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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) ) Hearing Date: July 23 - 25, 2008  
8 Hearing to Determine whether to Adopt a )  
9 Draft Cease & Desist Order against )  
10 California American Water Regarding its ) Carmel River in Monterey County  
11 Diversion of Water from the Carmel River )  
12 in Monterey County under Order WR 95-10 )  
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15 **EXHIBIT MPWMD-LH3**

16 **MONTEREY PENINSULA WATER MANAGEMENT DISTRICT**  
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EXHIBIT MPWMD-LH3.

<b>MPWMD Restoration Project Summary - Alluvial Section (lagoon to Camp Steffani)</b> (revised 06-12-2007)							
<b>Project / Location</b>	<b>Date</b>	<b>Length</b> (lineal ft.)	<b>RSP or structural protection</b> (lineal ft.)	<b>Area</b> (ac.)	<b>No. of Properties</b>	<b>Method</b>	<b>Notes</b>
River mile (from ocean)		(lineal ft.)	(lineal ft.)				
Rancho Canada/ RM 2.6	1988	600	0	2.8	1	gravel bar relocation/ bank stabilization revegetation	construction costs funded by Rancho Canada (\$26,000) native vegetation + irrigation
Hacienda Carmel / 3.3	Nov. '94	200	200	0.9	2	grading/RSP/revegetation/irrigation	600 tons RSP to repair 1993 levee damage
	Jan. '95	50	50			repair	60 tons rip rap-Jan.10, 1995 flow caused slumping of bank
	Jan. 2005	400	120	0.5	3	emergency streambank stabilization	300 tons of rip-raph in three groins
	Apr. 2006	150	150	0.5	2	emergency streambank stabilization	100 tons of RSP placed in between three groins
Valley Hills / 5.2 - 5.6	Aug.'92-Nov. '92	1,500	300	6.9	7	channel realignment/floodplain restoration/post and wire/vegetation/irrigation	300' post & wire +1,000 tons rip rap to create a rock grade structure vegetation + irrigation system for more than 3 acres of vegetation
	Jan. '93					vegetation/irrigation	1500 willow cuttings
	Aug. '93	400	400			repair post and wire, add RSP	post & wire repair, rip-raph installed 3 ft. up bank
	Nov. '93	500	500	2.3		extended	post & wire + rip rap, near Quail lodge maint.bld., Last date post and w
	Nov. '97	100	100			repairs	200 tons rip rap stock pile used to repair bank near Cypress Well
	97-'98					vegetation	Goals = species diversification in microhabitats
Herbert/ RM 5.7	1988	300	0	1.4	2	gravel bar relocation/ bank stabilization	large debris jam in center of channel relocated
All Saints / 6	1995	600	600	2.8	5	emergency streambank repair	streambank repair in cooperation w/ NRCS, MCWRA 4,400 tons rip-raph
	1999	1,500	1,200	6.9	19	channel realignment/floodplain restoration vegetation/irrigation/large wood	870 willow cuttings,95 cottonwoods + 99 other plants mult. species 36 logs installed for steelhead habitat
Clark / 6.8	fall '89 early '90	250	250	1.1	1	RSP/vegetation/irrigation	rip rap illegally placed by owner was redesigned, permitted and modified entire slope planted, drip irrigation installed
Schulte / 6.7	1987 complete Jan.'88 Feb. '98	3,200	3,200	14.7	9	channel realignment/floodplain restoration vegetation/irrigation repairs	post & wire, concrete rubble Schulte road bridge vicinity 6,000 willow cuttings 150 tons of rip rap, '95 damage, Manor Well
Red Rock / ~7.2-7.7	Oct.- Dec. '97	1,800	1,800	8.3	16	channel realignment/floodplain restoration/RSP/vegetation/irrigation	2,500 tons rip rap
	Feb. '98					repair	150 tons rip rap, downstream end, by owner
	spring '98					vegetation	upstream end, revegetation willows & cottonwoods

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Berwick / 8	June, Aug. '87 Aug. '87	800	600	3.7	5	channel realignment/floodplain restoration/RSP/vegetation/irrigation	concrete rubble + filter cloth drip irrigation allows for planting in dry season
Scarlett / 9.1	Oct.- Dec. '89 Feb. '90 Jan. '96 June '96	1,800	1,000	8.3	4	channel realignment/floodplain restoration/RSP/vegetation/irrigation  repair vegetation	concrete rubble, filter cloth first project to use willows along the toe, drip irr.'90-'93 rip rap
Garland Park/11	1985	500	0	2.3	1	first willow trenching project	
DeDampierre / 13-14	Sept.'92	6,000	2,600	27.5	26	channel realignment/floodplain restoration/post and wire/vegetation/irrigation	2,600 ft. post & wire 10,000 willow & cottonwood cuttings
	Sept. '93 Sept. '93	1,000	1,000			streambank repair vegetation	1,000 ft. post & wire repair 4,000 willows and cottonwoods
	Nov. - Dec. '95 Oct. 2002	700 300	700	3.2	3 1	emergency streambank repair install five large rock/log deflectors	streambank repair in cooperation w/ NRCS, MCWRA: 4,400 tons rip-rap partially funded with CDFG grant
Cozzens / 14.6	fall '91	60	60	0.3	1	vegetation	first willow mattress- willows laid on the slope every 2 ft extending down ground water and the lower willow covered with 1-2 ft of channel material
<b>Subtotal</b>		<b>22,710</b>	<b>14,830</b>	<b>94.3</b>	<b>108</b>		
Total in miles		4.30					
Average per year (15 years)		1,514	989				Approx. 33% of streambanks stabilized w/structural materials
<b>Other Projects</b>							
Lagoon to Narrows	1988-1992	50,000		229.6	> 200	emergency irrigation	500,000 lin. ft. of irrigation maintained/operated
San Carlos / 4	1989 to present	2,000		9.2		vegetation/irrigation	500' up from San Carlos Bridge willow transplants in chevron rows i.e. use vegetation to redirect water
Lemos / 7.5	ca 1987	400		0.7	1	vegetation/irrigation	planting through concrete rubble placed by owner in '83-'84, irrigation provided and maintained by property owner
deDampierre/13.5	October 2003	700	200	3.2	1	fish habitat enhancement	log/rock structures funded by CDFG grant
Compiled by: Jessica Wheeler from MPWMD annual reports, additional comments and editing by Larry Hampson							
Last updated: June 12, 2007, LMH							