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4 **BEFORE THE STATE WATER**
5 **RESOURCES CONTROL BOARD**
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7 In the Matter of the State Water Resources) Hearing Date: September 24, 2007
8 Control Board (State Water Board))
9 Hearing to consider Monterey Peninsula) Carmel River in Monterey County
10 Water Management District's (MPWMD))
11 Petitions to Change Permits 7130B and)
12 20808 (Applications 11674B and 27614))
13
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15 **EXHIBIT LH-2**

16 **MONTEREY PENINSULA WATER MANAGEMENT DISTRICT**

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18 **MPWMD Restoration Project Summary Table**
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MPWMD Restoration Project Summary - Alluvial Section (lagoon to Camp Steffani) (revised 06-12-2007)

Project / Location River mile (from ocean)	Date	Length (lineal ft.)	RSP or structural protection (ac.)	No. of Properties	Method	Notes
Rancho Canada/ RM 2.6	1988	600	0	1	gravel bar relocation/ bank stabilization reevegetation	construction costs funded by Rancho Canada (\$26,000) native vegetation + irrigation
Hacienda Carmel / 3.3	Nov. '94	200	200	2	grading/RSP/reevegetation/irrigation repair	600 tons RSP to repair 1993 levee damage 60 tons rip rap-Jan. 10, 1995 flow caused slumping of bank
	Jan. '95	50	50			300 tons of rip-rap in three groins
	Jan. 2005	400	120	3	emergency streambank stabilization	100 tons of RSP placed in between three groins
	Apr. 2006	150	150	2	emergency streambank stabilization	
Valley Hills / 5.2 - 5.6	Aug. '92 - Nov. '92	1,500	300	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-rap installed 3 ft. up bank
	Nov. '93	500	500	2.3	extended repairs vegetation	post & wire + rip rap, near Quail lodge maint.bld., Last date post and w 200 tons rip rap stock pile used to repair bank near Cypress Well Goals = species diversification in microhabitats
Herbert/ RM 5.7	1988	300	0	2	gravel bar relocation/ bank stabilization	large debris jam in center of channel relocated
All Saints / 6	1995	600	600	5	emergency streambank repair	streambank repair in cooperation w/ NRCS, MCWRA 4,400 tons rip-ra
	1999	1,500	1,200	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	RSP/vegetation/irrigation	rip rap illegally placed by owner was redesigned, permitted and modifi entire slope planted, drip irrigation installed
Schulte / 6.7	1987 complete Jan. '88 Feb. '98	3,200	3,200	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	16	channel realignment/floodplain restoration/RSP/vegetation/irrigation	2,500 tons rip rap
	Feb. '98 spring '98				repair vegetation	150 tons rip rap, downstream end, by owner upstream end, revegetation willows & cottonwoods

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Berwick / 8	June, Aug. '87 Aug. '87	800	600	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	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	1	first willow trenching project	
DeDampierre / 13-14	Sept '92	6,000	2,600	26	channel realignment/floodplain restoration/post and wire/vegetation/irrigation	2,600 ft. post & wire 10,000 willow & cottonwood cuttings
Cozzens / 14.6	Sept. '93	1,000	1,000		streambank repair	1,000 ft. post & wire repair
	Sept. '93				vegetation	4,000 willows and cottonwoods
	Nov. - Dec. '95	700	700	3	emergency streambank repair	streambank repair in cooperation w/ NRCS, MCWRA: 4,400 tons rip-r partially funded with CDFG grant
	Oct. 2002	300		1	install five large rock/log deflectors	
	fall '91	60	60	0.3	vegetation	first willow mattress- willows laid on the slope every 2 ft extending dow ground water and the lower willow covered with 1-2 ft of channel mater
Subtotal		22,710	14,830	94.3	108	
Total in miles		4.30				
Average per year (15 years)		1,514	989			Approx. 33% of streambanks stabilized w/structural materials
Other Projects						
Lagoon to Narrows	1988-1992	50,000		> 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	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	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