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2 **BEFORE THE STATE WATER**  
3 **RESOURCES CONTROL BOARD**  
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6 In the Matter of the State Water Resources )  
7 Control Board (State Water Board) )  
8 Hearing to Determine whether to Adopt a )  
9 Draft Cease & Desist Order against )  
10 California American Water Regarding its )  
11 Diversion of Water from the Carmel River )  
12 in Monterey County under Order WR 95-10 )  
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Hearing Date: July 23 - 25, 2008

Carmel River in Monterey County

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15 **EXHIBIT MPWMD-LH20**

16 **MONTEREY PENINSULA WATER MANAGEMENT DISTRICT**  
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**RECOMMENDED ACTIVITIES TO BE CONSIDERED FOR MITIGATING THE EFFECTS OF CAW DIVERSIONS ON RIPARIAN VEGETATION AND CHANNEL STABILITY**

MPWMD Mitigation Program

1. Evaluate the feasibility of and schedule for using high volume overhead sprinkler irrigation along streambank areas in dewatered reaches. Implement a system for irrigating streambanks at the time a reach is dewatered.
2. Evaluate the feasibility of installing permanent irrigation systems in overbank (floodplain) areas located adjacent to dewatered channel areas. Implement a system for irrigating floodplain areas at the time a reach is dewatered.
3. Calibrate the existing sediment transport model of the Carmel River channel by developing a new digital terrain model (DTM). Compare the 2001 model developed by Mussetter Engineer, Inc. with a new DTM and determine the volume of sediment transported through the system since 2001. Develop channel modifications or a sediment management program to maintain the thalweg and channel bottom elevation in a condition that prevents further damage to public and private infrastructure.
4. Develop an integrated surface and groundwater model for the Carmel Valley Aquifer that evaluates the effects of individual diversions on surface flow and groundwater in the vicinity of diversions. Coordinate the volume and timing of diversions, irrigation of the riparian corridor, and management of the Carmel River lagoon such that impacts to the environment are minimized.

Other Activities

5. Fund a program to partner with local agencies to seek state and federal grants to purchase lands with riparian or overlying water rights in the Carmel River watershed. Retire water use on these lands.
6. Fund the local share of projects that benefit steelhead and increase the water supply as described in the Monterey Peninsula, Carmel Bay, and South Monterey Bay Integrated Regional Water Management Plan.
7. Implement a project in the vicinity of the Carmel River lagoon to use recycled water from the Carmel Area Wastewater District treatment plant that would otherwise be discharged to the Carmel Bay.
8. Carry out studies associated with improving habitat and volume of the Carmel River lagoon as outlined in the “Study Plan for Long Term Management of the Carmel River State Beach and Lagoon” by the Carmel River lagoon Technical Advisory Committee. Implement projects and activities to improve aquatic habitat and volume as recommended after completion of those studies.