EXHIBIT A

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1.0 INTRODUCTION

The Cachuma Operation and Maintenance Board (COMB) and the Bureau of Reclamation (Reclamation) have prepared this Environmental Impact Report/Statement (EIR/EIS) to address various proposed management actions and projects to improve habitat conditions for the endangered southern steelhead and other aquatic species on the Santa Ynez River below Bradbury Dam in northern Santa Barbara County. The proposed management actions and projects were developed and/or identified in the following reports: (1) Lower Santa Ynez River Fish Management Plan (FMP) prepared by Reclamation and other agencies and parties involved in the Cachuma Project; and (2) Biological Opinion (BO) prepared by the NOAA Fisheries (formerly National Marine Fisheries Service) regarding the effect of the Cachuma Project operations on steelhead. Management actions in the FMP and BO are designed to improve habitat for the steelhead along the river downstream of Lake Cachuma through flow, habitat, and passage improvements. COMB and Reclamation would implement the actions through joint and separate, but coordinated, efforts over many years. For the convenience of the reader, the FMP and BO are referred to in this report as a single entity: "FMP/BO." The actions included in these reports are essentially the same, as described in Section 2.0.

COMB is the lead agency under the California Environmental Quality Act (CEQA) and Reclamation is the lead agency under the National Environmental Policy Act (NEPA). The EIR/EIS evaluates impacts of the proposed actions and alternatives, and identifies mitigation measures to reduce adverse impacts incidental to the environmental benefits of the FMP/BO actions. The analyses and conclusions in the EIR/EIS will be used by COMB and Reclamation when making final decisions about the implementation of the FMP/BO projects.

1.1 OVERVIEW OF CACHUMA PROJECT

The Cachuma Project consists of Bradbury Dam, Cachuma Lake, and various water conveyance facilities. The dam impounds water along the Santa Ynez River in northern Santa Barbara County (Figure 1-1). Reclamation constructed the project in the early 1950s. Water is provided to the Cachuma Project Member Units for irrigation, domestic, and municipal and industrial water uses. The current Member Units consist of the City of Santa Barbara, Goleta Water District, Montecito Water District, Carpinteria Valley Water District, and the Santa Ynez River Water Conservation District - Improvement District #1. Water is delivered to the South Coast Member Units through a tunnel in the Santa Ynez Mountains (Figure 1-2). Santa Ynez River Water Conservation District - Improvement District #1 receives its Cachuma Project entitlement as state water through an exchange agreement with the South Coast Member Units. Over the past 47 years, the project has been the principal water supply for South Coast communities and portions of the Santa Ynez Valley. Since the drought of 1987-91, the average annual deliveries from the project to the Member Units have been about 27,000 acre-feet per year.

TABLE 2-1
SUMMARY OF FMP/BO PROJECTS

	Included in the Fish Manage-ment Plan	Included in the Bio. Assessment and/or Bio. Opinion	Currently Being Implemented or has Been Completed	Requires Cooperation by Others	Current Level of Project Development and Design	Programmatic or Project Specific Impact Analysis
Releases For Fish						
1. Modified ramp-down schedule for water rights releases	X	X	Implemented beginning in July 2000		Fully developed	No impact (see Section 4.5)
2. Maintain interim rearing target flows by releases from active storage	X	X	Implemented in 2000		Fully developed	Project completed
3. Maintain long-term rearing target flows by releases after 3.0-foot surcharge	X	X			Fully developed	**Project**
4. Maintain residual pools in Alisal and Refugio reaches until 3.0 foot surcharge	X	X	Not yet required but will be implemented when needed		Fully developed	No impact (see Section 4.5)
5. 3.0-ft surcharge to develop water for Fish Passage Account and Adaptive Management Account	X	X			Fully developed	**Project**
6. Releases from Fish Passage Account after 3.0-foot surcharge	X	X			Fully developed	**Project**
7. Releases from the Adaptive Management Account after 3.0-foot surcharge	X	X			Fully developed	**Project**
Hilton Creek Projects						
8. Hilton Creek cascade and bedrock chute passage project	X	X			Preliminary cons. plans	**Project**
9. Hilton Creek channel extension	X	X			Concept plan only	Program
10. Route 154 culvert modifications	X	X		Caltrans project only	Preliminary cons. plans	**Project**
Passage Impediment Removal Projects						
11. Passage impediment on Highway 1 Bridge over Salsipuedes Creek	X	X	Completed in 2002		Fully developed	Project completed
12. Passage impediment on Jalama Road Bridge over Salsipuedes Creek	New		Completed in 2004	County access provided; cooperative	Fully developed	Project completed

	Included in the Fish Manage-ment Plan	Included in the Bio. Assessment and/or Bio. Opinion	Currently Being Implemented or has Been Completed	Requires Cooperation by Others	Current Level of Project Development and Design	Programmatic or Project Specific Impact Analysis
				landowner		
13. Quiota Creek passage impediment projects (3 crossings to be completed by County)	X			County access provided; cooperative landowner	Preliminary cons. plans	**Project**
14. Quiota Creek passage impediment projects (5 crossings not included in County plans)	X	X		County access provided; cooperative landowner	Preliminary cons. plans	**Project**
15. Passage impediment on El Jaro Creek (abandoned at-grade crossing)	X	X		County access provided; cooperative landowner	Concept only – site not examined yet	Program
16. Modification of culvert under Highway 101 along Nojoqui Creek **(will not be pursued due to infeasibility)**	X	X		Need Caltrans and private landowner	Determined to be infeasible; See Section 10.0 for basis of infeasibility	Not studied
17. Passage impediment due to Alisal Reservoir and dam **(will not be pursued due to infeasibility)**	X			Need landowner access	Determined to be infeasible; See Section 10.0 for basis of infeasibility	Not studied
18. Four passage impediments along San Miguelito Creek **(will not be pursued due to infeasibility)**	X			Unknown at this time	Determined to be infeasible. See Section 10.0 for basis of infeasibility	Not studied
19. Passage impediment on Nojoqui Creek (grade control structure)	New			Need landowner access	Concept only – site not examined yet	Program
Tributary and Mainstem Habitat Enhancements						
20. El Jaro Creek bank stabilization project	X	X	Completed in 2003	Cooperative Landowner	Fully developed	Project completed
21. Tributary habitat enhancements, including conservation easements	X	X		Need landowner cooperation	No plans yet	Program
22. Mainstem habitat enhancements	X	X		Need landowner cooperation	No plans yet	Program
Other Conservation Actions						
23. Fish rescues	X	X	Not yet required but	Private landowners in	Fully developed	No impact (see

	Included in the Fish Manage-ment Plan	Included in the Bio. Assessment and/or Bio. Opinion	Currently Being Implemented or has Been Completed	Requires Cooperation by Others	Current Level of Project Development and Design	Programmatic or Project Specific Impact Analysis
			will be implemented - when needed	some cases		Section 4.5)
24. Public Education	X	X	Ongoing		In progress	No impact (see Section 4.5)
25. Address genetic impacts of stocking the lake with non-local stock – create hatchery or use sterile fish for stocking **(determined to be infeasible)**	X				Determined to be infeasible in the FMP; See Section 10.0 for basis of infeasibility	Not studied in detail
26. Passage upstream of Bradbury Dam by fish ladder, passage channel, or trap and truck **(determined to be infeasible)**	X				Determined to be infeasible in the FMP; See Section 10.0 for basis of infeasibility	Not studied in detail
27. Passage downstream of Bradbury Dam by trap and truck of juveniles **(determined to be infeasible)**	X				Determined to be infeasible in the FMP; See Section 10.0 for basis of infeasibility	Not studied in detail
Other Actions						
28. Monitoring	X	X	Ongoing		Fully developed	No impact (see Section 4.5)

Note: Reclamation installed the first phase of the Hilton Creek Supplemental Watering System in 1999, and will install the second phase in 2004. This project is independent of the FMP/BO, and was mitigation for the Bradbury Dam Seismic Modification Project. However, the BO requires that Reclamation to maintain flows in lower Hilton Creek at levels no lower than 2 cfs once the pump system under Phase 2 of the Hilton Creek Supplemental Watering System has been installed, unless the AMC decides otherwise and NMFS approves.