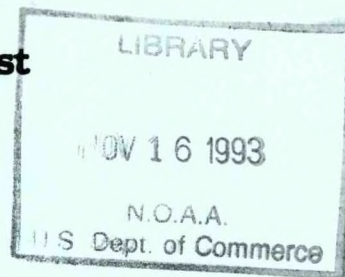


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**National Marine Fisheries Service
National Oceanic and Atmospheric Administration
Department of Commerce
Seattle, Washington**

**Marine Debris Information Offices
Atlantic Coast/Gulf of Mexico and Pacific Coast**



**Annual Report
October 1, 1988 - September 30, 1989
Contract Number 52ABNF800133**

**Center for Marine Conservation
(formerly Center for Environmental Education, est. 1972)
1725 DeSales St, NW, Suite 500
Washington, DC 20036
(202) 429-5609**





Center for Marine Conservation
Formerly Center for Environmental Education, Est. 1972

October 20, 1989

Mr. Jim Coe
Marine Entanglement Research Program
NWAFC
National Marine Fisheries Service
7600 Sand Point Way, NE
Seattle, WA 98115
BIN C15700

Dear Jim:

Enclosed please find three copies of our first annual report on the operation of NOAA's Marine Debris Information Offices (MDIO) during the period of October 1, 1988 to September 30, 1989 under contract number 52ABNF800133. The Center for Marine Conservation (CMC) is pleased to have the opportunity to work with NOAA to distribute educational materials and information about the problem of marine debris.

The first year of MDIO operation has been extremely productive. We anticipate an even more active second year of operation. In all our work as the Marine Debris Information Office, CMC has been fully responsive to the requirements of the contract.

Should you have any questions or require any clarification of our report, please call me at (202) 429-5609.

Sincerely,

Roger McManus
President

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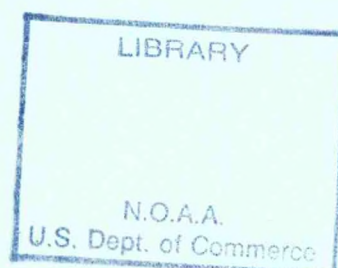
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National Marine Debris Information Offices



Introduction

The U.S. National Marine Fisheries Service Marine Entanglement Research Program has supported marine debris education projects focusing on the industrial contributors to the marine debris problem since 1986. As the nation began to recognize plastic pollution as a real problem, the need for new products and education materials was being overshadowed by the need to deliver existing information and materials. In fact, industrial and public demand for information on this topic had outstripped the Program's ability to deliver the existing materials. In order to meet this demand, and to partially fulfill NOAA's duty to establish a three year public awareness program under the Marine Plastic Pollution Research and Control Act of 1987, NOAA contracted the Center for Marine Conservation to establish Marine Debris Information Offices on both coasts.

The objective of these offices is to establish and maintain a center for distribution of information and materials to educate industries and the general public about the impacts of persistent marine debris, and their roles in its creation removal and proper disposal. To meet these objective, the MDIO serves to:

- Disseminate marine debris educational materials and information
- Establish a series of information packages to respond to inquiries.
- Update these information packages on a quarterly basis
- Maintain an inventory of the materials needed for the information packages
- Resupply the materials within the information packages as necessary.
- Maintain records on the types and rates of inquiries.
- Assist other groups in the development of education programs on marine debris.
- Conduct seminars and presentations about the marine debris problem.
- Establish media contacts to increase the visibility of the marine debris problem.
- Identify ways to improve the flow of information on the marine debris problem

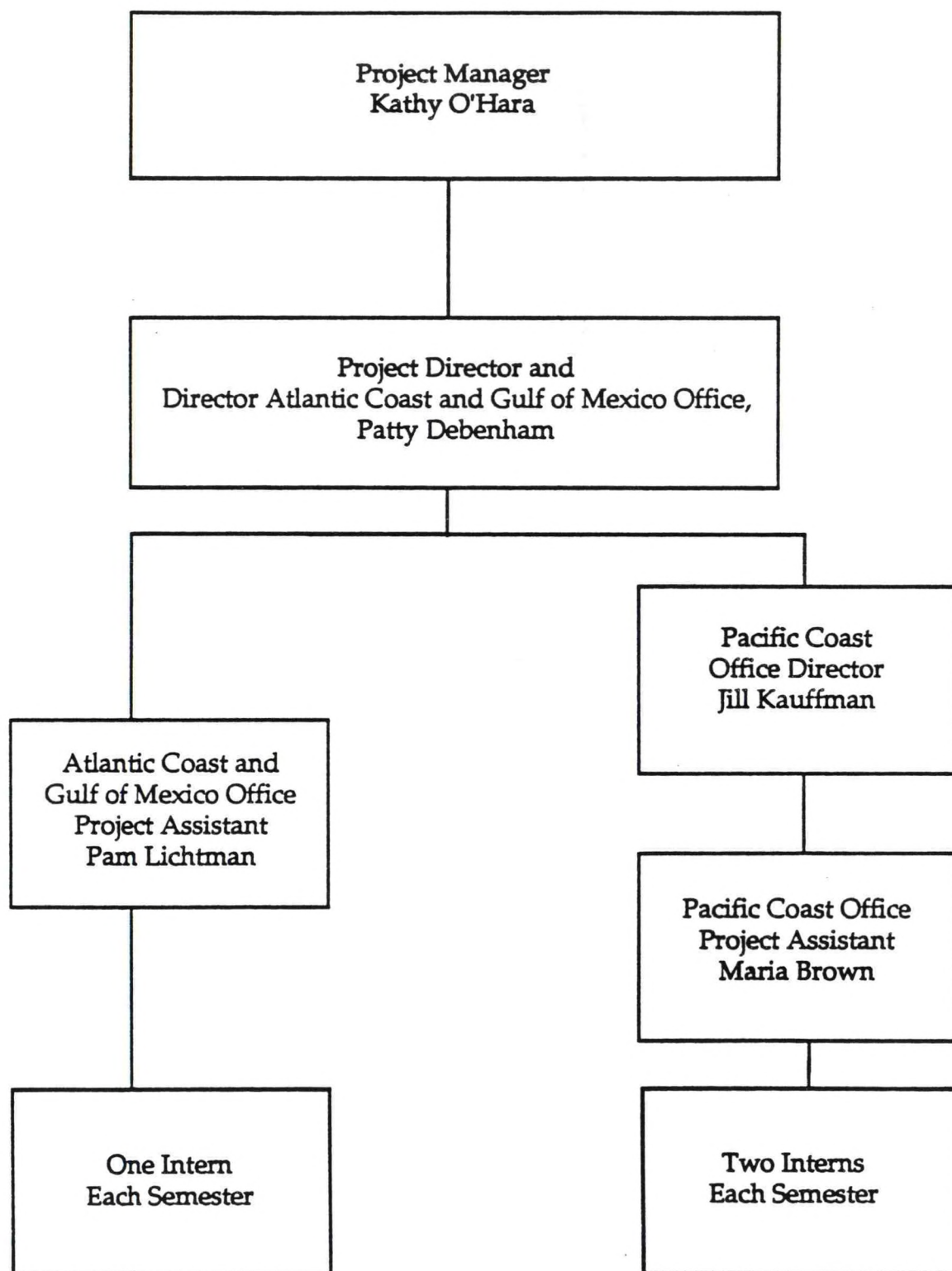
Organizational Structure of the Marine Debris Information Offices

The Atlantic Coast and the Gulf of Mexico Marine Debris Information Office operates out of CMC's Washington, D.C. office. The Pacific Coast Marine Debris Information Office (MDIO) is in CMC's regional office in San Francisco, California. The two Marine Debris Information Offices work together to respond to requests from around the nation.

All activities of the MDIOs are supervised by a Project Manager. The Project Director coordinates the daily activities of both offices out of CMC's Washington, DC office. Figure 1 outlines the organizational structure of the MDIO. Because of the increasing number of requests for information, the MDIO hired two new staff members, one for the East Coast in February, and a second for the Pacific Coast in June.

At no expense to either CMC or NOAA, the MDIO continually benefits from CMC's internship program. The East Coast office regularly has one intern throughout the year. The Pacific Coast office has on average two interns. The MDIO has developed internal operations manuals that explain MDIO procedures to all interns and other temporary help.

Figure 1 . Organizational Chart for Marine Debris Information Office.



Preparation of Educational Materials

The MDIO developed and distributes the following 15 information packets to respond to a variety of request types. A total number of 2,175 packets were distributed.

- General Public
- Beach Cleanup
- Teachers and Educators
- Elementary School (K to 5th Grade)
- Middle School, High School and College Students
- Recreational Fishermen and Boaters
- Press and Media Personnel
- Plastics Recycling and Degradable Plastics Information
- Cruise Ship Passengers
- Fishermen and Fish Processors
- Cargo Vessel Operators and Crews
- Offshore Oil Industries
- Plastics Manufacturers and Resin Pellet Producers
- Port and Terminal Operators
- Charter Vessel Operators

Distribution of Materials

During the first year of operation, the MDIO responded to 6,142 requests for information. Each request for information is entered into a computerized data base which includes the requestor's name, address, materials requested, and request type. While the majority of the requests were from individuals, 2,075 requests were from organizations that asked for multiple copies of materials that they in turn distributed to their members or constituents. A list of the organizations requesting information from the MDIO appears in Appendix 1.

The number representing over 6,000 requests for information does not include all telephone inquiries. For instance, when the MDIO receives a telephone request to locate a marine debris contact, the MDIO does not record this person into the data base.

The number of request per month range from 69 in October to 791 in January. On average the MDIO responds to approximately 512 requests for information each month. Figure 2 shows the monthly rate of requests for information in the East and Pacific Coast offices. NOAA provides government franked stickers to the MDIO for all postage needs.

The types and quantities of materials distributed by the MDIO in its first year of operation appears in Table 1. Of the 2,175 packets distributed, the most commonly requested packet of information is for the teachers and educators (723), the general public (354), and recreational fishermen/boaters (324) packets. Beach Cleanup packets, student packets, and recycling and degradable information are also requested frequently.

In addition, the MDIO distributed 114,745 brochures during the first year of operation (Figure 3). More recreational boating brochures have been distributed than any other brochure type. It is important, however, to note that more recreational boating brochures have been printed than any other brochure. Because the demand for brochures designed for the plastics industry and commercial fishermen was comparatively low, the MDIO has stopped printing these materials. The MDIO has also documented the distribution of 18,102 *Citizens Guides to Plastics in the Ocean* since October 1, 1988 (Table 1).

Figure 2. Number of Requests Per Month Answered by the MDIO

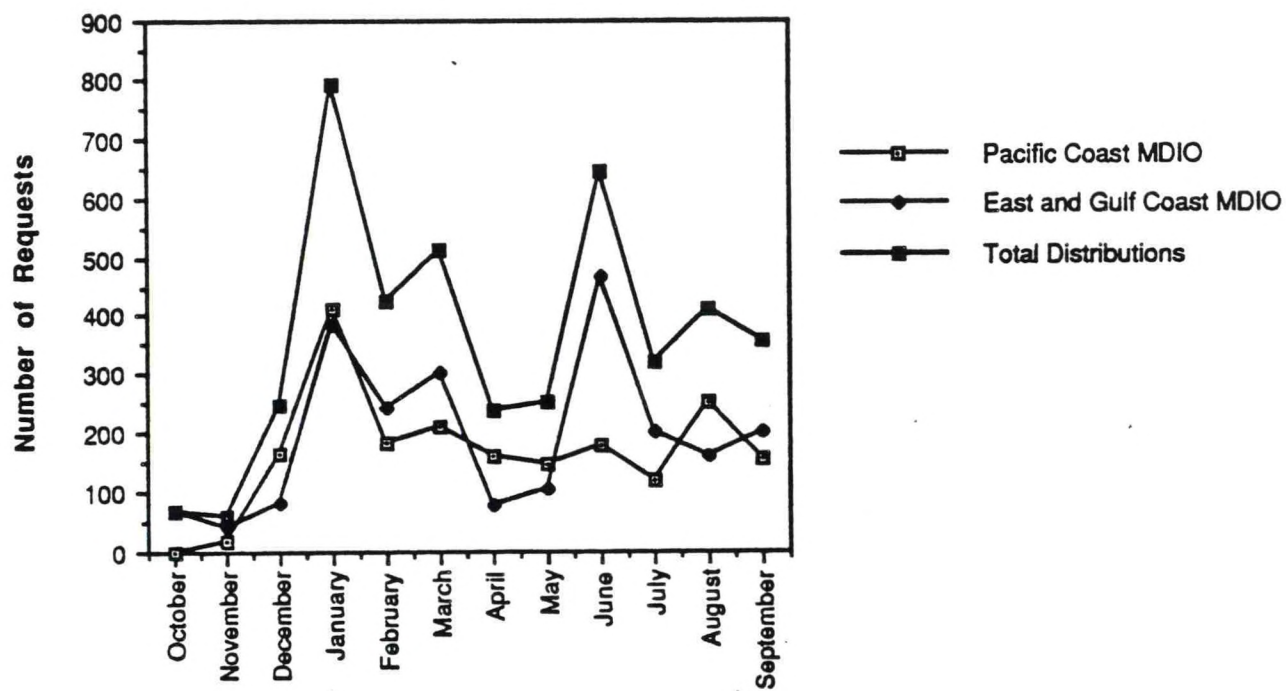


Table 1: Total Number of Materials Distributed by the MDIO October 1, 1988 - September 30, 1989. (Combined Figures for Atlantic Coast and Gulf of Mexico and Pacific Coast)

TOTAL NUMBER OF REQUESTS: 6,142

Brochures Distributed:

Recreational Boating	49,638
Recreational Fishing	16,574
Commercial Shipping	22,265
NOAA/Port of Newport	10,758
Commercial Fishing	14,008
Plastics Industry	2,167

TOTAL: 115,410

Packets:

General Public	354
Beach Cleanup	123
Teacher and Educators	723
Elementary School (K to 5th grade)	124
Middle School, High School and College Students	142
Recreational Boating/Fishing	324
Press and Media Personnel	37
Plastics Recycling and Degradable Plastics Information	128
Cruise Ship	20
Fishermen and Fish Processors	79
Cargo Vessel Operators and Crews	66
Offshore Oil Industries	20
Plastics Manufacturers and Resin Pellet Producers	7
Port and Terminal Operators	35
Charter Vessel Operators	0

TOTAL: 2,175

Slide Shows:

General Marine Debris	336
Commercial Fishing Northeast	6
Slide Assortments*	25

Videos:

Trashing the Oceans#	199
Plastics Are a Different Kind of Trash	15

Posters:

Popeye	26,582
Stow It**	3,236
Fish**	89

Stickers:

Stow It**	5,546
MARPOL*	4,063

Citizen's Guides 18,102

Table 1: Total Number of Materials Distributed by the MDIO October 1, 1988 - September 30, 1989. (Combined Figures for Atlantic Coast and Gulf of Mexico and Pacific Coast) (cont.)

Reports:

Port of Newport Reference Guide**	222
Plastic Debris and Its Effects on Marine Wildlife**(Audubon)	15
Plastics in the Ocean: More Than a Litter Problem**(128pp 1987)	74
Coloring Book**	1,487
National Assessment for 1988*	261
Texas Report**	240
Washington Sea Grant Article**	128
Kearney/Centaur Placards+	348
One Page Ads**(5 different ads developed by NOAA/CMC/SPI)	36
How to Organize a Beach Cleanup Guide**	137
Burr Heneman Report**	3

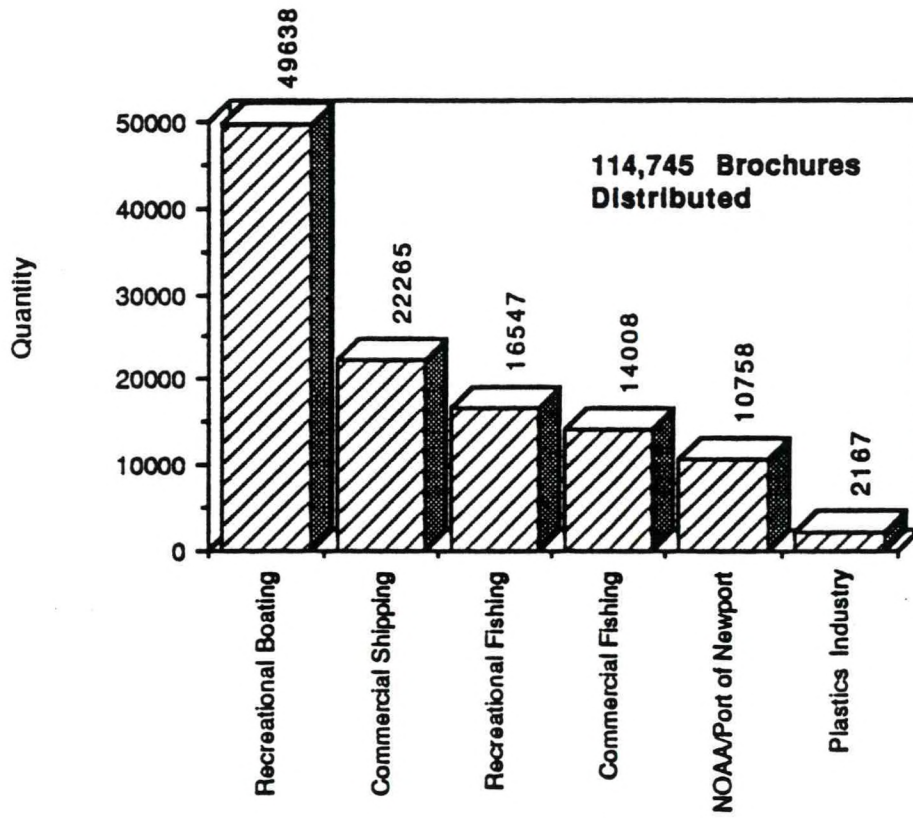
* Represents number of items distributed in the fourth quarter

** Totals do not represent actual MDIO distributing information. In the early stages of setup, information about these items were entered in "Memo fields" where it is not possible to perform calculations.

Many videos also contain the Port of Newport Port Project Video.

+ Includes items distributed by MERP commercial shipping marine debris education plan contractor.

Figure 3. Number and Type of Brochures Distributed by the MDIO.



Costs to Produce Materials

Prior to January 10, 1989, NOAA spent \$11,000 on materials to supply the offices. On January 10, 1989, a contract amendment transferred the responsibility for ordering materials to resupply the information offices from NOAA to CMC. From January 10, 1989 to the end of the first year of operation, both MDIOs spent a total of \$33,399.25 on materials. In total during the first year of operation, the MDIO spent \$49,899.25 on materials to supply the information offices.

Brochures	\$23,539.00
Posters	
Popeye	\$ 2,160.00
Don't Teach Your Trash To Swim (Blue)	\$ 507.00
Xeroxing of packet contents	\$ 7,644.58
Stickers	
MARPOL boating (red, white, and blue)	\$ 500.00
other materials	
(including coloring books, National Assessment)	\$ 4,548.67
Total Amount Spent by MDIO on Materials (1/89-9/89) . . .	\$38,899.25
Amount Spent by COTR on Materials (10/88-1/89)	<u>\$11,000.00</u>
Total Amount Spent on Materials (10/1/88-9/30/89)	\$49,899.25

Additional CMC Work that Benefits MDIO

CMC has many other marine debris projects funded by sources other than NOAA that both advertise and supply materials to the MDIO. All these projects ultimately benefit the MDIO in some way. For example, the Society of the Plastics Industry financed the development and printing of a poster featuring "Popeye the Sailor" (Appendix 2). Copies of this poster were available for MDIO distribution at a substantial savings. The *Coastal Connection* newsletter that was produced with funds from the EPA, NOAA and the plastics industry, is now part of the beach cleanup packet (Appendix 3). Appendix 4 shows the MARPOL sticker developed to explain the dumping restrictions of MARPOL Annex V. Following is a list of items developed by CMC and their associated costs that are available for MDIO distribution at little or no cost to the MDIO.

NOAA/CMC/SPI Brochures (150,000)	\$19,500.00
Popeye Poster (development)	\$10,000.00
Coastal Connection (10,000 copies)	\$ 2,500.00
Citizens Guide (30,000 copies)	\$46,000.00
MARPOL Stickers (2,500 copies)	<u>\$ 500.00</u>
Total Amount Spent on MDIO Materials by Other Groups . . .	\$78,500.00

As a result of CMC's beach cleanup work, there have been many national and local articles, television and radio interviews, and feature stories about the debris problem. Some notable press coverage include stories featuring MDIO staff on *CNN News* (2 times), *NBC Nightly News and Sunrise*, *Fox Television*, *National Public Radio*, *USA Today* (3 times), *U.S. News and World Report*, *Los Angeles Times*, *Miami Herald*, *Tampa Tribune*, *Christian Science Monitor*, *Atlanta Constitution*, *Boston Globe*, *San Francisco Chronicle*, *San Francisco Examiner*, *Houston Chronicle*, *Houston Post* and numerous local papers. In all public appearances, CMC staff make it clear that the MDIO provides background materials and information. In addition, CMC makes it clear to all state beach cleanup coordinators that they can obtain materials from the MDIO.

The Society of the Plastics Industry supports CMC to conduct "Stow It, Don't Throw It" activities at fishing tournaments. At these events, CMC conducts educational programs to increase the tournament participants' awareness about the impact of their debris in the marine environment and on its effects on wildlife.

CMC's work under a NOAA-sponsored Saltonstall-Kennedy contract allows CMC to conduct concentrated marine debris educational activities in three different regions of the country. Under this contract, CMC delivered numerous presentations on the debris problem and increased the exposure of MDIO materials.

The Future Role of the MDIO: Response versus Outreach

The Marine Debris Information Office contract requires the MDIO to respond to requests for information. The MDIO responded to more than 6,000 requests for information in the first year of operation.

Another responsibility of the MDIO is to conduct presentations and briefing seminars about marine debris. While, the MDIO budget is not able to accommodate extensive travel and a national outreach campaign, with a \$10,000 grant from the Society of the Plastics Industry (SPI), CMC has been able to attend major trade shows and conferences of marine user groups including Fish Expo '88, Ocean '88, Sea Grant Week, Northeast Solid Waste Conference, and World Exposition of Saltwater Sportsfishing. The work to distribute marine debris educational materials at conferences and trade shows will continue in fiscal year 89/90. Another means of outreach has been through the publication of NOAA/CMC/SPI print public service advertisements. The print public service advertisements appeared in 24 journals 47 different times during the past year (Table 2).

The majority of staff time during the first year of operation has been spent responding to requests as well as organizing and clarifying MDIO response procedures. In year two the MDIO staff anticipates expanding outreach activities and contact with national organizations. As a result, the MDIO will increase its visibility as a repository of information and materials on marine debris.

Table 2. Journals and Magazines Featuring NOAA/CMC/SPI Proper Disposal of Plastics Public Service Advertisements from October 1, 1988 to September 30, 1989

Journal Name	Issue (month and year)	Page Number
<u>Commercial Fishing</u>		
<u>Advertisement</u>		
Alaska Fisherman's Journal	Jan/1989	p. 86
Mariners Weather Log (NOAA)	Spring 1989, vol. 33, no. 2	p. 20
National Fisherman	March/1989	p. 22
Organized Fisherman of Florida	Oct/1988	p. 18
Organized Fisherman of Florida	Nov/1988	p. 18
<u>Merchant Shipping</u>		
<u>Advertisement</u>		
Mariners Weather Log (NOAA)	Spring 1989, vol 33, no. 2	p. 15
<u>Plastics Industry</u>		
<u>Advertisement</u>		
Mariners Weather Log (NOAA)	Spring 1989, vol 33, no. 2	p. 11
Modern Plastics	Nov/1988	p. 130
Modern Plastics	Dec/1988	p. 99
Plastics Design Forum	Sep/Oct/1988	p. 27
Plastics Machinery & Equipment	Nov/1988	
Plastics Packaging	Sep/Oct/1988	p. 57
Plastics Technology	Dec/1988	p. 70
<u>Recreational Fishing</u>		
<u>Advertisement</u>		
Arthur Smith Sportfishing Journal	1989 Edition	p. 73
Fly Fisherman	May 1989	
SaltWater Sportsman	Sept/1988	p. 99
SaltWater Sportsman	Oct/1988	p. 132
SaltWater Sportsman	Feb/1989	p. 202
Sea Magazine	Feb/1989	p. 6, 62, 67 (ed.)
Southern Outdoors	Feb/1989	p. 117
Southern Outdoors	July/Aug 1989	p.4 (editorial)
Southern Saltwater	Feb/1989	p. 72
Sports Afield	Dec/1988	p. 103
The Fisherman (Long Island Ed.)	Dec. 8/1988	p. 47
Virginia Governor's Cup	Aug/1989	p. 66
Tournament Program		p. 67 (editorial)

**Table 2 . Journals and Magazines Featuring NOAA/CMC/SPI Proper Disposal of
Plastics Public Service Advertisements
from October 1, 1988 to September 30, 1989 (cont.)**

Recreational Boating Advertisement

Chevy Outdoors	Aug/1989	
Courier (Natl. Park Service)	Oct/1988	p. 14
Geo (German)	Sept/1988	p. 184 (editorial)
Mariners Weather Log (NOAA)	Spring 1989, vol 33, no. 3	p. 69
Motor Boating & Sailing	Feb/1989	p. 268
Motor Boating & Sailing	April/1989	p. 281
Motor Boating & Sailing	Sept/1988	p. 162
Motor Boating & Sailing	Oct/1988	p. 196
Motor Boating & Sailing	Feb/1989	
Motor Boating & Sailing	Aug/ 1989	p. 154
Motor Boating & Sailing	Oct/ 1989	p.95 & p. 158
Outdoor Life	Dec/1988	p. 135
Sea Magazine	Nov/1988	p. 24A
Sea Magazine	Jan/1989	p. A14
Sea Magazine	July 1989	p. 22A
Sail Magazine	Sept/1988	p. 31 (editorial)
Sail Magazine	Sept/1989	
San Diego Log	Dec/88	p. 19
San Diego Log	March 17, 1989	article
San Diego Log	March 17, 1989	p. 17
Sports Afield	Nov/1988	p. 11 (editorial)
		p. 93 (editorial)
Western Boatman	Dec/1988	p. 30 (editorial)

Atlantic Coast and Gulf of Mexico Marine Debris Information Office

Atlantic Coast and Gulf of Mexico Overview

The Atlantic Coast and Gulf of Mexico Marine Debris Information Office (East Coast) acts as the headquarters for both MDIOs. From October 1, 1988 to September 30, 1989 the East Coast MDIO responded to 4,147 ¹ requests for information and made 39 presentations about marine debris.

Task 1 - Establish and maintain marine debris information office.

Upon award of the contract, the Center officially established the Marine Debris Information Office for the Atlantic Coast and Gulf of Mexico in Washington, D.C. Throughout the year the Center established and modified the mailing list data base in order to efficiently monitor information requests. The data base currently records and counts all items distributed by both MDIOs. Each new request is assigned a "request type" category. This information allows for monitoring of the types of people who request marine debris information and to anticipate future request trends. With funds from a separate project, CMC sent every person who contacted the MDIO in the last year a *Coastal Connection* newsletter. The *Coastal Connection* is a newsletter produced by CMC to promote the National Beach Cleanup and to discuss the problems of marine debris.

Other CMC actions taken to maintain the MDIO include organizing a regional and national press clippings file. In addition, the MDIO modified the marine debris bibliography developed by Brad Hanson at Washington State University. The MDIO obtained the computer disk that contains Brad Hanson's work as well as permission to update this information. The MDIO incorporated the references of numerous reports including *Plastics in the Ocean More Than A Litter Problem*, *Audubon Wildlife Report*, *Marine Entanglement in North America*, and the Abstracts from the *Second International Conference on Marine Debris*. The printed copy of the revised bibliography will be available in November 1989.

Task 2 - Distribute Marine Debris Educational Materials and Information

• Task 2-1 - Identify Available Marine Debris Educational Materials.

The Center compiled a list of all currently available marine debris educational materials. This was done via telephone inquiries of approximately 75 groups which are currently involved in marine debris activities including beach cleanup organizers, environmental organizations, state and federal government agencies, and marine industry associations. CMC and the MDIO receive mailings of new educational materials from both national and local groups. Throughout the year the MDIO updated the list to include the production of these new marine debris education materials. Appendix 5 shows the most current version of the "Marine Debris Educational Materials List." The materials list was a working document in the education working group at the Second International Conference on Marine Debris held in 1989.

¹ This number includes 1,680 requests for Popeye posters whose distribution was funded by the Society of the Plastics Industry.

- **Task 2-2 - Assembly of Educational Packages.**

As an initial task of the MDIO, CMC developed the following 15 information packets to respond to a variety of request types. A breakdown of the total number and type of the 2,175 packets distributed appears below. Appendix 6 lists the contents of each packet distributed by the MDIO.

• General Public	354
• Beach Cleanup	123
• Teachers and Educators	723
• Elementary School (K to 5th Grade)	124
• Middle School, High School and College Students	142
• Recreational Fishermen and Boaters	324
• Press and Media Personnel	37
• Plastics Recycling and Degradable Plastics Information	128
• Cruise Ship Passengers	20
• Fishermen and Fish Processors	79
• Cargo Vessel Operators and Crews	66
• Offshore Oil Industries	20
• Plastics Manufacturers and Resin Pellet Producers	7
• Port and Terminal Operators	35
• Charter Vessel Operators	1

Enclosed is a final version of the MDIO letterhead, including envelopes and folder stickers (Appendix 7). For all The Marine Debris Information Office stationery is used for all Marine Debris Information Office business.

- **Task 2-3 - Revise Sample Packages for Target Audiences for COTR Approval.**

The MDIO presented a draft version of the information packets on November 15, 1988. After incorporating suggestions made according to the COTR, the MDIO presented the final packets to the COTR on January 15, 1989. All packets presently distributed represent changes requested by the COTR.

Task 3 - Conduct Quarterly Review of Information in the Information Packages.

Throughout the year the MDIO suggested many changes to the information packets (Table 3). All brochures that were printed after April 15, 1989 contain recent information about MARPOL Annex V. All packets include a blue "Don't Teach Your Trash to Swim" poster. At SPI's expense, CMC updated the *Citizen's Guide* with current legislative, scientific, and citizen activities in the marine debris field. Finally, the Pacific Coast MDIO updated the "Facts and Figures" text developed by Natural Resources Consultants (Appendix 8). The Facts and Figures includes recent information presented at the Second International Conference on Marine Debris. The East Coast office is also updating the marine debris bibliography.

Table 3. Changes Made in Information Packets During First Year of MDIO Operation.

PACKET TITLE	ADDITION	DELETION
General Public	--	Stow It stickers
Beach Cleanup	added entire packet <i>Coastal Connection</i> Beach Cleanup Guide	Nuts and Bolts
Teacher	Updated bibliography	Pen Pal program
Elementary	--	--
Students	Beach Cleanup Guide	Nuts and Bolts
Rec. Fishermen and Boaters	Rec. boaters help solve debris problem	WA Sea Grant article
Press and Media	Garbage Harms Fish and Boats Updated Facts and Figures	Entanglement Network Newsletter
Plastics Recycling and Degradable Plastics	entire packet under review	--
Cruise Ship	currently under review	--
Fishermen and Fish Processors	Reference Guide for Ports Recht's Dear Fisherman letter Commercial Fishermen Help Solve Debris Problem Garbage Harms Fish and Boats Ports Gearing up for Cleanup Contact List for Port Programs	WA Sea Grant article
Cargo Vessel Operators	Reference Guide for Ports Knightingale Article: Questions and Answers	--
Offshore Oil	Reference Guide for Ports	--
Plastics Industry	--	--
Port and Terminal	Reference Guide for Ports Knightingale Article: Port of Seattle Ports Gearing up for Cleanup Contact List for Port Programs	Newport summary Survey of Capability of Ports
Charter Vessel	--	--

Task 4 - Maintain Inventory of Educational Materials Available for Information Packages.

Table 4 shows the current availability of all educational materials distributed by both the East and Pacific Coast MDIOs. Only two items are currently in low supply. The MDIO has now distributed all of the non-water-resistant Popeye posters. The MDIO will distribute the remaining 12,000 water resistant posters until it is necessary to reprint. The MDIO is currently printing 25,000 MARPOL stickers that will be available November 1, 1989.

Task 5 - Continue to Identify the Need for and Encourage the Development of Educational Materials on Marine Debris by Outside Entities.

- **Task 5-1 - Provide Information to Other groups.**

Appendix 1 lists all organizations that received information from the MDIO in the last year. Some of these organizations requested a large quantity of materials that they in turn distributed to their members or constituents. For example, the U.S. Navy distributed 5,000 copies of both the *Citizens Guide to Plastics in the Ocean* and the NOAA/CMC/SPI commercial shipping advertisement to all vessels in the Pacific and Atlantic Fleet. The New York State Senate distributed 11,000 copies of the NOAA/CMC/SPI recreational boating brochure throughout the state. The U.S. Coast Guard requested 15,000 copies of the same brochure in its press mailing for National Safe Boating Week as well as 10,000 "Popeye" posters for national distribution through the Coast Guard Auxiliary Supply Center. 8,000 recreational fishing brochures became part of a National Fishing Week distribution.

- **Task 5-2 - Encourage Development of Educational Materials by Other Groups.**

The Center continues to have direct and indirect influence on the production of educational materials by outside groups. The MDIO provided slides and background materials on the marine debris problem to the U.S. Navy for development of an education packet and video for shipboard use. After the New York State Senate distributed 11,000 recreational boating brochures, they decided to create their own educational material from the NOAA/CMC/SPI artwork. The Society of the Plastics Industry produced a pamphlet entitled "Plastics and Marine Debris: Solutions Through Education" describing their work to eliminate marine debris.

As part of CMC's responsibilities with other projects, the Center produced several new educational materials that are now available to the MDIO. In all cases the MDIO was able to take advantage of significant economies of scale and eliminate costly "production set-up" charges.

CMC produced a sticker designed to show the dumping restrictions of MARPOL, Annex V, at the request of the U.S. Coast Guard and for a Saltonstall-Kennedy contract. The Society of the Plastics Industry funded the production of a poster using "Popeye the Sailor." The Popeye poster is extremely popular. CMC published a second edition of *A Citizens Guide to Plastics in the Ocean: More Than A Litter Problem* including new information about legislation, citizen Table 4

Table 4: Current Inventory of Materials Available from the Marine Debris Information Office

Brochures:	
Recreational Boating	104,600
Recreational Fishing	18,600
Commercial Shipping	17,000
MERP(produced by Port of Newport, OR)	4,500
Advertisements (one page):	
Recreational Boating	1,260
Recreational Fishing	1,252
Commercial Shipping	1,030
Commercial Fishing	500
Plastic Resin Pellet	54
Citizen's Guides	10,015
Posters:	
Popeye Non-Water Resistant	0
Popeye Water Resistant	12,000
Stow It	400
Don't Teach Your Trash To Swim	0
Stickers:	
MARPOL	225
Stow It	280
Don't Teach your Trash to Swim	1,000
Slide Shows:	
General Marine Debris	30
Commercial Fishermen	11
New England	6
Mid-Atlantic	1
Southeast	1
Gulf of Mexico	1
Pacific Northwest/ Alaska	1
Videos:	
Trashing the Oceans	57
Port of Newport Pilot Project	62
Plastics Are a Different Kind of Trash	2
Packets with Coverletters:	
General Public	50
Beach Cleanup	50
Teacher and Educators	50
Elementary School (k to 5th Grade)	50
Middle School, High School and College Students	50
Recreational Fishermen & Boaters	50
Press and Media Personnel	25
Plastics Recycling and Degradable Plastics Information	50
Cruise Ship Passengers	25
Fishermen and Fish Processors	25
Cargo Vessel Operators and Crews	25
Offshore Oil Industries	25
Plastics Manufacturers and Resin Pellet Producers	5
Port and Terminal Operators	50
Charter Vessel Operators	25
Placards:	
Laminated	144
Cardboard	146
Texas Report	215
Plastics in the Ocean: More Than a Litter Problem	30
Coloring Book	500
Data Cards	4,500

Table 4: Current Inventory of Materials Available from the Marine Debris Information Office (cont.)

WA Sea Grant Article	150
Plastic Bottle Recycling Today	40
10 Tips For A Cleaner Ocean	50
Blue Folders for Packets	460
Popeye Buttons	7,050
Coastal Connection Newsletters	8,800
Xeroxes Included in Packets:*	
Smithsonian	100
Time	100
Science World	100
Bibliography	100
Action Page	100
Coastal Cleanup	100
Beach Cleanup Guide	100
Clearing Newsletter	100
Rubberband Exercise	100
4-H Activities	100
Bruce Bingham	100
Newport Model Port Project Summary	100
Fishing Plaque Order Form (Highliners Assoc)	100
Plastics World	100
MARPOL signatory countries	100
Slide Show Script	100
National Association for Plastic Container Recovery	100
Resource Recycling	100
Technology Recycling Reports	100
Rutgers Information on Recycling	100
Recycling Study Guide	100

* All xeroxes included in the packets are kept in sufficient supply of approximately 100 copies.

involvement, and education programs. *All About Beach Cleanups* (draft) and the *Coastal Connection* are CMC publications designed to help beach cleanup organizers that are now part of MDIO distributions. The MDIO receives numerous requests for our report of 1988 beach cleanups: *Trash on America's Beaches: A National Assessment*. The fully animated, 30-second public service announcement with Popeye the Sailor is available for MDIO distribution.

Task 6 - Participate in and Conduct Presentations, Seminars and Briefings

Staff from the Atlantic Coast and Gulf of Mexico MDIO made 39 formal presentations about the marine debris problem (Appendix 9). As part of CMC's responsibilities to another NOAA contract (Saltonstall-Kennedy), our work with the Society of the Plastics Industry, and our efforts to coordinate the National Beach Cleanup, our staff continually informs a variety of audiences about the availability of information from the MDIO.

Task 7 - Establish and Maintain Media Contacts for Distribution of Information as Well as Public Service Announcements.

Both MDIOs respond to numerous requests from the press and other media personnel on a daily basis. In addition, CMC works with the press to promote marine debris in the media. For example, CMC held one national and five regional press conferences to promote beach cleanups and discuss the marine debris problem. As a result there have been many national and local articles, television and radio interviews, and feature stories about the debris problem. In all public appearances, CMC staff make it clear that the MDIO provides background materials and information. Some notable press coverage includes stories featuring MDIO staff on both *CNN News* (2 times), *NBC Nightly News* and *Sunrise*, *Fox Television*, *National Public Radio*, *USA Today* (3 times), *US News and World Report*, *Los Angeles Times*, *Miami Herald*, *Tampa Tribune*, *Christian Science Monitor*, *Atlanta Constitution*, *Boston Globe*, *San Francisco Chronicle*, *San Francisco Examiner*, *Houston Chronicle*, and *Houston Post*.

The MDIO makes broadcast quality copies of NOAA's video, *Trashing the Oceans*, available to all media contacts and general public requests. Since October 1, 1989 the Information Offices distributed 199 copies of the video. The print public service advertisements appeared in 24 journals 47 different times during the past year (Table 2).

At no expense to NOAA, the MDIO benefits from work carried out by CMC's Director of Press Relations. Although the Director works on all CMC issues, on average he spends one third of his time specifically working to increase understanding and visibility of the marine debris problem.

Task 8 - Identify Ways to Improve the Flow of Information on Marine Debris.

CMC developed a material order form which is included in all information packages (figure 4). This order form requests feedback on the MDIO education materials. This information is used to continuously monitor the contents of the information packages.

Throughout the year the demand for the NOAA/CMC/SPI brochures was quite high. Subsequently the MDIO determined it is more efficient and cost effective to print large quantities of brochures at one time.

Figure 4. Marine Debris Information Office Materials Order Form.

MARINE DEBRIS INFORMATION OFFICE

SPONSORED BY NOAA & CENTER FOR MARINE CONSERVATION

MARINE DEBRIS EDUCATION MATERIALS LIST AND ORDER FORM

PUBLICATIONS

Plastics in the Ocean: More Than a Litter Problem - nc

A report on the plastic debris problem in the marine and Great Lakes environments of the U.S. Discusses types of plastic debris, their sources, their impacts on wildlife and recommended solutions.

Citizens Guide to Plastics in the Ocean - 50bks free, \$1 each if > 50

An informative guide on the marine debris issue for concerned citizens with suggested activities on how to help *(included in all packets)*

1987 Texas Coastal Cleanup Report - nc

This report details the 1987 CMC Coastal Cleanup, and discusses the findings and recommendations for solving the problems caused by debris.

Marine Debris Coloring Book - nc

(included in elementary information packet)

All About Beach Cleanups:

A Helpful Guide to Planning a Beach Cleanup - nc

A comprehensive outline of how to set up a coastal cleanup campaign

BROCHURES AND PUBLIC SERVICE ADVERTISEMENTS

The PSAs and 8-panel brochures discuss the problems caused by plastics in the marine environment as related to the target group mentioned in each title - nc for small quantities, \$.33 each for orders over 250 brochures

Recreational Fishing

Recreational Boating

Commercial Shipping

OTHER

Poster - "Stow It. It's the Law." - nc

Colorful 18 x 28 poster formerly captioned, "Our Ocean. It's Drowning"

Poster - "Popeye: 'I Hopes Ya Swabs Won't Be Throwing No Plastics Overboard'"

Banner -- "Stow It -- Don't Throw It" - nc

available on loan to all events to encourage proper disposal of plastics - please call for information

MARPOL Boating Sticker - Red, white, and blue sticker

describing the dumping restrictions of MARPOL Annex V

Reference Guide for Ports - nc

Qty.

WEST COAST OFFICE: 312 Sutter Street, Suite 316, San Francisco, CA 94108 (415) 391-6204 TELEFAX (415) 956-1441
NATIONAL OFFICE: 1725 DeSales Street, NW, Washington, DC 20036 (202) 429-5609 TELEFAX (202) 872-0619

Figure 4. Marine Debris Information Office Materials Order Form.

INFORMATIONAL PACKETS - nc (limit 2 per order) Each packet (except the elementary school packet) contains a copy of the Citizens Guide as well as material specific to packet title.	Qty.
<u>Elementary school children (K-6)</u>	
<u>Secondary school children (7-12)</u>	
<u>Teachers and other educators</u>	
<u>General public</u>	
<u>Beach cleanup</u>	
<u>Cruise ship passengers</u>	
<u>Recreational fishermen and boaters</u>	
<u>Commercial fishermen and fish processors</u>	
<u>Cargo vessel operators and crews</u>	
<u>Offshore oil and gas companies</u>	
<u>Plastics recycling and degradable plastics information</u>	
<u>Port and terminal operators</u>	
<u>Plastics industry</u>	
<u>Press and media personnel</u>	
<u>AUDIO/VISUAL MATERIALS</u>	
<u>Marine Debris and Entanglement Slide Show - \$25.00</u> Ten minute (47 slides) presentation with accompanying script	
<u>Marine Debris & Commercial Fishermen Slide Show - \$30.00</u> Ten minute slide show which details marine debris problems and how they relate to commercial fishermen with script and cassette narrative.	
<u>Plastics are a Different Kind of Trash - \$10.00</u> Designed for offshore oil and gas industry in the Gulf of Mexico. Contains a six minute video, instructors guide, and a question and answer sheet.	
<u>Trashing the Oceans - \$10.00</u> Seven minute video about the effects of marine debris on the environment	

WHAT DO YOU THINK?

We invite you to share your comments and suggestions about the marine debris informational materials in this packet. We are also interested in your own efforts to combat the problem of marine debris and would like to hear your success stories.

Please notify us of any new information or educational materials on Marine Conservation and also different materials you would like to see included in this packet. We would love to hear from you! Please contact the Marine Debris Information Office nearest you.

Kindly limit your order to items you honestly can use. All materials are in limited quantities.

"nc" signifies no charge for items unless explicitly stated. We must charge shipping for large orders.

Pacific Coast Marine Debris Information Office

Pacific Coast Marine Debris Information Office Overview

The Pacific Coast Marine Debris Information Office began operation November 21, 1988 at 312 Sutter, #316, San Francisco California, 94108. During the first year, the Pacific Coast Marine Debris Information Office responded in writing to 1,995 requests for information. The staff members of the Pacific Coast office made 24 formal presentations and initiated a number of contacts and meetings with representatives of industry, government, education and conservation organizations. The Pacific Coast Marine Debris Information Office re-located to a new office in the same building July 1, 1989. The new office is 312 Sutter, Suite #606. A second staff member, Maria Brown, was hired on July 5, 1989.

Task 1 - Establish and maintain marine debris information office.

On November 7, 1988, Ms. Jill Kauffman was hired to be the Director of the Pacific Coast MDIO. On November 21, 1988, CMC began the operation of the Pacific Coast MDIO in the World Affairs Center building, located at 312 Sutter Street, Suite #316, San Francisco. CA 94108, (415)391-6204, fax number (415) 956-7441. The office was re-located July 1, 1989 to Suite #606 in the same building; an office triple the size of the original space. The phone and fax numbers remain the same. The Pacific Coast MDIO has an Epson computer, four telephone lines, an answering and facsimile machines and access to xeroxing facilities. A second staff member, Ms. Maria Brown, was hired July 5, 1989.

The MDIO's Pacific Coast office responded to 1,995 requests for information. Staff of the Pacific Coast MDIO met with the staff of the Atlantic Coast and Gulf of Mexico MDIO May 24-26 and September 21-22 to update materials and discuss inventory procedures, data base coordination, and future activities of the offices.

Task 2 - Distribute Marine Debris Educational Materials and Information.

- **Task 2-1 - Identify Available Marine Debris Educational Materials.**

See Atlantic Coast and Gulf of Mexico MDIO progress report and Appendix 5.

- **Task 2-2 - Assembly of Educational Packets.**

Pacific Coast staff aided in the original assembly of the educational packets. See Atlantic Coast and Gulf of Mexico progress report Task 2-2 and Appendix 6.

Task 2-3 - Revise Sample Packages for Target Audiences

Pacific Coast staff aided in revising all educational packets. See Atlantic Coast and Gulf of Mexico progress report Task 2-2 and Table 2.

Task 3 - Conduct Quarterly Review of Information in the Information Packages.

Pacific Coast staff aids in reviewing and identifying new materials and refers suggestions to the Atlantic Coast and Gulf of Mexico office for approval by the COTR. See Atlantic Coast and Gulf of Mexico progress report (Table 3).

Task 4 - Maintain Inventory of Educational Materials Available for Information Packages.

See Atlantic Coast and Gulf of Mexico progress report for total inventory of educational materials of the Marine Debris Informational Offices (Appendix 5).

Task 5 - Continue to Identify the Need for and Encourage the Development of Educational Materials on Marine Debris by Outside Entities.

- **Task 5-1 - Provide Information to Other Groups.**

The Pacific Coast office provides information and materials to many groups including the U.S. Coast Guard, Hawaii Sea Grant, California State Lands Commission, Seattle Aquarium, American President Lines, Ltd., Chevron Shipping Company, Southern California Marine Association, Pacific Coast port operators and numerous state agencies, waste management industries, port harbor masters, yacht clubs, fishing associations and educators.

- Through an article in a local magazine, a recreational boater heard about the MDIO and contacted the office about plans to establish an organization to clean the San Francisco Bay. Tom Harell has been working on a business plan to set up an organization, called Eco Sweep, which would involve volunteer boaters sweeping the bay of floatable trash. The Pacific Coast office was contacted as a reference for information for implementing the program. Discussions continued on a bi-weekly basis for two months and the program is currently in the process of organization.
- Staff of the Pacific Coast MDIO participated in numerous environmental fairs in the San Francisco Bay Area.
- The Pacific Coast Office provided a video and background information for the East Bay Conservation Corps (EBCC) for an educational seminar.
- Dave Garrett Sailing, a private sailing company, will be giving a series of evening classes on the marine debris problem using the MDIO slide show and materials. Dave Garrett Sailing also distributed MDIO materials at the Great Outdoor Adventure Fair on March 3-5, 1989.
- The U.S. Coast Guard conducts educational seminars and presentations using MDIO materials.
- Meeting with the Chief Wharfinger of the Port of San Francisco to discuss implementation of MARPOL Annex V at the port. The port supplied the Pacific Coast office with a mailing list of all the current fish operators at a local pier to send marine debris educational materials.
- The Pacific Coast Office wrote the California Department of Boating and Waterways inquiring about funds to help defray costs for ports and marinas in California to comply with MARPOL Annex V. The office has not yet received a response.
- The Pacific Coast Office joined the Atlantic and Gulf of Mexico Office in displaying and providing numerous materials for the Second International Conference on Marine Debris.
- The Marine Debris Information Office provided materials for distribution at marinas for Opening Day on San Francisco Bay. Materials were distributed by the East Bay Conservation Corps to recreational boaters as they embarked for a day of sailing and celebration.
- An initial distribution of the Center for Marine Conservation's newly developed

poster featuring the Popeye character included marine supply retail stores, marinas and sailing clubs in the Northern San Francisco Bay area.

- Met with the Chief of Safety and Sanitation of the Marina Del Rey Harbor to discuss proper trash reception facilities and general recreational boater awareness of MARPOL Annex V.

- The Center for Marine Conservation was a co-sponsor of the 1989 California Coastal Cleanup. Although participation by CMC was funded by private foundations and corporate grants, our involvement in the Coastal Cleanup enhanced the visibility of the MDIO tremendously. CMC conducted a Data Collection Campaign to educate the public about the marine debris problem and the importance of documenting the types and amounts of debris on the coasts. CMC's staff held a series of nine meetings with various county coordinators of the California Coastal Cleanup to introduce the MDIO and its resources and describe data collection procedures for the 1989 California Coastal Cleanup. CMC also developed materials to promote volunteer participation in the Coastal Cleanup and generate awareness about the marine debris problem.

- **Task 5-2 - Encourage Development of Educational Materials by Other Groups.**

The Pacific Coast MDIO has a direct and indirect influence on the development of educational materials by outside groups.

- Staff of the Pacific Coast MDIO is a member of the advisory committee for the Marine Debris Recycling Program conducted by the Coastal Resources Center. MDIO staff helped produce an educational brochure for port recycling.

- MDIO staff met with the San Francisco chapter of the Oceanic Society to discuss their current efforts to develop curricula and educational materials on marine pollution for the classroom.

- MDIO staff worked with the California Coastal Commission to develop their Adopt-A-Beach literature including a guide to beach cleanups and information concerning the Coastal Cleanup program.

- MDIO staff met with the California 4H program to discuss including marine debris issues and beach cleanups as a part of the informal science education program. They have submitted a proposal for a California Aquatic Science Education program to the National Science Foundation. One of their proposed programs involve beach surveys and marine debris education.

Task 6 - Participate in and Conduct Presentations, Seminars and Briefings.

The Pacific Coast staff members conducted 24 formal presentations and participated in numerous meetings and conferences (Appendix 10).

Task 7 - Establish and Maintain Media Contacts for Distribution of Information as well as Public Service Announcements.

The Pacific Coast Office responded to press requests including the *Los Angeles Times*, *Islands Magazine*, *A'lul'quoy Magazine* and numerous local newsletters and publications. A segment of the Center's testimony at the State Lands Commission appeared on the local CBS station in Los Angeles. Written testimony was distributed to reporters as well as MDIO press packets.

Funded by private foundations and corporate grants, CMC was a co-sponsor of the 1989 California Coastal Cleanup. These efforts involved a tremendous amount of press contact. CMC conducted one press conference and attended two others in California. Press contacts during the California Coastal Cleanup involved eleven radio interviews, including a morning talk show where the MDIO was discussed and which subsequently generated several inquiries; ten newspaper interviews with articles appearing in the Los Angeles Times, San Francisco Chronicle and more than thirty other newspapers in California; contact with five television stations including interviews with MDIO staff on NBC and CNN for national coverage of the Coastal Cleanup and the marine debris problem.

Task 8 - Identify Ways to Improve the Flow of Information on Marine Debris.

No activity this period.

Task 9 - Locate the Pacific Coast Marine Debris Information Office.

See Task 1 of the Pacific Coast Progress Report.

Appendices

Appendix 1: Organizations Requesting Information from the MDIO

32ND ST. USC SCHOOL
4H EXTENSION
70 WEST MARINA
A CLEAN WELL LIGHTED PLACE BOOKS
A COALITION FOR SCIENCE AND TECH.
A FISH PROCESSING PLANT
A T KEARNY/CENTAUR DIV
A-MAVSING SERVICES CORP
ABC MORNING NEWS
ABC NETWORK NEWS
AC BLUNT MIDDLE SCHOOL
ACADIA NATIONAL PARK
ACF INDUSTRIES
ADDISON PUBLIC LIBRARY
ADF&G/CF
ADMIRAL HILL MARINA
ADOPT-A-BEACH
AGILITIES UNLIMITED
AGIS GROUP PUBLISHERS
AGRI-TECH
AIDLIN AUTOMATION CORP
AK OFF DIV-KOREAN DEEP SEA FISHER
AL DEPT OF MARINE RESOURCES
AL GROVER MARINA
AL SEA GRANT
ALABAMA CONSERVANCY/ HUNTSVILLE C
ALABAMA DEPT OF CONSERVATION
ALASKA MARITIME NATIONAL WILDLIFE
ALASKA SEA GRANT COLLEGE PROGRAM
ALASKA SEA GRANT MARINE ADVISORY
ALASKA TREKS N VOAYAGES
ALASKA TROLLERS ASSOC
ALEUTIAN LOGISTICS
ALL ALASKAN SEAFOODS
ALL SEASONS MARINA
ALLATOONA LANDING
ALLENS BOAT LIVERY
ALLIANCE FOR A LIVING OCEAN
ALLIANCE FOR A LIVING OCEAN
ALLIANCE FOR A LIVING OCEAN
ALMAR LTD
AMELIA ISLAND YACHT CLUB
AMERICAN CETACEAN SOC #614
AMERICAN CETACEAN SOCIETY
AMERICAN CYANAMID COMPANY
AMERICAN LEGION MAGAZINE
AMERICAN MARINAS INC
AMERICAN OCEAN CAMPAIGN
AMERICAN PRESIDENT LINES
AMERICAN SAILING
AMERICAN SAILING ASSOCIATION
AMERICAN SAMOA COASTAL MANAGEMENT
AMERICAN SYSTEMS CORP
AMERICAN WHARF MARINA
AMEUS/ DEPARTEMENT DE GENIE CHIMI
AMKO PLASTICS INC.
AMOCO CORPORATION

Appendix 1: Organizations Requesting Information from MDIO (cont.)

AMOCO FOAM PRODUCTS COMPANY
AMPACET CORPORATION
AMSC MANUEL G DEGUZMAN
ANACORTES MARINA
ANCHOR COVE MARINA
ANCHORAGE MARINA/BALT MARINE CTR
ANDRIES HUDDE JUNIOR HS 240
ANGEL ISLAND STATE PARK
ANGEL ISLAND STATE PARK
ANGLING TRADE ASSOCIATION
ANIMAL KINGDOM MAGAZINE
ANIMAL PROTECTION INST OF AMERICA
ANIMAL PROTECTION LEAGUE
ANJEC REPORT
ANNA POINT MARINA
ANNAPOLIS CITY MARINA
APPALACHIAN MOUNTAIN CLUB
APPLIED ECOLOGY
APPLIED MARINE RESOURCES LABORATO
APPLIED SCIENCE ASSOC INC
AQUANETICS
AQUATIC SCIENCE CENTER
ARCO GAS AND OIL
ARCO MARINE INC
ARMY CORPS OF ENGINEERS
ARTHRITIS FOUNDATION
ASPCA
ASSEMBLY OFFICE/MIKE NELSON
ASSEMBLYMAN DAN HAUSER
ASSEMBLYWOMAN
ASTORIA PUBLIC SCHOOLS
ATASCADERO HIGH SCHOOL
ATKA RURAL BRANCH
ATLANTIC CENTER FOR THE ENVIRONME
ATLANTIC HARBORS INC
ATLANTIC HIGHLANDS MUNI MARINA
ATLANTIC MARINA
ATLANTIC MARINE CENTER
ATLANTIC SALMON FEDERATION
ATLANTIS MARINA
AUDUBON COASTAL POLLUTION TV PROG
AUDUBON SOCIETY
AUDUBON SOCIETY OF RI
AUKE BAY LAB NMFS NOAA
AUSTRALIAN BROADCASTING CORPORATI
AUXILLIARY NATL SUPPLY CTR
AVALON ANCHORAGE MARINA
AVALON FARM
AVONDALE BOAT YARD INC
AYS CHARTERS
AZ CURRICULUM CENTER
BADGER ROAD ELEMENTARY SCHOOL
BAIT & TACKLE SHOP
BAJA EXPEDITIONS
BAL HARBOUR

Appendix 1: Organizations Requesting Information from MDIO (cont.)

BALD EAGLE MARINA INC
BALD EAGLE PARK MARINA
BALD HEAD CONSERVANCY INC.
BALLENA ISLE MARINA
BALMAR PRODUCTS INC
BALTIMORE AQUARIUM
BALTIMORE CITY PARKS AND RECREATI
BANYAN BAY MARINA
BAR HARBOR RV PARK/MARINA
BARNSTABLE NATURAL RESOURCES DEPT
BARREN ISLAND MARINA
BARRETT INDEPENDENT SCH DIS #262
BARRIER ISLAND ENVIRONMENTAL ED C
BARRINGTON YACHT CLUB
BASS 'N GALL
BATTELLE OCEAN SCIENCES
BATTERY PARK MARINA
BAUM'S COVE MARINA INC
BAY CITY HIGH SCHOOL
BAY HARBOR CLUB
BAY MARINA INC
BAY MODEL VISITORS CENTER
BAY PLANNING COALITION
BAY POINT MARINA
BAY VIEW MARINA
BAY YACHT CLUB CONDO ASSOC INC
BAYBERRY CREEK MARINA INC
BAYPORT MARINA
BAYSIDE MARINA
BAYWOOD MARINA
BEAMS GREENWOOD MARINA
BEAUFORT LABORATORY
BEAUMONT ENTERPRISE
BEEBE MARINA
BELLA HARBOR MARINA
BELMAR MARINA
BEND BOAT BASIN
BENTON HALL ELEMENTARY SCHOOL
BENTON HALL ELEMENTARY SCHOOL
BERKELEY MARINA NATURE CTR
BERKELEY YACHT CLUB
BERLIN ELEMENTARY SCHOOL
BETEL
BETHEL PUBLIC SCHOOLS
BETHEL SCH/ELK PLAIN ELEMENTARY
BIG APPLE MARINA
BIG RIDGE MARINA INC
BILL BOYD'S TACKLE SHOP INC
BILLFISH FOUNDATION
BILLINGTON COVE MARINA
BIOSEARCH CONSULTANTS
BLAKE LOWER SCHOOL
BLOOMFIELD HILLS MIDDLE SCHOOL
BLOOMFIELD HILLS SCHOOLS
BLUE HERON YACHT CLUB

Appendix 1: Organizations Requesting Information from MDIO (cont.)

BLUE PARIOT
BLUE RIDGE MOUNTAIN MARINA
BLUE WATER YACHT CLUB
BLUFF CREEK MARINA
BO SUN'S LANDING
BOARD LAND & NATURAL RESOURCES
BOAT
BOAT KATHLEEN A. MIRARCHI, INC.
BOAT U.S.
BOCA BAYOU CONDO ASSOC
BODEGA BAY FISHERMAN'S AUXILLARY
BODEGA BAY NAVIGATOR
BOESHIELD T-9
BOHEMIA BAY YACHT HARBOUR
BOHICKET MARINA
BOLTON LANDING MARINA
BON SECOUR FISHERIES
BONITA BAY MARINA
BOOT KEY MARINA
BORDEN LIGHT MARINA INC
BOROUGH OF SEASIDE
BOSTON BIG GAME CLUB
BOSTON CONSERVATION COMMISSION
BOSTON MUSEUM OF SCIENCE
BOTANY DEPARTMENT
BOUCHARD MARINA
BOURUGH OF BELMAR
BOWLEYS QUARTERS CONDO MARINA INC
BOY SCOUT LEADER
BOY SCOUTS
BOYS' LIFE MAGAZINE
BRADENTON HERALD
BRADLEY CREEK BOATAMINIUM
BRAND'S MARINA
BREMERTON HIGH SCHOOL
BREWEF YACHT YARD AT GREENPORT
BREWER YACHT YARD AT MYSTIC
BREWER YACHT YARDS
BREWERS SAKONNET MARINA
BRIARCLIFF INN & MARINA
BRIDGEPORT MARINA
BRIELLE YACHT CLUB
BRISTOL BAY AREA HEALTH CORP
BRISTOL BAY AREA HEALTH CORP
BRITISH LANDING CONDOS/YACHT CLUB
BRITISH NAVY STAFF
BROAD CREEK MARINA
BROOKFIELD ZOO
BROWN BOATWORKS
BROWNING-FERRIS INDUSTRIES
BROWNS POINT MARINA
BRUCE & JOHNSON MARINA
BRUNSWICK LANDING MARINA INC
BSA PACK 295
BUD'S CHICKEN & SEAFOOD

Appendix 1: Organizations Requesting Information from MDIO (cont.)

BULL FROG MARINA
BULL RIVER MARINA
BUNGING'S OCEAN CITY MARINA
BUREAU OF ADM. & POLICY PLANNING
BUREAU OF ECONOMIC RESEARCH - CAC
BUREAU OF MARINE RESOURCES
BUREAU OF VESSEL TITLING & REGIST
BURR BROTHERS BOATS INC
BURT LAKE MARINA
BUTTE ENVIRONMENTAL COUNCIL
BYRAM PUBLIC MARINA
C & W FISH CORPORATION
C.A.R.T.
C/O MADISON NORTH JAYCEES
CA DEPT. OF CONSERVATION
CA DEPT. OF FISH AND GAME
CA EARTH DAY
CA SEA GRANT
CA SEA GRANT
CA SEA GRANT-MARINE ADVISORY PROG
CA STATE LANDS COMMISSION
CA WASTE MGMT BOARD LOC PLAN DIV
CABRILLO MARINE MUSEUM
CADILLAC FAULKNER PLASTICS
CADILLAC PLASTIC & CHEMICAL CO.
CAL BOAT & WATERWAYS
CAL COASTAL COMMISSION
CAL SEA GRANT/UC COOP EXT
CALIF FISHERIES FOUNDATION
CALIF MARINE MAMMAL CENTER
CALIF MUSEUM OF SCIENCE & TECH
CALIFORNIA COASTAL COMMISSION
CALIFORNIA DEPT. OF WATER RESOURC
CALIFORNIA FISHERIES FOUNDATION
CALIFORNIANS AGAINST WASTE
CALLAM COUNTY COURTHOUSE
CALVERT MARINA
CALVILLE BAY MARINA
CALVILLE TRIBE
CAMDEN COUNTY PARK COMMISSION
CAMELOT CONDOMINIUM
CANADA COLLEGE BLDG 13
CANADA DEPT FISHERIES/OCEANS
CANADIAN NAT SPORTSMAN SHOW
CANONS MARINA
CANYON LAKE MARINA
CAPE COD NATIONAL SEASHORE
CAPE GIRARDEAU CO PUB. HEALTH CTR
CAPE HATERAS NATIONAL SEASHORE
CAPE LOOKOUT NATIONAL SEASHORE
CAPE MAY HARBOR MARINA INC
CAPITOL HARDWARE MANUFACTURING CO
CAPITOL TEMPTROL
CAPITOLA/SOQUEL COMM ACTIVITIES
CAPRI MARINA/VENTURA YACHT SVCS

Appendix 1: Organizations Requesting Information from MDIO (cont.)

CAPT BILL'S MARINA
CAPTAIN ANDY'S MARINA
CAPTAIN'S COVE MARINA
CAPTAIN'S MARINE INC
CAROLINA BIOLOGICAL SUPPLY COMPAN
CARRABELLE MARINA
CASTILLEJA SCHOOL
CATALINA ISLAND MARINE INSTITUTE
CAUSEWAY BOAT-MARINA
CBS NEWS
CCC
CCHP CORP
CEC
CEDAR ISLAND MARINA INC
CEDAR MARINA INC
CEDAR POINT MARINA
CEDAR-LEE JUNIOR HIGH SCHOOL
CENTER FOR COASTAL STUDIES
CENTER FOR EDUCATIONAL SERVICES
CENTER FOR ENVIRONMENTAL LEARNING
CENTER FOR MARINE CONSERVATION
CENTER FOR MARINE CONSERVATION
CENTER FOR SEAFARERS RIGHTS
CENTER FOR THE ENVIRONMENT
CENTER FOR URBAN & REGIONAL STUD.
CENTRAL COAST SALOMON ENHANCEMENT
CENTRAL ELEMENTARY SCHOOL
CENTRAL ELEMENTARY SCHOOL
CENTRAL ELEMENTARY SCHOOL
CENTRAL MIDDLE SCHOOL
CENTRO MARINO DE ORIENTE CMO
CEPS 1 REGION VI
CERTIFIED MARINE, INC.
CETACEAN AWARENESS PROGRAMS
CETACEAN SOCIETY
CFF
CGSTA
CHAIN O'LAKES MARINA
CHAMPLAIN BRIDGE MARINA INC
CHAMPLIN'S MARINA & RESORT INC
CHANDLERS LANDING MARINA
CHANNEL CROSSING MARINA
CHANNEL ISLAND MARINE SANCTUARY
CHANNEL ISLAND SEA SERVICE
CHANNEL MARINE CORP
CHANNEL PARK MARINA
CHAPMAN SCHOOL OF SEAMANSHIP
CHARLES B FLEMING & ASSOC
CHARTER BOAT OPERATOR
CHARTER INDUSTRY SERVICES, INC.
CHATFIELD MARINA
CHATHAM YACHT BASIN
CHAUTAUQUA MARINA
CHAZY BOAT BASIN
CHEM SYSTEMS

Appendix 1: Organizations Requesting Information from MDIO (cont.)

CHESAPEAKE BAY FOUNDATION
CHESAPEAKE ENV. IMPROVEMENT COUN.
CHESAPEAKE HARBOR MARINA
CHESAPEAKE PORT AUTHORITY
CHESAPEAKE VOLUNTEERS & YOUTH SER.
CHEVRON
CHEVRON SHIPPING COMPANY
CHEWONKI FOUNDATION
CHICAGO ACADEMY OF SCIENCES
CHICAGO ZOOLOGICAL SOCIETY
CHICK'S MARINA
CHILDREN'S BOOKS
CHILDREN'S MUSEUM OF JUNO BEACH
CHILDREN'S SERVICE
CHIMACUM JUNIOR HIGH
CHIPPEWASSEE SCHOOL
CHISMAN CREEK MARINA
CHRISHOLM MARINA INC
CHRISTOPHER NEWPORT COLLEGE
CHRONICLE
CIRCLE OAK FARM
CITIZENS TO SAVE PUGET SOUND
CITY BOAT WORKS & MARINA
CITY COLLEGES OF CHICAGO
CITY HALL
CITY ISLAND MARINA
CITY OF AVALON
CITY OF BETHEL
CITY OF CHESAPEAKE
CITY OF CLEARWATER
CITY OF CORDOVA
CITY OF DESTIN HARBORMASTER
CITY OF LA HARBOR DEPT MARINA OPS
CITY OF LYNNWOOD
CITY OF MONTEREY
CITY OF OLYMPIA RECYCLING
CITY OF POMPANO BEACH
CITY OF RANCHO PALOS VERDES
CITY OF SAN FRANCISCO RECYCLING P
CITY OF SAN JOSE ENVIRON MGMT
CITY OF SO HAVEN MARINA
CITY OF SOLANA BEACH
CITY OF VIRGINIA BEACH
CITY OF WHITTIER
CLAM COURT CONDOMINIUMS MARINA
CLARKS LANDING MARINA INC
CLARKSVILLE MIDDLE SCHOOL
CLEAN AND BEAUTIFUL COMMISSION
CLEAN COMMUNITY COMMISSION
CLEAN NOVA SCOTIA FDTN
CLEAN NOVA SCOTIA FOUNDATION
CLEAN OCEAN ACTION
CLEAR CREEK HARBOR MARINA
CLEARWATER AUDUBON SOCIETY
CLEARWATER MUNICIPAL MARINA

Appendix 1: Organizations Requesting Information from MDIO (cont.)

CLEARY, GOTTLIEB, STEEN & HAMILTO
CLOUSBURST FISHING CO
CMMC
CNADIAN POWER & SAIL SQUADRON
CNO-OP-452
COAST GUARD AUXILIARY
COASTAL CLEANUP
COASTAL CURRENTS SHORELANDS PROG.
COASTAL FISHERIES FDTN
COASTAL FISHERIES INSTITUTE
COASTAL MANAGEMENT DIVISION
COASTAL MARINE
COASTAL POST
COASTAL RESOURCE INFORMATION CTR
COASTAL RESOURCES CENTER
COASTAL RESOURCES DIVISION
COASTAL STATES ORGANIZATION
COASTAL ZONE INFORMATION CENTER
COASTAL ZONE MANAGEMENT
COBB CLEAN COMMISSION
COBB ISLAND MARINA INC
COBB'S MARINA INC
COCHISE COLLEGE
CODDINGTON LANDING
CODORUS STATE PARK MARINA
COECLES HARBOR MARINA & BOATYARD
COLBERT COVE MARINA
COLERAIN ELEMENTARY SCHOOL
COLLECTION MANAGEMENT PROGRAM
COLLEGE OF OCEANOGRAPHY
COLLEGE OF OCEANOGRPHY
COLLEGE OF WILLIAM AND MARY
COLLINS DEVELOPMENT CORP
COLONIAL COAST GIRL SCOUT COUNCIL
COLUMBIA RIVER MARITIME MUSEUM
COLUMBUS SCHOOL
COM G-MER-3
COMET AUTOMATION SYS INC
COMM FISHING WIVES COALITION
COMM.ON HIGER EDUCATION AND TEACH
COMMANDANT G-MPS-1
COMMANDER NAVAL AIR FORCE PAC FL
COMMANDER'S POINT YACHTING CENTER
COMMUNITY CONGREGATIONAL CHURCH
COMMUNITY ENVIRONMENTAL COUNCIL
COMMUNITY ENVIRONMENTAL COUNCIL
COMMUNITY SCHOOL DISTRICT 27
COMSC CODE NOOR 1 (5100 1ST LCDR)
CONANICUT MARINE SVCS INC
CONCORD SCH DIST-OFF SPEC SVCS
CONGRESSIONAL RESEARCH SERVICE
CONGRESSMAN JIM SAXTON
CONGRESSMAN LANCASTER
CONGRESSMAN RAVANEU
CONGRESSMAN SAXTON

Appendix 1: Organizations Requesting Information from MDIO (cont.)

CONGRESSWOMAN PAT SAIKI
CONN SEA GRANT PROG/UNIV CONN
CONNECTICUT DEPARTMENT OF ENVIRON
CONNECTICUT RIVER MARINA
CONOCO INC.
CONSERVATION COMMITTEE
CONSERVATION CORPS
CONSERVATION EDUCATION AND LITTER
CONSERVATION FOUNDATION
CONSTITUTION MARINA
CONSTITUTION MARINA/BOSPORT DOCK
CONTRA SECONDARY SCHOOL
COOPERATIVE EXTENSION SERVICE
COPOER'S MARINA
COQUINA HARBOR ASSOC BUILDERS
CORAL BAY MARINA
CORAL REEF ELECTRONICS
CORNELL COOPERATIVE EXTENSION
CORONADO
CORPORACION MARINA
COS COB TOWN MARINA
COUNCIL BLUFFS COMMUNITY SCHOOL D
COUNCIL FOR SOLID WASTE SOLUTIONS
COUNCIL ON THE ENVIRONMENT OF NYC
COUNCILWOMAN CITY OF BERKELEY
COUNTRY LIVING MAGAZINE
COUSTEAU SOCIETY
COVE HAVEN MARINA
COVE MARINA
COVESIDE MARINA
COVILLE
COYOTE POINT MARINA
COYOTE POINT YACHT CLUB
CRAB COVE VISITORS CENTER
CRAB COVE VISITORS CENTER
CRABE COVE VISITORS CTR
CRANDON MARINA
CRANDON MARINA
CRD GEORGIA DNR
CREEKWOOD MARINA INC
CREIGHTON UNIV. SCHOOL OF MEDICIN
CREST
CROCKER'S BOATYARD INC
CROCKETT BROTHERS BOATYARD INC
CROSBY YACHT YARD INC
CROSS RIVER CANVAS
CROWLEY'S YACHT YARD INC
CRUISE PASSENGER NETWORK
CRYSTAL COVE MARINA
CT FISHERIES - DEP
CT STATE CAPITOL
CTR QUANTITATIVE SCI HR-20
CUB SCOUT PACK #82
CULVER CITY MIDDLE SCHOOL
CURRENTS MAGAZINE

Appendix 1: Organizations Requesting Information from MDIO (cont.)

CURRICULUM CENTER PS 108
CURRY SCHOOL OF EDUCATION UVA
CUSTODIO ROE & ASSOCIATES
CYPRESS CREEK HIGH SCHOOL
CYPRESS CREEK MARINA
CYPRESS GROVE PRESERVE
CZM FIRST DISTRICT COURTHOUSE
D & C EQUIPMENT
DADAE CO PARKS DEPT
DAKIS MARINE SERVICE
DALLAS MORNING NEWS
DALY REALTY
DANDY HAVEN MARINA
DANIELS MIDDLE SCHOOL
DANVILLE MIDDLE SCHOOL SCI DEPT
DARBIE LANDING MARINA
DAUPHIN ISLAND SEA LAB
DAVE GARRETT SAILING
DAVID LOWE'S BOAT YARD INC
DAVID RESEARCH CENTER
DAVID TAYLOR RESEARCH CENTER
DAVIDSON MARINA INC
DAWSON COLLEGE
DAYTONA MARINA & BOAT WORKS
DE DEPT OF NATURAL RESOURCES
DE LA BAHIA CONDOMIUMS
DEEP RIVER MARINA INC
DEER FLAT NATIONAL WILDLIFE REFUG
DEER HARBOR BOATWORKS
DEER ISLE CONSERVATION COMMISSION
DEFENDERS OF WILDLIFE
DEFENDERS OF WILDLIFE
DEFENDERS OF WILDLIFE
DELAND HIGH SCHOOL
DELAND HIGH SCHOOL
DELAWARE DEPT NATURAL RESOURCES
DELAWARE SOLID WASTE AUTHORITY
DELEGAL CREEK MARINA
DELMARINE
DELTA MOLDS INC
DEMOCRATIC STUDY GROUP
DEPARTMENT OF BIOLOGY
DEPARTMENT OF CONSERVATION & NATU
DEPARTMENT OF EDUCATION
DEPARTMENT OF ENVIRONMENTAL REGUL
DEPARTMENT OF FISH AND GAME
DEPARTMENT OF FISH AND WILDLIFE
DEPARTMENT OF FISHERIES
DEPARTMENT OF GEOLOGY
DEPARTMENT OF P.R.T.
DEPARTMENT OF SANITATION
DEPARTMENT OF SCIENCE
DEPARTMENT OF WILDLIFE AND RANGE
DEPARTMENT OF ZOOLOGY
DEPT ENVIRONMENTAL MGMT

Appendix 1: Organizations Requesting Information from MDIO (cont.)

DEPT FOOD & AGRICULTURE
DEPT HEALTH SERVICES
DEPT LAND & NATURAL RESOURCES
DEPT OF AGRIC & RESOURCES
DEPT OF BIOLOGY
DEPT OF COMMERCE NOAA 5814
DEPT OF ECOLOGY
DEPT OF ECOLOGY STATE OF WASH
DEPT OF ENVIRON RESOURCES
DEPT OF ENVIRONMENTAL MANAGEMENT
DEPT OF ENVIRONMENTAL PROTECTION
DEPT OF FISHERIES & OCEANS
DEPT OF GEOLOGY
DEPT OF HEALTH
DEPT OF LAND & NATURAL RESOURCES
DEPT OF MARINE SCIENCE
DEPT OF MARITIME STUDIES UWCC
DEPT OF NATURAL RES. W VIRGINIA
DEPT OF NATURAL RESOURCES
DEPT OF NATURAL RESOURCES
DEPT OF NATURAL RESOURCES/COM DEV
DEPT OF OCEANOGRAPHY UNIV HI
DEPT OF PAPER SCIENCE ENGINEERING
DEPT OF RESOURCE ECONOMICS
DEPT OF SOCIOLOGY UNIV OF NC
DEPT OF THE NAVY
DEPT OF WASTE MANAGEMENT
DEPT. OF BIOLOGY
DEPT. OF CONSERVATION NORTHERN R
DEPT. OF ENV MANAGEMENT OSCAR PR
DEPT. OF ENVIRONMENTAL MANAGEMENT
DEPT. OF FISH AND WILDLIFE
DEPT. OF INT. NAT. PARK SERVICE
DERING HARBOR MARINA
DESIGN BUILDERS INC.
DESIGN COLLABORATIVE
DESIGNERS & PLANNERS
DIAMOND 99 MARINA & YACHT SALES
DIETZ ENTERPRISES
DION'S YACHT YARD INC
DIRECTIONS
DIRECTOR OF OUTDOOR RECREATION
DISCOVER
DISTRICT MEDIA CENTER
DITTO LANDING
DIV AQUATIC RES DEPT LAND NAT RES
DIV FISHING GROUND ENV CONSERV
DIV FORESTRY WILDLIFE DLNR
DIV OF GOVERNMENTAL COORDINATION
DIV OF OIL AND GAS
DIV OF RECYCLING
DIVISION OF COASTAL ZONE MANAGEME
DIVISION OF ENVIRONMENTAL COORDIN
DIVISION OF FISH GAME AND WILDLIF
DLNR DIV OF AQUATIC RESOURCES

Appendix 1: Organizations Requesting Information from MDIO (cont.)

DOCKO INC
DOCKSIDE MARKETPLACE & MARINA
DOCKSIDER CONDOS
DOI OFFICE OF PROGRAM ANALYSIS
DOLPHIN DATA BASE
DON PEDRO RECREATION AGENCY
DOVER-SHERBORN SUBURBAN PRESS
DOW CHEMICAL
DOW CHEMICAL CO.
DRUCKER & FALK
DRY-STAK MARINAS
DTF MARINA INC
DU BOSE MIDDLE SCHOOL
DUDLEY'S MARINA INC
DUNLAPS INTRACOASTAL MOTEL/BOAT
DUPONT CO.
DUTCH HARVOR BOAT YARD
DUTCHMEN COVE MARINA
DYNA MAC CORP
DYNAMIC CORPORATION
E O SMITH HIGH SCHOOL
E P A
E.I. DUPONT DE NEMOURS & CO.
EAGLE HARBOR MARINA
EARTH CIRCLE
EARTH RALLY
EARTH TRUST
EAST BAY CONSERVATION CORPS
EAST BAY CONSERVATION CORPS
EAST BAY CONSERVATION CORPS
EAST BAY MARINA & BOSTON HARBOR
EAST FORSYTH HIGH SCHOOL
EAST PASSAGE YACHTING CENTER
EASTERN MARKETING ASSOCIATES
EASTERN RESEARCH GROUP INC
EASTH ISLAND INSTITUTE
EAU GALLIZ YACHT CLUB
ECO-SLOW
ECOLOGY ACTION
ECOLOGY ACTION-SANTA CRUZ
ECOLOGY YOUTH CORPS
ECOLYTE
EDNA LIBBY SCHOOL LIBRARY OFFICE
EDUCATION #105
EDUCATIONAL COMMUNICATIONS, INC.
EDWARDS BOATYARD INC
EICHENLAUB MARINE
EIGHTEEN NORTHEAST CORP
EIGHTH COAST GUARD DISTRICT
EL CARIBE MOTEL
EL LAGO MARINA (TEXAS)
ELEPHANT BUTTE RESORT MARINA
ELEVENTH COAST GUARD DISTRICT
ELEVENTH COAST GUARD DISTRICT
ELEVENTH COAST GUARD DISTRICT

Appendix 1: Organizations Requesting Information from MDIO (cont.)

ELEVENTH COAST GUARD DISTRICT
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ELEVENTH COAST GUARD DISTRICT
ELIZABETH LENE SCHOOL
ELKCAM CIRCLE MARINA PROJECT
EMBARCADERO DOCK LTD
ENERGY MANAGEMENT CENTER
ENGINEERING DEPARTMENT
ENV. CENTER OF SAN LOUIS OBISBO
ENVIRONMENTAL CENTER
ENVIRONMENTAL CENTER - MDCC
ENVIRONMENTAL CENTER OF SLO
ENVIRONMENTAL CONF/DELAND HS
ENVIRONMENTAL CONTROL INC.
ENVIRONMENTAL DEFENSE FUND
ENVIRONMENTAL EDUCATION PROJECT
ENVIRONMENTAL ENGINEER, CONSULTIN
ENVIRONMENTAL ENGINEERING
ENVIRONMENTAL HEALTH COALITION
ENVIRONMENTAL NATURE CENTER
ENVIRONMENTAL PLANNING OFF
ENVIRONMENTAL STUDIES CENTER
EPA
EPA PM-220
EPA (6W-QT)
EPA JOURNAL
EPA LIBRARY
EPA OFFICE MARINE & EST PROT
EPA REG III WATE MANAGEMENT DIV.
EPA W-71
EPA W-71
EPA-OMEP
EPA-REGION IV

Appendix 1: Organizations Requesting Information from MDIO (cont.)

ERIE WESTERN PA PORT AUTHORITY
ESCAMBIA COUNRTY MARINE RECREATIO
ESQUIRE HILLS SCHOOL
ESSEX BOAT WORKS INC
ESSEX ISLAND MARINA
ESTELLE ELEMENTARY SCHOOL
ETON ELEMENTARY
EUGENE PUBLIC SCHOOLS
EUREKA ICE & COLD STORAGE
EURO-BEAUTY SA
EVEREST ENVIRONMENTAL EXPEDITION
EXHIBITS DEPT. MD SCIENCE CENTER
EXXON CHEMICAL
EXXON CHEMICAL AMERICAS
EXXON COMMAND CENTER
EXXON COMMAND CENTER
EXXON SHIPPING COMPANY
F/V CITY OF EUREKA
FAIR HAVEN YACHT WORKS
FAIRFAY YACHT CLUB DEVT CORP
FAIRWINDS COVE MARINA ASSOC INC
FALMOUTH MARINE INC
FAR SEAS FISH RESEARCH LAB
FARLEY STATE MARINA
FARO BLANCO MARINA
FCSHWM
FEHR BORS. INDUSTRIES INC.
FERNANDINA HARBOUR MARINA
FIA DEPT. OF NATURAL RESOURCES
FIELD PUBLICATIONS
FIFTH COAST GUARD DISTRICT
FILM BANK-(MAKING PSA'S)
FIN FINDERS CHARTERS
FINDLAY MARINA INC
FINFISH & CRUSTACEANS UNIT- NYS D
FIRE ISLAND NATIONAL FISHERIES
FIRE ISLAND NATIONAL SEASHORE
FIRST COAST GUARD DISTRICT
FIRST NATIONAL BANK & TRUST
FISH AND WILDLIFE SERVICE
FISHERIES AGENCY OF JAPAN
FISHERIES AND OCEANS
FISHING VESSELS
FITZGERALD MARINE RESERVE
FL DEPT OF NATL RESOURCES
FL GAME & FRESHWATER FISH COMM
FL OCEANOGRAPHIC SOCIETY
FL USCG AUXILIARY DIS. 7 4TH DIV.
FLEISHMAN HILLARD
FLEMING JUNIOR HIGH SCHOOL
FLEMING MARINE MANAGEMENT
FLORIDA ATLANTIC UNIVERSITY
FLORIDA BIRD
FLORIDA DEPARTMENT OF ENVIRONMENT
FLORIDA GAME AND FRESH WATER FISH

Appendix 1: Organizations Requesting Information from MDIO (cont.)

FLORIDA MARINE SHOWCASE
FLORIDA NATIONAL BANK
FLORIDA NATIONAL HIGH ADVENTURE S
FLORIDA NAUTICA INC.
FLORIDA OCEANOGRAPHIC SOCIETY
FLORIDA OFFSHORE MAGAZINE
FLORIDA POWER AND LIGHT
FLORIDA SEA GRANT EXT PROGRAM
FLORIDA SEA GRANT EXTENSION PROGR
FLORIDA TODAY
FLOWER BUFF JR. HIGH SCHOOL
FO'C'LE MARINA & RESTAURANT
FOGELMAN PROPERTIES INC
FOLLY MARINA
FORESTRY DIVISION
FORT HOWARD INC.
FORT MACON STATE PARK
FORT PIERCE CITY MARINA
FORUM COMPANIES
FOSSIL RIM FOUNDATION
FOUR C'S MARINA
FOUR SEASONS MARINA
FOUR WINDS ON THE RIVER
FOURTEENTH COAST 1026 CABRAS HWY
FOURTEENTH COAST GUARD DISTRICT
FOURTEENTH COAST GUARD DISTRICT
FOURWINDS MARINA
FOX RIVER MARINA
FRAME BY FRAME PRODUCTIONS INC.
FRANK HALL BOATYARD
FRANK PAUL SCHOOL
FRANKLIN ASSOCIATION
FRANKLIN CO. LITTER PREVENTION
FRANKLIN COUNTY OFFICE OF LITTER
FREEPORT HIGH SCHOOL
FRIENDS OF THE EARTH NW OFF
FRIENDS OF THE NATIONAL ZOO
FT LOUDON MARINA
FT MACON MARINA INC
FUDENA AVENIDA PRINCIPAL LOS CORT
FURURIST MAGAZINE
GAGE INDUSTRIES INC.
GAIA PACIFICA
GALES FERRY MARINA
GALLEY RESOURCES
GAMBETTA MIDDLE SCHOOL
GANGPLANK MARINA
GANNETT ROCHESTER NEWSPAPER
GARBAGE MAGAZINE
GARDEN CLUBS OF MARYLAND
GARDEN DESIGN MAGAZINE
GARFIELD YEAR ROUND SCHOOL
GATEWAY MAGAZINE
GATEWAY MARINAS
GATEWAY NAT'L RECEPTION AREA

Appendix 1: Organizations Requesting Information from MDIO (cont.)

GENERAL ASSEMBLY OF NJ
GENERAL FEDERATION OF WOMEN'S CLU
GEO CENTERS INC
GEORGE MILLS GENERAL STORE
GEORGIA DEPARTMENT OF NATURAL RES
GEORGIA MATHEWS ELEMENTARY
GERRY'S MARINA
GILDERSLEEVE MIDDLE SCHOOL
GILFORD MARINE SERVICES
GINALSKI'S BOATYARD
GIRL SCOUTS
GIVENS SCHOOL
GLEN CRAFT MARINA & RESORT INC
GLEN HARBOR MARINA
GLEN ISLAND YACHT CLUB
GLENDO MARINA
GLOBAL MARINE DRILLING CO.
GLOBAL TOMORROW COALITION
GLOUCHESTER TIMES
GOAT ISLAND MARINA
GOING FISHING CONFERENCE: THE BOS
GOOD MORNING AMERICA
GOODSELL POINT MARINA
GOVERNOR PROTECTION AGENCY
GOVERNOR'S PRESS OFFICE
GRAND MANAN WHALE&SEABIRD RES. CT
GRANTS PROGRAM
GRANTS PROGRAM DIV RECYCLING
GRASSY SOUND MARINA INC
GREAT AMERICAN BOAT YARDS
GREAT EGG BAY SAILING MARINA
GREAT LAKES UNITED SUNY BUFFALO
GREEN CAY MARINA
GREEN COVE MARINA
GREENPEACE NEW ZEALAND
GREENPEACE NEW ZEALAND
GREENPEACE USA
GREENPORT YACHT & SHIPBUILDING CO
GREENSPORT MARINA
GREENWICH COVE MARINA INC
GREENWOOD MARINA
GREENWOOD SCHOOL
GROTON MARINE DOCK SERVICE
GROUP II MARINA LTD
GROUP PORTLAND
GROVE KEY MARINA INC
GUAM POLICE DEPT BOAT SAFETY PROG
GUILFORD BOAT YARDS
GULF COAST CONSERVATION ASSOC
GULF COAST RESEARCH LAB
GULF HARBOR MARINA
GULF ISLANDS NATIONAL SEASHORE
GULF MIDDLE SCHOOL
GULF OF FARALLONES NATIONAL MARIN
GULF WIDE BEACH CLEANUP 89

Appendix 1: Organizations Requesting Information from MDIO (cont.)

GULL POINT MARINA
GUNDLACH'S MARINA INC
H & N FISH COMPANY
H/M/S ADVERTISING
HAAS JR. HIGH SCIENCE CLUB
HABERSHAM MARINA
HAILEY ELEMENTARY SCHOOL
HALF MOON BAY REVIEW
HALL OF FAME MARINA
HALLE MARINE INC
HAMILTON CREEK MARINA
HAMMOND HEALTH DEPARTMENT
HAMMOND MARINA INC
HAMPTON CLEAN CITY
HAMPTON OCEAN CITY
HANCOCK COUNTY SOIL AND WATER CON
HANEMANN AND ASSOCIATES
HANOVER JR. HIGH
HARBOR BAY MARINA
HARBOR COMMISSION OF SANTA BARBAR
HARBOR DEL SOL
HARBOR HIDEAWAY MARINA
HARBOR HILL MARINA INC
HARBOR INN & DECK RESTAURANT
HARBOR MARINE OF EAST HAMPTON
HARBOR MASTER
HARBOR NORTH MARINA
HARBOR ONE
HARBOR SOUTHEAST DEVELOPMENT CO
HARBOR TOWN YACHT CLUB
HARBOR VILLAGE MARINA
HARBOR VILLAGE MARINA
HARBOR/MARINA MGMT INC
HARBORSIDE CONDO ASSOC
HARBOUR GATE MARINA
HARBOUR LIGHTS MARINA
HARBOUR MGMT/HARBOR COVE MARINA
HARBOUR TOWNE MARINA
HARDY JONES PRODUCTIONS
HARPOR AND ROW
HARRIS BAY YACHT CLUB
HARRISON COUNTY SWCD
HARRY'S MARINE REPAIR
HARTGE YACHT YARD INC
HATFIELD MARINE CTR BOOKSHOP
HATFIELD MARINE SCIENCE CENTER
HAVEN HARBOUR BOATYARD & MARINA
HAVERFORD SCHOOL
HAVERFORD SENIOR HIGH SCHOOL
HAVERSTRAW MARINA CORP
HAWAII DEPARTMENT OF LAND AND NAT
HAWAII STATE LITTER CONTROL OFF
HAWAIIAN AFFAIRS MAUI
HAWAIIAN TROPIC INC
HAWAIIAN/PACIFIC ISLANDS NWR COMP

Appendix 1: Organizations Requesting Information from MDIO (cont.)

HAZELTON SCHOOL
HEAL THE BAY
HEART
HEERAADSSINGEL 193
HEIMANN-HUBBARD STUDIOS
HENDERSON'S WHARF MARINA
HENRY S. MOSS MIDDLE SCHOOL
HEWITT'S COVE MARINA INC
HI DEPT LAND & NATL RESOURCES
HI STATE LITTER CONTROL OFFICE
HI-TIDE MARINE CONSTRUCTION
HICKORY HARBOR CONDOMINIUM
HIGHER ACHIEVEMENT PROGRAM
HIGHLAND FALLS MARINA
HIGHWAY HERALD MAGAZINE
HINES MIDDLE SCHOOL
HINESVILLE LIBERTY COUNTY CLEAN C
HOG SPRINGS SCHOOL
HOGAN HIGH SCHOOL
HOLIDAY MARINA
HOLIDAY MARINA
HOLIDAY ON LAKE LANIER
HOLLISTER SCHOOL 5TH GRADE
HONEY ROCK CAMP
HONG KONG GOVT. PROT DEPT HEADQRT
HOOD ENTERPRISES
HOONAH PUBLIC SCHOOLS
HOONAH PUBLIC SCHOOLS
HORSESHOE BEND MARINA
HOTY ENTERPRISES INC
HOUSTON ENDOWMENT FDTN
HOWARD COMPANY PUBLIC SCHOOL
HRAES
HUD
HUDSON MARINA
HUMAINE SERVICES OF MIDDLE GEORGI
HUMBOLDT FISHING MARKETING ASSOC
HUNTSMAN CHEM CORPORATION
HYANNIS MARINE
HYDE PARK MARINA
HYDE PUBLIC RELATIONS
HYDROQUAL INC. .
I LOVE A CLEAN SAN DIEGO
ILL CONSERVATION NO POINT
ILLINOIS TOOL WORKS
IN USCG AUXILIARY FC09W/01/06
INDIAN HARBOUR MARINA
INDIAN RIVER CLUB
INDIAN RIVER PLANTATION RESORT
INDIANAPOLIS ZOO
INDUSTRIAL CENTER BLDG
INDUSTRIAL WASTE SERVICE
INLAND MARINA INC
INLET HARBOR MARINA
INLET MARINE SALES & SVC INC

Appendix 1: Organizations Requesting Information from MDIO (cont.)

INLET SALMON
INSIGHT ON THE NEWS
INSTITUTE FOR POLICY STUDIES
INSTITUTE FOR RESEARCH LEARNING
INSTITUTE FOR RESEARCH ON LEARNIN
ISTITUTO DI ZOOLOGIA
INTERAGANCY TASK FORCE PP2
INTERNAT'L GAMEFISH RELEASE & ENH
INTERNAT'L MARINE LIFE ALLIANCE
INTERNATIONAL COMPACTOR INC.
INTERNATIONAL FISH, INC.
INTERNATIONAL NEWS INC.
INTERNATIONAL PAPER
INTERNATL AFF DIV FISHERIES AGCY
INTERNATL COMM OF PASSENGER LINES
INTRACOASTAL MARINE CONSTRUCTION
IPS
IRISH BOAT SHOP
IRONTON COVE MARINA
IRWIN'S YACHT WORKS
ISLA DEL-SOL MARINA
ISLAND COVE MARINA
ISLAND HARBOR MARINA
ISLAND HOUSE SOUTHWEST
ISRAEL O & LR LTD & NATL INST
ITHACA BOATING CENTER INC
IWAL OUTDOOR AMERICA
IWLA
IZU-MITO SEA PARADISE
JACKSON MARINE CENTER
JACKSON'S MARINA
JAMES PEPITONE & CO
JAMESTOWN BOAT YARD
JAMESTOWN RESORT & MARINA
JARREL'S COVE MARINA
JEFFERSON BEACH MARINA
JEFFERSON ELEMENTARY
JEFFERSON INDOOR MARINA INC
JEFFERSON MADISON REGIONAL LIB.
JEFFERSON SCHOOL
JENIFER ELEMENTARY SCHOOL
JERRY'S MARINA INC
JL SCOTT MARINE
JOHN CABOT CO.
JOHN G. SHIDD AQUARIUM
JOHN L CARLJA & SON BOATWORKS
JOHN WAYNE MARINA
JOHNSON BROTHERS BOAT WORKS
JOINT COMMITTEE ON FISHERIES
JONATHAN'S LANDING MARINA
JONES LANE ELEMENTARY
JORDAN BAY MARINA
JUNIOR MUSEUM OF BAY COUNTY
JUNIOR WICOMICO WOMAN'S CLUB
KAICO MARINAS

Appendix 1: Organizations Requesting Information from MDIO (cont.)

KAMBER GROUP
KAPPAS YACHT HARBOR
KARY PRESBYTARIAN CHURCH
KCET NEWS
KCET-TV PBS
KEAN'S DETROIT YACHT HARBOR
KEARNEY/CENTAUR DIV A T KEARNEY
KECO CO
KEEP AMERICA BEAUTIFUL
KEEP BREVARD BEAUTIFUL
KEEP JACKSONVILLE BEAUTIFUL
KEEP JACKSONVILLE BEAUTIFUL COMM
KEEP MOBILE BEAUTIFUL
KEEP PROVIDENCE BEAUTIFUL
KEESLER AFB MARINA
KELLEY MARINA DEVELOPMENT CO
KENLAKE MARINA CORP
KENT'S HARBOR INC
KENTUCKY DAM MARINA
KENTUCKY DEPARTMENT OF EDUCATION
KENTUCKY DEPT OF HEALTH SERVICES
KETTENBURG MARINE
KEY LARGO NATIONAL MARINE SANCT
KEY POWER INC
KEYES MARTIN
KEYSTONE CENTER
KEYSTONE POINT MARINA
KIBSD MAIN ELEMENTARY
KLJK MAGAZINE
KING FEATURES SYNDICATE
KING HARBOR MARINA
KING ISLAND RESORT
KINGMAN MARINE
KINGS GAP ENV ED CENTER
KINGS RIVER MARINA
KNAUER GEGRIG AD & PUB REL
KODIAK AUDUBON
KODIAK DAILY MIRROR
KODIAK NATIONAL WILDLIFE REFUGE
KONA CORP
KOREAN DISTANT WATER SQUID
KOST RADIO
KQED TV 9
KRESSER-CRAIG
KVC MARINA CORP
KY CORPS OF ENGINEERS
KY USCG MSO COMMANDING OFFICER
L & H ELECTRONICS
L A CALPING OFFICE
LA ARBORETUM
LA CO DEPT OF BEACHES & HARBORS
LA CROSSE BOAT HARBOR INC
LA DEPT BEACHES & HARBORS
LA DEPT OF CULTURE/REC & TOURISM
LA GEOLOGICAL SURVEY

Appendix 1: Organizations Requesting Information from MDIO (cont.)

LA HARBOR COLLEGE
LA UNIVERSITIES MARINE CONSORTIUM
LA USCG PORT OPERATIONS DIVISION
LA VIDA MARINA
LADD & STOCKTON MARINA INC
LAKE APACHE RESORT
LAKE BARRINGTON SHORES MARINA
LAKE MARION RESORT & MARINA
LAKE MEAD RESORT MARINA
LAKE MENDOCINO MARINA
LAKE ONTARIO MARINERS MARINA
LAKE PARK MARINA
LAKE RED ROCK MARINA LTD
LAKE UNION LANDING
LAKESHORE MARINA
LAKEWAY MARINA
LAKEWOOD YACHT CLUB
LAMAY'S MARINALAND
LAMBS YACHT CENTER INC
LAMPE MARINA
LAN-MAR MARINA DRY STACK DIV
LAPEL ELEMENTARY SCHOOL
LARSEN MARINE SERVICES
LATITUDE 38 MAGAZINE
LAUDERDALE MARINA INC
LAUDERDALE YACHT BASIN
LAUREL HARBOR MARINA
LAURENS COUNTY EXTENSION SERVICE
LAVA BEDS NATIONAL MONUMENT
LAW DEPARTMENT
LAWSON-FISHER ASSOCIATES
LAZY DAYS MARINA
LAZY DAYS MARINA
LCDR PROGRAM DEVELOPMENT BRANCH
LEASING AND ENVIRONMENT DEPT
LEISURE POINT
LEMON BAY HIGH SCHOOL
LENTZE MARINA
LEONARDO DA VINCI SPECIAL ED DEPT
LIBERTY HIGH SCHOOL
LIBERTY MARINA AT DANVERS
LIBRARY OF CONGRESS
LIDA LEE TALL SCHOOL
LIGHTHOUSE BAY MARINA
LIGHTHOUSE MARINA
LIGHTHOUSE POINT MARINA
LIMESTONE BAY YACHT CLUB
LIPSON
LITHIA SPRINGS MARINA
LITTER PREVENTION AND RECYCLING P
LITTLE RIVER CHAMBER OF COMMERCE
LITTLE RIVER MARINA
LOCK HOUSE MARINA
LOCUST POINT MARINA
LOE'S HIGHPORT RESORT & MARINA

Appendix 1: Organizations Requesting Information from MDIO (cont.)

LOGAN PARK MARINE
LONG BEACH MARINE BUREAU
LONG BEACH SCHOOL ENV. STUDIES CE
LONG COVE MARINA
LONG MARINE LAB
LONG MARINE LAB BOOKSTORE
LONG QUAY MARINA
LONGFELLOW MS
LOOE KEY NATIONAL MARINE SANC.
LORD STIRLING SCHOOL
LOUISIANA COOPERATIVE EXTENSION
LOUISIANA GEOLOGICAL SURVEY
LOUISIANA GRAND ISLE/SIERRA CLUB
LOUISIANA SEA GRANT
LOUISIANA SEA GRANT
LUCIUS BEEBE MEMORIAL LIBRARY
LUM CON LIBRARY
LYMAN-MORSE MARINA
LYNCHBURG ELEMENTARY SCHOOL
LYON/SETAUKET HARBOR BOAT BASIN
M H & L MARINA
MA AUDUBON HATHEWAY LIBRARY
MA COASTAL ZONE MANAGEMENT
MA EPA
MA SEA GRANT PROGRAM
MACIEL MARINE LTD
MACK SAILS
MACKAY ISLAND NATIONAL WILDLIFE R
MADAKET MARINE DIV HITHER CREEK
MADELINE ISLAND YACHT CLUB
MADISON NORTH JAYCESS
MADISON PUBLIC SCHOOLS
MAGOTHY
MAHOPAC MARINE
MAIN ELEMENTARY
MAIN ONE MARINA INC
MAIN PIER MARINA
MAINE CHAMBER OF COMMERCE & IND
MAINE COASTAL PROGRAM
MAINE MARITIME ACADEMY
MAINE STATE PLANNING OFFICE
MAKANI KAI MARINE
MALLETT'S BAY MARINA
MANATEE COUNTY PORT AUTHORITY
MANSION MARINA INC
MANUFACTURERS HANOVER TRUST & CO.
MARGO'S INN & MARINA INC
MARINA AT SOMES LANDING
MARINA BAY YACHT BASIN
MARINA BERTH
MARINA COVE LTD
MARINA DEL MAR
MARINA DEL ORO
MARINA DEL RAY
MARINA INTERNATIONAL HOTEL

Appendix 1: Organizations Requesting Information from MDIO (cont.)

MARINA PUERO RD REX
MARINA VILLAGE
MARINE ADVISORY PROGRAM UNIV AK
MARINE AFFAIRS PRG-DALHOUSIE UNIV
MARINE COASTAL PROGRAM
MARINE CULTURE CLUB
MARINE DEBRIS & ENTANG PROG
MARINE DEBRIS ACTION GROUP
MARINE DEBRIS CONSULTANTS
MARINE DIESEL ANALYSTS, INC.
MARINE DRIVE CENTER CORP
MARINE EAST MARINA
MARINE ECOLOGICAL INSTITUTE
MARINE ENTANGLEMENT RESEARCH PRG
MARINE ENVIR DIV INTRNATL MARITM
MARINE EXTENSION SERVICE
MARINE EXTENSION SERVICE
MARINE FISHERIES COMMISSION
MARINE INDUSTRIES ASSOCIATION OF
MARINE MAMMAL COMMISSION
MARINE MAMMAL COMMISSION
MARINE MAMMAL COMMISSION
MARINE MAMMAL RESEARCH GROUP
MARINE MAMMAL STRANDING CENTER
MARINE MARITIME ACADEMY
MARINE OPERATIONS
MARINE OPTION PROGRAM
MARINE RES. COUNCIL OF E. FLORIDA
MARINE RESOURCES DEVELOPMENT FOUN
MARINE SAFETY DIV USCG
MARINE SAFETY OFF-PLANNING OFF
MARINE SAFETY SCHOOLS
MARINE SCIENCE CENTER
MARINE SCIENCE INST UNIV TX
MARINE SCIENCE INSTITUTE
MARINE SCIENCE RESEARCH CENTER
MARINE TECHNOLOGY SOCIETY
MARINE TURTLE RESEARCH GROUP
MARINE WORLD AFRICA USA ED DEPT
MARINELAND
MARINER'S CAY
MARINER'S COVE MARINE
MARINER'S COVER MARINA
MARINER'S VILLAGE MARINA
MARINER'S WEATHER LOG
MARINERS BAY CONDOMINIUM
MARIPOSA ELEMENTARY SCHOOL
MARITIME ADMINISTRATION
MARITIME CENTER OF LONG ISLAND
MARITIME LUMBER SUPPLY, INC.
MARITIME OVERSEAS COMPANY
MARITIME ADMINISTRATION - DOT
MARLIN
MARLIN QUAY MARINA
MARSHALL FORD MARINA

Appendix 1: Organizations Requesting Information from MDIO (cont.)

MARSTAL NAVIGATIONSSKOLE
MARTHA'S VINEYARD SHIPYARD INC
MARTIN DOWNS YACHT CLUB
MARYLAND SCIENCE CENTER
MARYLAND STATE CONSERVATION
MARYLAND UNIVERSITY
MASHOMACK PRESERVE (NATURE CONS)
MASS PORT AUTHORITY
MASS PORT AUTHORITY
MASS. DIVISION OF WATER RESOURCES
MASS. WATER RESOURCE AUTHORITY
MASSACHUSETTES OFFICE OF ENVIRONM
MASSACHUSETTS AUDUBON SOCIETY
MASTERS, MATES, & PILOTS
MASTHEAD MARINA
MATERIALS SCIENCE AND ENGINEERING
MATHEMATICS & SCIENCE CENTER
MATT-A-MAR MARINA
MATITUCK INLET MARINA & SHIPYARD
MAUI OCEAN CENTER
MAULE LAKE MARINA
MAUNA LANI RESORT INC
MAURICE K GODDARD STATE PARK
MAXON MARINA & CLUB
MC ASHEN FDTN
MCGAHA ELEMENTARY SCHOOL
MD DEPT. OF NATURAL RESOURCES
MD SCIENCE CENTER
ME STATE PLANNING OFFICE
MEADOWVIEW MARINA
MECCANICA
MEDICAL CENTER COOP
MEDILL NEWS SERVICE
MEECO MARINAS
MEMORIAL SCHOOL
MENASHA CORP MOLDED PROD DIV
MENDOCINO CO BD OF SUPERVISORS
MENOMINEE RIVER MARINA
MERCER COUNTY LITTER PREVENTION
MERCHANT MARINE FISHERIES COMM
MEREDITH MARINA
MERP
MERRICK TACKLE CENTER
MERRILL STEVNS DRY DOCK CO
MESA ALTA JR. HIGH
METROPOLITAN AREA PLANNING COUNCI
MIAMARINA BAYSIDE
MIAMARINA INC
MIAMI BEACH MARINA
MIAMI BOAT CO INC
MIAMI DADE COMM COLL
MIAMI HERALD
MIAMI RIVER INFORMATION SERVICE
MICHIGAN DNR WATERWAYS DIV
MID-ATLANTIC FISHERY MANAGEMENT C

Appendix 1: Organizations Requesting Information from MDIO (cont.)

MIDCOAST AUDUBON
MIDCONTINENT MARINA SERVICES INC
MIDDLE COVE MARINA
MIDDLESEX CO. LITTER CONTROL COM.
MIDWAY MARINA INC
MILFORD BOATWORKS
MILITARY SEA LIFT COMMAND
MILL COVE POND MARINA
MILL CREEK MARINA
MILLER HIGH SCHOOL
MILTONA ELEMENTARY
MILWAUKEE YACHT CLUB
MINERALS MANAGEMENT SERVICE
MINERALS MANAGEMENT SERVICE
MINIST AGRIC & FISHERIES FISH CTR
MINN DEPT. OF NAT. RESOURCES
MINN POLLUTION CENTER AGENCY
MINNESOTA BEACH YACHT BASIN INC
MINNESOTA SEA GRANT
MINNESOTA WASTE MANGEMENT BOARD
MISENER SHIPPING
MISS DEPT WILDLIFE
MISSISSIPPI PORT AUTHORITY
MIT INTERNATIONAL SHIPPING CLUB
MIT SEA GRANT COLLEGE PROGRAM
MKS/CARLSON'S MARINA
MO DEPT OF NAT. RES.
MOBILE ENTERPRISES INC
MOBILE FIELD OFFICE
MOES MARINE
MOFFATT & NICHOLS ENG
MOLECULAR SCI & CHEM
MONROES LIMOUSINE
MONTANA DEPT OF FISH
MONTAUK LAKE CLUB & MARINA
MONTEBELLO HIGH SCHOOL
MONTEREY BAY AQUARIUM
MONTEREY MARINE INC
MONTESSORI CHILDREN'S HOUSE
MONTEZUMA CORTEZ SCHOOLS WHSE
MONTGOMERY CO FACILITIES MGMNT
MONTGOMERY CO. OF OF LITTER CTRL
MORELAND SCHOOL DIST
MORTON TOWERS
MOSS LANDING MARINE LABORATORIES
MS DEPARTMENT OF WILDLIFE
MS DEPT OF WILDLIFE CONSERVATION
MS-AL COMMUNICATOR
MS-AL SEA GRANT CONSORTIUM
MT. PLEASANT RECREATION DEPT
MULLER BAY COMPANY
MUNI OF ANCHORAGE-COASTAL ZONE
MUNICIPALITY OF ANCHORAGE
MUSCONGUS MARINA & BLDG
MUTTON CREEK MARINA

Appendix 1: Organizations Requesting Information from MDIO (cont.)

MYRTLE BEACH STATE PARK
MYSTIC COVE MARINA/GY YORKHAVEN
MYSTIC MARINE BASIN
MYSTIC SHIPYARD INC
N. MONTGOMERY HIGH SCHOOL
NANTUCKET BOAT BASIN
NATIONAL AQUARIUM IN BALTIMORE
NATIONAL AUDUBON SOCIETY WESTERN
NATIONAL COALITION FOR MARINE CON
NATIONAL CORN GROWERS ASSOC.
NATIONAL FISH AND WILDLIFE FOUNDA
NATIONAL LEAGUE OF CITIES
NATIONAL MARINE EDUCATION ASSOCIA
NATIONAL MARINE FISHERIES SERVICE
NATIONAL OCEAN INDUSTRIES ASSOCIA
NATIONAL OCEAN POLLUTION PROGRAM
NATIONAL OCEAN SERVICE
NATIONAL OCEANIC & ATMOSHPERIC AS
NATIONAL PARK SERVICE
NATIONAL PARK SERVICE SE REGION
NATIONAL PARK SERVICE-GLEN CANYON
NATIONAL PARKS
NATIONAL SAVE THE SEA TURTLE FOUN
NATIONAL WILDLIFE FEDERATION
NATL FISHERIES INSTITUTE
NATL MARINE MAMMAL LAB NMFS NOAA
NATL MARINE MAMMAL LAB NWAFC NMFS
NATL SEA GRANT COLLEGE
NATL WILDLIFE HLTH RES CTR
NATURAL RESOURCES CONSULTANTS
NATURAL RESOURCES DEFENSE COUNCIL
NATURIST-NUDIST
NAUSET MARINE EAST CORP
NAUTICAL HERITAGE MUSEUM
NAUTICAL HERITAGE SOCIETY
NAUTICAL PROPERTIES INC
NAUTILUS PRESS INC
NAVAL ARCHITECTURAL ENGINEER
NAVAL AVENUE ELEMENTARY
NAVAL AVENUE SCHOOL
NAVAL AVENUE SCHOOL 3RD GRADE
NAVAL FACILITIES ENGINEERING COMM
NAVAL OCEANOLOGY & METEOROLOGY
NAVY FOOD SVC SYS OFFICE
NAVY POINT MARINA
NBC TV
NC AQUARIUM
NC DEPT OF NATURAL RESOURCES
NC DIVISION OF COASTAL MANAGEMENT
NC MARITIME MUSEUM
NC PUBLIC TV
NC SCIENCE AND TECH CENTER
NC STATE PARKS EAST DIST OFFICE
NC STATE U SCHOOL OF AGR. AND LIF
NC STATES PORT AUTHORITY

Appendix 1: Organizations Requesting Information from MDIO (cont.)

NC STATES PORT AUTHORITY
NC WILDLIFE COMMISSION
NE AQUARIUM
NE GAME & PARKS COMM DIST IV
NEEMARINA
NESHAMINY STATE PARK MARINA
NEVIS HISTORICAL AND CONSERVATION
NEW ALBANY FLOYD CO PUB LIBRARY
NEW BRUNSWICK MUSEUM
NEW ENGLAND ALIVE
NEW ENGLAND ANTI-VIVISECTION SOC
NEW ENGLAND AQUARIUM
NEW ENGLAND ENVIRONMENTAL NETWORK
NEW ENGLAND GILLNETTERS ASSOCIATI
NEW HAVEN MARINA INC
NEW JERSEY SEA GRANT
NEW JERSEY YACHT CLUB
NEW MEADOWS MARINA
NEW MELONES LAKE MARINA
NEW YORK SEA GRANT
NEW YORK SEA GRANT
NEW YORK SENATOR OWEN JOHNSON
NEW YORK STATE DEPARTMENT OF ENVI
NEWARK LITTER CONTROL PROGRAM
NEWPORT HARBOR SHIPYARD
NEWPORT ISLAND YACHT CLUB
NEWPORT MARINA
NEWPORT MARINA
NEWPORT MARINA
NEWPORT MARINA
NEWPORT YACHTING CENTER
NEWS SUN-SENTINEL
NEWSPAPER ENTERPRISE ASSOCIATION
NLIANTIC DOCKOMINIUM
NIMS SCHOOL
NINTH COAST GUARD DISTRICT
NINTY-ONE SCHOOL
NISSWA MARINA
NJ ASSEMBLY MAJORITY OFFICE
NJ DEPT OF ENV PROTECTION
NJ MARINE SCIENCES CONSORTIUM
NJ OFFICE OF THE GOVERNOR
NJ POLYMER EXT CTR
NJ SEA GRANT
NJSGMAS
NMEA NEWS
NMFS HABITAT CONS DIV
NMFS LAW ENFORCEMENT DIV
NMFS SOUTHEAST REGIONAL OFFICE
NMFS STANDING NETWORK
NMFS- OFFICE OF PROTECTED RES. &
NOAA F/CM3
NOAA FISHERIES
NOAA LIBRARY
NOAA NE FISHERIES CENTER DOC

Appendix 1: Organizations Requesting Information from MDIO (cont.)

NOAA STARTEGIC ASSESSMENT
NOAA-GCF
NOANK VILLAGE BOATYARD INC
NOCKAMIXON STATE PARK
NOCKAMIXON STATE PARK MARINA
NORMANDEAU ASSOCIATES INC.
NORTH KITSP SCHOOL DISTRICT
NORTH POINT MARINA
NORTHEASTERN UNIVERSITY
NORTHERN SOUTHEAST REGIONAL AGRIC
NORTHERN STONE SUPPLY, INC.
NORTHPORT MARINA
NORTONS SHIPYARD & MARINA INC
NORWALK COVE MARINA INC
NORWEST MARINE
NORWICH BULLETIN
NOVA WGBH
NOVCAVA MARINA
NS ENVIRON SCI CONSULT
NW & AK FISH CENTER NMFS NOAA
NWF FISH & WILDLIFE DIVISION
NY COUNCIL ON THE ENVIRONMENT
NY DAILY NEWS MAGAZINE
NY SEA GRANT CORNELL UNIV. LAB
NY SEA GRANT EXTENSION PROGRAM
NY STATE DEPARTMENT OF ENVIRONMEN
NY STATE DEPT ENVIRONMENT CONSERV
NY STATE DEPT OF CONSERVATION
NY USCG FC11-01
NYC DEPT. OF ENVIRONMENTAL PROTEC
NYLON NET COMPANY
NYS SENATE
NYS TROLLERS ASSOCIATION
O L SLATON JR HIGH SCHOOL
O/OMA31 OCEAN ASSESS DIV OFF OCNG
OAK HARBOR MARINE
OAK HARBOR YACHT YARD
OAK LEAF MARINA INC
OBERON MAGAZINE
OCEAN & COASTAL LAW CENTER
OCEAN & COASTAL LAW CENTER LIBR
OCEAN HOUSE MARINA INC
OCEAN RESEARCH FOUNDATION
OCEAN RESOURCE CONS. ALLIANCE
OCEAN RESOURCES
OCEAN RESOURCES (FISHING VESSELS)
OCEANIC GROUP LTD
OCEANIC MARINA
OCEANIC SOCIETY
OCEANIC SOCIETY _ SF BAY CHAPTER
OCEANOGRAPHIC CONSULTANTS
OCEANOGRAPHY & CONTAMINANTS BRNCH
OCEANPORT LANDING
OCEANS AND COASTAL AREAS UNEP
ODIORNE POINT VISITORS CENTER

Appendix 1: Organizations Requesting Information from MDIO (cont.)

ODNER DIV OF WILDLIFE
OFF TECH ASSESSMENT OCEANS/ENV
OFFICE OF BASIC EDUCATION STATE O
OFFICE OF CHIEF LEG. ANALYSIS
OFFICE OF PROGRAM ANALYSIS DOI
OFFICE OF SENATOR MILTON MARKS
OFFICE OF THE GOVERNOR
OFFSHORE EDITORIALS OFFICE
OHIO SEA GRANT PROGRAM
OHIO STATE UNIVERSITY
OHLONE AUDUBON SOCIETY
OK DEPT OF WILDLIFE CONSERVATION
OKEANOS OCEAN RESEARCH FOUNDATION
OKLAHOMA DEPT. OF WILDLIFE CONSER
OKLAHOMA GOVERNORS OFFICE
OKLAHOMA STATE UNIVERSITY
OKLAHOMA WILDLIFE CONSERVATION
OLALLA ELEMENTARY SCHOOL
OLD HARBOR MARINA
OLD HOUSE MARINA
OLD LYME MARINA INC
OLDFORD'S MARINA
OLVER SERVICES
OMI CORPORATION
ONEIDA LAKE MARINA INC
ONSET BAY CORP
ORANGE BEACH MARINA
ORANGE CO MARINE INSTITUTE
ORANGE COAST COLLEGE
ORANGE COUNTY MARINE INSTITUTE
ORCAS(ORGAN. FOR RESPECT & CARE)
OREGON DEPT FISH & WILDLIFE
OREGON DEPT OF FISH & GAME
OREGON MUSEUM OF SCIENCE & IND.
OREGON SEA GRANT
OREGON STATE MARINA BOARD
ORGANIC GARDENING MAGAZINE
ORGANIZED FISHERMEN OF FLORIDA
ORGANIZED FISHERMEN OF FLORIDA
ORIENTA CONDOMINIUM MARINA
ORIENTA CONDOMINIUM ASSOC
ORLANDO RECREATION BUREAU
ORLANDO SENTINAL
ORTEGA YACHT CLUB MARINA
OSCEOLA MIDDLE SCHOOL
OSTERVILLE BAY ELEMENTARY SCHOOL
OUR LADY OF MT CARMEL SCHOOL
OUR LADY OF SORROWS SCHOOL
OUTBOARD BOATING CLUB OF AMERICA
OUTDOOR RECREATION
OUTSIDE MAGAZINE
OWENS MARINA
OYSTER BAY BUREAU OF RECYCLING
OYSTER BAY MARINE CENTER INC
PA DEPT. OF ENV. RESOURCES

Appendix 1: Organizations Requesting Information from MDIO (cont.)

PAC COAST FED OF FISHERMENS ASSOC
PACE PUBLICATIONS
PACIFIC AREA OFF SW REG NMFS NOAA
PACIFIC COAST FEDERATION OF FISHE
PACIFIC COUNTY ENVIROMENTAL HLTH
PACIFIC DIVER MAGAZINE
PACIFIC INTER-CLUB YACHT ASSOC
PACIFIC MARINE FISH COMM
PACIFIC NW 4-WHEEL DRIVE ASSOC
PACIFIC QUEEN/FISHERMANS LANDING
PACIFIC SCIENCE CTR/DEPT ECOLOGY
PACIFIC STRIKE TEAM
PACIFIC TROLLERS ASSOC
PACIFIC WHALE FOUNDATION
PAGE MIDDLE SCHOOL
PALMER POINT MARINA
PALO VERDE ELEMENTARY
PANHANDLE ENVIRONMENTAL EDUCATORS
PARADISE HARBOR CONDO #1
PARADISE VILLAS CONDOMINIUMS
PARKS AND RECREATION
PARKSHORE MARINA
PARKSIDE MARINA
PARRISH CREEK BOATYARD
PARSELL'S MARINA
PARTNERS OF THE AMERICAS
PASADENA BOATEL & BEACH CLUB
PATERSON SCHOOL
PAUL IDEKER & ASSOC
PCFFA (PAC. COAST FED. OF FISHERM
PEACE COMMITTEE STRAWBERRY HILL
PECONIC RIVER YACHT BASIN
PEDIATRICS WAKE MEDICAL CENTER
PELICAN CAY
PELICAN ISLAND AUDUBON
PELICAN POINT YACHT CLUB INC
PELICAN YACHT CLUB
PENINSULA CONSERVATION CENTER
PENOBSCOT MARINE MUSEUM
PEPSI COLA
PERCY FITZPATRICK INST AFRICAN OR
PERFORMANCE DIESEL SERVICE
PERRY'S BOAT YARD
PERRY'S LANDING YACHG CLUB/MARINA
PESCADERO ELEMENTARY SCHOOL
PETERSON ELEM SCHOOL
PHEROTECH
PHILA PRIDE
PHILADELPHIA MARINE CENTER
PHILADELPHIA MARINE SERVICES
PHOENIX SHIPBUILDING
PHOTO TECH INC.
PI-CYA (COMMODORE CONFERENCE)
PICKERING WHARF MARINA
PICTURE RESEARCH

Appendix 1: Organizations Requesting Information from MDIO (cont.)

PIER 37
PIER 65 MARINA
PIER 66
PIER 66 HOTEL & MARINA
PIER 76 MARINA
PIER 76 MARINA/WESTBRK 1ST MARINA
PIER ONE MARINA
PIER POINT YACHT CLUB CONDO
PILLAR POINT HARBOR
PILLAR PT. HARBOR PATROL
PILOT BUTTE JR. HIGH SCHOOL
PILOTS POINT MARINA
PINE JOG CENTER
PINECREST SCHOOL
PINEY NARROWS YACHT HAVEN
PIRATE'S COVE MARINA
PIRATES COVE MARINA
PIRATES CROSSING
PLASTICS DIV POLYSAR INC
PLASTICS MANUFACTURING COMPANY
PLASTIGON TECHNOLOGY
PLATTSBURGH HARBOR MARINA
PLEASANT HARBOR MARINA
PLEASURE BOATING MAGAZINE
PLEASURE COVE YACHT CLUB
POCKET WATCH MARINA
POINT BREEZE MARINA
POINT ROBERTS MARINA RESORT
POLK ST SCHOOL
PON GOE GUE MARINE BASE
POOTATUCK YACHT CLUB
PORT ABILITY MARINA
PORT AFFILIATES
PORT ANNAPOLIS MARINA
PORT CANAVERAL MARINA
PORT CLINTON MARINA
PORT EDGEWOOD MARINA
PORT EVERGLADES AUTHORITY
PORT HOLE MAGAZINE
PORT IMPERIAL MARINA
PORT MANATEE
PORT MILFORD MARINA
PORT NORRIS MARINA
PORT OF ANACORTES
PORT OF BANDON
PORT OF BROOKINGS HARBOR
PORT OF CORPUS CHRISTI
PORT OF EGYPT MARINE
PORT OF EVERETT
PORT OF FRIDAY HARBOR
PORT OF GRAYS HARBOR
PORT OF GREENBAY
PORT OF ISLANDS MARINA
PORT OF LONG BEACH
PORT OF LONG BEACH

Appendix 1: Organizations Requesting Information from MDIO (cont.)

PORT OF LONG BEACH/POA PLAN DIV
PORT OF LONGVIEW
PORT OF LONGVIEW
PORT OF NEWPORT
PORT OF PASCAGOULA
PORT OF PASCAGOULA
PORT OF PORT TOWNSEND
PORT OF PORT TOWNSEND
PORT OF REDWOOD CITY
PORT OF RICHMOND
PORT OF RICHMOND
PORT OF SEATTLE
PORT OF SEATTLE ENGINEERING DEPT
PORT OF SF
PORT OF SKAGIT CO LACONNER MARINA
PORT OF TACOMA
PORT OF TACOMA
PORT OPERATIONS
PORT REGALLE
PORT RICHMOND HIGH SCHOOL
PORT ROYAL MARINA
PORT ROYALE
PORTMAN MARINA
PORTOFINO HARBOUR
PORTS AND HARBORS OUR LINK TO THE
PORTSIDE YACHT CLUB
PORTSMOUTH CLEAN COMMUNITY
POST COURIER NEWSPAPER
POT NETS/INDIAN LANDING
POWER AND MOTORYACHTS
PR USCG MARINE SAFETY OFFICE
PRAIRIE VEEM ELEMENTARY SCHOOL
PRATT MUSEUM
PREMIER CRUISE LINES
PRESQUE ISLE HARBOR
PRESQUE ISLE STATE PARK MARINA
PRESS JOURNAL
PRESS SEC TO GRAY DAVIS
PRFAA
PRINCE GALLITZIN STATE PARK
PRINCE GEORGE
PRINCETON LANDING INC
PROCTER & GAMBLE
PROEFKE ENTERPRISES
PROFESSIONAL SAILOR
PROGRAM SEA GRANT
PROGRAM SEA GRANT RUM-UPR
PROGRAMME DES NATIONS UNIES POUR
PROGRESS PLASTICS INC
PROGRESSIVE PLASTICS INC
PROJECT SEE OF. OF SPEC. SERVICES
PROJECT WILD
PROJECT WILD - MINNESOTA
PROJECT WILD, UTAH DIVISION OF WI
PROJECT WILD-MN DNR

Appendix 1: Organizations Requesting Information from MDIO (cont.)

PROTECTORS OF PINE OAK WOODS
PT REYES BIRD OBSERVATORY
PT REYES BIRD OBSERVATORY
PT REYES EDUCATIONAL PROGRAMS
PT REYES NATIONAL SERVICE
PT ROBERTS MARINA
PUENTA VISTA
PUERTO DEL RAY
PUERTO DEL REY MARINA/BCH RESORT
PUGENT SOUND BANK
QLM ASSOCIATION
QUALITY BOAT WORKS, INC.
QUANTUM CHEMICAL CORP
QUANTUM USI DIVISION
QUICK MARINE SERVICES
QUIN OIL INDUSTRIES INC
R A PASTRICK MARINA
R.W. BECK AND ASSOCIATES
RA SAILING CHARTERS
RADFORD HIGH SCHOOL
RADIO ISLAND MARINA
RAHN MARINA
RAINBOW BAY MARINA
RAINBOW HOTEL AND MARINA
RALEIGH SALTWATER SPORTFISHING CL
RAM ISLAND YACHT CLUB INC
RAM POINT MARINA INC
RAMPAGE OF STUART
RAN-DEL MARINA
RANCOBAS MARINA INC
RATHRIppen FARM RR 2
RAVEN MARINE CORP
RAYBOVICH BOAT WORKS
READERS DIGEST
RECYCLING TODAY
RED BRIDGE MARINA
RED BUD BAY MARINA
RED LION INN/COLISEUM
REDONDO BEACH MARINA
REDWOOD BOAT BASIN
REED'S MARINE INC
REEF RELIEF
REGENT POINT
REGIONAL DIR/LEO MCCARTHY'S OFFICE
REHABILITATION SERVICES
REHOBOTH BAY MOBILE HOME COMM
REMSENBURG MARINA
RENISSANCE 3
REORGANIZED SCHOOL DISTRICT R-6
REPRESENTATIVE ORTIZ
RESEARCH & ACADEMICS ISLAND INST
RESEARCH INST OF NO PAC FISHERIES
RESEARCH LIBRARY
RESEARCH TRIANGLE INSTITUTE
RESOURCE RECYCLING

Appendix 1: Organizations Requesting Information from MDIO (cont.)

REX MARINA CENTER INC
RHODE ISLAND YACHT CLUB
RI DIV OF BOATING SAFETY DEM
RI DIV OF FISH & WILDLIFE - DEM
RICHARD W.WELSFORD RESEARH GROUP
RICHLAND CHRONICAL
RICHLAND ROD & GAME CLUB
RIO ESPANIA CONDOMINIUM
RIPLEY LIGHT MARINA
RIVER FOREST MANOR & MARINA
RIVER FOREST MARINA
RIVER LAKES CONDO ASSN
RIVER LANDING MARINA
RIVER ROAD MARINA
RIVERA HIGH SCHOOL SCIENCE DEPT.
RIVERBEND MARINA
RIVERSIDE INN'S LEWISTON MARINA
RIVIERA MARINA
ROBERTS AND LLOYD
ROBERTS,CARROLL,FELDSTEIN& TUCKER
ROBINSON SCIENCE AND TECH CENTER
ROCK CANYON MARINA INC
ROCKLAND CO. CONSERVATION ASSOCIA
ROCKY MOUNTAIN CORD CO. INC.
ROLAND MARTIN'S CLEWISTON MARINA
RONDOUT YACHT BASIN
ROOSEVELT HIGH SCHOOL
ROSEMAN'S BOAT YARD
ROSENSTIEL SCH OF MAR. & ATM. SC.
ROSS GRAMMAR SCHOOL
ROTON POINT CLUB
ROYAL CARIBBEAN CRUISE LINE
ROYAL NOVA SCOTIA YACHT SQUADRON
ROYALE PALM YACHT BASIN
RTC YORKTOWN
RUBY LAKE NWR
RUDER-FINN
RUI
RUMERY'S BOATYARD INC
RUMRILL HOYT
RW BECK AND ASSOCIATES
S & H MARINA
S C SEA GRANT CONSORTIUM
SAIC
SAILBOATS INC
SAILFISH MARINA-STUART
SAILFISH POINT GOLF CLUB
SAILFISH POINT MARINA
SAILFISH POINT MARINA
SAILING FACIITY MARINA NAVAL STA
SAILSTAR MARINA
SAINT MARY'S COLLEGE
SAKONNET POINT MARINA
SALT PONDS ON THE BAY/ARMADA
SALTWATER SPORTSMAN

Appendix 1: Organizations Requesting Information from MDIO (cont.)

SALTY DAWG MARINA
SAMPSON BROTHERS BOATYARD/MARINA
SAMUAL OGLE ELEMENTARY SCHOOL
SAN DIEGO COUNTY MARINE ADVISORY
SAN DIEGO ECOLOGY CENTRE
SAN DIEGO OCEANS FOUNDATION
SAN DIEGO TRIBUNE
SAN DIEGO ZOO
SAN FRANCISCO CHRONICLE
SAN GABRIEL HIGH SCHOOL
SAN JOSE STATE UNIVERSITY
SAN JUAN BAY MARINA INC
SAN JUAN STAR
SAN LEANDRO MARINA
SAN LORENZO SCHOOL
SAN LORENZO SCHOOL-SCIENCE DEPT
SAN LORENZO VALLEY HIGH SCHOOL
SANBORN MARINE CENTER
SANDCASTLE ASSOCIATES INC
SANDY HOOK MARINE LAB
SANFORD BOAT WORKS
SANGER UNIFIED SCHOOL DISTRICT
SANIBEL-CAPTIVA CONSERVATION FOUN
SANTA ANNA ZOO
SANTA BARBARA HARBOR
SANTA CLARA VALLEY AUDUBON SOCIET
SAPPHIRE BEACH RESORT & MARINA
SARATOGA SCHOOL
SASKATCHEWAN ASSOC REHAB CTR
SASSY MARINA
SAUSE BROS PIER 20
SAVANNAH MORNING NEWS
SAVE THE EARTH PRODUCTS
SAVE THE WHALES, INC.
SAYBROOK POINT MARINA
SC COASTAL ZONE EDUCATION CENTER
SC SEA GRANT CONSORTIUM
SC STATE PORT AUTHORITY
SC WILDLIFE & MARINE RESOURCE
SC WILDLIFE FEDERATION
SC WILDLIFE MARINE RES. DEPT.
SCALI, MCCABE, SLOVES
SCH OCEAN & EARTH SCI & TECH
SCHLEIN NEWS BUREAU
SCHOLASTIC MAGAZINE
SCHOOL DISTRICT NO 25
SCHOOL OF ENGINEERING AND APPLIED
SCHOONMAKER MARINA
SCHUYLER YACHT BASIN
SCIENCE MAGAZINE
SCIENCE MUSEUM OF LONG ISLAND
SCIENTIST INFORMATION SERVICE
SCOTT'S MARINAS
SCOTT'S WEST BAY MARINA
SCOUT TROOP MASTER

Appendix 1: Organizations Requesting Information from MDIO (cont.)

SCRANTON MUSEUM
SCRIPPS AQUARIUM/CONFERENCE
SCRIPPS INSTITUTE OF OCEANOGRAPHY
SCS ENGINEERS
SE GLASS RECYCLING PROGRAM
SEA CENTER
SEA COAST ENTERPRISES ASSOC INC
SEA FREEZE PROCESSING/COLD STG
SEA GATE TOWERS CONDOMINIUMS
SEA GRANT COLL PROG UNIV HI
SEA GRANT COLLEGE PROG/UNIV OF NC
SEA GRANT COLLEGE PROGRAM
SEA GRANT COLLEGE PROGRAM UNIV PR
SEA GRANT CONSORTIUM
SEA GRANT EXT SVC
SEA GRANT EXTENSION PROGRAM
SEA GRANT EXTENSION SERVICE
SEA GRANT EXTENSION SERVICE
SEA GRANT MARINE EXT PROGRAM
SEA GRANT PROGRAM MSB
SEA HUNT
SEA LAND SERVICE, INC.
SEA LIFE PARK
SEA MAGAZINE
SEA STUDIOS
SEA WORLD EDUCATION DEPT
SEA WORLD OF OHIO EDUCATION DEPT.
SEA WORLD RESEARCH INSTITUTE
SEA-ARAMA MARINE WORLD
SEABECK ELEMENTARY SCHOOL
SEAFARER CONDO
SEAFOOD PRODUCERS COOP
SEAFOOD SOUNDINGS
SEAGATE OF HIGHLAND CONDO INC
SEAL
SEALAND SERVICE INC
SEAMIST CONDOMINIUMS
SEATOPIA
SEATTLE AQUARIUM
SEATTLE LUTHERAN
SEAWAY PROT AUTHORITY
SEAWORDS
SEBASTIAN RIVER MARINA
SEBRING CITY COUNCIL
SECOND COAST GUARD DEPARTMENT
SEMI-AH-MOO
SEMIAHMOO MARINA
SEN FARLEY STATE MARINA
SENATOR BILL BRADLEY
SENATOR LLOYD BENTSEN
SEQUIM WATER QUALITY
SEQUOIT HARBOR MARINA
SEVEN SEAS CRUISING ASSOCIATION
SEVENTEENTH COAST GUARD DISTRICT
SEVENTEENTH JUDICIAL CIRCUIT OF F

Appendix 1: Organizations Requesting Information from MDIO (cont.)

SEVENTH COAST GOARD DISTRICT
SEVERN HOUSE
SF CHRONICLE
SF CONSERVATION CORP
SF RECYCLING PROGRAM
SF RECYCLING PROGRAM EDUC DIV
SHADY HARBOR MARINA
SHANTYTOWN MARINA
SHEBOYGAN CO. WAT QLTY TASK FORCE
SHELL OIL CO CORP
SHELL OIL CO FDTN
SHELTER COVE MARINA
SHIKELLAMY STATE PARK
SHIP ASHORE MARINA
SHIPBOARD ENVIRONMENTAL PROTECTIO
SHIPS LANDING CONDO ASSOC
SHIPWRECK FURNISHINGS, INC.
SHIPYARD QUARTERS MARINA
SHOALS MARINE LAB
SHORT'S MARINE
SHRED MAGAZINE
SHUMAN PLASTICS INC.
SIERRA CLUB
SIERRA CLUB/LIB GROUP
SIERRA MAGAZINE
SIGNAL POINT DEVELOPMENT INC
SILVER SPRING MARINA
SKINNER DEVELOPMENT CO
SKIPJACK COVE YACHTING CENTER
SKIPPER BUD'S RIVER CITY MARINA
SKIPPER BUDS REEF POINT MARINA
SKIPPER MARINE CORP
SKIPPERS MARINA
SKULL CREEK MARINA
SKYLINE MARINA
SKYLINE MARINE FLEET CHARTER BOAT
SLOAN MARINE CORP
SMANISH HIGH SCHOOL
SMITH BOYS OF FLORIDA
SMITH COLLEGE
SMITH MOUNTAIN LAKE POLICY BOARD
SMITHSONIAN INSTITUTION
SO CALIF MARINE ASSOCIATION
SO CAROLINA SEA GRANT CONSORTIUM
SOCIETY EXPEDITIONS
SOCIETY FOR VISUAL EDUCATION
SOCIETY OF THE PLASTICS INDUSTRY
SOCIOLOGY DEPT.
SOLVEREL HARBOR
SOQUEL HIGH SCHOOL
SOUND BEACH SCHOOL
SOUNDINGS
SOUNDPRINT
SOUNDWATCH
SOUTH ATLANTIC FISHERY MANGEMENT

Appendix 1: Organizations Requesting Information from MDIO (cont.)

SOUTH CAROLINA BOATING DIVISION O
SOUTH CAROLINA SEA GRANT CONSORTI
SOUTH CAROLINA WILDKNIGHT
SOUTH CAROLINA WILDLIFE AND MARIN
SOUTH FLORIDA YACHT SALES
SOUTH ORANGE SHUTTLE SERVICE
SOUTH TX TURTLE & TORTOISE SOC.
SOUTHEASTERN VA PLAN. DIS. COMM.
SOUTHERN CALIF MARINE ASSOC
SOUTHERN OUTDOORS (B.A.S.S) PUBL.
SOUTHERN PINE LUMBER COMPANY
SOUTHERN SALTWATER
SOUTHERN SENIOR HIGH SCHOOL
SOUTHWEST FISHERIES CENTER LIBRAR
SOUTHWINDS MARINA
SOVEREL HARBOR INC
SOVIET AMERICAN SAIL
SPI - CANADA
SPICER'S MARINAS
SPINNAKER CONDOS
SPINNAKER COVE MARINA
SPORT FISHING INSTITUTE
SPORTMAN'S CLINIC
SPORTS FISHING INSTITUTE
SPORTSMAN'S DOCK MARINA
SPRING COVE MARINA
SPRING VALLEY BOAT CLUB
SPRINGBOOK CONSERVATION EDUCATION
SQUELETQUE HARBOR MARINE
ST CROIX MARINA ASSOC
ST LOUIS OF FRANCE SCHOOL
ST LUCIE MARINE INC
ST OF FLA MARINE FISHERIES COMM
ST THOMAS EPISCOPAL SCHOOL
ST. JOHN'S CHURCH
ST. LUCIE RIVER POWER SQUADRON
ST. MARK'S EPISCOPAL CHURCH
ST. MARKS NAT'L WILDLIFE REFUGE
ST. PETERSBURG TIMES
ST. THOMAS EPISCOPAL SCHOOL
ST. THOMAS LUTHERAN CHURCH AND SC
STANLEY'S BOATYARD
STAR FREE PRESS
STAR GATE
STARR'S LAKESHORE MARINA
STATE LANDS COMMISSION
STATE LANDS COMMISSION
STATE LANDS COMMISSION
STATE LANDS COMMISSION
STATE LITTER CONTROL OFFICE
STATE LITTER CONTROL OFFICE
STATE OF HAWAII
STATE PROJECT WILD
STEINHAUS ASSOCIATES
STEPHEN WATTS KEARNY HIGH SCHOOL

Appendix 1: Organizations Requesting Information from MDIO (cont.)

STEPHEN'S MARINE INC
STIRLING HARBOR MARINA & SHIPYARD
STONE COVE MARINA
STONEBRIDGE MARINA INC
STONEBRIDGE MARINA INC
STONY POINT BAY CORP
STONY POINT MARINA & YACHT CLUB
STRATFORD MARINA INC
STRIKER MARINA CO INC
STUART HATTERAS, INC.
STUART MARINE CENTER
STUART PROPELLER & MARINE
STUART SAILING CLUB
STUART YACHT
STUART YACHT BUILDERS
SUMMIT NORTH MARINA INC
SUN ENGINEERING, INC.
SUN NEWS
SUN SHIPS INC
SUN TRANSPORT
SUNBAY COVE MARINA
SUNCOAST SEABIRD SANCTUARY
SUNCOAST TARPON ROUNDUP
SUNNY CREST ELEM SCHOOL
SUNRISE
SUNRISE BAY CONDOMINIUMS
SUNRISE MARINE
SUNSET BAY CONDOMINIUMS
SUNSET HARBOUR MARINA
SUPER SCIENTIST
SURFACE WATER SURVEILLANCE
SURFRIDER FOUNDATION
SURFRIDER FOUNDATION ROANOKE CO
SW FISHERIES CENTER LIBRARY
SW FL COASTAL RES CTR MOTE LAB
SWANSFIELD ELEMENTARY SCHOOL
SWFC HONOLULU LAB NMFS NOAA
TAHOE KEYS MARINA
TAKE PRIDE IN AMERICA
TALL OAKS MARINA
TALLAHASSEE JR. MUSEUM
TAMPA BAY REG PLANNING COUNCIL
TAMPA PORT AUTHORITY
TAMPA PORT AUTHORITY
TARTAN'S LANDING MARINA
TAVERNIER CREEK MARINA
TAVERNIER CREEK MARINA
TAX SERVICE
TAYLOR CREEK MARINA INC
TENNESSEE VALLEY AUTHORITY
TERWILLIGER NATURE ED CENTER
TERWILLIGER NATURE VAN
TEX VET MED CTR
TEXACO LUBRICANTS CO.
TEXAS A&M UNIVERSITY

Appendix 1: Organizations Requesting Information from MDIO (cont.)

TEXAS GENERAL LAND OFFICE
TEXAS STATE AQUARIUM
THE ASSEMBLY STATE OF NEW JERSEY
THE BILLFISH FOUNDATION
THE BOAT HOUSE MARINA/PORT AFF
THE BOAT MARINA
THE BRANIGAR ORGANIZATION INC
THE CATSKILL MARINA CORP
THE CHES BAY YOUTH CONS COR/CBYCC
THE CLIO SPORTSMAN'S LEAGUE
THE COMMODORE'S CLUB MARINA
THE CONSERVANCY INC
THE CONSERVATION FOUNDATION
THE COUSTEAU SOCIETY
THE CROWSNEST CONDOMINIUM
THE DAILY NEWS
THE DECK
THE DOCK INC
THE DOLPHIN ACTION PROTECTION GR
THE ENERGY MANAGEMENT CENTER
THE ENVIRONMENTAL INSITTUE
THE FISHERMAN
THE GARBAGE PROJECT/UNIV OF ARIZ
THE HARBORAGE MARINA
THE HARBOUR
THE HOUSE OF SNOOK
THE HUMANE SOCIETY OF THE US
THE KINDNESS CLUB
THE LAKE OUASHITA FIELD OFFICE
THE MARINA & RESORT AT OCEAN SIDE
THE MARINA AT AMERICAN WHARF
THE MARINA AT PIER 39
THE NATHAN MAYHEW SEMINARS
THE NEW AGE SHOP
THE OCEANIC SOCIETY
THE OLD HOUSE JOURNAL
THE OYSTER BAR REST & MARINA
THE PERA AGENCY
THE PLANT PEOPLE
THE POINT JUDITH MARINA
THE PORT ARANSAS CLEAN TEAM
THE PROGRESSIVE GROUP
THE SEAFARER
THE SKIPPER MARINA & MOTOR INN
THE STRATFORD MARINA
THE STUART NEWS
THE TATNALL SCHOOL
THE TIDY BRITAIN GROUP
THE TIDY BRITAIN GROUP
THE TRAVELING SEA SCHOOL
THE TRULL FOUNDATION
THE UNIVERSITY OF AUCKLAND
THE WHARF AT HANDYS POINT INC
THE WHARFSIDE/THE WHARF MARINA
THE WILDERNESS SOCIETY

Appendix 1: Organizations Requesting Information from MDIO (cont.)

THE YACHT BASIN CO
THE YANKEE FLEET
THIRTEENTH COAST GUARD DISTRICT
THORNE MIDDLE SCHOOL 6TH GRADE
THORNTON W BURGESS SOCIETY
THUNDERBIRD PRODUCTS
THUNDERBOAT MARINA
TIAJUANA RIVER NATIONAL RESERVE
TIDE MILL YACHT BASIN INC
TIDEWATER MARINE
TIDEWATER SWCD
TIDEWATER YACHT AGENCY INC
TIME INCORPORATED
TIMES HERALD
TITAN DEVELOPMENT CO
TITUSVILLE MUNICIPAL MARINA
TOLEDO BEACH MARINA
TOLEDO CITY PARKS
TOLER'S COVER MARINA PTNRSHIP
TOURNAMENT ENTERPRISES
TOWER HOUSE CONDOMINIUM INC
TOWER PARK MARINA
TOWERS OF QUAYSIDE
TOWN CREEK MARINA
TOWN DOCK
TOWN NORTH HEMPSTED
TOWN SCHOOL FOR BOYS
TRADE-A-YACHT MARINA
TRANSPORTATION INSTITUTE
TRAVELING SEA SCHOOL
TREASURE COAST BATTERY, INC.
TREASURE COAST MARINE SURVEYS, IN
TREASURE ISLAND MARINA
TREE HILL NATURE CENTER
TRENDS PUBLISHING INC.
Trexler's Marina Inc
TRI-CITY COMMUNITY MENTAL HEALTH
TRI-TECH SYSTEMS INTERNATIONAL IN
TROPICAL ISLES CONDO INC
TROUT UNLIMITED EAST JERSEY CHAPT
TROY STATE UNIVERSITY
TUCK POINT MARINA
TURKEY POINT MARINA
TURTLE ROCK NATURE CENTER
TX SHRIMP ASSOC
TX STATE ADOPT-A-BEACH
U C
U OF HAWAII LIBRARY
U OF WEST FLORIDA DEPT. OF BIO
U. OF WISCONSIN SEA GRANT INST.
U. OF WISCONSIN-MADISON SEA GRANT
U.S. COAST GUARD - NEW ORLEANS
U.S. FISH AND WILDLIFE SERVICE
UC COOP EXT-COUNTY 4H PROGRAM
UC COOP EXTENSION

Appendix 1: Organizations Requesting Information from MDIO (cont.)

UCAR CARBON CO INC
UDE
UNC SEA GRANT COLLEGE PROGRAM
UNC SEA GRANT COMMUNICATIONS
UNC SEA GRANT CONSORTIUM
UNION COUNTY HEALTH DEPT.
UNION STEAMSHIP MARINA
UNITED FISHERMENS MKTG ASSOC INC
UNITY COLLEGE IN MAINE
UNIV OF AK MARINE ADV PROG
UNIV OF AK SEA GRANT
UNIV OF ALASKA-FAIRBANKS
UNIV OF HAWAII SEA GRANT
UNIV OF R I SEA GRANT PROGRAM
UNIV. OF CAL. COOPERATIVE EXTENSI
UNIVERSIDAD NACIONAL BIODOC.
UNIVERSITE DE LA REUNION
UNIVERSITY OF ALABAMA
UNIVERSITY OF ALASKA FAIRBANKS
UNIVERSITY OF BRIDGEPORT
UNIVERSITY OF CALIFORNIA SAN DIEG
UNIVERSITY OF CAPETOWN
UNIVERSITY OF DELEWARE SEA GRANT
UNIVERSITY OF FLORIDA
UNIVERSITY OF HAWAII
UNIVERSITY OF HAWAII
UNIVERSITY OF NEW ORLEANS
UNIVERSITY OF RHODE ISLAND
UNIVERSITY OF TORONTO
UNIVERSITY OF VIRGIN ISLANDS
UNIVERSITY OF WASHINGTON
UNIVERSITY OF WATERLOO
UPI
US ARMY CORPS OF ENGINEERS
US ARMY ENGINEERING - PITTSBURGH
US ARMY RD&E CENTER
US COAST GAURD AUXILIARY
US COAST GAURD STATION GLOUCESTER
US COAST GUARD ALASKA
US COAST GUARD G-MPS-3
US COAST GUARD HQ
US DEPT OF COMMERCE NOAA
US EPA
US EPA REGION III
US EPA REGION VI
US F & W CHESAPEAKE BAY PROGRAM
US FISH & WILDLIFE SERVICE
US FOREST SERVICE
US NAVAL ACADEMY
US NAVY
US NEWS AND WORLD REPORT
US PUB HEALTH SER. MED WASTE GR.
USA EHA HSSB-ME-SH APG
USA TODAY
USCG AUXILIARY FLOTILLA 42

Appendix 1: Organizations Requesting Information from MDIO (cont.)

USCG MARINE PORT SAFETY BRANCH
USCG MARINE SAFETY DETACHMENT
USCG MARINE SAFETY OFFICE GUAM
USCG MARINE SAFETY OPER
USCG MSO HAMPTON RDS
USCG MSO SF OFFICE
USCG MSO/GROUP OFFICE
USCG PORT SAFETY DETACHMENT LI
USDA CHINCOTEAGUE NAT WILDLIFE R.
USDA-APPHIS-PPQ
USDI MINERALS MANAGEMENT SERVICE
USDI/MMS
USN RET.
USPR SEA GRANT PROGRAM
USS PACKAGING SYSTEMS
UVI MARINE ADVISORY SERVICE
VA BEACH CLEAN CITY COMMISSION
VA COOPERATIVE EXTENSION SERVICE
VA COUNCIL ON THE ENVIRONMENT
VA DEPARTMENT OF GAME AND INLAND
VA MARINE SCIENCE CENTER
VA MARINE SCIENCE MUSEUM
VA USCG MARINE SAFETY OFFICE
VA. DIVISION OF PLANNING AND RECR
VA. INSTITUTE OF MARINE SCIENCE
VALLEY FORGE COUNCIL
VAN SLOOTEN HARBOR MARINA INC
VEGETARIAN TIMES
VEILLER MIDDLE SCHOOL
VENETIANS CONDOMINIUMS INC
VENTURA CO COORDINATOR
VENTURA REGIONAL SANITATION DIST
VENTURA YACHT SVCS INC
VI CONSERVATION SOCIETY
VICTORIAN INST. OF MARINE SCIENCE
VIKING MARINA
VILLA MARINA
VINYARD GAZETTE
VIRGIN ISLANDS MARINE ADVISORY
VIRGIN ISLANDS MARINE ADVISORY SE
VIRGINIA AVE ELEMENTARY SCHOOL
VIRGINIA LIVING MUSEUM
VIRGINIA MARINE SCIENCE MUSEUM
VIRGINIA PORT AUTHORITY
VIRGINIA SEA GRANT
VIRGINIA SEA GRANT - ADVISORY SER
VIRJO SEAFOOD INC
VOA, CURRENT AFFAIRS
VOSS MEMORIAL LIBRARY
W M JACKSON & CO INC
W. PACIFIC REG. FISHERY MAN. COUN
W/ASSEMBLYMAN DAN HAUSER
WA DEPT OF WILDLIFE
WA PUBLIC PORTS ASSOCIATION
WA SEA GRANT

Appendix 1: Organizations Requesting Information from MDIO (cont.)

WA STATE DEPT OF ECOLOGY
WACCA WACHE MARINA
WAIKIKI AQUARIUM LIBRARY
WAIKIKI YACHT CLUB
WALDEN WEST SCHOOL
WALDEN WEST SCHOOL
WALDORF COLLEGE
WALLWORKS
WALNUT CREEK
WALSTROM MARINA INC
WALT DISNEY WORLD CO
WARREN CTY OFF LITTER PREV/RECYCL
WARWICK COVE MARINA
WASH COMMUNICATIONS
WASH DEPT NATL RESOURCES QW-21
WASH DEPT OF ECOLOGY
WASH SEA GRANT PROG N SOUND ADV
WASHBURN HARBOR INC
WASHINGTON DEPT NATURAL RESOURCES
WASHINGTON PARK MARINA
WASHINGTON SAILING MARINA #1310
WASHINGTON SEA GRANT
WASHINGTON SEA GRANT PROGRAM
WASHINGTON STATE DEPT ECOLOGY
WASHINGTON STATE PARKS & REC COMM
WASTE MANAGEMENT INC
WASTE MANAGEMENT INSTITUTE SUNY
WATCH HILL BOAT YARD
WATCH HILL MARINA
WATER MANAGEMENT - EPA
WATER QUALITY SECTION
WATERBURY REPUBLICAN
WATERLOO REGIONAL
WATERMARK PROGRAM
WATERTOWN YACHT CLUB
WATERWAY GUIDE
WATERWAY NORTH
WAYFARER MARINE CORP
WAYNE COMMUNITY COLLEGE
WCAU TV
WEAL WATCH-SPAR
WEBSTER LAKE MARINA
WELLER ELEMENTARY SCHOOL
WELLINGTON CITY COUNCIL WORK DEPT
WELLINGTON YACHT & RACQUET CLUB
WENTWORTH-BY-THE-SEA MARINA
WEST BAY MARINA
WEST COVE MARINA
WEST MAUI MARINA LTD
WEST ORCHARD ELEMENTARY SCHOOL
WEST ORCHARD SCHOOL
WEST RIVER MARINA
WEST RIVER YACHT HARBOR CONDO
WEST WOOD ELEMENTARY SCHOOL
WESTCHESTER ELEM. SCHOOL

Appendix 1: Organizations Requesting Information from MDIO (cont.)

WESTERLY MARINA
WESTERLY YACHT CLUB
WESTERN PACIFIC FISHERY MGMT CNCL
WESTERN SPORT SHOP
WESTERN TEXAS COLLEGE
WESTIN SOUTH COAST PLAZA
WESTIN WILLIAM PENN
WESTON MANAGERS DESIGNERS/CONS.
WESTPORT MARINA
WESTPORT RIVER WATERSHED ALLIANCE
WESTREC PROPERTIES INC
WESTWARD TRAWLERS
WETLANDS INSTITUTE
WETLANDS PRESERVE
WETMORE SCHOOL
WGBH TV
WHALE AND DOLPHIN CONSERVAITON SO
WHALE CENTER
WHALE MUSEUM
WHALERS MARINA
WHALES IN THE CLASSROOM
WHARF MARINA INC
WHITCAR BOAT WORKS INC
WHITE MARLIN OPEN
WHITE POINT MARINA INC
WHITEHALL MARINA
WICASSET HIGH SCHOOL
WICKFORD SHIPYARD INC
WILD DUNES YACHT HARBOR INC
WILDLIFE CARE CENTER
WILDLIFE ENTANGLEMENT INFORMATION
WILDWOOD MARINA INC
WILLIAM B. ENOCHS COMPANY
WILLIAM R. BOONE HIGH SCHOOL
WILLIAMSON LANDING
WILLOW BEACH MARINA
WILLSBORO BAY MARINA INC
WINCHESTER ELEMENTARY SCHOOL
WIND ELECTRIC SHOP, RENEWABLE ENE
WINDMILL MARINA ASSOC INC
WINDSTAR FOUNDATION
WINSLOW WHARF MARINA
WINSTON TOWERS 300
WINTER YACHT BASIN INC
WISCASSET HIGH SCHOOL
WIVES COALITION OF COMMUNITY FISH
WOODLAKE RESORTS
WOODLAND SCHOOL
WOODS COVE MARINA
WOODS HOLE BIOLOGY DEPT.
WOODS N WATERS MARINE
WOODSHOLE OCEANOGRAPHIC INSTITUTE
WORLD INFORMATION SYSTEMS
WORLD PLASTICS
WORTHINGTON SCHOOLS

Appendix 1: Organizations Requesting Information from MDIO (cont.)

WOUTHWEST SOLID WASTE MANAGEMENT

WPC

WPLG TV

WQED

WQED PITTSBURG

WSBK TV

WSPA

WTKR-TV 3

WYOMING ADVOCATES FOR ANIMALS

YACHT CLUBS OF AMERICA

YACHT HAVEN INC

YACHT HAVEN MARINE CENTER

YACHTING CLUB OF AMERICA

YAMAHA WATER VEHICLES

YANKEE ENGINE & MARINE INC

YANKEE FISHERIES

YES

YMCA CAMP ORKILA

YOSEMITE INSTITUTE

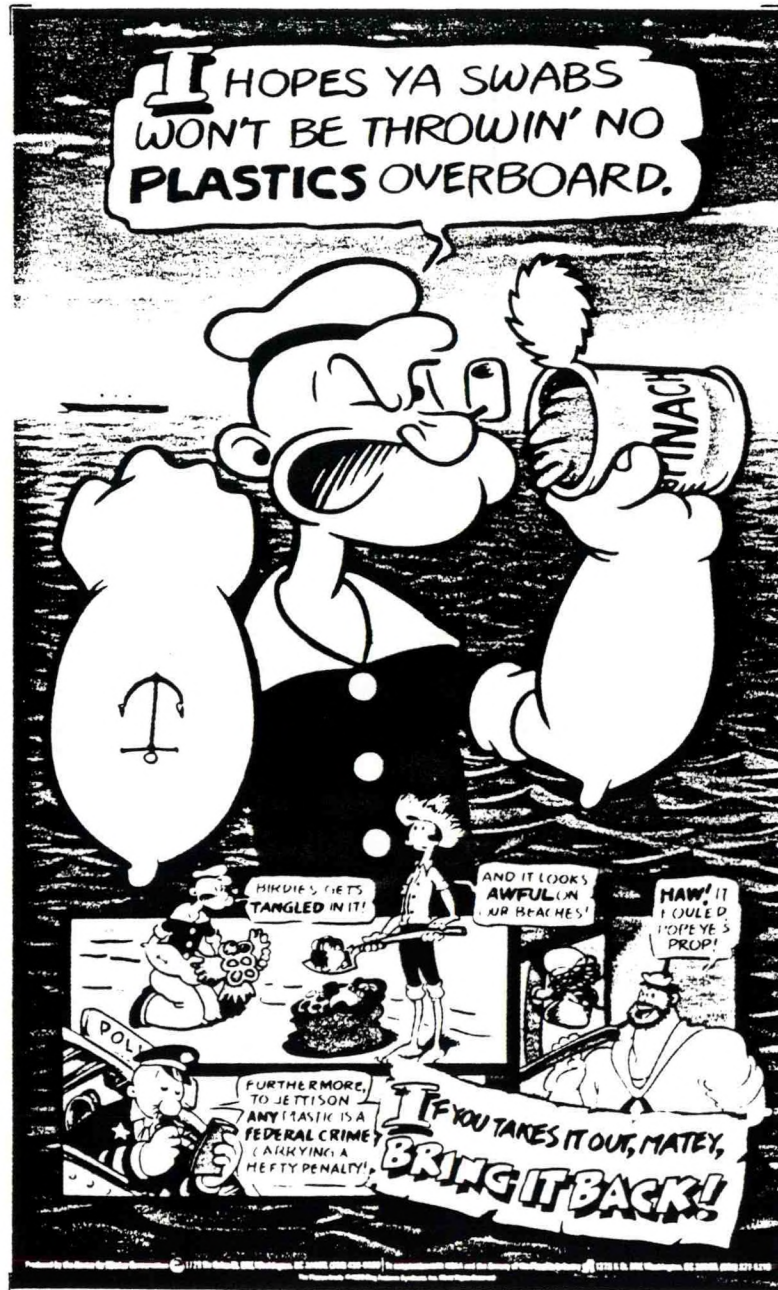
YOUNG AMERICAN PUBLISHING

ZAHNISER'S INC

ZOOLOGY DEPT ABERDEEN UNIV

ZORA ELLIS JUNIOR HIGH SCHOOL

Appendix 2. Popeye Poster Produced by CMC, SPI, and NOAA.



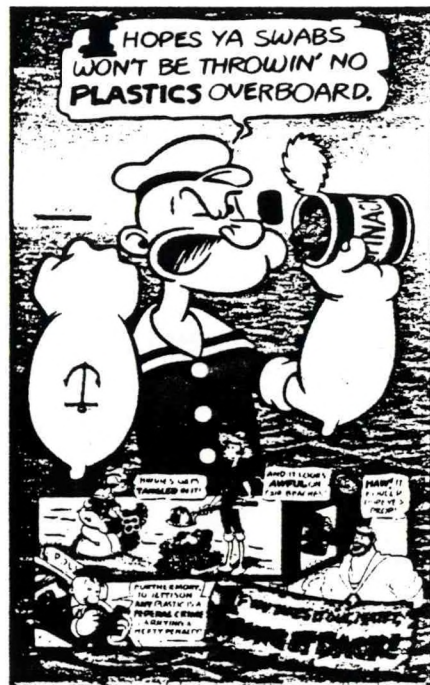
Coastal Connection

The Coastal Connection is a newsletter produced by the Center for Marine Conservation (CMC) to promote beach cleanup events, "Citizen Pollution Patrols" and other efforts to eliminate marine debris that injures wildlife, fouls our beaches and threatens boater safety.

Popeye Leads in the Fight Against Marine Debris

Popeye the Sailor will work to spread the word about the problems caused by marine debris. Popeye debuted as the mascot for marine debris in a poster designed by the Center for Marine Conservation (CMC) to remind boaters that dumping plastic overboard causes environmental and boating safety problems, and is now against the law (see photo at right). The poster is available from CMC's Washington, DC office. Future plans for Popeye include

an animated 30-second television public service announcement to be aired in September, in time to recruit people to beach cleanups during Coastweeks '89 (see page 8). Popeye will also be appearing on brochures, stickers, buttons, and t-shirts, and will even appear in "person" at a number of events throughout the year. Thanks to King Features Syndicate, for allowing Popeye to participate in this campaign.



Trash on America's Beaches: A National Assessment of Beach Debris

Last year more than 47,000 citizens armed with beach debris data cards (see page 7) hit the beaches from Alaska to Puerto Rico to clean our nation's beaches and document the types and quantities of trash they collected. They were participating in the Center for Marine Conservation's National Marine Debris Data Base. The Center's Data Base is sponsored in cooperation with the U.S. Environmental Protection Agency, the National Oceanic and Atmospheric Administration, and the U.S. Coast Guard. Highlights of a summary report on beach debris appear below. Copies are available for \$5.00 from CMC's Washington, DC office. The final comprehensive report, which will include detailed information on a state-by-state basis, will be completed in September.

Volunteers in 25 U.S. states and territories covered more than 3,500 miles of shoreline and collected nearly 1,000 tons of debris.

- Of the nearly 2 million litter items reported, trash reported per mile of beach was consistently higher in states bordering the Gulf of Mexico. This is not surprising considering the concentration of maritime traffic and the nearly closed circulation patterns of the Gulf.

- Most of the debris on our nation's coastline is plastic, represent-

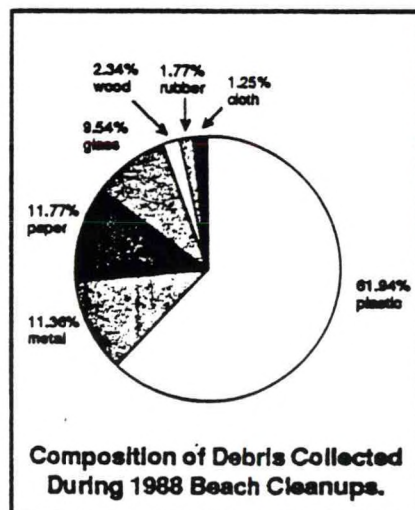
ing approximately 62 percent (see figure below).

- The twelve most common items reported - the Dirty Dozen of 1988 - are as follows (number represents quantity collected)

- plastic pieces (fragments of larger objects) - 134,685,
- small foamed plastic (styrofoam-like) - 125,725,
- plastic eating utensils - 112,465,
- metal beverage cans - 99,847,
- styrofoam-like cups - 95,807,
- glass beverage bottles - 95,028,
- plastic caps and lids - 90,998,
- paper pieces (fragments) - 85,864,
- plastic trash bags - 78,025,
- other plastic bags - 74,672,
- glass pieces 65,819,
- plastic beverage bottles - 58,116.

If just these items were eliminated from our beaches, our beaches would be at least 50 percent cleaner.

(continued next page)



Trash Found on U.S. Beaches (continued from page 1)

- Galley wastes represented 7.83% of all debris items collected. Items such as plastic trash bags, plastic milk and water jugs, and plastic bleach bottles are commonly used in ships' galleys.
- Six percent of the debris items recorded nationwide is attributable to fishing and boating activities (for example plastic rope and pieces of plastic fishing line).
- The presence of 7,584 plastic tampon applicators, accounting for less than one percent of all debris items, on the beach indicated sewage systems as the probable source. The amount of tampon applicators in New Jersey and New York was more than eight and nine times the national figure respectively.
- Medical wastes, indicated by the 1,718 syringes reported, represented only .09% of all the debris items collected.
- Foreign debris. Volun-

During the 1988 Florida Fall Cleanup, CMC volunteers collected 3,000 pounds of plastics to be recycled into 15 park benches. Dr. Darryl Morrow, Director of the Rutgers recycling program and coordinator of the recycling project that was funded by DuPont, has three suggestions. (1) Remove fish hooks and other metal objects that are connected to plastic items. Metal objects are a potential danger to workers at the recycling plant. (2) Cleanup volunteers should rinse off all sand from the plastic. (3) Finally, collection and transportation of the plastics requires complex coordination. For example, bailed plastics and the completed park benches will require smaller transportation vehicles than the plastics originally collected by the volunteers. Call Dr. Morrow for help on how to turn beach debris into usable objects (201-932-3632).

teers found more than 1,000 items with labels from 48 countries, from neighboring Mexico to distant places such as Bulgaria and Japan. Foreign debris probably comes primarily from commercial ships. It will be interesting to compare 1988 data with that of future cleanups, after the international plastics dumping ban known as MARPOL Annex V has been in place a while.

- **Wildlife strandings.** Volunteers reported more than 45 cases of wildlife entanglement or debris ingestion. Of these, more than 40 were birds entangled in plastic fishing line.

Conclusion

Beach cleanups are not an exact science. We cannot know the precise sources of most beach debris or the full scope of the coastal and ocean debris problem. However, comparing relative amounts of debris can reveal

Special Beach Cleanup Events

Although a safe, well-organized beach cleanup is everyone's first goal, many organizers still have the energy to plan special attractions.

For example, one organizer said, "You can't do anything in Louisiana without a party." So free food was provided for cleanup volunteers in that state.

You may want to center special activities around known problems in your area. For instance, because discarded fishing line is a problem in Florida, cleanup volunteers collect fishing line to calculate the total amount of line found in the state. In 1988 volunteers collected 304 miles of fishing line in three hours.

In 1989 state coordinators are pulling out all the stops to make their cleanup special. Beach cleanups in New Jersey and South Carolina will conduct plastics recycling demonstration projects

Thank You!









The Center for Marine Conservation would like to thank all the supporters of the 1989 National Beach Cleanup. Because of the endless energy of all the state coordinators, state agencies, industry groups and thousands of volunteers, the 1989 National Beach Cleanup will be a tremendous success. With support from early major sponsors (see page 8), CMC is able to distribute educational materials, and data cards, provide assistance to organizers, and document the types and sources of debris.

important trends in the types and distribution of beach debris. Citizen beach cleanups will become more important in the future as an education tool, and as a means to monitor the effectiveness of efforts to control the discharge of plastic and other wastes into marine areas.






(see box at left). "It's Shore Worth Saving" is the theme to unify Maine, Massachusetts, New Hampshire, New Brunswick, and Nova Scotia in the first Gulf of Maine, International Cleanup. Florida will conduct four underwater cleanups. In California you can win a raffle to be a beach buddy with movie stars such as Loretta Switt and Betty White. Below you will find some other ideas to keep volunteers coming back for more.

- Radio and TV sponsorship
 - Free t-shirts
 - Bumper stickers
 - Welcome banners at sign-in
 - Cellular phones for good communication on cleanup day
 - Photo, song writing, and "trash art" contests
 - Hotel discounts for volunteers
 - Petitions for volunteers to sign asking for new state programs
- Good Luck!








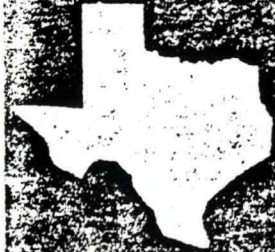
National Beach Cleanup Calendar

State	Cleanup Date	Special Events	Contact
ALABAMA 	September 23	<ul style="list-style-type: none"> "Take Pride Gulf Wide" Cleanup Recycle aluminum Data collection 	John Marshall Department of Environmental Management 2204 Perimeter Road Mobile, AL 36615 (205) 479-2336
CALIFORNIA 	September 23	Beach Cleanup Program Concentrated data collection effort for State Action Plan Beach Cleanup with National Beaches Marine Litter Study Data Collection	California Coastal Commission 315 Jackson Street San Francisco, CA 94105 (415) 543-5555 For data collection information call (415) 543-5555 312 Union Street, Suite 200 San Francisco, CA 94108 (415) 398-4045
CONNECTICUT 	September 23	<ul style="list-style-type: none"> Data collection 	Peg Van Patten Connecticut Sea Grant Program University of Connecticut Avery Point Groton, CT 06340 (203) 445-3459
DELAWARE 	September 30	<ul style="list-style-type: none"> Data collection 	Nancy Rolli and David Small Delaware Department of Natural Resources 89 Kings Highway P.O. Box 1401 Dover, DE 19901 (302) 736-4506
FLORIDA 	September 23	<ul style="list-style-type: none"> 4 underwater cleanups Collect and weigh monofilament fishing line Estuary/mangrove cleanups Data collection/recycling 	Edward Proffitt Center for Marine Conservation Bayfront Tower 1 Beach Drive SE, Suite 304 St. Petersburg, FL 33701 (813) 895-2188
GEORGIA 	September 23	Volunteers donate boat rides to clean barrier islands Data collection	Jay Calkins Marine Extension Service P.O. Box 13687 McWhorter Drive University of Georgia Skidaway Island Savannah, GA 31416 (912) 356-2496
HAWAII 	October 14	<ul style="list-style-type: none"> Kahoolowe Island cleanup, U.S. military bombing site (restricted area) Data collection 	John Yamauchi Hawaii State Litter Control Office 205 Koula Street Honolulu, HI 96813 (808) 548-3400 or 548-6444
LOUISIANA 	September 23	<ul style="list-style-type: none"> "Take Pride Gulf Wide" cleanup Data collection Distribute trash bags at marinas 	Barbara Colthrap Louisiana Department of Culture, Recreation and Tourism P.O. Box 94291 Baton Rouge, LA 70804-9291 (504) 342-8148






National Beach Cleanup Calendar

State	Cleanup Date	Special Events	Contact
MAINE 	September 23	<ul style="list-style-type: none"> Gulf of Maine-wide cleanup: "It's Shore Worth Saving" with Canada, MA, & NH Data collection 	Filis Schaffler Maine Coastal Program 184 State Street State House Station 38 Augusta, ME 04333 (207) 289-3261
MARYLAND 	September 9	<ul style="list-style-type: none"> Data collection Data collection Transport to remote beaches Data collection 	Judy Johnson 616 Piccadilly Road Towson, MD 21204 (301) 828-4520 Karen Aspinwall 501 E. Pratt Street Baltimore, MD 21202 (301) 576-3888 Ila Fehner 110 West Federal St. Snow Hill, MD (301) 631-2640
MASSACHUSETTS 	September 23	<ul style="list-style-type: none"> "MA Coast Sweep '89" Sponsorship by 2 television network affiliates "It's Shore Worth Saving" with Canada, ME, & NH Data collection 	Anne Smrcina Coastal Zone Management 100 Cambridge Street, 20th Fl. Boston, MA 02202 (617) 727-9530
MISSISSIPPI 	September 23	<ul style="list-style-type: none"> Boaters take volunteers to clean barrier islands "Take Pride Gulf Wide" cleanup "Trash art" contests Data collection 	Dianne Hunt Mississippi Department of Wildlife, Fisheries and Parks 2620 Beach Blvd. Biloxi, MS 39531 (601) 385-5860
NEW HAMPSHIRE 	September 23	<ul style="list-style-type: none"> Gulf of Maine-wide cleanup: "It's Shore Worth Saving" with Canada, ME, MA Earth music by Steve Schuck Children's programs Data collection 	Julia Steed Mawson Odiorne Point Visitor's Center c/o UNH Sea Grant MEC Administration Building University of New Hampshire Durham, NH 03824 (603) 436-8043 or 862-3460
NEW JERSEY 	September 23	<ul style="list-style-type: none"> Island Beach State Park Plastics recycling Recycling aluminum & glass Data collection Long Beach Island Kick off of New Jersey Sea Grant water testing program (pH & turbidity) Data collection Sandy Hook Data collection 	Will Bersorn Department of Environmental Protection 501 East State St. CN 401 Trenton, NJ 08625 (609) 292-8973 Patricia Morton-Toth Alliance for a Living Ocean P.O. Box 95 Ship Bottom, NJ 08008 (609) 698-7966 Valerie Maxwell Clean Ocean Action Box 505, Bldg. 18 Hartshorne Dr. Highlands, NJ 07732 (201) 872-0111

National Beach Cleanup Calendar

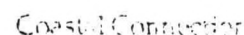
State	Cleanup Date	Special Events	Contact
NEW YORK 	September 24	<ul style="list-style-type: none"> Over 28 cleanups followed by field trips Free admission to NY Aquarium (Coney Island) Data collection 	Roberta Weisbrod New York State Department of Environmental Conservation Hunters Point Plaza Long Island City, NY 11101 (718) 482-4992 or Don Rlepe (718) 634-6467
NORTH CAROLINA 	September 23	<ul style="list-style-type: none"> "Big Sweep '89" - Including cleanup of inland waterways Data collection 	Lundie Spence or Sarah Friday University of North Carolina Sea Grant College Program Box 8605 Raleigh, NC 27695-8605 (800) 27SWEEP
OREGON 	October 8	<ul style="list-style-type: none"> Sixth annual cleanup Free hot dog celebration Data collection 	Judie Neilson Oregon Dept. of Fish and Game P.O. Box 59 Portland, OR 97207 (503) 229-5406
PENNSYLVANIA 	September 23	<ul style="list-style-type: none"> Second annual Lake Erie cleanup Data collection 	Harold Gutowski Dept. of Environ. Resources Presque Isle State Park P.O. Box 8510 Erie, PA (814) 871-4251
PUERTO RICO 	September 16 (tentative)	<ul style="list-style-type: none"> Data collection (with Spanish data cards) 	Ruperto Chaparro UPR Sea Grant Program RUM-UPR P.O. Box 5000 Mayaguez, PR 00709-5000 (809) 832-8045
RHODE ISLAND 	September 23	<ul style="list-style-type: none"> Data collection 	Eugenia Marks Audubon Society of Rhode Island 12 Sanderson Road Smithfield, RI 02917 (401) 231-6444
SOUTH CAROLINA 	September 23	<ul style="list-style-type: none"> Plastics recycling with Amoco Recycle aluminum to benefit burned children Data collection 	Jennie Summerall South Carolina Sea Grant Consortium 287 Meeting Street Charleston, SC 29401 (803) 727-2078
TEXAS 	September 23	<ul style="list-style-type: none"> "Bring a Buddy to the Beach" - Regional politicians present at local cleanups Popeye buttons "Take Pride Gulf Wide" cleanup Data collection 	Linda Maraniss Center for Marine Conservation 1201 West 24th Street Austin, TX 78705 (512) 477-6424 Angela Farias Texas General Land Office 1700 N. Congress Avenue Austin, TX 78701 1-800-85BEACH or (512) 463-5108

National Beach Cleanup Calendar

State	Cleanup Date	Special Events	Contact
VIRGINIA 	September 16	<ul style="list-style-type: none"> Chincoteague National Wildlife Refuge Data collection 	David Cottingham U.S. Department of Commerce NOAA, Room 6222 14th Street and Constitution Washington, DC 20230 (202) 377-5181
	September 23	<ul style="list-style-type: none"> Chesapeake Bay Data collection 	Deborah Blanton Hampton Clean City 22 Lincoln Street Hampton, VA (804) 727-6394
VIRGIN ISLANDS 			Natalie Peters Virgin Islands Marine Laboratory University of the Virgin Islands St. Thomas, VI 00802 (809) 769-2000 ext. 212 Bob McInnes Virgin Islands Marine Laboratory St. John, VI 00802 (809) 774-3320 ext. 331
WASHINGTON 	September 16	<ul style="list-style-type: none"> "Operation Shore Patrol": free camping for cleanup participants 4-wheel drive transportation Data collection 	Margarete Kurth Pacific Northwest 4-Wheel Drive Association Washington State Parks 7150 Cleanwater Lane Olympia, WA 98504 (206) 753-5759
		<ul style="list-style-type: none"> Data collection Picnic for bank employees 	David Parent Puget Sound Bank 1119 Pacific Avenue Tacoma, WA 98402 (206) 593-3770
CANADA 	September 23	<ul style="list-style-type: none"> Nova Scotia Gulf of Maine-wide cleanup: "It's Shore Worth Saving" with ME, MA, NH Recycle aluminum & glass Data collection 	John Thorpe Clean Nova Scotia Foundation 1675 Bedford Row P.O. Box 2528, Station M Halifax, Nova Scotia Canada B3J 3N5 (902) 424-5245
	September 30	<ul style="list-style-type: none"> New Brunswick Gulf of Maine-wide cleanup: "It's Shore Worth Saving" with ME, MA, NH Data collection 	Kim Saunders New Brunswick Museum 277 Douglas Ave. St. John, New Brunswick Canada E2K 1E5 (506) 658-1842
COZUMEL, MEXICO 	September 23	<ul style="list-style-type: none"> Working with Cozumel Island Museum Data collection (with Spanish data cards) 	Germain Mendez P.O. Box 396 Cozumel, Quintana Roo Mexico 77600 011-529-872-1232

CMC now distributes free data cards to all cleanup coordinators. More than 47,500 volunteers

Free data cards are available from our Washington, DC office.



Support Materials for Cleanup Organizers and Participants

The Center for Marine Conservation's Marine Debris Program and the CMC/NOAA Marine Debris Information Office (see box) has a wide assortment of materials available about the marine debris problem and beach cleanups. Participants and organizers will find helpful hints, as well as information about cleanup activities in other states. Many of these materials such as slide shows, videos, brochures, and posters will help coordinators give presentations necessary to recruit volunteers.

If you are a cleanup participant we can send you information about the marine debris problem, the types of debris you might find on the beach, or how to organize your own cleanup. Following is a list of materials specifically designed to promote beach cleanup events.

- **Citizens Guide to Plastics in the Ocean: More Than A Litter Problem.** 143-page, readable book about all aspects of the marine debris problem (\$2.00).

- **All About Beach Cleanups: A Helpful Guide to Planning a Beach Cleanup** (Draft). 30-page guide with hints for all coordinators and zone captains (free).

- **Media Action Guide.** A short guide with information on how to generate local media coverage including public service advertisement (PSA) placement (free).

- **Popeye Television PSA** 30-second, fully animated, television PSA. Popeye and Olive Oyl discover Brutus dumping plastics in the water. Popeye does his best to help but at the end says: "I canst do it all by meself peoples, Call 1-800 CMC-Ocean." CMC will direct inquiries concerning beach cleanups to contact state coordinators. (free broadcast quality dupe.).

- **Beach Cleanup PSA.** CMC has produced a 30-second, television PSA to encourage volunteers to come clean the beach. State coordinators can attach their own cleanup date and organization name. CMC hopes you can credit our organization in some way, for example, "This message brought to you in cooperation with the Center for Marine Conservation" (free, with credit to CMC).

- **Trash on America's Beaches: A National Assessment.** CMC report of data collected by 47,000 volunteers during the 1988

National Beach Cleanup (\$5.00).

- **Data Cards.** Detailed information about the data cards on page 7 (free).

- **Guide to Good Data Collection.** This guide contains safety tips and instructions for volunteer data collectors (free).

- **Popeye poster.** Four-color poster with Popeye the Sailor, Olive Oyl, Brutus, and Wimpy explaining the problems of marine debris (free-see page 1).

- **MARPOL Boating Sticker.** 5-inch red, white, and blue sticker that outlines the garbage dumping restrictions of international and U.S. law (free).

- **Brochures.** 8-panel black and white brochures designed for specific audiences: general public, commercial shipping, recreational boating and fishing (free).

Obtain materials from CMC at:
Atlantic Coast & Gulf of Mexico
Marine Debris Information Office
1725 DeSales St., NW Suite 500
Washington, DC 20036
(202) 429-5609
or
Pacific Coast Marine Debris
Information Office
312 Sutter St., Suite 606
San Francisco CA 94108
(415) 391-6204

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Center for Marine Conservation
1725 DeSales St., NW, Suite 500
Washington, DC 20036
(202) 429-5609



Appendix 4. MARPOL Sticker Produced by CMC.

It is illegal for any vessel to dump plastic trash anywhere in the ocean or navigable waters of the United States.

Annex V of the MARPOL TREATY is a new International Law for a cleaner, safer marine environment.

U.S. Lakes, Rivers, Bays, Sounds and 3 miles from shore
ILLEGAL TO DUMP:
Plastics Metal
Paper Crockery
Rags Dunnage
Glass Food

3 to 12 miles
ILLEGAL TO DUMP:
Plastic
If not ground to less than one inch:
ILLEGAL TO DUMP:
Paper Crockery
Rags Dunnage
Glass Food
Metal

12 to 25 miles
ILLEGAL TO DUMP:
Plastic
Dunnage

Outside 25 miles
ILLEGAL TO DUMP:
Plastic

WORKING TOGETHER, WE CAN ALL MAKE A DIFFERENCE!
CENTER FOR MARINE CONSERVATION 1725 DeSales Street, NW Washington, DC 20036 (202) 429-5609

Appendix 5: Marine Debris Educational Materials

ALASKA

Alaska Sea Grant College Program
138 Irving II
University of Alaska Fairbanks
Fairbanks, AK 99775-7086
(907) 474-7086

- * Brochure: "Marine Debris . . . in Alaska? YES!!" Facts and figures about marine debris in Alaska
- * Booklet:
 - "Oceans of Plastic Workshop"
 - "Persistent Marine Debris: Challenge and Response, The Federal Perspective"
A booklet that covers the scope of the problem, its threat to wildlife and the effects on humans (40 pp)
 - "A Guide to Cleaning Up Beach Debris in Alaska" - describes the problem of marine debris and what's involved in conducting a beach cleanup (16pp)

CALIFORNIA

California Coastal Commission
631 Howard St.
San Francisco, CA 94105
(415) 543-8555

- * Stickers:
 - "Don't Trash the Coast" - Advertises Adopt-A-Beach in California and has a 1-800 number to call
 - "Recycle" - advertises Adopt-A-Beach in California

Heal the Bay
1650 A Tenth St.
Santa Monica, CA 90404
(213) 399-1146

- * Papers:
 - Recommended Actions for City of Redondo Beach to address the Marine Debris Problem
 - Impacts of Discarded Plastic Materials on Marine Life
 - Rationale for Ban on Sale and Use of Plastics for Disposable Packaging and Containers
 - Selected Related Existing and Proposed Legislation on Beach Debris
- * Adopt-a-Beach Program: joins the efforts of the Coastal Commission by using their information to encourage people to adopt-a-beach

Marine Debris Educational Materials (cont.)

San Francisco Bay Chapter
Oceanic Society
Building E
Fort Mason
San Francisco, CA 94123

- * Brochure: "Your Guide to Environmentally Sound Boating"
- * Project Ocean -- Oceanic Classroom Education and Networking
 - California Adopt-a-Beach information
 - information on how to adopt a beach - for the general audience
 - information on how to incorporate adopt-a-beach lessons in the classroom - for school teachers

Scripps Institution of Oceanography
University of California
San Diego, CA

- * PSA: 30 second public service announcement on importance of beach cleanup

CONNECTICUT

Connecticut Marine Trades Association
274 Silasdeane Hwy
Weathersfield, CT 06109

- * Poster: "Stow It Don't Throw It" - one page blue and white

Video Play Industries
Box 800
Tolland Industrial Park
Rockville, CT 06066

- * PSA: "The Family of Leatherbacks" - 30 second animated PSA depicting the hazards of plastics to marine wildlife

Schooner, Inc.
60 Southwater St.
New Haven, CT 06519
(203) 865-1737

- * Brochure: "Seven Sound Tips" - tips on how to keep Long Island Sound free of debris

COLORADO

Project Wild
PO Box 18060
Boulder, CO 80308-8060
(303) 444-2390

- * Project Wild Aquatic Education Activity Guide: teachers guide for K-12 about aquatic species and ecosystems including a 2 - page marine debris activity

Draft Compiled by the Center for Marine Conservation

Marine Debris Educational Materials (cont.)

- * Plastic Jellyfish: Learning About Plastic Pollution & Its Effects on Wildlife - teacher and student materials for learning about plastic debris

DELAWARE

University of Delaware Sea Grant
196 S. College Avenue
Newark, DE 19716
(302) 451-8062

- * Publications List
- * MAS NOTE: "Plastic Pollution in the Marine Environment: Boaters Can Help Control a Growing Problem" - a 1- page flyer that gives boaters tips on how to control and dispose of plastics while at sea
- * Delaware Sea Grant Reporter (a quarterly newsletter)

FLORIDA

Organized Fisherman of Florida
P.O. Box 740
Melbourne, FL 32902
(904) 877-8787

- * Fisherman's Resolution On Marine Debris - a three part resolution that outlines an aggressive voluntary effort to stow all trash and to retrieve any trash found while out on the water and to bring it back to shore - the resolution encourages fish houses, marinas and other land based sights to get trash receptacles and recycling programs

Suncoast Seabird Sanctuary
18328 Gulf Blvd.
Indian Shores, FL 34635
(813) 391-6211

- * Brochure: "Help for Hooked Birds"

Sea Grant Extension Program
13412 Gulf Blvd
Madera Beach, FL 33708
(813) 397-4649

- * "Marine Gang" - environmental education on the coastal and marine environment

Wildlife Care Center Education Department
3200 SW 4 Avenue
Ft. Lauderdale, FL 33315
(305) 524-4302

- * ad: 1- page advertisement on six pack ring and entanglement

GEORGIA

University of Georgia
Sea Grant College Program
Ecology Bldg.
Athens, GA 30602

- * logo: "Save Our Seas From Marine Debris" - six pack ring encircling the world - can be used generically and adopted as a logo for any organization or any cause

LOUISIANA

Louisiana Geological Survey
Louisiana State University
Box G, University Station
Baton Rouge, LA 70893
(504) 388-5320

- * Brochure: "Lots of Litter: The Challenge for a Cleaner Coast" - the problem of litter on Louisiana's coast and how it can be controlled

Louisiana Department of Natural Resources
Coastal Management Division
PO Box 94396
Baton Rouge, LA 70893
(504) 342-7591

- * "September Sweep" - publication containing results on Louisiana's 1987 beach cleanup

Louisiana Sea Grant College Program
Center for Wetland Resources
Louisiana State University
Baton Rouge, LA 70803-7507
(504) 388-6445

- * Fact sheet: "Marine Litter: A Dangerous Eyesore" - fact sheet on marine litter (2pp)
- * "Marine Litter: More Than an Eyesore" - 6 - pages on marine debris in *Aquarotes* Vol. 16 No. 2
- * Brochure: "Lend a Hand in the Sand" - information about *September Sweep* - Louisiana's coastal cleanup
- * Bumper Sticker: "Cast Your Line Not Your Litter"

Minerals Management Service
Gulf of Mexico Region
1201 Elmwood Park Blvd
New Orleans, LA 70123

- * Bulletin: a special information packet including information on the Gulf wide beach cleanup, the dangers of marine debris, MARPOL legislation and a fishermen's pledge for a clean ocean (7 pp)

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Marine Debris Educational Materials (cont.)

Offshore Operator's Committee
PO Box 50751
New Orleans, LA 70150

- * video: "All Washed Up" - for offshore oil workers

MAINE

Maine Coastal Program
State of Maine
Executive Department
Station 38
State Planning Office
Augusta, ME 04333
(207) 289-3261

- * Artwork:
 - coastal cleanup announcements
 - advertisement for marine animal entanglement
- * Bumpersticker:
 - "S.O.S. Save our Shores"
 - "Plastic Trash is Fouling Maine's Coast"
- * Posters:
 - "Sea Bird - See Bird Die" - about the hazards of marine debris
 - "Try Putting These on Before You Go Swimming" - picture of handcuffs at top of poster - also contains information on Annex V (can also be used as a magazine ad)

MASSACHUSETTS

MIT Sea Grant
292 Main Street
Bldg. E38-374
Cambridge, MA 02139
(617) 253-7136

- * Brochure:
 - "Plastics: Sealing the Fate of Marine Life" - a brochure on plastics and their effects on the marine environment
 - "No More Dumping Plastics in the Ocean" - a brochure which explains Annex V and Why and How to comply with the new law.
- * Plastic Debris - Coastweeks 1987 Massachusetts Beach Cleanup

World Society for the Protection of Animals
29 Perkins T.
PO Box 190
Boston, MA 02130
(617) 522-7000

- * Poster: "And You Thought You Were Just Killing A Few Beers" - photo of a seabird strangled in a six-pack ring

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Marine Debris Educational Materials (cont.)

MISSISSIPPI

Bureau of Marine Resources
P.O. Drawer 959
Long Beach, MS 39560
(601) 864-4602

- * Poster:
 - "Stash Your Trash: Marine Litter is More Than an Eyesore" (8.5 x 11 and 17 x 22)
 - "Mississippi Coastal Cleanup - Take Pride Gulf Wide"
- * Bumper Stickers:
 - "Don't Litter Coastal Mississippi"
 - "Reduce Marine Litter In Mississippi"
- * Garbage Bag: "Stash Your Trash: Marine Litter is More Than an Eyesore"

NEW JERSEY

American Littoral Society
Sandy Hook, NJ 07732
(201) 291-0055

- * Article: on beach debris

Clean Ocean Action
Bldg. 18 Hartshorne Ave.
Sandy Hook, Highlands, NJ
07732
(201) 872-0111

- * Poster: "Silent Killers" (plastics effect on wildlife)
- * Tampon report - article on plastic tampon applicators on the beach
- * Pamphlets:
 - "10 Tips for Boaters" - how boaters can cut down on marine debris"
 - "10 Tips for a Cleaner Beachfront" - how beachgoers can cut down on plastic debris on the beach
- * Article: "Trash Attack" - 6 pages on a hands on approach to waste reduction
- * A book put out by fourth graders under their teachers' direction which contains drawings, poems, etc dealing with marine debris
- * Beach patrol information - compilation of data collected from beach cleanup

NEW YORK

The NJ Marine Sciences Consortium
Sandy Hook Field Station
Building 22
Fort Hancock, NJ 07732
(201) 872-1300

- * Video:
 - "Great Garbage Chase" - 8 minute filmstrip/video for elementary school students which deals with marine pollution in the NY Bight region (1981)

Marine Debris Educational Materials (cont.)

- "If Fish Could Talk" - 30 minute video for high school students which deals with marine pollution in the NY/NJ region

NORTH CAROLINA

North Carolina Aquarium
Fort Fisher
P.O. Box 130
Kure Beach, NC 28449
(919) 458-8257

- * Slide Show: "An Ocean of Plastic" - 20 minute slide presentation adapted from the CMC slide show - alternated with a hands on demonstration of the problems of plastics in the marine environment
- * exhibit - untitled
- * "Sea Scholars" - program run by aquarium where fifth graders go on a salt marsh and ocean field trip and collect marine debris

North Carolina 4H
Box 7606
NC State U
Raleigh, NC 27695
(919) 737-3242

- * Lesson plans on plastic for 5th grade level:
- "How Strong is a Six Pack Ring?"

University of North Carolina Sea Grant College Program
Box 8605
North Carolina State University
Raleigh, NC 27695-8605
(919) 737-2454

- * "Marine Litter: More Than A Mess" - facts about marine litter from Sea Grant programs in the Mid-Atlantic and Southeast (4 pp)

OREGON

Defenders of Wildlife
0434 SW Iowa St.
Portland, OR 97201

- * T-Shirt: "Blue-Footed Booby" - bird entangled in plastic six-pack ring

Oregon Department of Fish and Wildlife
P.O. Box 59
Portland, OR 97207
(503) 229-5406

- * Poster: "Plague of Plastics, show care for wildlife keep plastic on board"
- * On-board plastic waste storage bag - "Don't Splash Your Trash"

Draft Compiled by the Center for Marine Conservation

Marine Debris Educational Materials (cont.)

Oregon State University Extension
Sea Grant Program
29 SE 2nd
Newport, OR 97365
(503) 265-6611

- * Display - graphic display of animal entanglement in marine debris
- * Slide program about marine debris port project (for loan)
- * Video:
 - general program for children similar to "Trashing the Oceans" (7 minutes)
(see Center for Marine Conservation, Washington, D.C.)
 - "Get The Drift" - about the first beach cleanup held in Oregon in 1984 (12 minutes)

Pacific Marine Fisheries Commission
Marine Debris Project
950 NW 10th St.
Newport, OR 97365
(503) 265-3262

- * Letter: 2 letters to boaters and fishermen regarding MARPOL Annex V
- * Publication *Dealing With Annex V - Reference Guide for Ports* (132 pp)
- * PSA:
 - four 30 second TV PSAs for the general audience as well as recreational and commercial fishermen - spots are not location specific
 - six 30-60 second radio PSAs - spots range in nature from serious to humorous

PUERTO RICO

Puerto Rico Sea Grant
P.O. Box 5000
Mayaguez, PR 00708
(809) 832-8045

- * Poster:
 - "No Hagamos de Nuestras Playas Un Vertedero" - Don't Make Our Beaches a Dumpsite
 - "Se Pana de un Playa, Adoptala" - Adopt-a-Beach
- * Article: "Datos Marinos" - causes of marine debris and conservation of coastal resources
- * Bulletin: Boletín Marino (plástico en el ambiente marino) - "Plastic in the Marine Environment" - put out six times a year which contains articles on plastics in the marine environment and beach cleaning campaigns
- * Fact Sheet: "Enjoy and Preserve Our Beaches" - fact sheet number 8
- * "A Selection of Marine News Clippings on Plastic Trash on the Coasts and Waters Surrounding Puerto Rico & the U.S. Virgin Islands"

Marine Debris Educational Materials (cont.)

RHODE ISLAND

Rhode Island Sea Grant
Publications Office
U of RI Sea Grant Bay Campus
Narragansette, RI 02882-1197
(401) 792-6800

- * Booklet: "Marpol Annex V How it Can Effect You" - explains how the new regulations will affect recreational boaters, fishing vessels, merchant vessels and port and marinas
- * Magazine: "Noreaster" - published in conjunction with other Sea Grants that contain short articles on marine debris

TEXAS

Adopt-a-Beach Program
General Land Office
Stephen F. Austin Bldg Rm 620
1700 N. Congress
Austin, TX 78701
(512) 463-5052

- * Coloring Book: "Don't Mess With Texas Beaches" - teaches children about marine debris and its harmful effects
- * Puppet Show: "Joey Saves the Day" - video tape for pre kindergarten through second grade on how they can help the marine debris problem by participating in beach cleanups
- * Newsletter: "Texas Beach Bulletin" - a quarterly newsletter containing information about adopt-a-beach program, results from beach cleanups, updates on Marpol Annex V and special area designation for the Gulf of Mexico
- * slide presentation: about Texas Adopt-a-Beach program
- * Pamphlet: How to Start an Adopt-a-Beach Program
- * Bumper Sticker: "Don't Mess With Texas Beaches"

Padre Island National Seashore
9405 South Padre Island Dr.
Corpus Christi, TX 78418-5597
(512) 949-8173

- * "Where Does That Trash & Tar Come From?" - One page flyer on trash and tar on Gulf beaches

Texas A & M
University Sea Grant College Program
PO Box 1675
Galveston, TX 77553
(409) 740-4460

- * Brochure: "Everyone's Trash Hurts Someone Sometime" - produced by the Center for Marine Conservation this brochure describes the problems of plastics in the ocean and contains information about MARPOL Annex V

Draft Compiled by the Center for Marine Conservation

Marine Debris Educational Materials (cont.)

- * Magazine: "Texas Shores" - an issue devoted to marine litter Vol. 20 No. 02
- * Video: "Don't Mess With Texas Beaches" - a 30-minute educational video on the cost of ocean dumping in terms of marine life in the state of Texas--and the cost of cleaning the state's beaches
- * PSA:
 - "Don't Mess With Texas Beaches" - 30 second public service announcement featuring Lucky the Dolphin
 - "Take Pride Gulf Wide" - 30 second public service announcement featuring a dolphin character (in production)

VIRGINIA

Virginia Council on the Environment
Commonwealth of Virginia
Ninth Street Office Building Suite 900
Richmond, VA 23219
(804) 786-4500

- * Brochure:
 - "Be Committed to Protecting Virginia's Waterways" - six simple steps every person can take to help keep Virginia's waterways clean
 - "Don't Pass the Bucket: Bring it Ashore" - a brochure for boaters on how to make sure Virginia's waterways are clean and sewage free
- * Sticker: "You Ought To Be Committed" - a large cooler size sticker which contains information on how to do your bit as a boater to help keep Virginia's waterways clean

Virginia Department of Waste Management
101 North 14th St.
Monroe Building 11th floor
Richmond, VA 23219
(804) 225-2667

- * Sticker: a sticker which shows the latest modification for U.S. navigational aids and advertises the "Don't Make a Splash with Trash" message

U.S. Navy
Commander and Chief Of US Atlantic Fleet
Norfolk, VA 23511-6001
(804) 444-6852

- * Poster: "Don't Splash Navy Trash"
- * Video: "Plastics Waste at Sea" - video on Marine Debris and Refuse Handling for Navy Personnel (15 minutes)
- * Plan: "Shipboard Solid Waste and Plastic Management" - guide describing Navy initiatives to control the overboard disposal of plastics waste from U.S. Navy ships (46 pp)

Marine Debris Educational Materials (cont.)

WASHINGTON

Adopt-a-Beach Program
710 2nd Ave
Suite 730
Seattle, WA 98104
(206) 296-6544

- * Adopt-a-Beach volunteer resource guide - Citizen's Directory to Volunteer opportunities in caring for Washington's outercoast, Puget Sound and associated watersheds (40 pp)
- * Adopt-a-Beach Handbook - Description of various projects that volunteer groups can adopt including public education monitoring projects and rehabilitation projects (150 pp)
- * "Getting A Handle on Washington's Marine Debris Crisis: A Role for Citizen Involvement" - a one page sheet on some of the problems associated with marine debris

Marine Entanglement Research Program
National Marine Fisheries Service
7600 Sand Point Way
Seattle, WA 98115

- * all information is available through the Marine Debris Information Office (see Washington, DC)
- * documents on education, mitigation, and research concerning marine debris and high seas fisheries gill net problems

Natural Resource Consultants
4055 21st Ave West
Seattle, WA 98199
(206) 285-3480

- * all information is available through the Marine Debris Information Office (see Washington, DC)
- * "The Growing Problem of Marine Debris" (13pp)
- * Brochure: for North Pacific Fishermen
- * Plaque: Walnut base with brass plate containing fishermen's pledge for a clean ocean
- * Video: instructional video on marine debris and refuse handling for commercial fishermen

Marine Debris Educational Materials (cont.)

Seattle Aquarium
Pier 59
Waterfront Park
Seattle, WA 98101
(206) 386-4339

- * Game: a floor board game teaching the hazards and solutions of plastic marine debris
- * Marine Science Curriculum: "Plastic Debris in Puget Sound" - grades 4-6 introduces the plastic problem with solutions and activities (50 pp)

Washington Sea Grant
Marine Advisory Services
3716 Brooklyn Ave NE
Seattle, WA 98105
(206) 543-6600

- * Poster: "Marine Debris Get a Grip On It" - an octopus picking up trash and putting it in a trash can
- * Brochures:
 - "Plastic In The Ocean: What Are We Doing To Clean It Up?" - discusses new legislation on banning ocean dumping of plastics and its ramifications
 - "Getting a Grip On Marine Debris at Squalicum Harbor"- describes the problem of plastic marine debris and ways to help focus upon Squalicum Harbor
 - "Marine Debris: How Commercial Fishermen Can Help Solve A Growing Problem" - describes the problems plastic marine debris causes for wildlife and to fishermen and how they can help clean it up
 - "Marine Debris: How Recreational Boaters Can Help Solve a Serious Problem"

Washington State Department of Natural Resources
201 John A. Cherberg Bldg
Olympia, WA 98504
(206) 753-5323

- * Action Plan for Marine Debris Work - good model of state agency interactions and recommendations
- * Poster: "Get A Grip On Marine Debris" - A graphic representation of the danger persistent plastic has upon wildlife

Washington State Department of Ecology
Litter Control and Recycling Program
Mailstop PV-11
Olympia, WA 98504
(206) 459-6000

- * Poster:
 - "Litter is Not for the Birds" - a black and white poster that can be colored containing birds sitting in and among trash

Marine Debris Educational Materials (cont.)

- "Don't Splash Your Trash!" a black and white poster that can be colored showing boats dumping trash overboard into a sea full of fish and marine life
- "We're Involved in Operation Shore Patrol: *Join Us*" - colorful poster of people helping to clean the beach

Washington State Parks and Recreation Commission
7150 Cleanwater Lane
Olympia, WA 98504-5711

- * Guide: "Boater's Guide to Clean Water and Good Times" - guide for recreational boaters to help reduce litter, marine pollution, and increase boating safety

WASHINGTON, D.C.

Marine Debris Information Office
Atlantic Coast & Gulf of Mexico
Center for Marine Conservation
1725 DeSales St., NW, Suite 500
Washington, D.C. 20036
(202) 429-5609

Marine Debris Information Office
Pacific Coast Office
Center for Marine Conservation
312 Sutter St., Suite 606
San Francisco, CA 94108
(415) 391-6204

*** Brochures:**

- "When It's Done Holding Your Ship's Garbage, It Could Hold Death for Some Marine Animals." - Commercial Shipping
- "This Discarded Line is Done Fishing. But It's Not Done Killing." - Recreational Fishing
- "Tossing This Trash Overboard Could Leave Death in Your Wake." - Recreational Boaters
- "Our Water Planet is Becoming Polluted With Plastic Debris . . ." - General Public (Developed by Newport Refuse Program)
- "You Have a Competitor Who Continues To Fish Long After The Season's Over . . ." (Developed by Natural Resource Consultants)
- "Everyones Trash Hurts Someone Sometime" - information on marine debris in the Gulf of Mexico

*** Advertisements: for magazines and news publications - available in velox or negatives for full page, 1/4 page or 2/3 column**

- "When It's Done Holding Your Ship's Garbage, It Could Hold Death for Some Marine Animals." - Commercial Shipping
- "This Discarded Line is Done Fishing. But It's Not Done Killing." - Recreational Fishing
- "Tossing This Trash Overboard Could Leave Death in Your Wake." - Recreational Boaters
- "A Seabird Could Mistake This Resin Pellet For a Fish Egg And Die." - Plastics Industry

Draft. Compiled by the Center for Marine Conservation

Marine Debris Educational Materials (cont.)

Reports:

- *A Citizens Guide to Plastics in the Ocean: More Than A Litter Problem* - an overview of the problems that plastic debris causes in the marine environment and how citizens and government officials are and can help reverse the trend of persistent marine debris (143 pp)
- 1987 Texas Report - analysis of data collected in 1987 by 7000 volunteers and provides recommendations for government, industry and the general public to work towards solutions with regards to plastics in the marine environment (120 pp)
- Marine Wildlife Entanglement in North America 1986 (219 pp)
- "Dealing With Annex V - Resource Guide for Ports" - report on Port Based Project to Reduce Marine Debris (131 pp)
- Marine Debris Facts and Figures - Facts on sources of Marine Debris impacts on wildlife and information on plastics - references included - adapted from the Natural Resources Consultants Facts and Figures on Marine Debris (12 pp)
- "Plastics in the Ocean, More Than a Litter Problem" - technical assessment of the marine debris problem focusing on the effect plastic has on wildlife and the marine environment (131 pp)
- "Entanglement Network Newsletter" - current information on legislative activities to reduce marine debris
- "All About Beach Cleanups: A Helpful guide to Planning a Beach Cleanup" (30 pp DRAFT)
- "Nuts and Bolts Guide to Organizing Beach Clean-Up" -- 12 pages
- "Persistent Marine Debris in the North Sea, Northwest Atlantic Ocean, Wider Caribbean Area, and the West Coast of Baja California" - report by Burr Henneman (162 pp)
- Interagency Task Force Report- "Persistent Marine Debris Challenge and Response" (41 pp)

* slide shows:

- General Public - an overview of the problems associated with marine debris and entanglement (47 slides)
- Commercial Fishermen- an overview of the problems associated with commercial fishermen and marine debris developed for the following regions
 - New England
 - South Atlantic
 - Gulf of Mexico
 - Mid Atlantic
 - Pacific Northwest/Alaska

* Videos:

- "Marine Refuse Disposal Project" - video about the pilot program at the Port of Newport in Oregon (9 minutes)
- "Trashing the Oceans" - video about the marine debris problem and its effects (7 minutes)
- "Plastics Are a Different Kind of Trash" - video for oil and gas industry workers which comes with a training guide (18 minutes)

*PSAs:

- 30 second PSA with people walking along the beach for beach cleanups
- Popeye PSA - 30 second, fully animated, television PSA featuring Popeye, Olive Oyl and Brutus explaining the problems of marine debris and that they need help to stop the dumping of trash in the ocean

Marine Debris Educational Materials (cont.)

- * Data Cards - Detailed inventory cards which list types of debris found on the beach. These cards are filled out when conducting beach cleanups and are supplied free to all beach cleanup coordinators
- * Guide to Good Data Collection - a guide on how to fill out the data cards with pictures of some common and difficult to identify types of litter found on the beach
- * posters:
 - "Don't Splash Navy Trash: Others Can Pick Up Your Trail"
 - "Stow It Don't Throw It: It's The Law" - depicts common items floating in the ocean, multicolored (developed by the U.S. Navy)
 - "Don't Teach Your Trash To Swim"
 - "I Hope You Swabs Won't Be Throwin' No **Plastics** Overboard." - cartoon with Popeye, Olive Oyl, Brutus and Wimpy describing the dangers of marine debris to wildlife and to boaters
- * Stickers:
 - "Working Together We Can All Make A Difference!" - red, white and blue sticker which graphically depicts the law restricting dumping in the ocean or navigable waterways of the United States
 - "Stow It" - multicolored for vessel windows or trash cans, depicts common items floating in ocean
 - "I Was On Deck For the Florida Coastal Cleanup" - sticker produced for the September, 1988 Florida Coastal and Inland Waterway Cleanup
- * Coloring Book - ocean debris and anti-litter theme (produced by The Center for Marine Conservation and The National Oceanic and Atmospheric Association)

U.S. EPA
Office of Water
401 M Street SW
Washington, D.C. 20460
(202) 382-2090

- * Directory of National Citizen Volunteer Environmental Monitoring Programs

INTERNATIONAL

AUSTRALIA

CCAMLR
25 Old Wharf, Hobart
Tasmania, Australia 7000

- * Brochure: "Marine Debris: A Potential Threat to Antarctic Marine Animals"

BRITAIN

Advisory Committee on Pollution of The Sea
3 Endsleigh Street
London WC1H 0DD
01-388-2117

- * Newsletter: "The Corona Spring Fizzler" - newsletter and cartoon to announce their beach cleanup

Draft Compiled by the Center for Marine Conservation

Marine Debris Educational Materials (cont.)

- * Beach Survey: A form with which to collect detailed debris information on the beach during a cleanup

Department of Agriculture for Scotland
The Welsh Office, and
The Department of Agriculture for Northern Ireland

- * brochure - "Plastic Kills! Plastic and the Seas"

Department of Transport
2 Marsham Street
London, UK
01-276-5081

- * Posters:
 - Highlights the impacts of marine debris generally
 - Draws attention to the effects of discarded plastics in the marine environment

Keep Britain Tidy Group
Bostel House
37 West St.
Brighton, UK BN1 2RE

- * Report:
 - On a Survey of packaged dangerous goods, munitions and pyrotechnics recovered on the beaches and in the nearshore waters of the British Isles - Stage 3 (1980) & 6 (1985)

The Tidy Britain Group
The Pier
Wigan, UK WN3 4EX

- * Posters:
 - "Please Keep Britain's Beaches Beautiful" - photo of a beautiful beach
 - "Please Leave Nothing But footprints" - a photo of a beautiful beach

Videotel Marine International Ltd.
Ramillies House
1/2 Ramillies St.
London, UK W1V 1DF

- * Video: "Marine Litter" - points out dangers of marine debris and presents solutions to make the sea a cleaner place with a detailed explanation of MARPOL

Marine Debris Educational Materials (cont.)

GREECE

Hellenic Marine Environmental Protection Association
5, Pergamou Street
171 21 Athens Greece

- * Poster: "Let's Keep Our Seas and Beaches Clean" - beach cleanup poster
- * Sticker: "Let's Keep Our Seas and Beaches Clean" - beach cleanup sticker
- * Newsletter: "NEA" - newsletter which summarized a workshop between countries bordering the Mediterranean at which was adopted a resolution to eliminate garbage from the Mediterranean and to adopt the Mediterranean as a "Special Area."

SOUTH AFRICA

The Dolphin Action Protection Group
PO Box 22227
Fish Hoek 7975
Republic of South Africa
(021) 82-5845

- * Brochure: "Save Our Sea Life: Prevent Plastic Pollution"
- * Beach Litter Survey - one page sheet to record beach litter
- * Fact Sheet: "Save Our Sea Life: Prevent Plastic Pollution Campaign Getting into Action the Citizen's Role" - 1 - page
- * Report: "Save Our Sea Life - Prevent Plastic Pollution Campaign" (21 pp)

TURKEY

Youths For Environment and Service (YES)
125/5 Cumhuriyet Bulvarı
Alsancak, İzmir 35212

- * Mediterranean beach cleanup information

PLASTICS RECYCLING AND PLASTICS DEGRADABLE INFORMATION

Bes-Pak Brand
Webster Industries Inc.
Peabody, MA 01960

- * Bags: "Good N' Tuff" - biodegradable bags

Center for Plastics Recycling Research
Rutgers, The State University of NJ
Bldg. 3529 Busch Campus
Piscataway, NJ 08855
(201) 932-3631

- * Recycling Report - a newsletter
- * Bibliography for recycling literature

Draft. Compiled by the Center for Marine Conservation

Marine Debris Educational Materials (cont.)

- * "Including Plastics in a Multimaterial Recycling Program for Non-rural Single Family Homes" (due out in Feb. 1989)
- * Plastics Recycling: Collection Case Studies
- * Report: "An economic model of recycling post consumer products" (17 pp)

North Carolina 4H
Box 7606
NC State U
Raleigh, NC 27695
(919) 737-3242

- * Lesson plans on plastic for 5th grade level:
 - "Why Do We Use Plastics?"
 - "Can We Make Plastics Disappear?"

Council on Plastics and Packaging in the Environment
1275 K Street, NW
Suite 300
Washington, DC 20005

- * Brochures:
 - "Questions and Answers on Plastic Packaging and the Environment"
 - "Plastic Packaging and the Environment: A Glossary of Terms"
- * Fact Sheets on Plastics and the Environment

Glass Packaging Institute
1801 K Street NW
Suite 1105-L
Washington, D.C. 20006
(202) 887-4850

- * Book: Comprehensive Curbside Recycling: Collection Costs and How to Control Them - 30 page workbook
- * Video: "The Problem...Waste Disposal A Solution...Curbside Recycling " - 9 minutes and 44 seconds

National Association for Plastic Container Recovery (NAPCOR)
Ketchum Public Relations
1625 Eye St., NW
Washington, DC 20006
(202) 785-1471

- * Recycling information

Society of the Plastics Industry
1275 K Street NW #400
Washington, D.C. 20005
(202) 371-5200

- * 1989 Plastics Recycling Directory and Reference Guide
- * Brochure: "Plastics and Marine Debris: Solutions through Education"

Draft. Compiled by the Center for Marine Conservation

Marine Debris Educational Materials (cont.)

U.S. General Accounting Office
Washington, D.C. 20548

- * Report - "Degradable Plastics: Standards, Research and Development"

Guardian Poly Industries Inc.
Laval, Canada H7L 4R9

- * Bags: "Bio-Guard" - Biodegradable bags

Marine Debris Educational Materials (cont.)

BROCHURES AND PAMPHLETS:

- "Plastics and Marine Debris: Solutions through Education"**
:Society of The Plastics Industry
- "Plastic Kills! Plastic and the Seas"**
:Department of Agriculture for Scotland, et. al.
- "Seven Sound Tips"** - tips on how to keep Long Island Sound debris free
:Schooner, Inc.
- "Marine Debris . . . in Alaska? YES!"** Facts and figures about marine debris in Alaska
:Alaska Sea Grant College Program
- "Your Guide to Environmentally Sound Boating"**
:Oceanic Society, San Francisco Bay Chapter
- "Help for Hooked Birds"**
:Suncoast Seabird Sanctuary
- "Lots of Litter: The Challenge for a Cleaner Coast"** - the problem of litter on Louisiana's coast and how it can be controlled
:Louisiana Geological Survey
- "Lend a Hand in the Sand"** - information about *September Sweep* - Louisiana's coastal cleanup
:Louisiana Sea grant College Program
- "Plastics: Sealing the Fate of Marine Life"** - a brochure on plastics and their effects on the marine environment
:MIT Sea Grant
- "No More Dumping Plastics in the Ocean"** - a brochure which explains Annex V and Why and How to comply with the new law.
:MIT Sea Grant
- "Be Committed to Protecting Virginia's Waterways"** - six simple steps every person can take to help keep Virginia's waterways clean
:Virginia Council on the Environment
- "Don't Pass the Bucket: Bring it Ashore"** -a brochure for boaters on how to make sure Virginia's waterways are clean and sewage free
:Virginia Council on the Environment
- "When It's Done Holding Your Ship's Garbage, It Could Hold Death For Some Marine Animals."** - Commercial Shipping
:Center for Marine Conservation, Marine Debris Information Office
- "This Discarded Line Is Done ffshing. But It's Not Done Killing."** - Recreational Fishing
:Center for Marine Conservation, Marine Debris Information Office
- "Tossing This Trash Overboard Could Leave Death In Your Wake."** - Recreational Boaters
:Center for Marine Conservation, Marine Debris Information Office

Marine Debris Educational Materials (cont.)

- "Our Water Planet is Becoming Polluted With Plastic Debris . . ."** - General Public
(Developed by Newport Refuse Program)
:Center for Marine Conservation, Marine Debris Information Office
- "Your Have a Competitor Who Continues To Fish Long After The Season's Over . . ."**
(Developed by Natural Resource Consultants)
:Center for Marine Conservation, Marine Debris Information Office
- "Everyones Trash Hurts Someone Sometime"** - information on marine debris in the Gulf of Mexico
:Center for Marine Conservation, Marine Debris Information Office
- "Plastic In The Ocean: What Are We Doing To Clean It Up?"** - discusses new legislation on banning ocean dumping of plastics and its ramifications
:Washington Sea Grant
- "Getting a Grip On Marine Debris at Squalicum Harbor"**- describes the problem of plastic marine debris and ways to help focus upon Squalicum Harbor
:Washington Sea Grant
- "Marine Debris: How Commercial Fishermen Can Help Solve A Growing Problem"** - describes the problems plastic marine debris causes for wildlife and to fishermen and how they can help clean it up
:Washington Sea Grant
- "Marine Debris: How Recreational Boaters Can Help Solve a Serious Problem"**
:Washington Sea Grant
- "Marine Debris: A Potential Threat to Antarctic Marine Animals"**
:CCAMLR (Australia)
- "Save Our Sea Life: Prevent Plastic Pollution"**
:The Dolphin Action Protection Group
- "Questions and Answers on Plastic Packaging and the Environment"**
- "Plastic Packaging and the Environment: A Glossary of Terms"**
:Council on Plastics and Packaging in the Environment
- "10 Tips for Boaters"** - how boaters can cut down on marine debris
:Clean Ocean Action
- "10 Tips for a Cleaner Beachfront"** - how beachgoers can cut down on plastic debris on the beach
:Clean Ocean Action
- "How to Start an Adopt-a-Beach Program"**
:General Land Office (TX)

REPORTS, FACT SHEETS AND HANDBOOKS FOR THE GENERAL PUBLIC

- "Oceans of Plastic Workshop"**
:Alaska Sea Grant College Program
- "Persistent Marine Debris: Challenge and Response, The Federal Perspective"** A booklet that covers the scope of the problem, its threat to wildlife and the effects on humans (40 pp)
:Alaska Sea Grant College Program

Marine Debris Educational Materials (cont.)

- "A Guide to Cleaning Up Beach Debris in Alaska"** - describes the problem of marine debris and what's involved in conducting a beach cleanup (16pp)
:Alaska Sea Grant College Program
- "Marpol Annex V How it Can Effect You"** - explains how the new regulations will affect recreational boaters, fishing vessels, merchant vessels and port and marinas
:Rhode Island Sea Grant
- *Tampoon Report** - article on plastic tampon applicators on the beach
:Clean Ocean Action
- *A Citizens Guide to Plastics in the Ocean: More Than A Litter Problem** - an overview of the problems that plastic debris causes in the marine environment and how citizens and government officials are and can help reverse the trend of persistent marine debris (143 pp)
:Center for Marine Conservation, Marine Debris Information Office
- *1987 Texas Report** - analysis of data collected in 1987 by 7000 volunteers and provides recommendations for government, industry and the general public to work towards solutions with regards to plastics in the marine environment (120 pp)
:Center for Marine Conservation, Marine Debris Information Office
- *Marine Wildlife Entanglement in North America 1986** (219 pp)
:Center for Marine Conservation, Marine Debris Information Office
- "Dealing With Annex V - Resource Guide for Ports"** - report on Port Based Project to Reduce Marine Debris (131 pp)
:Center for Marine Conservation, Marine Debris Information Office
- *Marine Debris Facts and Figures** - Facts on sources of Marine Debris impacts on wildlife and information on plastics - references included - adapted from the Natural Resources Consultants Facts and Figures on Marine Debris (12 pp)
:Center for Marine Conservation, Marine Debris Information Office
- "Plastics in the Ocean, More Than a Litter Problem"** - technical assessment of the marine debris problem focusing on the effect plastic has on wildlife and the marine environment (131 pp)
:Center for Marine Conservation, Marine Debris Information Office
- "Entanglement Network Newsletter"** - current information on legislative activities to reduce marine debris
:Center for Marine Conservation, Marine Debris Information Office
- "All About Beach Cleanups: A Helpful guide to Planning a Beach Cleanup"** (30 pp DRAFT)
:Center for Marine Conservation, Marine Debris Information Office
- "Nuts and Bolts Guide to Organizing Beach Clean-Up"** -- 12 pages
:Center for Marine Conservation, Marine Debris Information Office
- "Persistent Marine Debris in the North Sea, Northwest Atlantic Ocean, Wider Caribbean Area, and the West Coast of Baja California"** - report by Burr Henneman (162 pp)
:Center for Marine Conservation, Marine Debris Information Office

Marine Debris Educational Materials (cont.)

- "Persistent Marine Debris Challenge and Response"** (41 pp)
:Center for Marine Conservation, Marine Debris Information Office
- "On a Survey of packaged dangerous goods, munitions and pyrotechnics recovered on the beaches and in the nearshore waters of the British Isles - Stage 3 (1980) & 6 (1985)"**
:Keep Britain Tidy Group
- "Save Our Sea Life - Prevent Plastic Pollution Campaign"** (21 pp)
a newsletter on recycling
:The Dolphin Action Protection Group
- "Save Our Sea Life: Prevent Plastic Pollution Campaign Getting into Action the Citizen's Role"** - 1 - page fact sheet
:The Dolphin Action Protection Group
- "An economic model of recycling post consumer products"** (17 pp)
:Center for Plastics Recycling Research
- "Degradable Plastics: Standards, Research and Development"**
:US Government Accounting Office
- "Marine Litter: A Dangerous Eyesore"** - fact sheet on marine litter (2pp)
:Louisiana Sea Grant College Program
- * MAS NOTE: "Plastic Pollution in the Marine Environment: Boaters Can Help Control a Growing Problem"** - a 1- page flyer that gives boaters tips on how to control and dispose of plastics while at sea
:University of Delaware Sea Grant
- "Marine Litter: More Than A Mess"** - facts about marine litter from Sea Grant programs in the Mid-Atlantic and Southeast (4 pp)
:University of North Carolina Sea Grant College Program
- "Enjoy and Preserve Our Beaches"** - fact sheet number 8
:Puerto Rico Sea Grant
- *Fact Sheets on Plastics and the Environment**
:Council on Plastics and Packaging in the Environment
- "Where Does That Trash & Tar Come From?"** - One page flyer on trash and tar on Gulf beaches
:Padre Island National Seashore
- "Getting A Handle on Washington's Marine Debris Crisis: A Role for Citizen Involvement"** - a one page sheet on some of the problems associated with marine debris
:Adopt-A-Beach Program (WA)
- *Publications List**
:University of Delaware Sea Grant
- *A book put out by fourth graders under their teachers' direction which contains drawings, poems, etc dealing with marine debris**
:Clean Ocean Action
- *Publication Dealing With Annex V - Reference Guide for Ports** (132 pp)
:Pacific Marine Fisheries Commission

Marine Debris Educational Materials (cont.)

- *"Shipboard Solid Waste and Plastic Management"** - guide describing Navy initiatives to control the overboard disposal of plastics waste from U.S. Navy ships (46 pp).
:U.S. Navy
- *documents on education, mitigation, and research concerning marine debris and high seas fisheries gill net problems**
:Marine Entanglement Research Program
- *"The Growing Problem of Marine Debris"** (13pp)
:Natural Resource Consultants
- *Action Plan for Marine Debris Work** - good model of state agency interactions and recommendations
:Washington State Department of Natural Resources
- *Directory of National Citizen Volunteer Environmental Monitoring Programs**
- *Bibliography for recycling literature**
:U.S. EPA
- *"Including Plastics in a Multimaterial Recycling Program for Non-rural Single Family Homes"**
:Center for Plastics Recycling Research
- *Plastics Recycling: Collection Case Studies**
:Center for Plastics Recycling Research
- *Comprehensive Curbside Recycling: Collection Costs and How to Control Them** - 30 page workbook
:Glass Packaging Institute
- *Recycling information**
:National Association for Plastic Container Recovery
- *1989 Plastics Recycling Directory and Reference Guide**
:Society of the Plastics Industry
- *"Boater's Guide to Clean Water and Good Times"** - guide for recreational boaters to help reduce litter, marine pollution, and increase boating safety
:Washington State Parks and Recreation Commission

NEWSLETTERS, BULLETINS AND STATUS REPORTS

- *Delaware Sea Grant Reporter** (a quarterly newsletter)
:University of Delaware Sea Grant
- *"A Selection of Marine News Clippings on Plastic Trash on the Coasts and Waters Surrounding Puerto Rico & the U.S. Virgin Islands"**
:Puerto Rico Sea Grant
- *"Texas Beach Bulletin"** - a quarterly newsletter containing information about adopt-a-beach program, results from beach cleanups, updates on Marpol Annex V and special area designation for the Gulf of Mexico
:Adopt-A-Beach Program (TX)
- *"The Corona Spring Fizzler"** - newsletter and cartoon to announce their beach cleanup
:Advisory Committee on Pollution of The Sea

Marine Debris Educational Materials (cont.)

- *"NEA" - newsletter which summarized a workshop between countries bordering the Mediterranean at which was adopted a resolution to eliminate garbage from the Mediterranean and to adopt the Mediterranean as a "Special Area."
:Hellenic Marine Environmental Protection Association
- *"Marine Litter: More Than an Eyesore" - 6 - pages on marine debris in *Aquanotes* Vol. 16 No. 2
:Louisiana Sea Grant College Program
- *a special information packet including information on the Gulf wide beach cleanup, the dangers of marine debris, MARPOL legislation and a fishermen's pledge for a clean ocean (7 pp)
:Minerals Management Service
- *"Boletin Marino (plastico en el ambiente marino) - "Plastic in the Marine Environment" - put out six times a year which contains articles on plastics in the marine environment and beach cleaning campaigns
:Puerto Rico Sea Grant
- *"Noreaster" - published in conjunction with other Sea Grants that contain short articles on marine debris
:Rhode Island Sea Grant
- *"Texas Shores" - an issue devoted to marine litter Vol. 20 No. 02
:Texas A & M

PAPERS & ARTICLES

- *Recommended Actions for City of Redondo Beach to address the Marine Debris Problem
:Heal the Bay
- *Impacts of Discarded Plastic Materials on Marine Life
:Heal the Bay
- *Rationale for Ban on Sale and Use of Plastics for Disposable Packaging and Containers
:Heal the Bay
- *Selected Related Existing and Proposed Legislation on Beach Debris
:Heal the Bay
- *"Trash Attack" - 6 pages on a hands on approach to waste reduction
:Clean Ocean Action
- *"Datos Marinos" - causes of marine debris and conservation of coastal resources
:Puerto Rico Sea Grant
- *Fisherman's Resolution On Marine Debris - a three part resolution that outlines an aggressive voluntary effort to stow all trash and to retrieve any trash found while out on the water and to bring it back to shore - the resolution encourages fish houses, marinas and other land based sights to get trash receptacles and recycling programs
:Organized Fishermen of Florida

Marine Debris Educational Materials (cont.)

- ***Plaque:** Walnut base with brass plate containing fishermen's pledge for a clean ocean
: Highliners Association & Natural Resource Consultants (order forms available from the Marine Debris Information Office)

POSTERS

- ***"And You Thought You Were Just Killing A Few Beers"** - photo of a seabird strangled in a six-pack ring
: World Society for the Protection of Animals
- ***"Sea Bird - See Bird Die"** - about the hazards of marine debris
: Maine Coastal Program
- ***"Try Putting These on Before You Go Swimming"** - picture of handcuffs at top of poster - also contains information on Annex V (also can be used as a magazine ad)
: Maine Coastal Program
- ***"Stow It Don't Throw It"** - One page blue and white
: Marine Traders Association
- ***"Stash Your Trash: Marine Litter is More Than an Eyesore"** (8.5 x 11 and 17 x 22)
: Bureau of Marine Resources
- ***"Mississippi Coastal Cleanup - Take Pride Gulf Wide"**
: Bureau of Marine Resources
- ***"Silent Killers"** (plastics effect on wildlife)
: Clean Ocean Action
- ***"Plague of Plastics, show care for wildlife keep plastic on board"**
: Oregon Department of Fish and Wildlife
- ***"No Hagamos de Nuestras Playas Un Vertedero"** - Don't Make Our Beaches a Dumpsite
: Puerto Rico Sea Grant
- ***"Se Pana de un Playa, Adoptala"** - Adopt-a-Beach
: Puerto Rico Sea Grant
- ***"Marine Debris Get a Grip On It"** - an octopus picking up trash and putting it in a trash can
: Washington Sea Grant
- ***"Get A Grip On Marine Debris"** - A graphic representation of the danger persistent plastic has upon wildlife.
: Washington State Department of Natural Resources
- ***"Litter is Not for the Birds"** - a black and white poster that can be colored containing birds sitting in and among trash
: Washington State Department of Ecology
- ***"Don't Splash Your Trash!"** a black and white poster that can be colored showing boats dumping trash overboard into a sea full of fish and marine life
: Washington State Department of Ecology
- ***"We're Involved in Operation Shore Patrol: Join Us"** - colorful poster of people helping to clean the beach
: Washington State Department of Ecology

Marine Debris Educational Materials (cont.)

- "Don't Splash Navy Trash: Others Can Pick Up Your Trail"**
:Center for Marine Conservation, Marine Debris Information Office
- "Stow It Don't Throw It: It's The Law"** - depicts common items floating in the ocean, multicolored (developed by the U.S. Navy)
:Center for Marine Conservation, Marine Debris Information Office
- "Don't Teach Your Trash To Swim"**
:Center for Marine Conservation, Marine Debris Information Office
- "I Hope You Swabs Won't Be Throwin' No Plastics Overboard."** - cartoon with Popeye, Olive Oyl, Brutus and Wimpy describing the dangers of marine debris to wildlife and to boaters.
:Center for Marine Conservation, Marine Debris Information Office
- "Highlights the impacts of marine debris generally"**
:Department of Transport
- "Draws attention to the effects of discarded plastics in the marine environment"**
:Department of Transport
- "Please Keep Britain's Beaches Beautiful"** - photo of a beautiful beach
:The Tidy Britain Group
- "Please Leave Nothing But footprints"** - photo of a beautiful beach
:The Tidy Britain Group
- "Let's Keep Our Seas and Beaches Clean"** - beach cleanup poster
:Hellenic Marine Environmental Protection Association

VIDEOS

- "All Washed Up"** - for offshore oil workers
:Offshore Operators Committee
- "Great Garbage Chase"** - 8 minute filmstrip/video for elementary school students which deals with marine pollution in the NY Bight region (1981)
:New Jersey Marine Sciences Consortium
- "If Fish Could Talk"** - 30 minute video for high school students which deals with marine pollution in the NY/NJ region
:New Jersey Marine Sciences Consortium
- "general program for children similar to 'Trashing the Oceans'"** (7 minutes) (see Center for Marine Conservation, Washington, D.C.)
:Oregon State University Extension
- "Get the Drift"** - about the first beach cleanup held in Oregon in 1984 (12 minutes)
:Oregon State University Extension
- "Joey Saves the Day"** - (puppet show) video tape for pre kindergarten through second grade on how they can help the marine debris problem by participating in beach cleanups
:General Land Office (TX)
- "Don't Mess With Texas Beaches"** - a 30-minute educational video on the cost of ocean dumping in terms of marine life in the state of Texas--and the cost of cleaning the state's beaches
:Texas A & M

Marine Debris Educational Materials (cont.)

- "Plastics Waste at Sea"** - video on Marine Debris and Refuse Handling for Navy Personnel (15 minutes)
:U.S. Navy
- "Instructional video on marine debris and refuse handling for commercial fishermen"**
:Natural Resource Consultants
- "Marine Refuse Disposal Project"** - video about the pilot program at the Port of Newport in Oregon (9 minutes)
:Center for Marine Conservation, Marine Debris Information Office
- "Trashing the Oceans"** - video about the marine debris problem and its effects (7 minutes)
:Center for Marine Conservation, Marine Debris Information Office
- "Plastics Are a Different Kind of Trash"** - video for oil and gas industry workers which comes with a training guide (18 minutes)
:Center for Marine Conservation, Marine Debris Information Office
- "Marine Litter"** - points out dangers of marine debris and presents solutions to make the sea a cleaner place with a detailed explanation of MARPOL
:Videotel Marine International Ltd.
- "The Problem...Waste Disposal A Solution...Curbside Recycling"** - 9 minutes and 44 seconds
:Glass Packaging Institute

SLIDE SHOWS

- "An Ocean of Plastic"** - 20 minute slide presentation adapted from the CMC slide show - alternated with a hands on demonstration of the problems of plastics in the marine environment
:North Carolina Aquarium
- *General Public** - an overview of the problems associated with marine debris and entanglement (47 slides)
:Center for Marine Conservation, Marine Debris Information Office
- *Commercial Fishermen**- an overview of the problems associated with commercial fishermen and marine debris developed for the following regions
 - New England
 - South Atlantic
 - Gulf of Mexico
 - Mid Atlantic
 - Pacific Northwest/Alaska
:Center for Marine Conservation, Marine Debris Information Office
- *Slide program about marine debris port project** (for loan)
:Oregon State University Extension
- *Texas Adopt-a-Beach program**
:General Land Office (TX)

Marine Debris Educational Materials (cont.)

PSAs

- *30 second public service announcement on importance of beach cleanup
:Scripps Institution of Oceanography
- *"The Family of Leatherbacks" - 30 second animated PSA depicting the hazards of plastics to marine wildlife
:Video Play Industries
- *four 30 second TV PSAs for the general audience as well as recreational and commercial fishermen - spots are not location specific
:Pacific Marine Fisheries Commission
- *six 30-60 second radio PSAs - spots range in nature from serious to humorous
:Pacific Marine Fisheries Commission
- *"Don't Mess With Texas Beaches" - 30 second public service announcement featuring Lucky the Dolphin
:Texas A & M
- *"Take Pride Gulf Wide" - 30 second public service announcement featuring a dolphin character (in production)
:Texas A & M
- *30 second PSA with people walking along the beach for beach cleanups
:Center for Marine Conservation, Marine Debris Information Office
- *Popeye PSA - 30 second, fully animated, television PSA featuring Popeye, Olive Oyl and Brutus explaining the problems of marine debris and that they need help to stop the dumping of trash in the ocean
:Center for Marine Conservation, Marine Debris Information Office

STICKERS

- *"Don't Trash the Coast" - Advertises Adopt-A-Beach in California and has a 1-800 number to call
:California Coastal Commission
- *"Recycle" - advertises Adopt-A-Beach in California
:California Coastal Commission
- *"Cast Your Line Not Your Litter"
:Louisiana Sea Grant College Program
- *"S.O.S. Save our Shores"
:Marine Coastal Program
- *"Plastic Trash is Fouling Maine's Coast"
:Marine Coastal Program
- *"Don't Litter Coastal Mississippi"
:Marine Coastal Program
- *"Reduce Marine Litter In Mississippi"
:Marine Coastal Program
- *"Don't Mess With Texas Beaches"
:General Land Office

Marine Debris Educational Materials (cont.)

"You Ought To Be Committed" - a large cooler size sticker which contains information on how to do your bit as a boater to help keep Virginia's waterways clean

:Virginia Council on the Environment

***a sticker which shows the latest modification for U.S. navigational aids and advertises the "Don't Make a Splash with Trash" message**

:Virginia Department of Waste Management

"Working Together We Can All Make A Difference!" - red, white and blue sticker which graphically depicts the law restricting dumping in the ocean or navigable waterways of the United States

:Center for Marine Conservation, Marine Debris Information Office

"Stow It" - multicolored for vessel windows or trash cans, depicts common items floating in ocean

:Center for Marine Conservation, Marine Debris Information Office

"I Was On Deck For the Florida Coastal Cleanup" - sticker produced for the September, 1988 Florida Coastal and Inland Waterway Cleanup

:Center for Marine Conservation, Marine Debris Information Office

"Let's Keep Our Seas and Beaches Clean" - beach cleanup sticker

:Hellenic Marine Environmental Protection Association

ADS

***ad:** 1- page advertisement on six pack ring and entanglement

:Florida Sea Grant Extension Program

***advertisements for marine animal entanglement** - for magazines and news publications - available in velox or negatives for full page, 1/4 page or 2/3 column

- **"When it's Done Holding Your Ship's Garbage, It Could Hold Death For Some Marine Animals."** - Commercial Shipping

- **"This Discarded Line Is Done Fishing. But It's Not Done Killing."** - Recreational Fishing

- **"Tossing This Trash Overboard Could Leave Death In Your Wake."** - Recreational Boaters

- **"A Seabird Could Mistake This Resin Pellet For a Fish Egg And Die."** - Plastics Industry

:Center for Marine Conservation, Marine Debris Information Office

BAGS

"Stash Your Trash: Marine Litter is More Than an Eyesore"

:Bureau of Marine Resources (MS)

"Don't Splash Your Trash"

:Oregon Department of Fish & Wildlife

"Good N' Tuff" - biodegradable bags

:Bes Pak Brand

Marine Debris Educational Materials (cont.)

- *"Bio-Guard" - Biodegradable bags
:Guardian Poly Industries Inc.

BEACH CLEANUP & ADOPT-A-BEACH INFO:

- ***Adopt-a-Beach Program:** joins the efforts of the Coastal Commission by using their information to encourage people to adopt-a-beach
:Heal the Bay
 - ***Project Ocean --** Oceanic Classroom Education and Networking
 - California Adopt-a-Beach information
 - for general audience gives information on how to adopt a beach
 - for school teachers gives information on how to incorporate adopt-a-beach lessons in the classroom - :Oceanic Society - San Francisco Bay Chapter
- ***"September Sweep"** - publication containing results on Louisiana's 1987 beach cleanup
:Louisiana Department of Natural Resources
- ***Plastic Debris** - Coastweeks 1987 Massachusetts Beach Cleanup
:MIT Sea Grant
- ***Beach patrol information** - compilation of data collected from beach cleanup
:Clean Ocean Action
- ***Adopt-a-Beach volunteer resource guide** - Citizen's Directory to Volunteer opportunities in caring for Washington's outercoast, Puget Sound and associated watersheds (40 pp)
:Adopt-a-Beach Program (WA)
- ***Adopt-a-Beach Handbook** - Description of various projects that volunteer groups can adopt including public education monitoring projects and rehabilitation projects (150 pp)
:Adopt-a-Beach Program (WA)
- ***Data Cards** - Detailed inventory cards which list types of debris found on the beach. These cards are filled out when conducting beach cleanups and are supplied free to all beach cleanup coordinators.
- ***Guide to Good Data Collection** - a guide on how to fill out the data cards with pictures of some common and difficult to identify types of litter found on the beach.
:Center for Marine Conservation, Marine Debris Information Office
- ***Beach Survey:** A form with which to collect detailed debris information on the beach during a cleanup
:Advisory Committee on Pollution of the Sea
- ***Beach Litter Survey** - one page sheet to record beach litter
:The Dolphin Action Protection Group
- ***Mediterranean beach cleanup information**
:Youths for Environment and Service

CURRICULUM AND GUIDES FOR EDUCATORS

- ***Project Wild Aquatic Education Activity Guide:** teachers guide for K-12 about aquatic species and ecosystems including a 2 - page marine debris activity
:Project Wild (CO)
- ***Plastic Jellyfish: Learning About Plastic Pollution & Its Effects on Wildlife -**
teacher and student materials for learning about plastic debris
:Project Wild (CO)
- ***"Marine Gang"** - environmental education on the coastal and marine environment
:Sea Grant Extension Program (FL)
- ***"Sea Scholars"** - program run by aquarium where fifth graders go on a salt marsh and ocean field trip and collect marine debris
:North Carolina Aquarium
- ***"How Strong is a Six Pack Ring?"**
:North Carolina 4H
- ***"Why Do We Use Plastics?"**
:North Carolina 4H
- ***"Can We Make Plastics Disappear?"**
:North Carolina 4H
- ***Coloring Book: "Don't Mess With Texas Beaches"** - teaches children about marine debris and its harmful effects
:Adopt-a-Beach Program
- ***Game:** a floor board game teaching the hazards and solutions of plastic marine debris
:Seattle Aquarium
- ***"Plastic Debris in Puget Sound"** - grades 4-6 introduces the plastic problem with solutions and activities (50 pp)
:Seattle Aquarium
- ***Coloring Book** - ocean debris and anti-litter theme (produced by The Center for Marine Conservation and The National Oceanic and Atmospheric Association
:Center for Marine Conservation, Marine Debris Information Office

OTHER ARTWORK:

- ***logo:** "Save Our Seas From Marine Debris" - six pack ring encircling the world - can be used generically and adopted as a logo for any organization or any cause -
University of Georgia Sea Grant Program
:University of Georgia
- ***exhibit** - untitled -
:North Carolina Aquarium
- ***T-Shirt: "Blue-Footed Booby "** - bird entangled in plastic six-pack ring -Defenders of Wildlife
:Defenders of Wildlife
- ***Display** - graphic display of animal entanglement in marine debris
:Oregon State University Sea Grant Program

Marine Debris Educational Materials (cont.)

***Letter:** 2 letters to boaters and fishermen regarding MARPOL Annex V - Pacific
Marine Fisheries Commission
:Pacific Marine Fisheries Commission

Appendix 6. Contents List for MDIO Informational Packets.

General Public - The contents of the general public packet discuss the marine debris problem and tell citizens how to get involved working towards solutions. All items are copyright free. The MDIO encourages citizens to reproduce and distribute individual items.

- **cover letter**
- **Citizens Guide** - An informative guide on the marine debris issue for concerned citizens with suggested activities on how to help. In its second printing, the *Citizens Guide* is one of the most up to date presentations of marine debris problems and solutions.
- **Smithsonian Magazine article** - A brief, readable summary of the problem.
- **recreational boating brochure** - 8-panel, color brochure designed to inform a general recreational boating audience. These brochures are available in small quantities or in bulk for mass distribution.
- **Port of Newport brochure** (produced by Port of Newport project)- This brochure offers a general presentation of the marine debris issue.
- **Washington Sea Grant**- The article is a summary of marine plastics legislation thoroughly describes the background and intent of the law. Attached to this article is a current description of legal requirements under Coast Guard regulations.
- **poster** - The "Don't Teach your Trash to Swim" poster is a gentle reminder to properly dispose of plastic trash.
- **Action Page** - brief description of tangible changes citizens and industry members can take to reduce marine debris.
- **coastal cleanup campaigns** - summary of beach cleanup efforts and importance of volunteer data collection.
- **educational materials order form** - A standardized order form will expedite the process necessary to fulfill requests for information. Every time the MDIO fulfills a request for information, we will include a replacement copy of the materials list/order form. The order form includes a feedback tear sheet to give the MDIO the opportunity to request feedback on the operations of the MDIO. We would also like to hear individual success stories, and comments on new educational materials available or needed.

Teachers and Educators - The teacher informational packet discusses what the marine debris problem is and how teachers and students can get involved with its solutions.

- **cover letter**
- **Citizens Guide** - An informative guide on the marine debris issue for concerned citizens with suggested activities on how to help. In its second edition, the *Citizens Guide* provides one of the most up to date presentations of marine debris problems and solutions.
- **Smithsonian Magazine article** - A brief, readable summary of the problem.
- **Time Magazine article** - Outlines general problems of marine pollution and mentions contributions made by persistent marine debris. The *Time* article gives national recognition to the issue.
- **Science World article** - This is a short article specifically written for an elementary school audience.
- **recreational boating brochure** - 8-panel, color brochure designed to inform a general recreational boating audience. These brochures are available in small quantities or in bulk for mass distribution.
- **Port of Newport brochure** - This brochure offers a general presentation of the marine debris issue.
- **Washington Sea Grant** - The article is a summary of marine plastics legislation thoroughly describes the background and intent of the law. Attached to this article is a current description of legal requirements under Coast Guard regulations.
- **bibliography** - Teachers can use the extensive marine debris bibliography to locate other articles related to marine debris or a related topic.
- **poster** - The "Don't Teach your Trash to Swim" poster in the classroom is a gentle reminder to properly dispose of plastic trash.
- **rubber band exercise** - An elementary school teacher designed this hands-on activity to introduce children to the problems wildlife encounter from marine debris. The MDIO uses this short exercise to illustrate to adults as well as children the debilitating effect plastics can have on wildlife.
- **Clearing Newsletter** - Special issue on marine debris from "Clearing: Environmental Education in the Pacific Northwest." This issue contains many activities designed specifically for marine debris education.
- **North Carolina 4-H group activity** - The NC 4-H group created three activities for students to discover the role and uses of plastics.
- **"Stow It" sticker** - Decorative stickers for boats advertise the issue.
- **All About Beach Cleanups** - Teachers can use this guide to conduct a field trip activity or school beach cleanup.
- **data cards** - The MDIO will provide data cards to record types and amounts of debris found on the beach.
- **Action Page** - brief description of tangible changes citizens and industry members can take to reduce marine debris.
- **educational materials order form** - A standardized order form will expedite the process necessary to fulfill requests for information.

Appendix 6. Contents List for MDIO Informational Packets (cont.)

Elementary (K to 5th grade) - This packet is designed to be activity oriented. CMC tries to involve the children by providing decorative stickers, coloring books and photographs.

- **cover letter**
- **Science World article** - This is a short article specifically written for an elementary school audience.
- **coloring book** - This coloring book illustrates the problems of marine debris to a young audience.
- **poster** - The "Don't Teach your Trash to Swim" poster in the classroom is a gentle reminder to properly dispose of plastic trash.
- **Port of Newport brochure** - This brochure offers a general presentation of the marine debris issue.
- **"Stow It" stickers** - Many children collect stickers. Other children will enjoy decorating their books and bedrooms with decorative decals.
- **"Don't Teach your Trash to Swim"**
- **Action Page** - brief description of tangible changes citizens and industry members can take to reduce marine debris.
- **educational materials order form** - A standardized order form will expedite the process necessary to fulfill requests for information. Every time CMC fulfills a request for information, we will include a replacement copy of the materials list/order form. The order form includes a feedback tear sheet to give CMC the opportunity to request feedback on the operations of the MDIO. We would also like to hear individual success stories, and comments on new educational materials available or needed.

Appendix 6. Contents List for MDIO Informational Packets (cont.)

Middle School and High School (6th to 12th grade) and College Students - Most requests from high school and college students result from a classroom assignment. In addition to background information, we like to provide reference materials useful for reports and term papers. The truly motivated student can use the information to organize a school or community marine debris project.

- **cover letter**
- **Citizens Guide** - An informative guide on the marine debris issue for concerned citizens with suggested activities on how to help. In its second edition, the *Citizens Guide* is one of the most up to date presentations of marine debris problems and solutions.
- **Smithsonian Magazine article** - A brief, readable summary of the problem.
- **Time Magazine article** - This article outlines general problems with marine pollution and mentions contributions made by persistent marine debris. The *Time* article gives national recognition to the issue and provides a reference to students writing a report.
- **recreational boating brochure** - 8-panel, graphic brochure designed to inform a general recreational boating audience. These brochures are available in small quantities or in bulk for mass distribution.
- **Port of Newport brochure** - This brochure offers a general presentation of the marine debris issue.
- **Washington Sea Grant** - The article is a summary of marine plastics legislation thoroughly describes the background and intent of the law. Attached to this article is a current description of legal requirements under Coast Guard regulations.
- **bibliography** - Students can use the extensive marine debris bibliography to locate other articles related to their interest topic.
- **poster** - The "Don't Teach your Trash to Swim" poster is a gentle reminder to properly dispose of plastic trash.
- **coastal cleanup campaigns** - summary of beach cleanup efforts and importance of volunteer data collection.
- **All About Beach Cleanups** - Motivated high school students can use this guide to complete a class assignment or arrange a group activity.
- **data cards** - The MDIO will provide data cards to record types and amounts of debris found on the beach. When returned to CMC, we will incorporate the information into the National Marine Debris Database.
- **Action Page** - brief description of tangible changes citizens and industry members can take to reduce marine debris.
- **educational materials order form** - A standardized order form will expedite the process necessary to fulfill requests for information.

Appendix 6. Contents List for MDIO Informational Packets (cont.)

Recreational Fishermen and Boaters - Like the general public, it is important to inform recreational fishermen and boaters about the marine debris problem and tell them how to become involved. In addition, regular marine users need to know how U.S. legislation could affect their activities.

- **cover letter**
- **Citizens Guide** - An informative guide on the marine debris issue for concerned citizens with suggested activities on how to help. In its second edition, the *Citizens Guide* is one of the most up to date presentations of marine debris problems and solutions.
- **Smithsonian Magazine article** - A brief, readable summary of the problem.
- **recreational boating brochure** - 8-panel, color brochure designed to inform a general recreational boating audience. These brochures are available in small quantities or in bulk for mass distribution.
- **recreational fishing brochure** - 8-panel, color brochure designed for a recreational fishing audience that specifically discusses hazards of monofilament fishing line.
- **10 tips for a cleaner ocean** - one-page brochure produced by Clean Ocean Action. The brochure suggests how boaters can help reduce marine pollution.
- **Port of Newport brochure** - This brochure offers a general presentation of the marine debris issue.
- **How Boaters can Help Stop Marine Debris** - The Washington Sea Grant summary of marine plastics designed specifically for recreational boaters.
- **poster** - The "Don't Teach your Trash to Swim" poster is a gentle reminder to properly dispose of plastic trash.
- **"Stow It" bumper sticker** - Decorative bumper stickers for boats advertise the issue.
- **Action Page** - brief description of tangible changes citizens and industry members can take to reduce marine debris.
- **coastal cleanup campaigns** - summary of beach cleanup efforts and importance of volunteer data collection.
- **educational materials order form** - A standardized order form will expedite the process necessary to fulfill requests for information.

Appendix 6. Contents List for MDIO Informational Packets (cont.)

Press and Media Personnel - CMC commonly receives calls from journalists working on a rushed deadline. In a timely manner we will provide background information and graphics materials.

- **cover letter**
- **Citizens Guide** - An informative guide on the marine debris issue for concerned citizens with suggested activities on how to help. In its second edition, the *Citizens Guide* is one of the most up to date presentations of marine debris problems and solutions.
- **list of available slides** - A list of the MDIO's most popular slides and videos will help the media visualize graphic additions to their stories.
- **fact sheet** - The fact sheet includes statistics on marine debris. Information on amount of debris collected during beach cleanups is also useful to journalists and will be part of the press packet.
- **press release "Garbage Harms Fish and Boats"** - press release prepared by Marine Debris Consultants.
- **Smithsonian Magazine article** - A brief, readable summary of the problem.
- **Port of Newport brochure** - This brochure offers a general presentation of the marine debris issue.
- **poster** - The "Don't Teach your Trash to Swim" poster is a gentle reminder to properly dispose of plastic trash.
- **bibliography** - The media can use the extensive marine debris bibliography to locate other articles related to their interest topic.
- **Washington Sea Grant** - The article is a summary of marine plastics legislation thoroughly describes the background and intent of the law. Attached to this article is a current description of legal requirements under Coast Guard regulations.
- **Action Page** - brief description of tangible changes citizens and industry members can take to reduce marine debris.
- **coastal cleanup campaigns** - summary of beach cleanup efforts and importance of volunteer data collection.
- **educational materials order form** - A standardized order form will expedite the process necessary to fulfill requests for information.

Appendix 6. Contents List for MDIO Informational Packets (cont.)

Plastics Recycling and Degradable Information - As a result of the connection of marine debris with the Solid waste issue, CMC has a large amount of information about plastics recycling. We receive many requests for materials and information about degradable and recyclable plastics.

- **cover letter**
- **"Plastic Bottle Recycling Today" brochure** - Informative brochure developed by SPI about the technology and feasibility of recycling plastics.
- **NAPCOR Newsflash** - Newsletter of the National Association for Plastic Container Recovery (NAPCOR).
- **Resource Recycling magazine** - Informative excerpts from 1/88 recycling journal.
- **technical recycling reports** - Bibliography and price list for technical reports produced by the Center for Plastics Recycling Research at Rutgers University.
- **Rutgers data base information** - Price list and description of data base available from Information Services Division of Rutgers' Center for Plastics Recycling Research. This handout also lists 66 publications currently available through the data base.
- **Recycling Study Guide** - Educators guide containing plastics and recycling classroom activities.
- **educational materials order form** - A standardized order form will expedite the process necessary to fulfill requests for information.

Appendix 6. Contents List for MDIO Informational Packets (cont.)

Cruise Ship passengers - As of December 31, 1988, it became illegal for boats or ships of any kind to dump plastics in navigable waters of the U.S. Passengers will be particularly interested in the Coast Guard's proposed "Bounty System" that returns half of assessed civil penalties to persons that report plastics dumping violations.

- **cover letter**
- **Citizens Guide** - An informative guide on the marine debris issue for concerned citizens with suggested activities on how to help. In its second edition, the *Citizens Guide* is one of the most up to date presentations of marine debris problems and solutions.
- **Smithsonian Magazine article** - A brief, readable summary of the problem.
- **commercial shipping brochure** - 8-panel, color brochure designed to inform the merchant shipping audience. Cruise ship passengers will want to learn of the contributions of the commercial shipping industry.
- **Bruce Bingham article** - The story of Bruce Bingham is an example of what a concerned, motivated citizen can do to influence the garbage disposal practices of a passenger cruise line.
- **Port of Newport brochure** - This brochure offers a general presentation of the marine debris issue.
- **Action Page** - brief description of tangible changes citizens and industry members can take to reduce marine debris.
- **poster** - The "Don't Teach your Trash to Swim" poster is a gentle reminder to properly dispose of plastic trash.
- **coastal cleanup campaigns** - summary of beach cleanup efforts and importance of volunteer data collection.
- **educational materials order form** - A standardized order form will expedite the process necessary to fulfill requests for information.

Appendix 6. Contents List for MDIO Informational Packets (cont.)

Fishermen and Fish Processors - CMC feels it is important to approach fishermen and fish processors in a non-confrontational manner. We hope to inform commercial fishermen about the problem without an accusatory tone. Although some fishermen have little sympathy for threats to what they view as pesky seals, they do appreciate the inconvenience of prop entanglement in gill nets or plastic sheeting. The aim of this packet is to suggest that items a fisherman throws overboard could also cause him a costly delay or repair.

- **cover letter**
- **"Dear Fishermen"** - Letter by Fran Recht to commercial fishermen.
- **Citizens Guide** - An informative guide on the marine debris issue for concerned citizens with suggested activities on how to help. In its second edition, the *Citizens Guide* is one of the most up to date presentations of marine debris problems and solutions.
- **Reference Guide for Ports** - Description of highly successful model port project in Newport, Oregon.
- **How Commercial Fishermen Can Help Solve the Marine Debris Problem** - Informational pamphlet produced by Washington Sea Grant.
- **Garbage Harms Fish and Boaters** - Press release produced by Marine Debris Consultants.
- **Ports Gearing Up for Cleanup** - Press release about port activities to stop marine debris.
- **Port Contact List** - List of other ports conducting marine debris educational projects.
- **NRC/Highliners plaque order form and description** - The Highliners association wrote this "Fisherman's Pledge for a Clean Ocean" to commit their support for ocean conservation. The 8" x 10" brass plate can be engraved with vessel name.
- **Newport Model Port Project summary** - The success of Newport, Oregon's educational port project can provide a model for all other commercial shipping ports to follow.
- **Plastics World article** - This article demonstrates the unique cooperation between the plastics industry, fishing industry and government to develop solutions to the marine debris problem.
- **commercial shipping brochure** - 8-panel, color brochure. These brochures are available in small quantities or in bulk for mass distribution.
- **Port of Newport brochure** - This brochure offers a general presentation of the marine debris issue.
- **poster** - The "Don't Teach your Trash to Swim" poster is a gentle reminder to properly dispose of plastic trash.
- **educational materials order form** - A standardized order form will expedite the process necessary to fulfill requests for information.

Appendix 6. Contents List for MDIO Informational Packets (cont.)

Cargo Vessel Operators and Crews - Similar to our approach with commercial fishermen, CMC wants merchant shippers to realize they are not the sole contributors to the marine debris problem. The more information available to cargo vessel operators will increase their ability to understand and comply with the requirements of the law.

- **cover letter**
- **Citizens Guide** - An informative guide on the marine debris issue for concerned citizens with suggested activities on how to help. In its second edition, the *Citizens Guide* is one of the most up to date presentations of marine debris problems and solutions.
- **commercial shipping brochure** - 8-panel, color brochure designed to inform a merchant shipping audience. These brochures are available in small quantities or in bulk for mass distribution.
- **Reference Guide for Ports** - Description of highly successful model port project in Newport, Oregon.
- **Knightengale Article**
- **list of MARPOL signatory countries** - All countries signatory to MARPOL, Annex V must provide adequate reception facilities to receive plastic debris. A list of signatory countries can assist vessel operators develop a waste management plan while in foreign waters.
- **Washington Sea Grant**- The article is a summary of marine plastics legislation thoroughly describes the background and intent of the law. Attached to this article is a current description of legal requirements under Coast Guard regulations.
- **poster** - The "Don't Teach your Trash to Swim" poster is a gentle reminder to properly dispose of plastic trash.
- **Kearney/Centaur commercial shipping placard** - This double-sided, plastic encased card illustrates proper disposal areas for a variety of vessel and garbage types.
- **Port of Newport brochure** - This brochure offers a general presentation of the marine debris issue.
- **educational materials order form** - A standardized order form will expedite the process necessary to fulfill requests for information. Every time CMC fulfills a request for information, we will include a replacement copy of the materials list/order form. The order form includes a feedback tear sheet to give CMC the opportunity to request feedback on the operations of the MDIO. We would also like to hear individual success stories, and comments on new educational materials available or needed.

Appendix 6. Contents List for MDIO Informational Packets (cont.)

Offshore Oil and Gas (companies) - Offshore oil rigs must adhere to perhaps the most stringent requirements of the Coast Guard regulations. By law oil and gas companies must conduct training seminars that discuss rig operations. CMC will provide materials to seminar leaders on plastic debris. We will provide background information and training materials to members of both management and training staff. We will also supply management with a copy of materials we can provide to their workers.

- **cover letter**
- **Citizens Guide** - An informative guide on the marine debris issue for concerned citizens with suggested activities on how to help. In its second edition, the *Citizens Guide* is one of the most up to date presentations of marine debris problems and solutions.
- **Kearney/Centaur video order information** - "Plastics are a Different Kind of Trash," developed by Kearney/Centaur, is a 6-minute slide video designed for offshore oil and gas industry workers in the Gulf of Mexico.
- **poster** - The "Don't Teach your Trash to Swim" poster is a gentle reminder to properly dispose of plastic trash.
- **Reference Guide for Ports** - Description of highly successful model port project in Newport, Oregon.
- **Washington Sea Grant** - The article is a summary of marine plastics legislation thoroughly describes the background and intent of the law. Attached to this article is a current description of legal requirements under Coast Guard regulations.
- **Texas Report** - CMC's 1987 report about the Texas Coastal Cleanup is a good resource for Texas and Gulf Coast residents and oil and gas industry members.
- **Port of Newport brochure** - This brochure offers a general presentation of the marine debris issue.
- **educational materials order form** - A standardized order form will expedite the process necessary to fulfill requests for information. Every time CMC fulfills a request for information, we will include a replacement copy of the materials list/order form. The order form includes a feedback tear sheet to give CMC the opportunity to request feedback on the operations of the MDIO. We would also like to hear individual success stories, and comments on new educational materials available or needed.

Appendix 6. Contents List for MDIO Informational Packets (cont.)

Offshore Oil and Gas (workers) - Information provided to workers can connect actions that take place on an oil rig to tons of debris that wash up on the beaches.

- **cover letter**
- **Citizens Guide** - An informative guide on the marine debris issue for concerned citizens with suggested activities on how to help. In its second edition, the *Citizens Guide* is one of the most up to date presentations of marine debris problems and solutions.
- **commercial shipping brochure** - 8-panel, color brochure designed to inform a merchant shipping audience. These brochures are available in small quantities or in bulk for mass distribution.
- **Washington Sea Grant**- The article is a summary of marine plastics legislation thoroughly describes the background and intent of the law. Attached to this article is a current description of legal requirements under Coast Guard regulations.
- **Smithsonian Magazine article** - A brief, readable summary of the problem.
- **Port of Newport brochure** - This brochure offers a general presentation of the marine debris issue.
- **poster** - The "Don't Teach your Trash to Swim" poster is a gentle reminder to properly dispose of plastic trash.
- **"Stow It" stickers** - Many offshore oil and gas workers collect stickers for their helmets.
- **"Don't Teach Your Trash to Swim stickers"** - Many offshore oil and gas workers collect stickers for their helmets.
- **educational materials order form** - A standardized order form will expedite the process necessary to fulfill requests for information. Every time CMC fulfills a request for information, we will include a replacement copy of the materials list/order form. The order form includes a feedback tear sheet to give CMC the opportunity to request feedback on the operations of the MDIO. We would also like to hear individual success stories, and comments on new educational materials available or needed.

Appendix 6. Contents List for MDIO Informational Packets (cont.)

Plastics Manufacturers and Resin Pellet Producers - The Society of the Plastics Industry developed a comprehensive packet to distribute to plastics manufacturers and resin pellet producers. There is no material currently available able to improve on its content.

- **cover letter**
- **SPI Resin Pellet Producer Information Packet.**

Appendix 6. Contents List for MDIO Informational Packets (cont.)

Port and Terminal Operators - The law and implementing regulations require port and terminal operators to provide adequate reception facilities. Education materials for ports will focus on requirements of the law specific to their facilities.

- **cover letter**
- **Citizens Guide** - An informative guide on the marine debris issue for concerned citizens with suggested activities on how to help. In its second edition, the *Citizens Guide* is one of the most up to date presentations of marine debris problems and solutions.
- **commercial shipping brochure** - 8-panel, color brochure designed to inform a merchant shipping audience. These brochures are available in small quantities or in bulk for mass distribution.
- **Port of Newport brochure** - This brochure offers a general presentation of the marine debris issue.
- **Reference Guide for Ports** - Description of highly successful model port project in Newport, Oregon.
- **Ports Gearing Up for Cleanup** - Press release about port activities to stop marine debris.
- **Port Contact List** - List of other ports conducting marine debris educational
- **poster** - The "Don't Teach your Trash to Swim" poster is a gentle reminder to properly dispose of plastic trash.
- **Washington Sea Grant** - The article is a summary of marine plastics legislation thoroughly describes the background and intent of the law. Attached to this article is a current description of legal requirements under Coast Guard regulations.
- **educational materials order form** - A standardized order form will expedite the process necessary to fulfill requests for information. Every time CMC fulfills a request for information, we will include a replacement copy of the materials list/order form. The order form includes a feedback tear sheet to give CMC the opportunity to request feedback on the operations of the MDIO. We would also like to hear individual success stories, and comments on new educational materials available or needed.

Appendix 6. Contents List for MDIO Informational Packets (cont.)

Charter Vessel Operators - We plan to provide the same type of information to charter vessel operators as to recreational fisherman. Additionally we will provide extra copies of the *Citizens Guide* and brochures for the ship's library.

- **cover letter**
- ***Citizens Guide*** - An informative guide on the marine debris issue for concerned citizens with suggested activities on how to help. In its second edition, the *Citizens Guide* is one of the most up to date presentations of marine debris problems and solutions.
- **Smithsonian Magazine** - A brief, readable summary of the problem.
- **recreational boating brochure** - 8-panel, graphic brochure designed to inform a general recreational boating audience. These brochures are available in small quantities or in bulk for mass distribution. Enclosed are multiple copies for your ships library.
- **recreational fishing brochure** - 8-panel, color brochure designed to inform a recreational fishing audience particularly about the hazards of monofilament fishing line. These brochures are available for general information or for bulk distribution. Enclosed are multiple copies for your ships library.
- **Port of Newport brochure** - This brochure offers a general presentation of the marine debris issue.
- **poster** - The "Don't Teach your Trash to Swim" poster is a gentle reminder to properly dispose of plastic trash.
- **"Stow It" sticker** - Decorative stickers for boats advertise the issue.
- **Washington Sea Grant** - The article is a summary of marine plastics legislation thoroughly describes the background and intent of the law. Attached to this article is a current description of legal requirements under Coast Guard regulations.
- **educational materials order form** - A standardized order form will expedite the process necessary to fulfill requests for information.

Beach Cleanup - The contents of the beach cleanup packet contains information that will be useful for someone interested in starting a beach cleanup in their area.

- **cover letter**
- **Data Card** - The MDIO will provide data cards to record types and amounts of debris found on the beach. When returned, CMC will incorporate the information into the National Marine Debris Database.
- **Texas Report** - CMC's 1987 report about the Texas Coastal Cleanup is a good resource for Texas residents and citizens of the Gulf Coast States.
- **Trash on America's Beaches: A National Assessment** - Result from 1988 47,000 volunteers collected information during beach cleanups to determine types and sources of beach trash.
- **All About Beach Cleanups**- Helpful guide to conduct a field trip activity or school beach cleanup.
- **Recreational Boating Brochure** - 8-panel, color brochure designed to inform a general recreational boating audience. These brochures are available in small quantities or in bulk for mass distribution.
- **Port of Newport Brochure** - This brochure offers a general presentation of the marine debris issue.
- **State Coordinators** - Currently CMC is able to distribute a network list of national beach cleanup organizers.
- **Coastal Connection Newsletter** - Summary of 1988 beach cleanup results and information about marine debris problem.
- **Educational Materials Order Form** - A standardized order form will expedite the process necessary to fulfill requests for information.

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In recent years, increasing attention has been paid to the problems caused by man-made debris in the marine environment. It poses serious threats to marine wildlife, navigation, and aesthetic qualities of marine areas. Marine debris is more than a litter problem.... References for the following information appear on page 8.

PLASTICS IN THE OCEAN AND ON THE BEACHES

1. Plastics are the most common man-made objects sighted at sea. In a 1988 survey, 89% of the trash observed floating in the North Pacific Ocean was plastic.
2. Resin pellets, the raw form of plastic, constitute a large part of marine debris, yet go largely unnoticed. Surface concentrations averaging 3500 pellets per km² have been reported for the Sargasso Sea, and concentrations in the Cape Basin region of the South Atlantic range from 1300 to 3600 pellets per km².
3. Near industrial centers in New Zealand, concentrations of up to 100,000 pellets were observed in one square meter of beach, however, sightings of 10,000 or more beads per square meter of beach were not unusual.
4. Many common plastic objects, such as bottles, sheeting, and polystyrene foam ("Styrofoam") cups were found on remote Arctic beaches of the southern Beaufort Sea. Even more prevalent were plastics related to the petroleum industry, such as explosive cartridges, drill hole plugs, and blasting cap protectors.

INCREASING USE OF PLASTICS

5. In 1960, approximately 6.3 billion pounds of plastic were produced in the United States. By the early 1970's, this figure had tripled, with an annual production of more than 20 billion pounds. Plastic production has continued to increase in the U.S. to a volume of almost 50 billion pounds in 1988—more than 10 pounds of plastic for every person on earth.
6. In 1987, the United States produced more than 34 billion plastic bottles, more than one billion pounds of plastic trash bags, 201 million pounds of plastic used for disposable diapers, and 450 million pounds of plastic to manufacture shipping sacks and pallet shrink wrap.
7. The packaging industry alone used more than 14 billion pounds of plastics in 1987, nearly all of it ending up as waste.

NATIONAL COASTAL CLEANUP

The Coastal Cleanup is an annual event where volunteers join together to collect trash off their local beaches and record the types of and amounts of debris found. Last year, 47,500 volunteers gathered 1,973,995 pounds of trash from more than 3500 miles of U.S. shoreline.

8. During the 1988 National Coastal Cleanup, 62% of the trash collected was plastic.

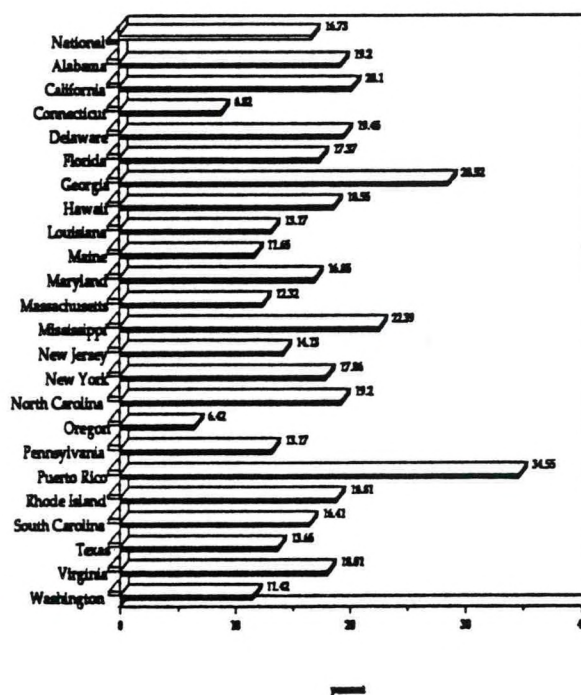
9. The "Dirty Dozen" represents the twelve objects most commonly found on beaches in the U.S.

<u>Debris Item</u>	<u>Total Number Reported</u>	<u>Percent of Total Debris Collected</u>
Plastic pieces (or fragments)	134,685	6.82
Small "Styrofoam" pieces	125,725	6.37
Plastic eating utensils	112,465	5.70
Metal beverage cans	99,847	5.06
"Styrofoam" cups	95,807	4.85
Glass beverage bottles	95,028	4.81
Plastic caps and lids	90,998	4.61
Paper pieces	85,864	4.35
Plastic trash bags	78,025	3.95
Misc. types of plastic bags	74,672	3.78
Glass pieces	65,819	3.33
<u>Plastic soda bottles</u>	<u>58,116</u>	<u>2.94</u>
TOTAL	1,117,051	56.59

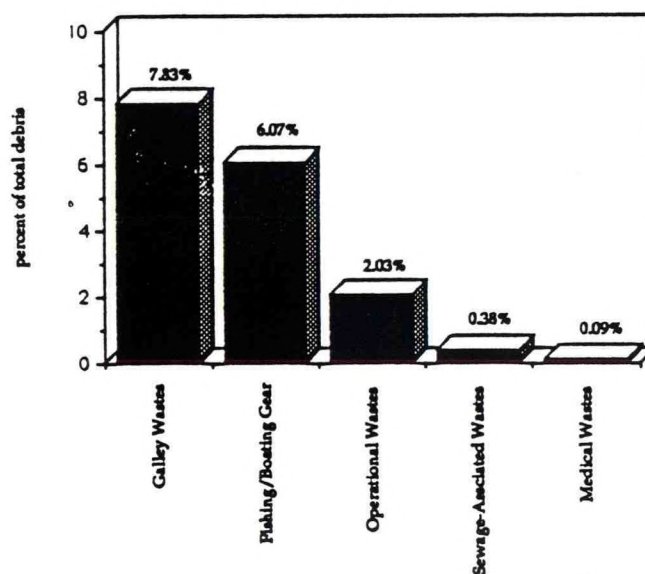
Information compiled by the Center for Marine Conservation and adapted from the Natural Resources Consultants' "Facts and Figures on Marine Debris."

Appendix 8. Marine Debris Facts and Figures (cont.)

10. Bottles and Associated Goods Collected During 1988 Beach Cleanups.



11. Indicator Items Reported from 1988 Beach Cleanups.



Information compiled by the Center for Marine Conservation and adapted from the Natural Resources Consultants' "Facts and Figures on Marine Debris."

IMPACT ON ANIMALS

In general, the impact of entanglement and ingestion of plastics is known only for individual animals and is not known at population levels. The most obvious exceptions are endangered species, such as Hawaiian monk seals, whose current populations are so small that any additional source of mortality may threaten the survival of the species.

Marine Mammals

12. The greatest threats to marine mammals appear to be entanglement and entrapment in lost or discarded fishing nets or other plastic debris, such as uncut strapping bands. At one time, an estimated 50,000 northern fur seals died annually due to entanglement, primarily in net fragments. More recent studies show that this number has declined to 30,000, but this is most likely due to a reduced population of fur seals.

13. Scientists conducted new entanglement studies at St. Paul Island in February of this year. Their findings revealed that entanglement rates have decreased from 0.4% to 0.29%. More specifically, the levels of entanglement in trawl webbing have fallen by 50% over the past few years.

14. Marine mammals have been reported to eat plastic. Plastic sheeting has been found in the stomachs of pygmy whales, sperm whales, round-toothed dolphins, and a Cuvier beaked whale.

Seabirds

Seabirds become entangled in many kinds of marine debris, including fishings nets, monofilament fishing line, kite strings, and plastic bags.

15. Of the world's 280 species of seabirds, 80 species (28%) are known to ingest plastics.

16. In Alaska, the problem is worse, where 40% of the seabird species have been found to ingest plastics.

17. In a study conducted on Hawaiian seabirds, 16 of 18 species sampled were found to have ingested plastic.

18. In one study of Alaskan seabirds, plastic resin pellets constituted 70% of the plastic ingested. Researchers speculate that seabirds selectively choose these pellets because they resemble food items, such as planktonic organisms, fish eggs, small crabs, and other prey.

19. Californian scientists found 21.7 particles of plastic per individual in shearwater and parakeet auklets.

Sea Turtles

All of the known species of sea turtles are classified as either "threatened" or "endangered" under the U.S. Endangered Species Act.

Appendix 8. Marine Debris Facts and Figures (cont.)

19. Sea turtles frequently swallow plastic bags, apparently mistaking them for jellyfish, one of their favorite foods. They also ingest pieces of polystyrene foam ("Styrofoam,") monofilament fishing line, and several other kinds of synthetic drift items.
20. Observations of sea turtles found stranded along the south Texas coast from 1986 through 1988 revealed that they were significantly affected by ingestion of marine debris. Entanglement in marine debris also posed a problem but not as prevalent as ingestion. All five species of sea turtle found in the Gulf of Mexico had eaten or been entangled in marine debris.
21. One turtle found in New York had actually consumed 590 feet of heavy duty fishing line.
22. In waters near Japan, most of the five species of sea turtles were found to have a high frequency of plastic ingestion.

Fish and Crabs

23. The most frequently cited problems for fish are entanglement in derelict gill nets and ingestion of plastic resin pellets. Some years ago, juvenile flounders along the U.S. Atlantic coast were found to have ingested resin pellets.
24. In studies done on the longnose lancetfish in Japan, synthetic materials made up 53% of the stomach contents in stranded specimens and 61.6% in gill-netted specimens.
25. Problems most commonly reported for crabs involve capture by derelict crab traps. NMFS divers near a marina in Southeast Alaska found crabs entangled in "balls" of discarded monofilament fishing line, used heavily by sport fishermen.
26. An estimated \$250 million in marketable lobster is lost each year from ghost fishing.

IMPACT ON HUMAN ACTIVITY

27. Marine debris endangers the safety and livelihood of fishermen and recreational boaters. Nets and monofilament fishing line can obstruct propellers and plastic sheeting and bags can block cooling intakes. Such damage is hazardous for vessels at sea as well as costly in terms of repair and lost fishing time. In a survey conducted in Newport, Oregon, 58% of the fishermen indicated they had experienced vessel problems due to plastic debris and incurred an average expense of \$2725 per vessel.
28. Based on statistics of damage insurance for fishing vessels in Japan, the leading cause of engine damage is encounters with plastic at sea. Insurance companies estimate that a total of \$50 million has been awarded for repairs from damage incurred by marine debris.
29. On a three mile stretch of beach in Santa Monica, California, an average of 130 tons of trash a month is collected and hauled off the beaches. Maintaining a clean beach at Santa Monica cost the city \$1,275,354 in 1988.
30. In the summer of 1988, when medical waste and other debris were reported washing up on the beaches of New York, it was estimated that \$1 billion was lost in tourism revenue and costs to clean the waters and beach areas.

SOURCES OF MARINE DEBRIS

31. In 1975, the National Academy of Sciences estimated that ocean-going sources dumped 14 billion pounds of garbage into the sea every year—more than 1.5 million pounds per hour. (This figure includes all solid cargo and crew waste material, excluding edible wastes, discarded by the world's commercial fishing and merchant shipping fleets, passenger ships, military vessels, oil drilling rigs and platforms, recreational boaters, as well as waste washed to sea during vessel accidents and major storms.)

World Merchant Shipping

32. Between 1967 and 1982, the world merchant fleet increased from 182 million to 425 million gross registered tons (G.R.T.)

33. According to a 1975 report of the National Academy of Sciences, the world merchant fleets generated the following amounts of litter (all kinds of man made objects, excluding food wastes) per year:

Cargo-associated litter — 12,348,000,000 lb

Crew-associated litter — 242,550,000 lb

The world's merchant shipping fleet accounted for more than 80% of the ocean sourced garbage.

34. According to a recent study, the world fleet of vessels (excluding commercial fishing vessels) dumps at least 4,800,000 metal, 450,000 plastic, and 300,000 glass containers into the sea every day. This does not include many other kinds of plastic objects being discarded, such as six-pack yokes, eating utensils, plastic sheeting, rope, disposable cigarette lighters, etc.

World Navies

35. According to the 1975 report by the National Academy of Sciences, the world navies were estimated to dump 163,170,000 lb of trash into the oceans each year.

36. World Navy personnel in 1985 amounted to approximately 2.75 million, of which the U.S. Navy accounted for approximately 25 percent.

37. In a personnel study conducted by the Navy, 3.1 lb of solid waste per person per day is generated aboard Navy vessels. 0.1-0.2 lb of that total is plastic.

Waste Type	Quantities (lb/man/day)	
	<u>1971</u>	<u>1988</u>
paper	1.03 (34%)	1.11 (35%)
food	1.33 (43%)	1.28 (41%)
plastic	0.01 (0.3%)	0.21 (7%)
<u>other</u>	<u>0.68 (22%)</u>	<u>0.55 (17%)</u>
TOTAL	3.05	3.15

Appendix 8. Marine Debris Facts and Figures (cont.)

Commercial Fishing Industry

38. The National Academy of Sciences estimated that the commercial fishing fleets generated the following amount of litter per year (excluding edible wastes:)

Crew-generated litter	--	749,000,000 lb
Fishing gear	--	2,205,000 lb

This constituted roughly 5% of ocean-sourced marine debris.

39. The world's commercial fishing fleets discard more than 23,000 tons of plastic packaging and 135,000 tons of plastic fishing gear, such as nets, rope, traps, and buoys, every year.

Recreational Fishing

40. In 1984, there were approximately 81 million fishing traps in the marine waters of the continental United States.

Recreational Boating

41. According to the U.S. Coast Guard's estimates, approximately 1.5 pounds of garbage per boater day was thrown into coastal waters, harbors, and bays.

42. An estimated 34,000 tons of trash was thrown into U.S. coastal waters in 1975.

Beachgoers

43. From 1973 to 1983, the annual number of beachgoers in Los Angeles County doubled to 79 million visitors. Approximately 75 tons of trash per week is left behind by beachgoers.

MARPOL ANNEX V

In response to the growing problem of marine pollution, MARPOL (short for Marine Pollution) Annex V was enacted on December 31, 1988. This international treaty makes it illegal for any vessel to dump plastic trash into the ocean or navigable waters in the United States. Limitations are also set on the dumping of other kinds of trash.

Who must comply with this new law?

- *all ships, from small boats to tankers
- *platforms and crewboats
- *commercial fishermen
- *recreational fishermen
- *marinas and private docks
- *fish processing facilities

Contact your local Coast Guard Captain to report inadequate reception facilities or any illegal dumping. Violators caught dumping will be fined up to \$25,000.00.

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37. Ship's Guide to Recent Navy Initiatives for Shipboard Solid and Plastics Waste Development. 1988. pp. ii,13.
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40. National Marine Fisheries Service. 1986. "Marine recreational fishery statistics survey, Atlantic and Gulf coasts", 1985. Current Fishery Statistics No. 8327, 8328.
41. Duerr, C. 1980. "Plastic is Forever: Our Non-degradable Treasures." Oceans. November, pp.59-60.
42. Supra. note 31.
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<u>Activity and Location</u>	<u>Date</u>	<u>Staff Present</u>	<u>Description</u>
Fish Expo '88 Boston, MA	Oct. 11-15, 1988	K. O'Hara P. Debenham	Display at commercial fishing trade show attendance 25,000
Society of Naval Architects Washington, D.C.	October 17, 1989	V. MacKinnon	Marine debris seminar for commercial shipping industry: attendance
Oceans '88 Baltimore, MD	Oct. 31-Nov. 2, 1988	K. O'Hara P. Debenham V. MacKinnon	Paper delivered by K. O'Hara. Display and attendance at commercial shipping seminar and exposition
Interagency Task Force Washington, D.C.	Nov. 3, 1988	K. O'Hara P. Debenham	Attendance and update of MDIO activities
Navy Ad Hoc Advisory Panel Annapolis, MD	Nov. 9, 1988	P. Debenham	Attendance and update of MDIO activities
Environmental Quality in the Gulf of Mexico Galveston, TX	Nov. 16-18, 1988	K. O'Hara P. Debenham	Organization of conference by MDIO paper delivered by K. O'Hara
International Symposium on Fishing Gear and Vessel Design St. Johns, Newfoundland	Nov. 20-21, 1988	K. O'Hara	Poster Session at international commercial fishing exposition
VA High School	Dec. 1, 1988	V. MacKinnon	Presentation on marine debris problem
Northeast Solid Waste Conference Atlantic City, NJ	Dec. 5, 1988	K. O'Hara P. Debenham	Paper delivered by K. O'Hara
Southern Recreational Sport Fishing and Boating Journals Marietta, GA Montgomery, AL	Dec. 13-14, 1988	P. Debenham with Society of the Plastics Industry	Presentation to editors of Bassmaster, Southern Saltwater, and regional Fish and Game publications
Waste Management Inc.	Jan. 21, 1989	P. Debenham	Presentation of MDIO

<u>Activity and Location</u>	<u>Date</u>	<u>Staff Present</u>	<u>Description</u>
Washington, D.C			activities
Council for Solid Waste Solutions Washington, D.C.	Jan. 27, 1989	P. Debenham	Pesentation of MDIO activities
Keep America Beautiul (exec. committe) Washington, D.C.	Feb. 9, 1989	P. Debenham	Pesentation of MDIO activities
Paul VI High School Herdon, VA	Feb. 23, 1989	P. Debenham E. Nash P. Lichtman	Pesentation of marine debris problem
Sea Grant Week Charleston, SC	Feb. 27, 1989	K. O'Hara P. Debenham	Papers delivered by P.D. and K.O. for Sea Grant annual meeting
World Exposition of Saltwater Sports Fishing Miami, FL	March 15-19, 1989	K. O'Hara P. Debenham	Display at recreational boating trade show: attendance 50,000
Second International Conference on Marine Debris Honolulu, Hawaii	April 2-7, 1989	K. O'Hara P. Debenham	Attendance and paper presentation and the Chair of Working Group on Education Attendance and paper presentation
Marine Debris Roundtable Baltimore, Maryland	May 3-4, 1989	K. O'Hara P. Debenham	Attendance at roundtable discussion about marine debris activiti sponsored by EPA presentat of MDIO activities
EPA Peer Review Washington,	May 8, 1989	P. Debenham	Attendance and comments on EPA Report to Congress
Navy Ad Hoc Committee Washington, D.C.	May 30, 1989	K. O'Hara P. Debenham	Attendance at advisory meeting to help U.S. Navy comply with MARPOL Annex V
Porter Jr. High Austin, Texas	May 31, 1989	L. Maraniss	Presentation about marine debris

<u>Activity and Location</u>	<u>Date</u>	<u>Staff Present</u>	<u>Description</u>
Lakeway Men's Breakfast Club Lakeway, Texas	June 7, 1989	L. Maraniss	Presentation about marine debris
North American Marine Educators Association Regional Meeting Virginia Beach, Virginia	June 17, 1989	K. O'Hara	Presentation about marine debris problem
Navy Ad Hoc Committee Washington, D.C.	June 26, 1989	P. Debenham P. Lichtman	Attendance at advisory meeting to help U.S. Navy comply with MARPOL Annex V
ARK Forum Austin, Texas	July 1, 1989	L. Maraniss	Television interview
Austin Power Squadron Austin, Texas	July 1, 1989	L. Maraniss	Presentation about marine debris problem
Channel 13 TV Hampton, Virginia	July 14, 1989	K. O'Hara	Television interview about marine debris problem
Sierra Club Yorktown, Virginia	August 17, 1989	K. O'Hara	Presentation about marine debris problem
Chesapeake Conservation Corps Hampton, Virginia	August 25, 1989	K. O'Hara	Presentation about marine debris problem
The Management of Medical and Infectious Waste HMCRI Regional Conference Nashville, TN	August 24, 1989	K. O'Hara	Presentation about marine debris problem and medical at regional conference
Texas Parks and Wildlife Department Austin, Texas	September 5, 1989	L. Maraniss	Presentation about marine debris problem
Central Texas TV Austin, Texas	September 7, 1989	L. Maraniss	Television interview about marine debris problem
Largo High School Largo, Florida	September 8, 1989	H. Lovett	Presentation about marine debris problem

<u>Activity and Location</u>	<u>Date</u>	<u>Staff Present</u>	<u>Description</u>
Jefferson High School Tampa, Florida	September 11, 1989	H. Lovett	Presentation about marine debris problem to 1200 stu
Clean Water Action	September 18, 1989	L. Maraniss	Presentation about marine debris problem
Press Conference Corpus Christi, Texas	September 19, 1989	L. Maraniss	Press event to promote marine debris problem
American Association of University Women	September 20, 1989	K. O'Hara	Presentation about marine debris problem
Press Conference Padre Island National Seashore, Texas	September 23, 1989	L. Maraniss	Press event to promote clea marine debris problem

<u>Activity and Location</u>	<u>Date</u>	<u>Staff Present</u>	<u>Description</u>
MARPOL Annex V Meeting Coast Guard Session Coast Guard Island, CA	1/25/89		Presentation: Overview of the marine debris problem
You Can Make A Difference" Conference Stanford University, CA	1/28/89		Display at environmental awareness fair
17th Annual Fisheries Forum Sacramento, CA	2/14/89		Attendance: a public hearing for commercial fishermen to CA state joint committee on Fisheries and Aquaculture
Marine Debris Recycling Program Advisory Committee Meeting Sausalito, CA	2/23/89		Attendance as a committee member
Scripps Institute Symposium, "Ocean Pollution: Sink or Swim" San Diego, CA	2/25-26/89		Conducted a workshop for educators
Public Hearing of the CA State Lands Commission Ocean Trash Dumping" Los Angeles, CA	3/9/89		Public Testimony: overview of the marine debris problem
Pacific Inter-Club Yacht Association of No. Cal. Treasure Island, CA	3/18/89		Presentation: Overview of the marine debris problem
Second International Conference on Marine Debris Honolulu, HI	4/2-7/89		Attendance: Conference covered various aspects of marine marine debris research, policy and educational efforts
Earth Day 1989 Berkeley, CA	4/23/89		Display at environmental awareness fair and distributed materials
Symposium:Untangling the Plastic Threat Monterey Bay Aquarium			Attendance and brief presentation: workshop for educators on plastic

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Monterey, CA			debris in the ocean
Opening Day on the Bay San Francisco Bay, CA.	4/30/89		Attendance: marks the opening day of sailing
4H Leader Marine Education Workshop	5/6/89		Presentation: overview of the marine debris problem and available resources
San Francisco Conserva- tion Corps San Francisco, CA.	5/10/89		Presentation: overview of the marine debris problem
Second Statewide Ocean Pollution Conference Marin Headlands, CA	5/13/89		Attendance: review and discussion of state and local activities to combat ocean pollution
Marine Debris Recycling Program Advisory Committee San Francisco, CA.	5/15/89		Attendance as a committee member
U.S. Coast Guard Auxiliary, 11th District	6/22/89		Presentation: overview of the marine debris problem and MARPOL Annex V
Second Annual Humming- toadfish Festival Sausalito, CA	6/25/89		Display at marine environmental awareness fair
Keep San Mateo Clean" Committee San Mateo, CA	7/13/89		Presentation: overview of the marine debris problem, MDIO and CA Cleanup
"Keep San Mateo Clean" Executive Committee San Mateo, CA	7/20/89		Presentation: overview of the marine debris
HMCRI Medical Waste Conference San Francisco, CA	8/10/89		Presentation: overview of the marine debris problem, National Data Base and medical waste

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Community Congrega- tional Church Tiburon, CA	8/14/89		Presentation: overview of the marine debris problem MDIO, and CA Cleanup
CA Marine Debris Action Plan Steering Committee Meeting San Francisco, CA	8/22/89		Presentation: overview of the marine debris problem, CA current programs, MDIO, and the CA Cleanup
UC Berkeley Conservation Resources Studies Program Berkeley, CA	9/5/89	Maria Brown	presented information about the marine debris problem and MDIO.
Environmental Protect- ion Agency (EPA) San Francisco, CA	9/7/89		Presentation: overview of the marine debris problem and the CA Cleanup