

**CALFED Bay-Delta Program Suggested Projects for 1996 Funding by Category III**

<b>LOCATION</b>	<b>AMOUNT</b>	<b>PRIORITY</b>
1. Fund a grant program to assist established conservancies to develop or complete stream restoration or watershed management plans.	\$ 500,000	Support - High Priority
<b>BATTLE CREEK</b>		
1. Install fish screen and ladder at Eagle Canyon Diversion Dam.	\$ 700,000	Support - High Priority
2. Restore and replenish spawning gravel in the North Fork.	\$ 100,000	
3. Negotiate and fund a perpetual instream flow agreement with Pacific Gas & Electric Company.	\$ 2,000,000	Support - High Priority
4. Prepare an options, feasibility analysis for additional fish screens and ladders and a flow allocation methodology.	\$ 250,000	Support - High Priority
5. Evaluate options to provide an isolated water supply for Coleman National Fish Hatchery.	\$ 10,000	Support - High Priority
<b>TOTAL</b>	\$ 2,360,000	
<b>ANTELOPE CREEK</b>		
1. Conduct an options, feasibility and engineering analysis of fish passage problems and habitat restoration opportunities.	\$ 250,000	Support - High Priority
<b>BIG CHICO CREEK</b>		
1. Reconstruct existing water control structure at Lindo Channel.	\$ 100,000	Support - High Priority
2. Replace fish ladders at Iron Canyon and One Mile Pool.	\$ 200,000	Support - Iron Canyon - High Priority One Mile Pool - Low Priority
3. Replace fish ladders at Iron Canyon and One Mile Pool.	\$ 150,000	
4. Expand monitoring for genetic integrity, population levels, escapement and outmigration success.		High Priority
5. Increase warden efforts to deter poaching during critical times.		
<b>TOTAL</b>	\$ 450,000	

LOCATION	AMOUNT	PRIORITY
<b>BUTTE CREEK</b>		
1. Complete construction of fish screens and ladder at Durham-Mutual Dam.	\$ 30,000	Support - High Priority
2. Construct fish screen and fish ladder at Adams Dam.	\$ 935,000	Support - High Priority
3. Construct fish screen and fish ladder at Gorrill Dam.	\$ 935,000	Support - High Priority
4. Cost share removal of Western Canal Company Dam and institution of siphon across Butte Creek.	\$ 2,739,000	Approved by Steering Committee
5. Construct fish screen and ladder at the White Mallard diversion.	\$ 300,000	Include in Item 10
6. Purchase screened portable pumps as alternative to Little Dry Creek Division.	\$ 100,000	Low Priority
7. Purchase screened portable pumps as alternative to Little Dry Creek Diversion.	\$ 200,000	Support - High Priority
8. Conduct stream channel and habitat restoration below Durham-Mutual Dam.	\$ 10,000	Include in Item 10
9. Reconstruct culvert and riser at Drumheller Slough outfall.	\$ 10,000	Include in Item 10
10. Conduct site survey and prepare options and engineering analysis for the remaining 12 diversions' structures along lower Butte Creek.	\$ 100,000	Support - High Priority
11. Evaluate habitat above barrier falls at Chimney Peak.	\$ 100,000	
<b>TOTAL</b>	\$ 5,459,000	
<b>CLEAR CREEK</b>		
1. Fund title search and escrow preparation for Bureau of Land Management land exchange above Saeltzer Dam.	\$ 10,000	Completed
2. Conduct options analysis and design engineering for fish passage at Saeltzer Dam.	\$ 750,000	Support - High Priority
3. Water temperature and pilot flow study.		Low Priority
4. Land use ecosystem control for channel maintenance.		
<b>TOTAL</b>	\$ 760,000	

LOCATION	AMOUNT	PRIORITY
<b>YUBA RIVER</b>		
1. Construct fish screen at Browns Valley Irrigation District Diversion.	\$ 275,000	Low Priority
2. Construct fish screen, fish ladder and dam modifications at Daguerre Point Dam.	\$ 4,700,000	Low Priority
<b>TOTAL</b>	<b>\$ 4,975,000</b>	
<b>SACRAMENTO -SAN JOAQUIN DELTA</b>		
1. Cost share habitat restoration on Prospect Island.	\$ 2,500,000	Approved by Steering Committee
2. Conduct an interdisciplinary evaluation of breached dike wetland recovery sites in the Delta and upper estuary.	\$ 350,000	Support
3. Conduct an analysis of stock identification and life-history success of Chinook Salmon through the use of scale and otolith microstructure analysis.	\$ 275,000	Support
4. Partial cost share and analysis of the feasibility of restoring shaded riverine habitat along the lower Sacramento River.	\$ 300,000	
5. <i>Solicit proposals to evaluate migratory cures for out-migrating salmon in the Delta. Also wanted policy support for data collection on direction and magnitude of flows in Delta channels to validate models.</i>		
6. <i>Solicit proposals to evaluate toxic impact of ambient water in a sequential fashion on (1) survival of salmon using bioassay techniques; (2) growth rates and other chronic endpoints, and (3) ecological processes, especially toxicity to important prey species.</i>		
7. <i>As part of rearing habitat, evaluate hypothesis that this type of habitat would protect juvenile salmon from predation and would not concentrate predators.</i>		
8. <i>Unscreened diversions in Suisun Marsh.</i>		High Priority
9. <i>Solicit proposals for rearing habitat restoration in the Delta, especially in the north Delta, with a strong preference given to projects that allow for experimentation to assess effectiveness of different restoration techniques and methods.</i>		
10. <i>Solicit proposals to inventory existing rearing habitats in the Delta and determine the relative benefits associated with different restoration techniques and methods.</i>		

LOCATION	AMOUNT	PRIORITY
11. <i>Solicit proposals to develop techniques to identify different races of salmon.</i>		
12. <i>Solicit proposals to characterize Yolo bypass as rearing habitat and potential benefits and negatives of fish using this area and to evaluate actions that would be needed to reduce stranding.</i>		
13. <i>Verify assumption that incidental harvest is not major factor.</i>		
14. <i>Solicit proposals to develop passage for adults out of DWSC.</i>		
<b>TOTAL</b>	\$18,084,000	
<b>MILL AND DEER CREEKS</b>		
1. <i>Evaluation for additional water exchange to ensure passage during critical migration periods.</i>		<i>High Priority</i>
2. <i>Contingency Plan for spills on Highway 32.</i>		<i>High Priority</i>
3. <i>Reoperation at Clough Dam. Revisit next year.</i>		
4. <i>Flow measurements on Mill Creek to improve water exchange operations.</i>	\$ 20,000	
5. <i>Convert diesel pumps to electric and get project power for exchange pumps on Mill and Deer Creeks.</i>	\$ 50-75,000 -Mill Creek \$200,000 -Deer Creek	
<b>TOTAL</b>	\$70-95,000 -Mill Creek \$ 200,000 - Deer Creek	
<b>FEATHER RIVER</b>		
1. <i>Genetic analysis</i>		<i>High Priority</i>
2. <i>Special warden program. Check to make sure DBEEP still covering.</i>		
3. <i>Evaluation and modification of hatchery practices at Feather River hatchery to ensure appropriate identification of spring and fall run fish.</i>		<i>High Priority</i>

LOCATION	AMOUNT	PRIORITY
<b>TOTAL</b>		
<b>SACRAMENTO RIVER</b>		
1. <i>Feasibility analysis of solutions to straying at DWSC, Sutter bypass, Colusa Basin Drain, and Yolo bypass.</i>		
2. <i>Options analysis at Wards Landing to improve fish passage.</i>		
3. <i>Flow measurement at Sutter bypass.</i>		
4. <i>Ensure continued funding of efforts to resolve passage at Red Bluff Diversion Dam.</i>		
5. <i>Evaluate ACID issues such as genetics above, viability of managing for in-river production, and gravel supply issues.</i>		
6. <i>Evaluate incidental catch in July.</i>		
7. <i>Rearing habitat.</i>		
8. <i>Iron Mountain - no actions needed by Category III.</i>		
9. <i>Ensure that on-going inventory of unscreened diversions gets done.</i>		
10. <i>Identify biological priorities based for screens identified in inventory and ensure that "safe harbor" and assurances are available and the O &amp; M costs are covered for new screens. Ideas are to have funding for cooperative efforts with users on these issues, challenge grants, give the inventory people a new jet boat, have design competitions for smaller screens, etc.</i>		
11. <i>Princeton pumping plant fish screen.</i>	\$6-7,000,000	<i>High Priority</i>
12. <i>RD 1008 pumping plant fish screen.</i>		<i>High Priority</i>
13. <i>Identify mechanism to acquire land for meander belts.</i>		
14. <i>Stream corridor mapping.</i>	\$ 150,000	<i>High Priority</i>
15. <i>Allow for conservancies to get funding for areas along mainstem.</i>		
<b>TOTAL</b>	\$ 6,150,000-7,150,000	