Walker River
California Bay Delta Authority (Agency ID: CALFED)	Not Applicable
Department Boating and Waterways (Agency ID: DBW)	1. Development of Decision Support Systems (DSS) utilizing the GIS database under development by the Coastal Sediment Management Workgroup (comprised of the Resources Agency, State Coastal Conservancy (SCC), California Coastal Commission, Department of Fish and Game, U.S. Army Corps of Engineers and NOAA) to develop a suite of tools to assist coastal managers, engineers and regulators in making sound regional-based decisions regarding beneficial reuse of sediment in an environmental responsible manner through the development and implementing a the California Sediment Master Plan (SMP).

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VIII. Priorities Located in Regional Water Board 6	Priorities
	2. Project to designate and permit two new nearshore /onshore sites to beneficially reuse acceptable dredge material to renourish sediment impaired (coastal erosion hotspots with a lack of natural sediment) areas. Ventura and Santa Barbara Counties are the two likely targets areas for this project. 3. Detailed monitoring to characterize the affects and impacts of turbidity in nearshore waters derived from a beach restoration project to provide the scientific basis to develop clear and effective water quality and TMDL permit guidelines for future projects. The project location is subject to the availability of a viable and study-worthy restoration project in southern California.

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Region Number_AgencyID_PriorityNumber and letter (if applicable) Example: R6_DWR_5a

VIII. Priorities Located in Regional Water Board 6	**Priorities**
Department of Conservation (Agency ID: DOC)	1. Continue and expand the watershed coordinator grant program statewide with the goal of creating an environment that encourages Watershed Coordinators to collaborate, cooperate and work with diverse stakeholders to build local capacity to implement watershed improvement projects. 2. Assessment of Abandoned Mines in order to map, analyze and remediate abandoned mines with chemical hazards including: a. Water sampling/ monitoring upstream and downstream of abandoned mines. b. Biological sampling for toxicity c. Rock and soil sampling and analysis d. Research historical records e. Plant community studies on and around abandoned mine lands. f. Ground/aerial mapping abandoned mines using GPS. g. Geologic mapping of abandoned mines h. Statistical data analysis 3. Remediation of acid rock drainage or other chemical hazards discharging into impacted waterways (303d listed) from abandoned mines.
California Coastal Commission (Agency ID: CCC)	Not Applicable
California Department of Forestry (Agency ID: CDF)	**Please note:** Applicants proposing to do projects in State Forest land must partner with CDF and provide State Water Board with a letter from CDF acknowledging the partnership. **1. Vegetation Management (Fire and Fuels Reductions)** a. Projects that assess fuel conditions in a watershed identify for Fuel Reduction needs, especially, projects or plans that aim to reduce the risk and impact of high severity fires on watershed health (i.e. water quality, water quantity…) and wildlife habitat. b. Projects aimed at reducing fuel loads through Vegetation Management (i.e. controlled burns, vegetation /

VIII. Priorities Located in Regional Water Board 6	Priorities
	brush removal…) in high-risk areas. c. Projects that assess vegetation conditions, identify the extent of Invasive exotic plant species, provide and implement a plan for removal. d. Where appropriate plans and projects should be coordinated with existing Fire Safe Councils and community based Fire Plans (http://www.firesafecouncil.org/). e. Projects that offer technical assistance to landowners to undertake hazardous fuels reduction. **2. Sediment** a. Development and implementation of Road Management Plans to achieve long term reductions in road-related sediment in forested landscapes. b. Projects that implement priorities from existing sediment TMDLs. 3. **Monitoring**[ck6] to evaluate the effectiveness of mitigation measures that are designed to reduce sediment loads or evaluate the impact of management practices on stream temperature. 4. **Canopy Conditions -** Inventory and evaluate the adequacy of riparian buffer zones to provide shade for stream channels. Implement management practices that promote the development and restoration of riparian vegetation that provides stream shade in existing temperature TMDLs. 5. **Large Woody Debris -** Assessment of riparian vegetation and in-stream large woody debris. Develop and implement management plans that will provide for both short and long-term recruitment of LWD to stream channels. a. In the North Coast region projects should be consistent with "High Priorities" that have been identified under the DFG Coho Recovery Plan (www.dfg.ca.gov/nafwb/fishgrant.html). b. Projects that coordinate the implementation of the Forest Practices Act and the Coho Recovery Strategy. **6. Land Conversion -** Prepare and implement Community Development Plans that promote the preservation of economically sustainable forest and range lands and discourage land conversion to residential or commercial development. 7. **Timber Management**- Projects that coordinate timber management permitting between CDF and other agencies to promote high-quality forest management and provide regulatory relief and incentives for non-industrial forest

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 6

Applicants must identify priorities that their project will address using the following format:
Region Number_AgencyID_PriorityNumber and letter (if applicable) Example: R6_DWR_5a

VIII. Priorities Located in Regional Water Board 6	**Priorities**
	landowners. 8. **The following watersheds are priorities based on forest practice concerns and impacts on sediment and riparian areas.** a. Bear (Sediment) b. Lake Tahoe (Sediment from upland sources, forest health, fuels/fire)

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 7

Applicants must identify priorities that their project will address using the following format:
Region Number_AgencyID_PriorityNumber and letter (if applicable) Example: R7_DWR_5a

IX. Priorities Located in Regional Water Board 7	**Priorities**
State Water Resources Control Board (Agency ID: SWRCB)	**State Water Board** 1. Projects that include the development of a Hydrologic Model that will predict unimpaired flows in streams throughout California. The initial focus should be on the Russian River and its tributaries. The model should be capable of adding impairments (water diversions and use, instream flow requirements etc. for the determination if there is water available for appropriation. 2. Projects that include the development of a geographic information system (GIS) that identifies the location of dams and reservoirs on topographic maps. The layers should include all known water diversions, locations of sensitive fish and wildlife habitat. A layer should provide the location of sensitive fish and wildlife habitat. A layer should provide the location of stream reaches that have water right permit of license minimum instream flow requirements. Layers should also identify the location of fully appropriated streams, and designated wild and scenic rivers.
Regional Water Quality Control Board 7 (Agency ID: RWQCB 7)	**REGIONAL WATER BOARD 7** **Priorities Projects (Region-wide)** **TMDL Development and Implementation** 1. *Control and Reduction of International Pollution in the New River* (Salton Sea Transboundary Watershed): reduce pathogens, biological oxygen demand (BOD), trash, and volatile organic compounds to meet water quality standards. 2. *Control and Reduction of NPS Pollution in the Salton Sea Transboundary Watershed:* particularly in Imperial Valley where impairments from NPS pollution are most severe. In order of concern, pollutants include insoluble pesticides, soluble pesticides, total dissolved solids (salts), phosphates, selenium, and nitrates. 3. *Protection of Coachella Valley Groundwater (Salton Sea Transboundary Watershed): control volatile organic compounds, petroleum hydrocarbons (particularly BTEX and MTBE), perchlorate, and nitrates.* 4. *Protection of Municipal aquifers in Desert Hot Springs and Mission Springs areas (Salton Sea Transboundary Watershed); and the Yucca Valley and Twentynine Palms (Hi-Desert Watershed): control nitrates and TDS.*

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 7

Applicants must identify priorities that their project will address using the following format:
Region Number_AgencyID_PriorityNumber and letter (if applicable) Example: R7_DWR_5a

IX. Priorities Located in Regional Water Board 7	**Priorities**
	Regional Priority Targeted Projects List (Specific) *In matters of selecting project proposals for funding with Nonpoint Source Implementation Program (Clean Water Act (CWA) Section 319(h)), Proposition 40, and Proposition 50 funds, Regional Water Board staff will give priority to projects that result in:* 5. TMDL Implementation/Assessment and Improvement of Impaired surface Water bodies within the Salton Sea Trans-boundary Watershed. 6. Implementation of agricultural management practices on Imperial Valley farms that result in measurable sediment reduction in agricultural runoff water that flows into the New and Alamo River and Imperial Valley Drains. 7. Implementation of drain maintenance practices in Imperial Valley drains that result in measurable sediment reduction in water flowing through drains into the New and Alamo River. 8. Education and outreach to Imperial Valley agricultural farm owners and operators that result in measurable sediment, nutrient and/or pesticide reduction in agricultural runoff water that flows into the New and Alamo River and Imperial Valley Drains. 9. Installation of systems or implementation of management practices that produce measurable reductions of bacterial pathogens and trash in the New River at the International Boundary. 10. Installation of systems or implementation of management practices that produce measurable reductions of volatile organic compounds in the New River at the International Boundary. 11. Installation of systems or implementation of management practices that produce measurable increases of dissolved oxygen in the New River at the International Boundary. 12. Installation of systems or implementation of management practices that produce measurable reductions of phosphorus concentrations in water that flows into the Salton Sea. 13. Implementation of agricultural management practices on Imperial Valley farms that result in measurable pesticide reduction in agricultural runoff water in the Salton Sea Transboundary watershed.

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 7

Applicants must identify priorities that their project will address using the following format:
Region Number_AgencyID_PriorityNumber and letter (if applicable) Example: R7_DWR_5a

IX. Priorities Located in Regional Water Board 7	Priorities
	14. Implementation of agricultural management practices on Imperial Valley farms that result in measurable nitrogen and phosphorus reduction in agricultural runoff water in the Salton Sea Transboundary watershed. 15. Research/Scientific study to enhance or introduce new methodology for water quality improvements. **Groundwater Protection** 16. Installation of municipal/domestic sewage collection and treatment systems to prevent or slow the migration of volatile organic compounds, petroleum hydrocarbons from storage tanks into Coachella Valley groundwater 17. Installation of waste collection and treatment systems to prevent or reduce the amounts of total dissolved solids, and nitrate salts flowing from individual wastewater disposal systems into Coachella Valley groundwater. 18. Installation of waste collection and treatment systems or implementation of practices that prevent or reduce the amounts of total dissolved solids, and nitrate salts flowing from individual wastewater disposal systems into Desert Hot Springs and Mission Springs aquifers. 19. Installation of systems or implementation of practices that prevent or reduce the amounts of total dissolved solids, and nitrate salts flowing from individual wastewater disposal systems into Hi-Desert watershed (i.e.Yucca Valley and Twentynine Palms). **Monitoring and Evaluation Studies** 20. Evaluation of effectiveness of agricultural management practices for sediment reduction in irrigation return flows. 21. Evaluation of effectiveness of agricultural management practices for nutrient reduction in irrigation return flows. 22. Evaluation of effectiveness of agricultural management practices for pesticides reduction in irrigation return flows. 23. Implementation of Toxic Substances Monitoring Program in agricultural drains. 24. Implementation of Selenium Control Projects in the Salton Sea Transboundary watershed.

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 7

Applicants must identify priorities that their project will address using the following format:
Region Number_AgencyID_PriorityNumber and letter (if applicable) Example: R7_DWR_5a

IX. Priorities Located in Regional Water Board 7	Priorities
	25. Implementation of a Yucca Valley groundwater monitoring study to evaluate the potential threats to water quality originating from individual wastewater disposal systems. 26. Increase acreage for wetland projects along the New and Alamo Rivers to evaluate the effectiveness of wetlands in removing conventional pollutants prior to flowing into the Salton Sea.

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 7

Applicants must identify priorities that their project will address using the following format:
Region Number_AgencyID_PriorityNumber and letter (if applicable) Example: R7_DWR_5a

IX. Priorities Located in Regional Water Board 7	**Priorities**
Department of Health Services (Agency ID: DHS)	1. Priorities are identified in Appendix A of the Department of Health Services (DHS) Proposition 50 Water Security, clean Drinking Water, Coastal and Beach Protection Act of 2002 (Section79500 et seq.) which is available at the following website: http://www.dhs.ca.gov/ps/ddwem/Prop50/pdfs/CriteriaforChapters3and4-FINAL.pdf. Projects that fit categories A-G are identified as priorities.
Resources Agency (Agency ID: Resources Agency)	1. Projects that will develop, identify, and use appropriate new indicators or identify and use existing indicators for assessments and monitoring of watershed health.
Department of Fish and Game (Agency ID: DFG)	Not Applicable
Department of Parks and Recreation (Agency ID: DPR)	The Department of Parks and Recreation (DPR) Watersheds listed below are representative of each ecoregion's special physical and biological characteristics. DPR's priorities include watershed assessment, management, planning, implementation, and improvement in watersheds that exhibit high quality characteristics where DPR has ownership and management responsibility. There are many additional DPR watersheds that exhibit high quality characteristics and are also worthy of support. **Please note:** All applicants proposing to do projects on State Park System lands must partner with DPR and provide State Water Resources Control Board with a letter (or official communication) from DPR acknowledging the partnership and endorsing the proposed project. Contact Syd Brown, Natural Resources Division, California Department of Parks and Recreation at sbrow@parks.ca.gov or 916-653-9930 for specifics. **DPR Representative Watersheds** 1. **Coyote Creek watershed and tributaries**, Anza Borrego Desert SP, Riverside and San Diego Counties. (Connects with some BLM lands in uppermost watershed.)
State Coastal Conservancy (Agency ID: SCC)	Not Applicable

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 7

Applicants must identify priorities that their project will address using the following format:
Region Number_AgencyID_PriorityNumber and letter (if applicable) Example: R7_DWR_5a

IX. Priorities Located in Regional Water Board 7	**Priorities**
Ocean Protection Council (Agency ID: OPC)	Not Applicable
Department of Water Resources (Agency ID: DWR)	**GENERAL PRIORITIES** 1. Improved coordination of land use planning and water management through applying watershed management strategies within Integrated Regional Water Management planning and implementation efforts. 2. Improve water supply reliability through conjunctive use programs and integration of flood management with water supply management. 3. Improved ecological function of floodplains and stream corridors. 4. Assist newly formed (within last 5 years) Resource Conservation Districts (RCDs) with capacity building for restoration, stewardship, and water management, e.g Butte County RCD **WATERSHED SPECIFIC PRIORITIES** 5. Support or establish regional technical assistance and stewardship group coordination in the Sacramento Valley, San Joaquin Valley, Tulare basin, and Southern California from Santa Monica Bay to the Mexican border. 6. In the New River implement coordinated water quality controls addressing pollution from Mexico and the US.
California Bay Delta Authority (Agency ID: CALFED)	Not Applicable
Department Boating and Waterways (Agency ID: DBW)	Not applicable

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 7

Applicants must identify priorities that their project will address using the following format:
Region Number_AgencyID_PriorityNumber and letter (if applicable) Example: R7_DWR_5a

IX. Priorities Located in Regional Water Board 7	**Priorities**
Department of Conservation (Agency ID: DOC)	1. Continue and expand the watershed coordinator grant program statewide with the goal of creating an environment that encourages Watershed Coordinators to collaborate, cooperate and work with diverse stakeholders to build local capacity to implement watershed improvement projects. 2. Assessment of Abandoned Mines in order to map, analyze and remediate abandoned mines with chemical hazards including: a. Water sampling/ monitoring upstream and downstream of abandoned mines. b. Biological sampling for toxicity c. Rock and soil sampling and analysis d. Research historical records e. Plant community studies on and around abandoned mine lands. f. Ground/aerial mapping abandoned mines using GPS. g. Geologic mapping of abandoned mines h. Statistical data analysis 3. Remediation of acid rock drainage or other chemical hazards discharging into impacted waterways (303d listed) from abandoned mines.
California Coastal Commission (Agency ID: CCC)	Not Applicable
California Department of Forestry (Agency ID: CDF)	Not Applicable

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 8

Applicants must identify priorities that their project will address using the following format:
Region Number_AgencyID_PriorityNumber and letter (if applicable) Example: R8_DWR_5a

X. Priorities Located in Regional Water Board 8	**Priorities**
State Water Resources Control Board (Agency ID: SWRCB)	**State Water Board <u>General</u> Priorities:** 1. Projects that include the development of a Hydrologic Model that will predict unimpaired flows in streams throughout California. The initial focus should be on the Russian River and its tributaries. The model should be capable of adding impairments (water diversions and use, instream flow requirements etc. for the determination if there is water available for appropriation. 2. Projects that include the development of a geographic information system (GIS) that identifies the location of dams and reservoirs on topographic maps. The layers should include all known water diversions, locations of sensitive fish and wildlife habitat. A layer should provide the location of sensitive fish and wildlife habitat. A layer should provide the location of stream reaches that have water right permit of license minimum instream flow requirements. Layers should also identify the location of fully appropriated streams, and designated wild and scenic rivers. 3. Projects to develop and test rapid indicators that detect bacterial contamination in a rapid and cost efficient manner. Projects must be designed to help meet the need for a fast, reliable, accurate and inexpensive way to test beach water quality. 4. Projects to conduct epidemiology studies to better understand and develop methods to monitor the risk of swimming at non-point source contaminated beaches. The need for, and prioritization of, mitigation actions at beach with high bacterial counts is dependent on a better understanding of the relationship between these indicators and health risk. Epidemiology studies should include efforts to associate the incidence of health effects with rapid indicators and new indicators. 5. Projects to develop new quantifiable, accurate and relatively inexpensive indicators: preferably those indicators that are actually human pathogens. The new indicators need to be tied to epidemiology study results to ensure that they are indeed quantifying health risk and must useable by most environmental microbiology labs. 6. Projects to develop Source and test Tracking tools, which are a requirement under Assembly Bill 538 (Statutes 1999, Chapter 488), to help environmental health managers identify sources of fecal contamination. 7. Projects to evaluate the effectiveness of best management practices (BMPs) such as circulation enhancements, treatment wetlands, some end of pipe treatment package plants, antibacterial filter materials, and treatment wetlands. A focused investigation of BMP effectiveness of projects to improve circulation needs to be done in order to

X. Priorities Located in Regional Water Board 8	Priorities
	determine the best approach to improve enclosed beach water quality and protect human health. 8. Projects to improve understanding of and the ability to monitor bacterial Transport Mechanisms, including Bacterial magnification and regrowth. **State Water Board <u>Ocean Protection Project</u> Priorities:** *These priorities, along with the priorities identified by the Ocean Protection Council, must be met in order to apply for the $10 million of the Coastal Nonpoint Source Pollution Control Program funds devoted to ocean protection projects.* 9. A project to complete the development, validation, assistance in certification, and implementation of Rapid Indicators of beach pathogen contamination. (Rapid Indicators is a statewide priority.) 10. Projects to implement control strategies, and to eliminate nonpoint source (NPS) discharges to areas of special biological significance (ASBS) and their adjacent Critical Coastal Areas (CCAs).

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 8

Applicants must identify priorities that their project will address using the following format:
Region Number_AgencyID_PriorityNumber and letter (if applicable) Example: R8_DWR_5a

X. Priorities Located in Regional Water Board 8	**Priorities**
Regional Water Quality Control Board 8 (Agency ID: RWQCB 8)	**Regional Water Board 8** **Multiple WMA or Region-wide projects** 1. In support of WARM, COLD, RARE, WILD, SPWN, MAR, SHEL and EST beneficial uses, projects that protect, restore and/or enhance aquatic, wetland, and riparian habitat and habitat connectivity, particularly habitat of rare, threatened and endangered species, regionwide. 2. Regionwide, removal and prevention of invasive, exotic aquatic and riparian vegetation to enhance and protect water quality standards, including habitat and recreation beneficial uses. 3. Projects that lead to or result in measurable reductions in the load of pollutants carried by urban runoff discharges that cause, or threaten to cause, violations of beach water quality standards, in the following WMAs: Anaheim Bay / Huntington Harbour / Bolsa Chica; Newport Bay; and, Lower Santa Ana River. 4. Conduct studies, and plan and implement BMPs and management measures, that result in measurable reductions in pathogenic indicator bacteria and fewer health advisory posting days at Lake Perris swimming beaches, and other fresh water lake swimming beaches, regionwide **Watershed Management Area (WMA) Targeted Projects** 5. Implement projects that reduce or remove the water-borne pathogen threat posed by discharges from failing on-site subsurface disposal systems (OSDS) to beneficial uses of surface waters throughout the Lake Elsinore and San Jacinto River WMA, but primarily in the Quail Valley area of Riverside County. These projects may include providing sanitary sewers or other alternatives to OSDSs and providing assistance to connect to sewers as they become available in the Quail Valley area, and conducting OSDS assessments and preparing OSDS management plans for sub-watersheds and communities throughout the Lake Elsinore and San Jacinto River WMA. 6. In the Lake Elsinore and San Jacinto River WMA, plan and implement projects that result in measurable reductions in the loads of sediment, nutrients (nitrogen and phosphorus), and pathogens reaching Canyon Lake and Lake Elsinore, and that lead to the external/internal load reductions specified in the Canyon Lake and Lake Elsinore TMDLs for nitrogen and phosphorus. Develop regional BMPs and a pollutant trading plan that will result in

X. Priorities Located in Regional Water Board 8	Priorities
	measurable reductions in the load of nutrients discharged into Canyon Lake and Lake Elsinore. (These projects will implement TMDLs adopted in 2005 for Canyon Lake and Lake Elsinore.) 7. Implement projects that result in a measurable reduction in the loads of sediment, nutrients, selenium, metals and organochlorine pesticide residues that accumulate and/or bioaccumulate in Reach 1 of San Diego Creek and Upper Newport Bay. (These projects will implement TMDLs adopted in 1998/99 and 2002 for Newport Bay and San Diego Creek.) (Newport Bay WMA) 8. Implement projects that result in a measurable reduction in the loads of sediment carried by Borrego Wash and Serrano Creek, and other streams that are tributary to Reach 2 of San Diego Creek. (These projects will implement TMDLs adopted in 1998/99 for Newport Bay and San Diego Creek.) (Newport Bay WMA) 9. Implement projects that result in restoration of beneficial uses in stream reaches at least 1250 feet in length that are tributary to Reach 2 of San Diego Creek. (These projects will implement TMDLs adopted in 1998/99 for Newport Bay and San Diego Creek.) (Newport Bay WMA) 10. Implement monitoring and other investigations necessary to provide both short and long-term assessments of the presence and biological effects of toxic pollutants in the biota inhabiting the marine ecosystem of Newport Bay, including benthic communities outside of the footprint of US Army Corps of Engineers' dredging projects to maintain navigation channels through the lower bay, and at known toxic hot spots. The goals of these assessments would include providing data relevant to considerations of Clean Water Act Section 303(d) listing/de-listing for one or more toxic pollutants, and measuring the effectiveness of steps that are being taken to implement TMDLs for Newport Bay. (Newport Bay WMA) 11. Conduct monitoring, bioassessments, and similar investigations that produce data that can be used to support development of TMDLs (or 303(d) delisting) for the following (Anaheim Bay / Huntington Harbour / Bolsa Chica WMA): a. Anaheim Bay, for copper, dieldrin, nickel and PCBs; b. Huntington Harbour, for pathogens, copper, dieldrin, nickel and PCBs; and, c. Bolsa Chica State Beach, for copper and nickel.

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 8

Applicants must identify priorities that their project will address using the following format:
Region Number_AgencyID_PriorityNumber and letter (if applicable) Example: R8_DWR_5a

X. Priorities Located in Regional Water Board 8	Priorities
	12. In the Middle Santa Ana River WMA, implement projects that result in measurable reductions of pathogens and nutrients in runoff discharged from agricultural and urban (including residential and industrial) sources to the Santa Ana River and its tributaries. 13. Plan and implement projects that remediate groundwater in the Chino Basin Watershed of the Middle Santa Ana River WMA that has been polluted by discharges of inorganic industrial and agricultural chemicals, with the objective of producing water that meets all applicable primary state standards and goals. 14. Development and implementation of a lake management plan for Big Bear Lake that has an objective of improving lake capacity and that addresses in comprehensive and coordinated fashion the restoration and protection of the lake's beneficial uses through short and long-term strategies for control and management of nutrients and sediment inputs to the lake and within the lake. (Big Bear Area WMA) This would implement a proposed requirement of the Big Bear Lake sediment/nutrient TMDLs, which will be considered for adoption late 2005/early 2006. 15. Development and implementation of Best Management Practices (BMPs) in the Big Bear Lake watershed that result in measurable control of nutrient and sediment inputs to Big Bear Lake. (Big Bear Area WMA) 16. Implementation of in-lake nutrient reduction strategies in Big Bear Lake, including dredging and/or macrophyte control projects. This would implement a proposed requirement of the Big Bear Lake sediment/nutrient TMDLs, which will be considered for adoption late 2005/early 2006. 17. Conduct studies, and plan and implement BMPs and management measures, that result in reductions in pathogenic indicator bacteria, improved compliance with applicable beach water quality standards, and fewer beach posting days at beaches adjacent to and up-current of the mouths of Talbert Marsh and the Santa Ana River. (Lower Santa Ana River WMA) 18. Projects that result in restoration of beneficial uses recognized in the Water Quality Control Plan for the Santa Ana River Basin (Basin Plan) in and along perennial and ephemeral stream reaches at least 1250 feet in length, or at least 1.5 acres in area, flowing through urbanized areas in the Upper Santa Ana River WMA, including Yucaipa Creek and Oak Glen Creek in Yucaipa, and similar streams. 19. Projects that result in restoration of beneficial uses recognized in the Basin Plan in and along perennial and ephemeral stream reaches at least 1250 feet in length, or at least 1.5 acres in area, flowing through urbanized areas in

X. Priorities Located in Regional Water Board 8	Priorities
	the Middle Santa Ana WMA, including Warm Creek (San Bernardino), Sycamore Creek (Riverside), Chino Creek (Chino), and similar streams. 20. Projects that result in restoration of beneficial uses recognized in the Basin Plan in and along perennial and ephemeral stream reaches at least 1250 feet, or at least 1.5 acres in area, in length flowing through urbanized areas in the Lower Santa Ana WMA, including Carbon Canyon Creek, Santiago Creek, and similar streams. 21. Projects that result in restoration of beneficial uses recognized in the Basin Plan in and along perennial and ephemeral stream reaches at least 1250 feet in length, or at least 1.5 acres in area, flowing through urbanized areas in the Coyote Creek & Carbon Creek WMA. 22. Projects that result in restoration of beneficial uses recognized in the Basin Plan in and along perennial and ephemeral stream reaches at least 1250 feet in length, or at least 1.5 acres in area, flowing through urbanized areas in the Newport Bay WMA, including the Santa Ana Delhi. 23. In the Chino Basin of the Middle Santa Ana River WMA, implement projects that improve the quality of groundwater that has been degraded by historic agricultural and dairy practices. While the long-term objective of these projects is to meet Basin Plan water quality objectives for nitrate-nitrogen and total dissolved solids, the desired outcome of these projects is a significant, quantifiable reduction in groundwater NO3 –N and TDS levels in the groundwater management zones where the projects occur. 24. In the Lake Elsinore & San Jacinto River WMA, implement projects that improve the quality of groundwater that has been degraded by historic agricultural and dairy practices and by discharges from on-site subsurface disposal systems. While the long-term objective of these projects is to meet Basin Plan water quality objectives for nitrate-nitrogen and total dissolved solids, the desired outcome of these projects is a significant, quantifiable reduction in groundwater NO3 –N and TDS levels in the treated groundwater management zones where the projects occur. 25. In the Middle Santa Ana River WMA, conduct bacterial indicator monitoring, source evaluations, and similar assessments and studies that will produce data and information for refinement and implementation of bacterial indicator and pathogen TMDLs for the Santa Ana River Reach 3 and its tributaries.

APPENDIX G: STATEWIDE, REGIONAL, & PARTNER AGENCY PRIORITIES
PRIORITIES LOCATED IN REGIONAL WATER BOARD 8

Applicants must identify priorities that their project will address using the following format:
Region Number_AgencyID_PriorityNumber and letter (if applicable) Example: R8_DWR_5a

X. Priorities Located in Regional Water Board 8	**Priorities**
Department of Health Services (Agency ID: DHS)	1. Priorities are identified in Appendix A of the Department of Health Services (DHS) Proposition 50 Water Security, clean Drinking Water, Coastal and Beach Protection Act of 2002 (Section79500 et seq.) which is available at the following website: http://www.dhs.ca.gov/ps/ddwem/Prop50/pdfs/CriteriaforChapters3and4-FINAL.pdf. Projects that fit categories A-G are identified as priorities.
Resources Agency (Agency ID: Resources Agency)	1. Projects that will develop, identify, and use appropriate new indicators or identify and use existing indicators for assessments and monitoring of watershed health.
Department of Fish and Game (Agency ID: DFG)	Implement Priority 5 actions identified in the Steelhead Trout Management Tasks Search Website (http://www.dfg.ca.gov/nafwb/steelhead_tasks.asp?show_instructions=1&huname=+3304.&haname=&hsaname=&calwnum=+3304.&high_priority=1&submit=Submit) in the following HUs: 1. San Jacinto Valley 2. Santa Ana River
Department of Parks and Recreation (Agency ID: DPR)	The Department of Parks and Recreation (DPR) Watersheds listed below are representative of each ecoregion's special physical and biological characteristics. DPR's priorities include watershed assessment, management, planning, implementation, and improvement in watersheds that exhibit high quality characteristics where DPR has ownership and management responsibility. There are many additional DPR watersheds that exhibit high quality characteristics and are also worthy of support. **Please note:** All applicants proposing to do projects on State Park System lands must partner with DPR and provide State Water Resources Control Board with a letter (or official communication) from DPR acknowledging the partnership and endorsing the proposed project. Contact Syd Brown, Natural Resources Division, California Department of Parks and Recreation at sbrow@parks.ca.gov or 916-653-9930 for specifics. **DPR Representative Watersheds** 1. **Moro Canyon watershed, Crystal Cove State Park (SP)**, Orange County, drains directly to Pacific Ocean. (CCA #71) 2. **Aliso Canyon watershed,** Chino Hills SP, drains to Santa Ana River (San Bernardino and Riverside Counties).

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PRIORITIES LOCATED IN REGIONAL WATER BOARD 8

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X. Priorities Located in Regional Water Board 8	Priorities
State Coastal Conservancy (Agency ID: SCC)	1. Projects which enhance summertime stream flows in coastal watersheds. 2. Project which implement Watershed Enhancement Plans developed jointly by watershed groups and the State Coastal Conservancy (SCC). 3. Completion of fish passage barrier removal projects that benefit listed salmon and steelhead stocks. 4. Acquisition of conservation easements that result in the permanent dedication of in-stream flows for salmonid habitat protection. 5. Surface agricultural return flows are returns from water applied to irrigated land, including, but is not limited to, land planted to row, field and tree crops as well as commercial nurseries, nursery stock production, managed wetlands. 6. Installation, operation, and assessment of the efficacy of infrastructure and/or use and assessment of the efficacy of management practices that results in the measurable reduction of stormwater runoff of sediment and pesticides in watershed tributaries. 7. Projects which support capacity to establish and implement locally directed watershed management programs: i.e. programs which include watershed assessments, development of watershed management plans, establish watershed data management capacity, implementation of watershed management plans, community watershed education, and watershed monitoring within the watershed. 8. Projects in a watershed, including the San Francisco Bay, which increase the amount of wetlands that are designed and managed to maximize beneficial uses while minimizing detrimental effects. 9. Projects in a Coastal Watershed that assess the effects of contaminants on aquatic species and develops and implements management projects, including demonstration projects. 10. Projects that assess and address groundwater impacts due to nitrates from confined animal or onsite disposal systems within a watershed. 11. Projects that create, sustain, and/or increase local capacity to plan and implement watershed-targeted projects including those that provide technical and financial capacity. 12. Support similar recovery of at-risk native species in San Francisco Bay and the watershed above the estuary; and minimize the need for future endangered species listings by reversing downward population trends of native species

X. Priorities Located in Regional Water Board 8	Priorities
	that are not listed. 13. Support projects that rehabilitate natural processes in the Bay and urban watersheds. 14. Continue and expand the watershed coordinator grant program statewide with the goal of creating an environment that encourages watershed Coordinators to collaborate, cooperate and work with diverse stakeholders to build local capacity to implement watershed improvement projects. 15. Projects that implement priorities from existing sediment TMDLs. 16. Monitoring to evaluate the effectiveness of mitigation measures that are designed to reduce sediment loads or evaluate the impact of management practices on stream temperature. 17. Inventory and evaluate the adequacy of riparian buffer zones to provide shade for stream channels. 18. Implement management practices that promote the development and restoration of riparian vegetation that provides stream shade in existing temperature TMDLs. 19. Projects that restore and protect wetlands, riparian and other sensitive aquatic habitats. 20. Improve stakeholder outreach and education (including Grades K-12), and public participation in water quality decisions. 21. Develop or improve water management plans, based on sound science, to address water quality/quantity and related issues on watershed, cross-watershed or regional basis. 22. Activity of concern is degradation of surface and groundwater quality standards. Desired result is to integrate surface and groundwater quality improvement activities while promoting collaborative and cooperative efforts 23. Improve coordination of land use planning and water management through applying watershed management strategies. 24. Improve water supply reliability through conjunctive use programs and integration of flood management with water supply management. 25. Improved ecological function of floodplains and stream corridors. 26. Projects that include operations and maintenance for multiple years for the following stream gauging stations: Continue and expand the watershed coordinator grant program statewide with the goal of creating an environment that encourages Watershed Coordinators to collaborate, cooperate and work with diverse stakeholders to build local

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X. Priorities Located in Regional Water Board 8	**Priorities**
	capacity to implement watershed improvement projects. 27. So CA arundo control; 28. South Orange Co. Critical Coastal Areas, San Mateo Creek, Orange Coast River Park

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X. Priorities Located in Regional Water Board 8	**Priorities**
Ocean Protection Council (Agency ID: OPC)	These Guidelines adopt the State Water Board priorities for ocean protection projects. It is anticipated that the Ocean Protection Council (OPC) will adopt their ocean protection project priorities for the 2005-06 Consolidated Grants Program at their January 13, 2006 meeting. Once adopted by the OPC, their priorities will be posted on the State Water Board's website at: http://www.waterboards.ca.gov/funding/consolidgrants0506.html
Department of Water Resources (Agency ID: DWR)	**General Priorities** 1. Improved coordination of land use planning and water management through applying watershed management strategies within Integrated Regional Water Management planning and implementation efforts. 2. Improve water supply reliability through conjunctive use programs and integration of flood management with water supply management. 3. Improved ecological function of floodplains and stream corridors. 4. Assist newly formed (within last 5 years) Resource Conservation Districts (RCDs) with capacity building for restoration, stewardship, and water management, e.g NRCD **Watershed Specific Priorities** 5. Support or establish regional technical assistance and stewardship group coordination in the Sacramento Valley, San Joaquin Valley, Tulare basin, and Southern California from Santa Monica Bay to the Mexican border.
California Bay Delta Authority (Agency ID: CALFED)	**CALFED Bay Delta Program Elements** A focused and clearly made connection in your project between the Watershed Program priorities and one or more other Program Elements is likely to be more persuasive than a more general sweeping attempt to connect all the Elements in one project. **Water Management Program Summary** Objectives and priorities for the next 3-5 years

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X. Priorities Located in Regional Water Board 8	**Priorities**
	1. <u>Water Management overall objectives:</u> a. Maximize the use of existing available water supplies through conservation, water recycling, transfers and water quality improvements. b. Increase the flexibility of water systems at the state, federal and local level through improvements in conveyance, storage and water project operations. c. Develop groundwater and surface water storage projects to boost flexibility and provide additional supplies for agriculture, urban and environmental use. 2. <u>Water Use Efficiency Element</u> *Water Use Efficiency Element objectives are to:* a. Reduce water demand through conservation of presently used supplies b. Improve water quality by altering volume, concentration, timing and location of irrigation and wastewater return flows c. Improve ecosystem health by increasing in-stream flows where necessary to achieve targeted benefits *Water Use Efficiency Element priorities are to:* d. Credibly estimate past and expected performance (costs and benefits) of water conservation and recycling activities in California. e. Develop volumetric (e.g. acre-feet of water conserved) targets for agricultural and urban conservation and recycling, divided into contributions toward water supply ("real water conservation"), in-stream flows, and improved water quality. f. Make progress to achieve the Agriculture Water Use Efficiency quantifiable objectives for the 21 designated regions. *Specific geographic areas of near term focus include:* g. Twenty-one regions designated in Appendix A of the Program Plan available at the following website:

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X. Priorities Located in Regional Water Board 8	**Priorities**
	(http://calwater.ca.gov/Archives/WaterUseEfficiency/WaterUseEfficiencyQuantifiableObjectives.shtml) 3. Drinking Water Quality Element *Drinking Water priorities for watershed projects are to:* a. Advance understanding of how watersheds connect to both local and statewide drinking water supplies. Projects that advance efforts to develop and implement regional drinking water quality management plans are particularly important. Watershed groups are encouraged to work with both local water utilities and with the CALFED program to develop plans that identify the status of existing water quality and the water quality goals within the region, identify connections to other regions, and develop strategies for water quality improvement or maintenance. These plans can be incorporated into integrated regional water management plans or built upon existing resource management plans. b. Support efforts to understand how source improvement actions interact with water management actions, and improved treatment to improve drinking water quality at the tap. c. Educate stakeholders and the public on the connections between watersheds and drinking water supplies. d. Reduce stormwater runoff through projects that protect or restore natural hydrology. e. Reduce pollutant loadings from sources that may contribute drinking water pollutants of concern including animal grazing, animal feeding operations, irrigated agriculture, managed wetlands, and urban areas. (Reduce loadings of pollutants that have the greatest impact on drinking water supplies. (Pollutants identified as being of most drinking water quality concern in the Delta are organic carbon, bromide, salinity, nutrients, turbidity, taste and odor producing compounds, and pathogens. Other pollutants such as arsenic, perchlorate, and herbicides are of local or regional concern.) *Specific geographic areas of near term focus include:* f. Delta islands g. Delta tributaries below the major dams h. San Joaquin Valley

X. Priorities Located in Regional Water Board 8	Priorities
	i. Sacramento Valley j. Watersheds that directly affect State or federal water project canals or reservoirs. Proximity to drinking water intakes or groundwater recharge areas for drinking water wells is an important consideration. 4. <u>Conveyance Element</u> *Conveyance Element objectives are to:* a. Modify the existing conveyance system for water supply, water quality, flood protection and ecosystem benefits b. Improve pumping operations of the State Water Project to increase reliability and enhance fish protection *Near term priorities are:* c. Construct permanent operable barriers and increase the maximum SWP export capacity to 8,500 cubic feet per second (South Delta Improvements Program) d. Construct the Delta Mendota Canal/California Aqueduct Intertie e. Complete the Delta Cross Channel and the Through Delta Facility studies f. Complete the studies on South Delta Hydrodynamics, Water Quality, and Fish g. Complete the studies on Delta Smelt and Fish Facilities h. Continue south Delta fish facilities improvements i. Implement north Delta Flood Control and Ecosystem Improvements j. Implement lower San Joaquin River Flood Protections Improvements 5. <u>Storage Element</u> *Storage Element objectives are to:* a. Provide financial and technical assistance to implement 1/2 million to 1 million acre-feet of new, locally

X. Priorities Located in Regional Water Board 8	Priorities
	managed groundwater storage b. Pursue specific opportunities for new off-stream storage sites and expansion of existing on-stream storage sites as identified in the Record of Decision *Storage Element priorities include:* c. Groundwater conjunctive management projects that will contribute to an accumulated capacity of 500 Thousand Acre Feet to 1 Million Acre Feet. d. Increase water supply reliability statewide through planned, coordinated local management and use of groundwater and surface water resources. e. Develop a basic understanding of individual groundwater basins and their relationship to watersheds. f. Identify basin management strategies and objectives. g. Plan and conduct groundwater studies. h. Design and construct conjunctive use projects. 6. <u>Water Transfers Element</u> *Water Transfers Element objectives are to:* a. Develop a more effective water transfer market b. Respect water rights, and protect environmental and economic conditions c. Streamline the approval process of state and federal agencies for water transfers *Water Transfers Element priorities are to:* d. Increase the availability of existing facilities for water transfers e. Lower transaction costs through permit streamlining f. Increase the availability of market information to stakeholder and permitting agencies 7. <u>Environmental Water Account Element</u>

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X. Priorities Located in Regional Water Board 8	**Priorities**
	Environmental Water Account Element objectives are to: a. Provide protection to the at-risk fish species in the Bay-Delta estuary through environmentally beneficial changes in SWP/CVP operations at no uncompensated water cost to the project's water users b. Better protection for fish and habitats at critical times by providing water in a flexible manner other than solely through strict requirements. c. Increase water supply reliability by allowing projects to meet environmental and water supply needs at the same time. *Environmental Water Account Element priorities are to:* d. Continue to provide protection to the fish of the Bay-Delta through changes in SWP/CVP operations e. Continue short term water purchases, but shift to making multi-year agreements as the core part of the acquisition strategy f. Assess SWP/CVP demand buy-down to manage EWA debt. g. Evaluate the potential for land retirement and drainage mitigation for EWA Assets h. Explore coordination of New Bullards Bar and Oroville Reservoir operations i. Investigate groundwater banking capacity for EWA assets j. Complete the Long Term EWA EIS/EIR k. Provide an average of 374 thousand acre feet (TAF) of water for fish habitat actions (250-490 TAF, depending on year type). l. Acquire fixed assets of 210 TAF in critical, 230 TAF in dry, and 250 TAF in other year types, measured in south-of- Delta equivalents (water used to compensate for Delta pumping curtailments must be returned to the projects south of Delta). That water may be purchased and/or stored upstream of the Delta. In such cases, additional water is usually required to offset conveyance and Delta losses. (The phrase "south of Delta equivalents" indicates the net volume required after accounting for such losses).

X. Priorities Located in Regional Water Board 8	Priorities
	m. Acquire south-of-Delta water storage capability and/or its functional equivalent to bridge high demand periods for the EWA. Functional equivalents may include additional purchases, agreements with the projects to carry debt, or other comparable arrangements. n. Use multi-year wet/dry year exchanges and wet year uneven exchanges to augment assets and manage EWA assets. **<u>Ecosystem</u> Restoration Program Summary** Objectives and priorities for the next 3-5 years 8. <u>Ecosystem Restoration overall objectives:</u> a. Achieve recovery of at-risk native species dependent on the Delta and Suisun Bay as the first step toward establishing large, self-sustaining populations of these species; support similar recovery of at-risk native species in San Francisco Bay and the watershed above the estuary; and minimize the need for future endangered species listings by reversing downward population trends of native species that are not listed. b. Rehabilitate natural processes in the Bay-Delta estuary and its watershed to fully support, with minimal ongoing human intervention, natural aquatic and associated terrestrial biotic communities and habitats, in ways that favor native members of those communities. c. Maintain and/or enhance populations of selected species for sustainable commercial and recreational harvest, consistent with the other ERP strategic goals. d. Protect and/or restore functional habitat types in the Bay-Delta estuary and its watershed for ecological and public values such as supporting species and biotic communities, ecological processes, recreation, scientific research, and aesthetics. e. Prevent the establishment of additional nonnative invasive species and reduce the negative ecological and economic impacts of established nonnative species in the Bay-Delta estuary and its watershed. f. Improve and/or maintain water and sediment quality conditions that fully support healthy and diverse aquatic ecosystems in the Bay-Delta estuary and watershed; and eliminate, to the extent possible,

X. Priorities Located in Regional Water Board 8	**Priorities**

toxic impacts to aquatic organisms, wildlife, and people.

Near term priorities

g. Recover 19 at-risk native species and contribute to the recovery of 25 additional species (see Table ERP-1, below)
h. Rehabilitate natural processes related to hydrology, stream channels, sediment, floodplains and ecosystem water quality
i. Maintain and enhance fish populations critical to commercial, sport and recreational fisheries
j. Protect and restore functional habitats, including aquatic, upland and riparian, to allow species to thrive
k. Reduce the negative impacts of invasive species and prevent additional introductions that compete with and destroy native species
l. Improve and maintain water and sediment quality to better support ecosystem health and allow species to flourish

Table ERP-1:
At-risk native species of interest to the Ecosystem Restoration Program

Contribute to the recovery of these species:	
San Joaquin Valley woodrat	*Neotoma fuscipes riparia*
Salt marsh harvest mouse	*Reithrodontomys raviventris*
Riparian brush rabbit	*sylvilagus bachmani riparius*
California clapper rail	*Rallus langirostris obsoletus*
Least Bell's vireo	*Vireo bellii pusillus*
Giant garter snake	*Thamnophis gigas*
Delta green ground beetle and critical habitat	*Elaphrus viridis*
Crampton's tuctoria	*Tuctoria mucronata*
Bank swallow	*Riparia riparia*

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X. Priorities Located in Regional Water Board 8	**Priorities**			
		California black rail	*Laterallus jamaicensis coturniculus*	
		Greater sandhill crane	*Grus canadensis tabida*	
		Little willow flycatcher	*Empidonax traillii brewsteri*	
		Swainson's hawk	*Buteo swainsoni*	
		Western yellow-billed cuckoo	*Coccyzus americanus occidentalis*	
		Delta coyote-thistle	*Eryngium racemosum*	
		San Pablo California vole	*Microtus californicus sanpabloensis*	
		California yellow warbler	*Dendroica petechia brewsteri*	
		Salt marsh common yellowthroat	*Geothlypis trichas sinuosa*	
		Sacramento perch	*Archoplites interruptus*	
		Alkali milk vetch	*Astragalus tener* var. *tener*	
		Bristly sedge	*Carex comosa*	
		Point Reyes bird's-beak	*Cordylanthus maritimus* ssp. *Palustris*	
		Northern California black walnut native stands	*Juglans californical* var. *hindsii*	
		Delta tule pea	*Lathyrus jepsonii* var. *jepsonii*	
		Delta mudwort	*Limosella subulata*	
		Recover these species:		
		Central Valley steelhead ESU and critical habitat	*Oncorhynchus mykiss* (cv)	
		Central Valley spring-run chinook salmon ESU and critical habitat	*Oncorhynchus tshawytscha* (sr)	
		Delta smelt and critical habitat	*Hypomesus traspacificus*	
		Sacramento splittail	*Pogonichthys macrolepidotus*	
		Sacramento River winter-run chinook salmon	*Oncorhynchus tshawytscha* (wr)	

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ESU and critical habitat	
Lange's metalmark	*Apodemia mormo langei*
Valley elderberry longhorn beetle and critical habitat	*Desmocerus californicus dimorphus*
Suisun thistle	*Cirsium hydrophilum* var. *hydrophilum*
Soft bird's beak	*Cordylanthus mollis* ssp. *mollis*
Contra Costa wallflower and critical habitat	*Erysimum capitatum* ssp. *angustatum*
Antioch Dunes evening-primrose and critical habitat	*Oenothera deltoides* ssp. *howellii*
Mason's lilaeopsis	*Lilaeopsis masonii*
Central Valley fall/late fall-run chinook salmon ESU	*Oncorhynchus tshawytscha* (fr)
Suisun ornate shrew	*Sorex ornatus sinuosus*
San Pablo song sparrow	*Melospiza melodia samuelis*
Suisun song sparrow	*Melospiz melodia maxillaris*
Green sturgeon	*Acipenser medirostris*
Longfin smelt	*Spirinchus thaleichthys*
Suisun Marsh aster	*Aster lentus*

Specific geographic areas of near term focus include:

m. Sacramento River and;
n. Battle Creek
o. Butte Creek
p. Clear Creek

X. Priorities Located in Regional Water Board 8	**Priorities**
	q. Deer Creek r. Yolo Bypass s. San Joaquin River and; t. Cosumnes River u. Tuolumne River v. Merced River w. North Delta x. Suisun Marsh and Bay y. San Pablo Bay, including the Napa and Petaluma rivers and local creeks 9. Levee System Integrity Element Summary Short term objectives and priorities for the next 3-5 years *Levee System Integrity Element overall objectives:* a. Improve levees to a higher standard for greater flood protection b. Improve emergency response capabilities c. Ensure levee maintenance and habitat needs are met d. Improve coordination of permit processes e. Develop adequate and reliable funding for levee maintenance *Near term priorities* f. Provide Base Level Protection – Base level protection includes actions to understand and reduce the risk of catastrophic levee failure. These actions provide funding to help levee maintaining agencies preserve existing levees, and reconstruct all Delta levees to the PL84-99 Delta specific standard.

X. Priorities Located in Regional Water Board 8	Priorities
	g. Special Improvement Projects – Special Improvement Project actions are those that will enhance flood protection beyond base level protection for certain islands protecting public benefits such as water quality, life and personal property, agricultural production, cultural resources, recreation, the ecosystem and local and statewide infrastructure. There is no action proposed under this portion of the program until accomplishing base level protection on the critical islands. h. Levee Subsidence Control Plan – These are actions to develop best management practices to minimize the risk to levee integrity from land subsidence. i. Emergency Management and Response - Emergency Management and Response actions are targeted to enhance the existing emergency management response capability of local, State, and Federal agencies to rapidly respond to levee emergencies. *Specific geographic areas of near term focus include:* **j.** San Joaquin-Sacramento River Delta region **10.** <u>CALFED</u> Watershed Program Goals and Objectives a. Broaden participation in watershed partnerships to improve community capacity to manage watersheds and achieve desired conditions. b. Encourage more communities to become involved in watershed management and assist with achieving goals of the Bay-Delta Program. c. Advance the application of science among watershed partnerships through education, and improved tools and information. d. Foster and support strategies to ensure long-term sustainability of watershed activities. e. Maintain and enhance the communication network among the watershed stakeholders to ensure continued information exchange and collaboration. f. Integrate Watershed Program implementation with the other CALFED program elements with emphasis

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X. Priorities Located in Regional Water Board 8	**Priorities**
	on Water Use Efficiency and Ecosystem Restoration and Drinking Water Quality to ensure that the benefits of local stewardship are more fully realized and each program's effectiveness is enhanced. g. Align activities of agencies, the CALFED Watershed Program and other entities to achieve mutual objectives and to enhance the ability of the implementing and cooperating agencies to manage the Watershed Program.

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X. Priorities Located in Regional Water Board 8	Priorities
Department Boating and Waterways (Agency ID: DBW)	1. Development of Decision Support Systems(DSS) utilizing the GIS database under development by the Coastal Sediment Management Workgroup (comprised of the Resources Agency, SCC, CA Coastal Commission, Department of Fish and Game, U.S. Army Corps of Engineers and NOAA) to develop a suite of tools to assist coastal managers, engineers and regulators in making sound regional-based decisions regarding beneficial reuse of sediment in an environmental responsible manner through the development and implementing a the CA Sediment Master Plan (SMP). 2. Project to designate and permit two new nearshore /onshore sites to beneficially reuse acceptable dredge material to renourish sediment impaired (coastal erosion hotspots with a lack of natural sediment) areas. Ventura and Santa Barbara Counties are the two likely targets areas for this project. 3. Detailed monitoring to characterize the affects and impacts of turbidity in nearshore waters derived from a beach restoration project to provide the scientific basis to develop clear and effective water quality and TMDL permit guidelines for future projects. The project location is subject to the availability of a viable and study-worthy restoration project in southern California.
Department of Conservation (Agency ID: DOC)	1. Continue and expand the watershed coordinator grant program statewide with the goal of creating an environment that encourages Watershed Coordinators to collaborate, cooperate and work with diverse stakeholders to build local capacity to implement watershed improvement projects. 2. Assessment of Abandoned Mines in order to map, analyze and remediate abandoned mines with chemical hazards including: i. Water sampling/ monitoring upstream and downstream of abandoned mines. j. Biological sampling for toxicity k. Rock and soil sampling and analysis l. Research historical records m. Plant community studies on and around abandoned mine lands. n. Ground/aerial mapping abandoned mines using GPS. o. Geologic mapping of abandoned mines

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X. Priorities Located in Regional Water Board 8	**Priorities**
	p. Statistical data analysis 3. Remediation of acid rock drainage or other chemical hazards discharging into impacted waterways (303d listed) from abandoned mines.

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X. Priorities Located in Regional Water Board 8	**Priorities**
California Coastal Commission (Agency ID: CCC)	The Critical Coastal Areas (CCA) Program is designed to identify coastal areas where water quality is threatened or impacted by new or expanding development and to accelerate the implementation of California's Nonpoint Source (NPS) Program Plan so that water quality is protected or restored. Of the 101 coastal areas identified by the CCA program the areas listed below are the highest priority based on existing water quality conditions, value and sensitivity of coastal resources, new or expanding threats to beneficial uses, and degree of local support for watershed-based planning efforts. Priority work in each of these watersheds is to complete watershed-based plans that assess sources of water quality impairment, threats to water quality from new and expanding development, status of NPS management measure implementation (see the California NPS Plan) and estimations of impervious surface area, drainage density and waste loading under current and planned conditions. Plans should identify appropriate actions to protect or restore coastal waters including but not limited to implementation of source control, site design and treatment control BMPs, application of all appropriate NPS management measures and development of land use regulations that protect coastal water quality. 1. Upper Newport Bay 2. Newport Beach Marine Life Refuge 3. Irvine Coast Marine Life Refuge
California Department of Forestry (Agency ID: CDF)	**Please note:** Applicants proposing to do projects in State Forest land must partner with CDF and provide State Water Board with a letter from CDF acknowledging the partnership. **1. Vegetation Management (Fire and Fuels Reductions)** a. Projects that assess fuel conditions in a watershed identify for Fuel Reduction needs, especially, projects or plans that aim to reduce the risk and impact of high severity fires on watershed health (i.e. water quality, water quantity…) and wildlife habitat.

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X. Priorities Located in Regional Water Board 8	Priorities
	b. Projects aimed at reducing fuel loads through Vegetation Management (i.e. controlled burns, vegetation / brush removal…) in high-risk areas. c. Projects that assess vegetation conditions, identify the extent of Invasive exotic plant species, provide and implement a plan for removal. d. Where appropriate plans and projects should be coordinated with existing Fire Safe Councils and community based Fire Plans (http://www.firesafecouncil.org/). e. Projects that offer technical assistance to landowners to undertake hazardous fuels reduction. **2. Sediment** a. Development and implementation of Road Management Plans to achieve long term reductions in road-related sediment in forested landscapes. b. Projects that implement priorities from existing sediment TMDLs. 3. **Monitoring**[ck7] to evaluate the effectiveness of mitigation measures that are designed to reduce sediment loads or evaluate the impact of management practices on stream temperature. 4. **Canopy Conditions -** Inventory and evaluate the adequacy of riparian buffer zones to provide shade for stream channels. Implement management practices that promote the development and restoration of riparian vegetation that provides stream shade in existing temperature TMDLs. 5. **Large Woody Debris -** Assessment of riparian vegetation and in-stream large woody debris. Develop and implement management plans that will provide for both short and long-term recruitment of LWD to stream channels. a. In the North Coast region projects should be consistent with "High Priorities" that have been identified under the DFG Coho Recovery Plan (www.dfg.ca.gov/nafwb/fishgrant.html). b. Projects that coordinate the implementation of the Forest Practices Act and the Coho Recovery Strategy. **6. Land Conversion -** Prepare and implement Community Development Plans that promote the preservation of economically sustainable forest and range lands and discourage land conversion to residential or commercial development.

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X. Priorities Located in Regional Water Board 8	**Priorities**
	7. **Timber Management**- Projects that coordinate timber management permitting between CDF and other agencies to promote high-quality forest management and provide regulatory relief and incentives for non-industrial forest landowners.

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PRIORITIES LOCATED IN REGIONAL WATER BOARD 9

Applicants must identify priorities that their project will address using the following format:
Region Number_AgencyID_PriorityNumber and letter (if applicable) Example: R9_DWR_5a

XI. Priorities Located in Regional Water Board 9	**Priorities**
State Water Resources Control Board (Agency ID: SWRCB)	**State Water Board <u>General</u> Priorities:** 1. Projects that include the development of a Hydrologic Model that will predict unimpaired flows in streams throughout California. The initial focus should be on the Russian River and its tributaries. The model should be capable of adding impairments (water diversions and use, instream flow requirements etc. for the determination if there is water available for appropriation. 2. Projects that include the development of a geographic information system (GIS) that identifies the location of dams and reservoirs on topographic maps. The layers should include all known water diversions, locations of sensitive fish and wildlife habitat. A layer should provide the location of sensitive fish and wildlife habitat. A layer should provide the location of stream reaches that have water right permit of license minimum instream flow requirements. Layers should also identify the location of fully appropriated streams, and designated wild and scenic rivers. 3. Projects to develop and test rapid indicators that detect bacterial contamination in a rapid and cost efficient manner. Projects must be designed to help meet the need for a fast, reliable, accurate and inexpensive way to test beach water quality. 4. Projects to conduct epidemiology studies to better understand and develop methods to monitor the risk of swimming at non-point source contaminated beaches. The need for, and prioritization of, mitigation actions at beach with high bacterial counts is dependent on a better understanding of the relationship between these indicators and health risk. Epidemiology studies should include efforts to associate the incidence of health effects with rapid indicators and new indicators. 5. Projects to develop new quantifiable, accurate and relatively inexpensive indicators: preferably those indicators that are actually human pathogens. The new indicators need to be tied to epidemiology study results to ensure that they are indeed quantifying health risk and must useable by most environmental microbiology labs. 6. Projects to develop Source and test Tracking tools, which are a requirement under Assembly Bill 538 (Statutes 1999, Chapter 488), to help environmental health managers identify sources of fecal contamination. 7. Projects to evaluate the effectiveness of best management practices (BMPs) such as circulation

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XI. Priorities Located in Regional Water Board 9	**Priorities**
	enhancements, treatment wetlands, some end of pipe treatment package plants, antibacterial filter materials, and treatment wetlands. A focused investigation of BMP effectiveness of projects to improve circulation needs to be done in order to determine the best approach to improve enclosed beach water quality and protect human health. 8. Projects to improve understanding of and the ability to monitor bacterial Transport Mechanisms, including Bacterial magnification and regrowth. **State Water Board <u>Ocean Protection Project</u> Priorities:** *These priorities, along with the priorities identified by the Ocean Protection Council, must be met in order to apply for the $10 million of the Coastal Nonpoint Source Pollution Control Program funds devoted to ocean protection projects.* 9. A project to complete the development, validation, assistance in certification, and implementation of Rapid Indicators of beach pathogen contamination. (Rapid Indicators is a statewide priority.) 10. Projects to implement control strategies, and to eliminate nonpoint source (NPS) discharges to areas of special biological significance (ASBS) and their adjacent Critical Coastal Areas (CCAs).

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XI. Priorities Located in Regional Water Board 9	**Priorities**
Regional Water Quality Control Board 1 (Agency ID: RWQCB 9	**REGIONAL WATER BOARD 9**

Regional Priorities

No.	Priority
1.	Projects or programs that will protect and restore water quality and beneficial uses by reducing bacteria levels in water bodies in the region through source identification and control at the source.
2.	Projects and programs that protect and restore beneficial uses by preventing the introduction and spread of exotic invasive species, controlling and eradicating such species, and re-establishing native species.
3.	Projects or programs that will protect and restore water quality and beneficial uses by implementing management measures or management practices to improve cultivation and irrigation practices to reduce the use of water, fertilizers, and pesticides and to control runoff, erosion, and pollution.
4.	Projects and programs that protect and restore beneficial uses by implementing watershed-based plans for protection and restoration of watersheds, wetlands, and waterways.
5.	Projects or programs that implement an ambient water quality monitoring and assessment program to quantitatively assess the chemical, biological, and physical integrity of waters in the San Diego Region on a multi-watershed or regional scale.

Targeted Priorities

No.	Priority
6.	A monitoring and assessment project that will perform a region-wide periphyton assessment and develop a regional Periphyton Index of Biotic Integrity.
7.	Planning or implementation projects to control flooding, mitigate channel incision, and restore riparian habitat and floodplains in Laguna Canyon creek in San Juan Hydrologic Sub Area 901.11.
8.	Project to control erosion, mitigate channel incision and flooding, and restore riparian habitats in Aliso Creek in the San Juan Hydrologic Sub Area 901.13.

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XI. Priorities Located in Regional Water Board 9	Priorities	
	9.	Projects or programs to reduce trash in the San Juan Hydrologic Unit through source control.
	10.	Projects or programs to measurably reduce nutrient concentrations in the Santa Margarita River watershed through source control.
	11.	Projects or programs to control erosion and sediment transport from the upper Santa Margarita River watersheds to reduce siltation along the Santa Margarita River system.
	12.	Projects or programs to measurably reduce TDS in the San Luis Rey River watershed through source control.
	13.	Projects to protect, enhance, or restore riparian corridors and wetlands in the Carlsbad Hydrologic Unit and improve flood control through “day-lighting” of underground culverts, removal of impervious concrete or riprap channel lining, and implementation of management measures to improve water quality while maintaining and/or improving the existing level of flood protection.
	14.	Projects or programs to measurably reduce pesticides in the Carlsbad Hydrologic Unit surface waters through source control.
	15.	Projects or programs to measurably reduce sedimentation/siltation in Agua Hedionda Lagoon through source control or structural management measures.
	16.	Projects or programs to implement structural treatment management measures and effective source control measures to protect and enhance to protect the lagoons, sloughs, and coastal waters of the Carlsbad Hydrologic Unit.
	17.	Projects or plans to implement management measures or practices to restore or enhance waterways or wetlands to control flooding, improve assimilative capacity to reduce nutrient concentrations, and/or reduce sedimentation or erosion through source control or structural management measures in the San Dieguito watershed.
	18.	Projects or programs to implement erosion control measures for areas tributary to Los Penasquitos lagoon.
	19.	Projects or programs to restore waterways and improve flood control in the Los Penasquitos Hydrologic Unit through “day-lighting” of underground culverts, removal of impervious concrete or riprap channel

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		lining, and implementation of management measures to improve water quality while maintaining and/or improving the existing level of flood protection.
	20.	Acquisition of land to protect riparian corridors, wetlands, or municipal drinking water supply reservoirs in the San Diego River watershed.
	21.	Projects or programs to measurably reduce nutrients in the San Diego River watershed through source control.
	22.	Projects or programs to measurably reduce TDS levels in the San Diego River watershed through source control.
	23.	Projects or programs to implement the Chollas Creek TMDL to measurably reduce ambient metals (copper, lead, and zinc) concentrations in Chollas Creek and the San Diego Bay watershed through source control.
	24.	Projects or programs to implement the Chollas Creek TMDL to measurably reduce diazinon and chlorpyrifos concentrations in Chollas Creek and the San Diego Bay watershed through source control.
	25.	Projects or programs to measurably reduce trash in the San Diego Bay watersheds through source control.
	26.	Projects or programs to restore waterways and improve flood control in the San Diego River watershed through “day-lighting” of underground culverts, removal of impervious concrete or riprap channel lining, and implementation of management measures to improve water quality while maintaining and/or improving the existing level of flood protection.
	27.	Projects or studies to enhance or restore the hydrologic and water quality functions and values of the Otay River and its floodplain between Lower Otay Reservoir and San Diego Bay through the removal of levees and other floodplain/river restrictions.
	28.	Acquisition of land to protect riparian corridors, wetlands, or municipal drinking waters supply reservoirs in the upper Otay River watershed.
	29.	Projects or programs in San Diego Bay to demonstrate the efficacy and longevity of available non-toxic and less-toxic boat hull coating products for coastal waters.

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XI. Priorities Located in Regional Water Board 9	Priorities	
	30.	Projects or programs to implement management practices or management measures to protect water quality and beneficial uses in the Tijuana River National Estuary Research Reserve Critical Coastal Area through planning, source identification, or control.

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XI. Priorities Located in Regional Water Board 9	**Priorities**
Department of Health Services (Agency ID: DHS)	1. Priorities are identified in Appendix A of the Department of Health Services (DHS) Proposition 50 Water Security, clean Drinking Water, Coastal and Beach Protection Act of 2002 (Section79500 et seq.) which is available at the following website: http://www.dhs.ca.gov/ps/ddwem/Prop50/pdfs/CriteriaforChapters3and4-FINAL.pdf. Projects that fit categories A-G are identified as priorities.
Resources Agency (Agency ID: Resources Agency)	1. Projects that will develop, identify, and use appropriate new indicators or identify and use existing indicators for assessments and monitoring of watershed health.
Department of Fish and Game (Agency ID: DFG)	Implement Priority 5 actions identified in the Steelhead Trout Management Tasks Search Website (http://www.dfg.ca.gov/nafwb/steelhead_tasks.asp?show_instructions=1&huname=+3304.&haname=&hsaname=&calwnum=+3304.&high_priority=1&submit=Submit) in the following HUs: 1. Carlsbad 2. Otay 3. Penasquitos 4. Pueblo San Diego 5. San Diego 6. San Diego Bay 7. San Dieguito 8. San Juan 9. San Luis Rey 10. Santa Margarita 11. South Bay 12. South Coast 13. Sweetwater 14. Tijuana
Department of Parks and Recreation (Agency	The Department of Parks and Recreation (DPR) Watersheds listed below are representative of each ecoregion's special physical and biological characteristics. DPR's priorities include watershed assessment, management, planning, implementation, and improvement in watersheds that exhibit high quality characteristics where DPR has

XI. Priorities Located in Regional Water Board 9	Priorities
ID: DPR)	ownership and management responsibility. There are many additional DPR watersheds that exhibit high quality characteristics and are also worthy of support. **Please note:** All applicants proposing to do projects on State Park System lands must partner with DPR and provide State Water Resources Control Board with a letter (or official communication) from DPR acknowledging the partnership and endorsing the proposed project. Contact Syd Brown, Natural Resources Division, California Department of Parks and Recreation at sbrow@parks.ca.gov or 916-653-9930 for specifics. **DPR Representative Watersheds** 1. **(Upper) Sweetwater River watershed, C**uyamaca Rancho State Park (SP), San Diego County
State Coastal Conservancy (Agency ID: SCC)	1. Projects which enhance summertime stream flows in coastal watersheds. 2. Project which implement Watershed Enhancement Plans developed jointly by watershed groups and the State Coastal Conservancy (SCC). 3. Completion of fish passage barrier removal projects that benefit listed salmon and steelhead stocks. 4. Acquisition of conservation easements that result in the permanent dedication of in-stream flows for salmonid habitat protection. 5. Surface agricultural return flows are returns from water applied to irrigated land, including, but is not limited to, land planted to row, field and tree crops as well as commercial nurseries, nursery stock production, managed wetlands. 6. Installation, operation, and assessment of the efficacy of infrastructure and/or use and assessment of the efficacy of management practices that results in the measurable reduction of stormwater runoff of sediment and pesticides in watershed tributaries. 7. Projects which support capacity to establish and implement locally directed watershed management programs: i.e. programs which include watershed assessments, development of watershed management plans, establish watershed data management capacity, implementation of watershed management plans, community watershed

XI. Priorities Located in Regional Water Board 9	Priorities
	education, and watershed monitoring within the watershed. 8. Projects in a watershed, including the San Francisco Bay, which increase the amount of wetlands that are designed and managed to maximize beneficial uses while minimizing detrimental effects. 9. Projects in a Coastal Watershed that assess the effects of contaminants on aquatic species and develops and implements management projects, including demonstration projects. 10. Projects that assess and address groundwater impacts due to nitrates from confined animal or onsite disposal systems within a watershed. 11. Projects that create, sustain, and/or increase local capacity to plan and implement the targeted projects including projects that provide technical and financial capacity, such as re-granting programs, to newer or smaller stakeholders so that they will eventually be able to plan and implement targeted projects 12. Support similar recovery of at-risk native species in San Francisco Bay and the watershed above the estuary; and minimize the need for future endangered species listings by reversing downward population trends of native species that are not listed. 13. Support projects that rehabilitate natural processes in the Bay and urban watersheds. 14. Continue and expand the watershed coordinator grant program statewide with the goal of creating an environment that encourages watershed Coordinators to collaborate, cooperate and work with diverse stakeholders to build local capacity to implement watershed improvement projects. 15. Projects that implement priorities from existing sediment TMDLs. 16. Monitoring to evaluate the effectiveness of mitigation measures that are designed to reduce sediment loads or evaluate the impact of management practices on stream temperature. 17. Inventory and evaluate the adequacy of riparian buffer zones to provide shade for stream channels. 18. Implement management practices that promote the development and restoration of riparian vegetation that provides stream shade in existing temperature TMDLs. 19. Projects that restore and protect wetlands, riparian and other sensitive aquatic habitats. 20. Improve stakeholder outreach and education (including Grades K-12), and public participation in water quality decisions.

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	21. Projects that develop or improve water management plans, to address water quality/quantity and related issues within a watershed, across-watershed, or regional basis. 22. Projects that integrate surface and groundwater quality improvement activities while promoting collaborative and cooperative efforts within a watershed, cross-watershed or regional context. 23. Improve coordination of land use planning and water management through applying watershed management strategies. 24. Improve water supply reliability through conjunctive use programs and integration of flood management with water supply management. 25. Improved ecological function of floodplains and stream corridors. 26. Projects that include operations and maintenance for multiple years for stream gauge stations. 27. Southern California arundo control; San Diego River

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XI. Priorities Located in Regional Water Board 9	**Priorities**
Ocean Protection Council (Agency ID: OPC)	These Guidelines adopt the State Water Board priorities for ocean protection projects. It is anticipated that the Ocean Protection Council (OPC) will adopt their ocean protection project priorities for the 2005-06 Consolidated Grants Program at their January 13, 2006 meeting. Once adopted by the OPC, their priorities will be posted on the State Water Board's website at: http://www.waterboards.ca.gov/funding/consolidgrants0506.html
Department of Water Resources (Agency ID: DWR)	**General Priorities** 1. Improved coordination of land use planning and water management through applying watershed management strategies within Integrated Regional Water Management planning and implementation efforts. 2. Improve water supply reliability through conjunctive use programs and integration of flood management with water supply management. 3. Improved ecological function of floodplains and stream corridors. 4. Assist newly formed (within last 5 years) Resource Conservation Districts (RCDs) with capacity building for restoration, stewardship, and water management, e.g. NRCD **Watershed Specific Priorities** 5. Projects that include operations and maintenance for multiple years for the following stream gauging stations: a. 11022480 San Diego River at Mast Road near Santee b. 11023340 Los Penasquitos Creek near Poway 6. Support or establish regional technical assistance and stewardship group coordination in the Sacramento Valley, San Joaquin Valley, Tulare basin, and Southern California from Santa Monica Bay to the Mexican border. 7. Improve stream habitat, water quality and reduce flood damage threats in the Tijuana R and estuary.
California Bay Delta Authority (Agency ID: CALFED)	Not Appliable
Department	1. Development of Decision Support Systems(DSS) utilizing the GIS database under development by the Coastal

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Boating and Waterways (Agency ID: DBW)	Sediment Management Workgroup (comprised of the Resources Agency, SCC, CA Coastal Commission, Department of Fish and Game, U.S. Army Corps of Engineers and NOAA) to develop a suite of tools to assist coastal managers, engineers and regulators in making sound regional-based decisions regarding beneficial reuse of sediment in an environmental responsible manner through the development and implementing a the CA Sediment Master Plan (SMP). 2. Project to designate and permit two new nearshore /onshore sites to beneficially reuse acceptable dredge material to renourish sediment impaired (coastal erosion hotspots with a lack of natural sediment) areas. Ventura and Santa Barbara Counties are the two likely targets areas for this project. 3. Detailed monitoring to characterize the affects and impacts of turbidity in nearshore waters derived from a beach restoration project to provide the scientific basis to develop clear and effective water quality and TMDL permit guidelines for future projects. The project location is subject to the availability of a viable and study-worthy restoration project in southern California.
Department of Conservation (Agency ID: DOC)	1. Continue and expand the watershed coordinator grant program statewide with the goal of creating an environment that encourages Watershed Coordinators to collaborate, cooperate and work with diverse stakeholders to build local capacity to implement watershed improvement projects. 2. Assessment of Abandoned Mines in order to map, analyze and remediate abandoned mines with chemical hazards including: a. Water sampling/ monitoring upstream and downstream of abandoned mines. b. Biological sampling for toxicity c. Rock and soil sampling and analysis d. Research historical records e. Plant community studies on and around abandoned mine lands. f. Ground/aerial mapping abandoned mines using GPS. g. Geologic mapping of abandoned mines h. Statistical data analysis 3. Remediation of acid rock drainage or other chemical hazards discharging into impacted waterways (303d

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	listed) from abandoned mines.

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California Coastal Commission (Agency ID: CCC)	The Critical Coastal Areas (CCA) Program is designed to identify coastal areas where water quality is threatened or impacted by new or expanding development and to accelerate the implementation of California's Nonpoint Source (NPS) Program Plan so that water quality is protected or restored. Of the 101 coastal areas identified by the CCA program the areas listed below are the highest priority based on existing water quality conditions, value and sensitivity of coastal resources, new or expanding threats to beneficial uses, and degree of local support for watershed-based planning efforts. Priority work in each of these watersheds is to complete watershed-based plans that assess sources of water quality impairment, threats to water quality from new and expanding development, status of NPS management measure implementation (see the California NPS Plan) and estimations of impervious surface area, drainage density and waste loading under current and planned conditions. Plans should identify appropriate actions to protect or restore coastal waters including but not limited to implementation of source control, site design and treatment control BMPs, application of all appropriate NPS management measures and development of land use regulations that protect coastal water quality. **1. Irvine Coast Marine Life Refuge** **2. Heisler Park Ecological Reserve** **3. San Juan Creek** **4. San Elijo Lagoon** **5. Los Penasquitos Lagoon** **6. San Diego-La Jolla Ecological Reserve** **7. San Diego Marine Life Refuge** **8. Tijuana River Estuary (NERR)**
California	**Please note:** Applicants proposing to do projects in State Forest land must partner with CDF and provide State Water

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Department of Forestry (Agency ID: CDF)	Board with a letter from CDF acknowledging the partnership. **1. Vegetation Management (Fire and Fuels Reductions)** a. Projects that assess fuel conditions in a watershed identify for Fuel Reduction needs, especially, projects or plans that aim to reduce the risk and impact of high severity fires on watershed health (i.e. water quality, water quantity…) and wildlife habitat. b. Projects aimed at reducing fuel loads through Vegetation Management (i.e. controlled burns, vegetation / brush removal…) in high-risk areas. c. Projects that assess vegetation conditions, identify the extent of Invasive exotic plant species, provide and implement a plan for removal. d. Where appropriate plans and projects should be coordinated with existing Fire Safe Councils and community based Fire Plans (http://www.firesafecouncil.org/). e. Projects that offer technical assistance to landowners to undertake hazardous fuels reduction. **2. Sediment** a. Development and implementation of Road Management Plans to achieve long term reductions in road-related sediment in forested landscapes. b. Projects that implement priorities from existing sediment TMDLs. 3. **Monitoring**[ck8] to evaluate the effectiveness of mitigation measures that are designed to reduce sediment loads or evaluate the impact of management practices on stream temperature. 4. **Canopy Conditions -** Inventory and evaluate the adequacy of riparian buffer zones to provide shade for stream channels. Implement management practices that promote the development and restoration of riparian vegetation that provides stream shade in existing temperature TMDLs. 5. **Large Woody Debris -** Assessment of riparian vegetation and in-stream large woody debris. Develop and implement management plans that will provide for both short and long-term recruitment of LWD to stream channels. a. In the North Coast region projects should be consistent with "High Priorities" that have been identified under the DFG Coho Recovery Plan (www.dfg.ca.gov/nafwb/fishgrant.html).

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	b. Projects that coordinate the implementation of the Forest Practices Act and the Coho Recovery Strategy. 6. **Land Conversion -** Prepare and implement Community Development Plans that promote the preservation of economically sustainable forest and range lands and discourage land conversion to residential or commercial development. 7. **Timber Management**- Projects that coordinate timber management permitting between CDF and other agencies to promote high-quality forest management and provide regulatory relief and incentives for non-industrial forest landowners.