

**DRAFT**

4.4. Implementation Table for the National Management Plan for the Genus *Caulerpa* Action Items

<b>Actions Funded to Manage <i>Caulerpa</i> in U.S. Waters</b>									
	Action	Funded by	Implemented by	1999	2000	2001	2002	2003	2004
<b>Goal 1. Prevention</b>	Action/Prevention planning for <i>C. taxifolia</i>	USFWS	USFWS	\$10	\$25	\$23.8	\$25		
<b>Goal 2. Early Detection and Rapid Response</b>	Rapid response and monitoring in CA	USFWS	AHLF					\$60	
	Rapid response and monitoring in CA	USDA, APHIS	NFWF					\$25	
	Rapid response and monitoring in CA	USEPA	NFWF					\$4.5	
	Rapid response and monitoring in CA	NOAA	NFWF					\$5.5	
<b>Goal 3. Eradication</b>	Aqua Hedionda eradication & surveillance	USFWS	MA				\$118		
	Aqua Hedionda eradication & surveillance/grant acquisition	CP	MA/HP				\$214		
	Aqua Hedionda eradication & surveillance	SWRCB	MA		\$700	\$1,400			
	Aqua Hedionda eradication & surveillance	NMFS	MA				\$315		
	Aqua Hedionda eradication & surveillance	CDFG	MA				\$600		
	Aqua Hedionda eradication & surveillance	CDFG	UCD				\$295		
	Aqua Hedionda eradication & surveillance	SCWRP, SCC	MA					\$1,100	
	Aqua Hedionda eradication & surveillance	SCWRP, SCC	UCCE					\$150	
	Aqua Hedionda eradication & surveillance	NFWF	MA				\$50		
	Aqua Hedionda eradication & surveillance	NOAA, FAF	MA				\$30		
	Aqua Hedionda eradication & surveillance	NFWF	MA				\$12.5		

\* Funding provided by organizations is listed in thousands of dollars

Actions Funded to Manage <i>Caulerpa</i> in U.S. Waters (continued)									
	Action	Funded by	Implemented by	1999	2000	2001	2002	2003	2004
<b>Goal 4. Long-Term Management</b>	<i>C. brachypus</i> initial risk assessment	NOAA, NMFS	IC						\$20
	National Management Plan for <i>Caulerpa</i> /CWG Coordination	USFWS	USFWS					\$25	\$25
<b>Goal 5. Education and Outreach</b>	Survey of <i>Caulerpa</i> in FL and educational outreach	NOAA, NSG	UCF, UGN					\$56	
	<i>Caulerpa</i> educational outreach	TBEP	UT						\$7
	Survey of <i>Caulerpa</i> in FL and educational outreach	FDA	TBEP, FSG					\$16	
	Survey of <i>Caulerpa</i> in FL and educational outreach	PCEF	UCF						\$31
	Outreach	CDFG	UCD/UCCE				\$50		
	Scientific review panel for California eradication	FWS	CDFG/DSG				\$40		
	Scientific review panel for California eradication	CDPR	SDSU				\$15		
	Aqua Hedionda eradication & surveillance	NFWF	UCCE				\$7.5		
<b>Goal 6. Research</b>	Genetic signatures of FL spp.	FDACS	FDACS					\$15	
	Mapping extent and impacts of <i>C. brachypus</i> in FL	FL	HBOI						\$500
	Treatment methods for open coastal waters	USEPA, SWRCB	USDA			\$600			
<b>* Funding provided by organizations is listed in thousands of dollars</b>									

## DRAFT

### Acronyms for Organizations Listed in Table 4.4

<b>Abbreviation</b>	<b>Organization</b>
AHLF	Aqua Hedionda Lagoon Foundation
CC	City of Carlsbad
CDFG	California Department of Fish and Game
CDPR	California Department of Parks and Recreation
CP	Cabillo Power
DSG	Dynamic Solutions Group, LLC
FAF	Fish America Foundation
FDACS	Florida Department of Agriculture and Consumer Services
FL	State of Florida
FSG	Florida Sea Grant
HBOI	Harbor Branch Oceanographic Institute
HP	Hoffman Planning
IC	Independent Contractor
MA	Merkel and Associates
NMFS	National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
NSG	National Sea Grant
PCEF	Pinnellas County Environmental Fund
SARWQCB	Santa Ana Regional Water Quality Control Board
SCC	Santa Clara County
SDRWQCB	San Diego Regional Water Quality Control Board
SDSU	San Diego State University
SWRCB	State Water Resources Control Board (California)
TBEP	Tampa Bay Estuary Program
UCCE	University of California Cooperative Extension
UCD	University of California at Davis
UCF	University of Central Florida
UGN	University of Groningen, Netherlands
USEPA	U.S. Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
UT	University of Tampa