

FINANCING

Photo by Kathleen Goodwin

10. FINANCING

STATE IRWM REQUIREMENTS: K. Financing. Identify beneficiaries and identify potential funding/financing for Plan implementation. Discuss ongoing support and financing for operation and maintenance of implemented projects.

10-1 IMPLEMENTATION FUNDING



The ICWMP will be implemented through project-specific implementation and overall Plan administration by the TBWC. Project costs and funding matches, where known, are summarized on Table 10-1. These projects (excluding the MMWD's regional water supply projects) total approximately \$41,000,000. The short-term project priorities identified in Chapter 5 represent approximately \$9,500,000 of this total amount.

Funding for most capital improvement projects includes some reserves by public water agencies and public utility districts. However, full funding has not been assured, and for other projects funding is largely dependent on receipt of government or private grants. Few of the project proponents have the ability to generate revenues of sufficient magnitude to implement identified projects within their resources, especially non-governmental organizations.

At this time (July 2007), the TBWC plans to submit a Proposition 50, Round 2, Step 1 grant application requesting funding for some of this Plan's short-term priorities. In the immediate future other potential funding sources include Proposition 84, which was passed by California voters in 2006. Proposition 84 provides funds for planning and implementation of critical water resource management facilities and programs. Other state, federal and private grant funding sources will be pursued.

Many of the stakeholders in the TBWC have worked effectively in the past to solicit and receive government and grant funding for a variety of key projects. In addition, many of the project proponents have secured some matching funds for the projects identified in the ICWMP. Other

known matching funds include: State Coastal Conservancy funding, California Department of Fish and Game funding, federal Community Development Block Grant, and private grant funds, as well as agency contributions. Public agency project proponents largely have a matching fund component (i.e., County of Marin and National Park Service). MMWD also provides a portion of matching funds to several sediment reduction and watershed projects.

The agencies and organizations in the region have a collective demonstrated ability to obtain grant money and other investment of resources.. Public and private dollars already have been invested in the Tomales Bay region, and this plan further protects investment made to date. In the past 20 years, millions of dollars have been received by stakeholder groups in the region to implement water quality, ecosystem restoration, water supply, and stormwater/flood management projects and programs. There has also been a lot of volunteer support with project implementation that is expected to continue.

Water supply and infrastructure capital improvement matching funds will largely be provided through agency capital improvement funds. For example, the NMWD's Point Reyes Station water supply wells and treatment plant improvements have allocated 50% matching funds to both projects from the District's Capital Improvement Plan. Capital reserve funds also are budgeted for portions of IPUD and TVCSD projects. State grants and loans are funding sources for the smaller water agencies that are often sought to supplement agency revenue and user fees.

10-2 ONGOING O&M SUPPORT AND FINANCING

Ongoing operations and maintenance of constructed capital improvements would be funded through existing agency revenues and user fees. Most of the proposed facility construction (except for MMWD's regional projects) consist of minor additions, replacements, or treatment additions, which would not result in a significant increase in staff or maintenance requirements. Operations and maintenance for these facilities would be within existing agency O&M costs. Most project proponents have conducted these types of projects in the past and are committed to a 10-year maintenance schedule. It is anticipated that costs and requirements for maintenance will be met.

Other ICWMP projects consist of habitat restoration and/or minor land or stream improvements, which would not result in significant ongoing O&M costs. In some cases, projects that remove culverts and fish barriers could remove some future maintenance and associated costs with clearing culverts and/or removal of jammed debris from streams and fish stocking costs.

In some cases, there is maintenance associated with stream projects, which can be subject to flooding and post-storm maintenance. Agricultural BMP implementation requires maintenance and/or monitoring—i.e., when fencing is installed, weed management and fence repair becomes new costs for private landowners.

10-3 BENEFICIARIES

Several groups will benefit from implementation of the ICWMP. The first is clearly the residents of the Tomales Bay area, who would benefit from improvements to water supply and treatment systems, as well as improvements to make these systems less vulnerable to service disruption during natural disasters and emergencies. The second group of beneficiaries would be all the “beneficial uses,” including mariculture operators and fish and wildlife resources that would benefit from improved water quality, and habitat improvements in the case of fish and wildlife resources, including over two dozen threatened and endangered species. Third, the public agencies empowered with implementing state plans (i.e., coho recovery, TMDL targets) would benefit from the ongoing implementation, evaluation and assessment of how the ICWMP is contributing to achieving targets or implementing projects outlined in these studies.

Last, beneficiaries of Plan implementation also include current and future generations of residents and visitors, including recreational users in the greater San Francisco Bay region and elsewhere that are part of the approximate 2.5 million visitors to the area annually. The improvement of public trust lands within an area that receives regional, state and international recognition will further protect the investments made to date in the Tomales Bay region.

**TABLE 10-1
SUMMARY OF PROJECT FUNDING**

ID #	PROJECT	Cost	Funding Match	Matching Funds
1	NMWD-Gallagher Wells & Pipeline	800,000	800,000	50%
2	NMWD-Pt. Reyes Water Treatment Improvements	1,250,000	1,250,000	50%
3	MMWD-Desalination Plant			TBD
4	MMWD-Mt. Tamalpais Roads & Trails Management	4,000,000		
5	MMWD-Peacock Gap Recycled Water Extension			
6	MMWD-Watershed Assessment Program	220,000	75,000	25%
7	MMWD-Mercury Monitoring Program			
8	MMWD-Groundwater Recovery Feasibility Study-Phase 2	180,000		
9	MMWD-Lagunitas Creek Riparian Vegetation Work	200,000		TBD
10	MMWD- Rainwater Capture & Stormwater Use Project			
11	MMED-Lagunitas Creek Roads MOU Implement Sediment Reduction	300,000	50,000	17%
12	MMWD-Lagunitas Creek Roads MOU Implementation Assessment and Inventory	175,000	20,000	10%
13	MMWD-Water System Security and Emergency Preparedness	250,000		TBD
14	MMWD-Soulajule Reservoir Supply to Stafford Lake WTP	5,000,000		
15	MMWD-Water Conservation: Sustainable Wildland Landscape			
16	MMWD-Water Conservation: Marin County Satellite Imagery Project			
17	MMWD-Pipeline and Tank Access Road Stormwater Improvements	200,000	70,000	25%
18	MMWD-Fencing Around MMWD Water Supply Reservoirs	480,000	170,000	25%
19	MMWD-Inkwells/Shafter Bridge Crossing Project: Planning	35,000		
20	MMWD-Inkwells/Shafter Bridge Crossing Project: Construction	350,000		TBD
21	MMWD-Invasive Aquatic Weed Management Program			TBD
22	RCD-Rancher Outreach Program	60,000	45,000	43%
23	TU-Dickson Weir & Equestrian Facility Study	25,000		TBD
24	MCPW-Arroyo Creek Fish Passage Restoration	400,000	50,000	11%
25	MCPW-East Fork Woodacre #2 Fish Passage Restoration	175,000	50,000	50%
26	MCPW-San Geronimo Creek Fish Passage Restoration	250,000	50,000	20%
27	MCPW- Woodacre Creek #3 Fish Passage Restoration	400,000	50,000	12.50%
28	MCPW-Kent Canyon Creek Fish Passage Restoration	400,000	50,000	12.50%
29	MCPW-Marin County Watershed Management Plan	50,000	10,000	20%
30	MCPW-Silver Hills Creek Restoration Project	65,000	10,000	15%
31	NPS-Duxbury Reef Reserve Restoration	575,000	57,500	10%
32	NPS-Pt. Reyes Headlands Reserve Restoration	225,000		TBD
33	NPS-Tomales Bay Boat Removal	150,000		
34	NPS-Tomales Bay Vessel Management Plan Implementation	225,000		
35	NPS-Olema Valley Trail Reroute & Stream Crossing Replacement	300,000		
36	NPS-Stewart Horse Camp Septic Replacement	143,000		
37	NPS-Devils Gulch Road/Trail Sediment Control	334,000		
38	NPS-Tomas Bay Beach Campground Access & Restroom Improvements	152,900		
39	CPR-Hearts Desire Beach Restroom Leach Line Replacement	400,000		TBD

**TABLE 10-1
SUMMARY OF PROJECT FUNDING**

ID #	PROJECT	Cost	Funding Match	Matching Funds
40	TBWC-Chicken Ranch Beach Restoration	140,000	15,000	11%
41	IPUD-Climate Change Assessment	40,000		
42	RWQCB-Nicasio & Soulajoule Reservoir Management			
43	RWQCB-Stormwater, Flood Management & Instream Flow Enhancement			
44	RWQCB-Lagunitas Creek Watershed Sediment Reduction & Habitat Enhancement			
45	RWQCB-Riparian Zone & Large Woody Debris Enhancement			
46	SPAWN-Lagunitas Creek Watershed Restoration Program for Private Lands, Bioengineered Bank Repairs	650,000	65,000	10-15%
47	SPAWN-Lagunitas Creek Watershed Restoration - Road Repairs	350,000	70,000	10-20%
48	SPAWN-Salmonid Monitoring	17,400		
49	SPAWN-Lagunitas Creek Stormwater Initiative	120,000	18,000	15%
50	BCPUD-Treatment Microfiltration Unit	275,000		
51	BCPUD-Olema-Bolinas Road Water Main Upgrade	500,000		
52	BCPUD-Disinfection Byproduct Treatment Facility	660,000		
53	BCPUD-Water Storage Capacity Expansion	1,400,000		
54	BCPUD-Invasive Reed Removal	250,000		
55	BCPUD-Distribution Pipeline Replacement	2,500,000		
56	BCPUD-Surfer's Overlook Water Main Relocation	750,000		
57	TVCSD-Tertiary Treatment & Recycling Planning Study	79,800	39,000	50%
58	TVCSD-Tertiary Treatment & Recycling Project	360,000	36,000	10%
59	East Shore Group - Wastewater Upgrade	2,000,000		
60	NMWD-Emergency Pipeline Across SA Fault	150,000		??
61	RCD-Habitat Improvement Project Implementation	500,000	125,000	25%
62	RCD-Ag Land Renewal Energy Proposal	5,000,000	1,250,000	25%
63	RCD-Coastal Prairie Improvement	500,000	125,000	25%
64	NPS-Grazing BMPs	400,000	200,000	50%
65	IPUD-Treatment Disinfection Byproducts	500,000	125,000	25%
66	IPUD-Distribution Pipeline Replacement	40,000	8,000	20%
67	IPUD-Asset Management Plan	10,000	2,000	20%
68	IPUD-Conservation Program	10,000	1,000	10%
69	IPUD-Treated Water Storage Expansion	300,000	150,000	50%
70	MCOSD- San Geronimo Road/Trail Sediment Reduction	700,000	105,000	15%
71	MCPW- Duxbury Reef Stormwater Quality ASBS	150,000	22,500	15%
72	MALT-Ag Land Conservation Easement Acquisition	4,290,000	2,831,400	66%
73	MMWD-Invasive Weed Management	50,000		
74	NPS-Riparian Restoration	250,000	125,000	50%
NOTE: Matching fund determination is underway for those projects with yet unspecified matching fund amounts.				
TOTAL COSTS		\$ 40,712,100	6,871,300	