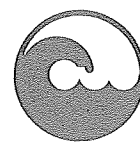




1992

INTERNATIONAL COASTAL CLEANUP RESULTS



Center for Marine Conservation

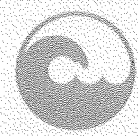
• ANTIGUA & BARBUDA • ARGENTINA • BAHAMAS • BARBADOS • BELIZE • BRITISH VIRGIN ISLANDS •

• ZEALAND • NIGERIA • NORWAY • PAKISTAN • PANAMA • SINGAPORE • ST. KITTS/NEVIS • TASMANIA • UNITED STATES • VENEZUELA

• CANADA • CUBA • CYPRUS • DENMARK • DOMINICAN REPUBLIC • ENGLAND • FINLAND • GRENADA • GREECE • HONG KONG



1992 INTERNATIONAL COASTAL CLEANUP RESULTS



Center for Marine Conservation

• INDONESIA • ISRAEL • JAPAN • KOREA • MALAYSIA • MEXICO • NETHERLANDS ANTILLES • NEW

1992 International Coastal Cleanup Report

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The Center for Marine Conservation (CMC), established in 1972, is a marine conservation organization dedicated to protecting marine wildlife and conserving coastal and ocean resources. To further these conservation goals, CMC conducts policy-oriented research; promotes public awareness, education, and citizen involvement; supports domestic and international programs for marine wildlife and their habitats; and advocates sound policies concerning the marine environment.

The International Coastal Cleanup, part of CMC's Clean Ocean Campaign, is supported by the Center's 110,000 members and special contributions from Pew Charitable Trust; the U.S. Environmental Protection Agency; ARCO Foundation; US Navy; National Oceanic and Atmospheric Administration; the Society of the Plastics Industry; Prospect Hill Foundation; Chevron; USA, Inc.; Kettering Family Foundation; Jantzen, Inc.; Merck Family Fund; Patagonia; Freed Foundation; and NAPCOR.

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It would be impossible to list all of the people who contributed to making this report. The entire cleanup program wouldn't be possible without the dedicated efforts of the state and country coordinators. Their tireless efforts are truly amazing. They are each tasked with the unenviable job of mobilizing hundreds of volunteers to collect and categorize trash. To each and every one of the 160,000 volunteers who continue to donate their free time to help our marine environment, thank- you. Below are listed just a few of those individuals who dedicated time and effort to this project.

Kathy O'Hara - Director of CMC's Pollution Prevention Program. Kathy has become well known amongst the environmental community as the "Trash Woman." Her vast knowledge in the area of marine debris has been invaluable to the pollution program. Kathy started the cleanup over five years ago and she still consistently comes up with new and innovative ways to improve and present the information in this report. Kathy is a truly unique person who deserves the utmost recognition for all of her hard work.

Megumi Nishikubo - This is the second year that Megumi has lent her invaluable support to the International Coastal Cleanup and the production of this report. As the Cleanup grows to include more and more countries, we come in contact with so many different languages and cultures. Unfortunately, our own limitations here at the Center force us to communicate with most country cleanup coordinators in English. With Megumi's help, we are able to make an exception with Japan. A native of Japan, Megumi has established a working relationship with JEAN, the organization based in Tokyo that coordinates Japan's coastal cleanup. Megumi spent untold hours translating between CMC & JEAN. If we could only have more people like Megumi.

Evan Matthews - Evan's first experience with the Center for Marine Conservation was pushing a staff member's car out of the mud on his first day as an intern for the Center in Hampton, Virginia. That was two years ago and, believe or not, Evan still comes back for more on a volunteer basis. This past year, Evan's help ranged from hosting the Annual Coordinator's Meeting in November, to teaching students in schools in Washington, D.C. about the International Coastal Cleanup and how they can become involved. Last but not least, Evan has been an enormous resource for both creative and technical support for this report. Thank you, Evan!

Gail Jenkins and Donna Lewis, two very special individuals who spent many hours entering more than 23,000 datacards into the computer database. For six months they became "data detectives." Their efforts were the backbone of this report. We couldn't have done it without them!



Bahamas volunteers joined the Cleanup in 1992.

INTRODUCTION

The Center for Marine Conservation has coordinated volunteer coastal cleanups for seven years, beginning with a statewide beach cleanup in Texas in 1986 which turned out to be the start of something quite spectacular. During the 1992 International Coastal Cleanup more than 160,000 volunteers representing 33 nations and territories* on six continents cleaned their local beach or waterway and collected data on their findings. Most of the 33 participating countries joined the global campaign for the first time. The Cleanup also welcomed back coordinators and volunteers from the 13 countries, that worked together for the 1991 event.

Results from the 1992 International Coastal Cleanup provide valuable insight into the extent of the marine debris problem across the globe. Cleanup data indicates that plastic marine debris, whether it comes from ocean or land based sources, dominates the global trash scene. Whether a participating country had signed onto MARPOL Annex V**, thus prohibiting the disposal of plastics in their exclusive economic zone, or was not party to the international treaty, made no significant difference in the percentage of debris collected that was plastic.

While this information is disconcerting to say the least, it does not come as shocking news. One property of plastic debris that cleanup data illustrates is its excellent ability to travel long distances. Therefore, plastic dumped in waters where such disposal is still legal can easily end up in waters where MARPOL Annex V is in force. The countries and territories of the Wider Caribbean region are particularly vulnerable to this occurrence due to the region's 29 different governments, only 12 of which belong to Annex V signatory nations. The common occurrence of foreign debris on beaches around the world makes a solid case for the need to persuade more countries to ratify Annex V of the MARPOL Treaty. Otherwise, countries with strict legislation against the disposal of plastics at sea will continue to bear the brunt of legal plastic waste dumping against which they have no recourse for action.

Persuading more countries to ratify MARPOL Annex V is only part of the solution. Nations signatory to the treaty must also dramatically step up enforcement and education efforts to ensure full compliance by their vessels. At the same time, ports around the world must do their part to expedite compliance with Annex V by installing and maintaining adequate and affordable waste reception facilities for all vessels that use their docks.

As the International Coastal Cleanup continues to enlist the cooperation of a growing number of countries, the elimination of harmful debris from our oceans and other waterways becomes a more realizable goal. The success of the cleanup indicates that people worldwide are concerned about the problem of marine debris and the dangers it poses to our wildlife and to humans. More importantly, they are doing something about it. We may have a long way to go before stopping the tide of trash permanently, but the determination demonstrated by the increasing number of nations and volunteers in the International Coastal Cleanup gives us reason to be optimistic.

*For the purpose of this report, the United States and its territories will be counted as one nation.

** The International Convention for the Prevention of Pollution from Ships, known as the MARPOL Treaty, (MARine POLLution) regulates pollution from ships. Annex V of this treaty specifically prohibits the dumping of plastics.

1992 INTERNATIONAL COASTAL CLEANUP - RESULTS

Overview of Results

The 1992 International Coastal Cleanup set new records in terms of the total number of volunteers and miles cleaned. More than 160,000 citizens representing 33 countries and territories (not including U.S. territories) on four continents organized cleanups and data collection efforts as part of the global event, covering well over 5,000 miles. It appears that participating in the International Coastal Cleanup is becoming an international pasttime! Despite a few problems stemming from rain-drenched data cards and packages lost in the mail, the cleanup data provided vital information about the global problem of marine debris.

Of the 33 countries and territories that were part of the 1992 International Coastal Cleanup, 16 are signatory to MARPOL Annex V. While some nations will use the information collected to study the effectiveness of their governments' individual laws that implement Annex V, others should use the data to persuade their government to adopt the international treaty banning the dumping of plastics at sea. All participating countries, though, can use this report to identify sources of trash found on their beaches and raise public awareness about the problem of marine debris.



Volunteers in Honk Kong haul in a big fishing net.

Table 1. Country by Country Breakdown of 1992 International Coastal Cleanup Results.

COUNTRY	NUMBER OF VOLUNTEERS	POUNDS COLLECTED	MILES OF BEACHED CLEANED
ANTIGUA & BARBUDA	167	3,900	5
ARGENTINA	116	2,116	5
AUSTRALIA	187	502	9
BAHAMAS	153	2,360	12
BARBADOS	15	160	.5
BELIZE	600	6,000	18
BRITISH VIRGIN ISLANDS	56	600	3
CANADA			
NEW BRUNSWICK	799	2,235	38
NOVA SCOTIA	1,154	9,738	43
CUBA	54	3,300	2
CYPRUS	118	4,800	2
DENMARK	89	600	1
DOMINICAN REP.	262	8,713	1
ENGLAND	35	2,100	5
FINLAND	75	600	1
GRENADA	26	640	1
GREECE	5,451	106,040	159
HONG KONG	264	3,850	1
INDONESIA	18	80	.5
ISRAEL	1,350	60,000	15
JAPAN	7,000	132,276	150
KOREA	837	14,450	7
MALAYSIA	20	109	.5
MEXICO			
BAJA CA	51	4,415	1
CAMPECHE	368	4,632	27
COLIMA	72	485	7
Q.ROO	134	2,000	5
TAMAULIPAS	60	10,000	1
NETHERLANDS ANTILLES			
SABA	26	355	1
ST. MAARTEN	19	770	1
NEW ZEALAND	480	4,900	9
NORWAY	135	12,000	1
NIGERIA	10	60	1
PAKISTAN	170	1,000	3
PANAMA	270	5,120	21
SINGAPORE	1,164	7,480	14
ST.KITTS/NEVIS	122	1,860	7
UNITED STATES	132,705	2,788,248	4,453
VENEZUELA	6,038	364,112	102
INTERNATIONAL TOTAL	160,560	3,572,606	5,133.5

Figure 1. Data Card Used by 1992 International Coastal Cleanup Volunteers. (front)

BEACH CLEANUP DATA CARD

Thank you for completing this data card. Answer the questions and return to your area coordinator or to the address at the bottom of this card. This information will be used in the Center for Marine Conservation's National Marine Debris Data Base and Report to help develop solutions to stopping marine debris.

Name _____ Affiliation _____
 Address _____ Occupation _____ Phone (_____) _____
 City _____ State _____ Zip _____ M ____ F ____ Age: _____
 Today's Date: Month: _____ Day _____ Year _____ Name of Coordinator _____
 Location of beach cleaned _____ Nearest city _____
 How did you hear about the cleanup? _____

SAFETY TIPS

1. Do not go near any large drums.
2. Be careful with sharp objects.
3. Wear gloves.
4. Stay out of the dune areas.
5. Watch out for snakes.
6. Don't lift anything too heavy.

WE WANT YOU TO BE SAFE

Number of people working together on this data card _____ Estimated distance of beach cleaned _____ Number of bags filled _____

SOURCES OF DEBRIS. Please list all items with foreign labels (such as plastic bleach bottles from Mexico) or other markings that indicate the item's origin (such as cruise line names, military identification or debris with names and/or address of shipping/freighting or fishing companies, or oil/gas exploration activities).

SOURCE	ITEM FOUND
Example: ABC Shipping Company	plastic strapping band


STRANDED AND/OR ENTANGLED ANIMALS (Please describe type of animal and type of entangling debris. Be as specific as you can.)

What was the most peculiar item you collected? _____

Comments _____


Thank you!

**PLEASE RETURN THIS CARD TO
 YOUR AREA COORDINATOR
 OR MAIL IT TO:
 Center for Marine Conservation
 1725 DeSales Street, NW
 Washington, DC 20036
 A Membership Organization**




**Center for
Marine
Conservation**


Formerly Center for Environmental Education, Est. 1972



EPA
United States
Environmental Protection
Agency



NOAA
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
U.S. DEPARTMENT OF COMMERCE



UNITED STATES COAST GUARD
1790


 Printed on recycled paper.
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Figure 1. Data Card Used by 1992 International Coastal Cleanup Volunteers. (back)

ITEMS COLLECTED

You may find it helpful to work with a buddy as you clean the beach, one of you picking up trash and the other taking notes. An easy way to keep track of the items you find is by making tick marks. The box is for total items, see sample below.

Example: egg cartons ~~###~~ ~~###~~ ~~###~~ | 16 cups ~~###~~ ~~###~~ ~~###~~ ~~###~~ // 22

PLASTIC

	Total number of items		Total number of items
bags:		fishing nets	
food bags/wrappers	<input type="checkbox"/>	hard hats	<input type="checkbox"/>
trash	<input type="checkbox"/>	light sticks	<input type="checkbox"/>
salt	<input type="checkbox"/>	pieces	<input type="checkbox"/>
other bags	<input type="checkbox"/>	pipe thread protector	<input type="checkbox"/>
bottles:		rope	<input type="checkbox"/>
beverage, soda	<input type="checkbox"/>	sheeting	
bleach, cleaner	<input type="checkbox"/>	longer than 2 feet	<input type="checkbox"/>
milk/water gal. jugs	<input type="checkbox"/>	2 feet or shorter	<input type="checkbox"/>
oil, lube	<input type="checkbox"/>	6-pack holders	<input type="checkbox"/>
other bottles	<input type="checkbox"/>	strapping bands	<input type="checkbox"/>
buckets	<input type="checkbox"/>	straws	<input type="checkbox"/>
caps, lids	<input type="checkbox"/>	syringes	<input type="checkbox"/>
cigarette filters	<input type="checkbox"/>	tampon applicators	<input type="checkbox"/>
cigarette lighters	<input type="checkbox"/>	toys	<input type="checkbox"/>
cups, utensils	<input type="checkbox"/>	vegetable sacks	<input type="checkbox"/>
diapers	<input type="checkbox"/>	"write protection" rings	<input type="checkbox"/>
fishing line	<input type="checkbox"/>	other plastic (specify)	<input type="checkbox"/>
fishing lures, floats	<input type="checkbox"/>		

STYROFOAM®
(or other plastic foam)

buoys	<input type="checkbox"/>	packaging material	<input type="checkbox"/>
cups	<input type="checkbox"/>	pieces	<input type="checkbox"/>
egg cartons	<input type="checkbox"/>	plates	<input type="checkbox"/>
fast food containers	<input type="checkbox"/>	other Styrofoam® (specify)	<input type="checkbox"/>
meat trays	<input type="checkbox"/>		

FOLD ALONG THIS LINE

GLASS

bottles/jars:		fluorescent light tubes	<input type="checkbox"/>
beverage bottles	<input type="checkbox"/>	light bulbs	<input type="checkbox"/>
food jars	<input type="checkbox"/>	pieces	<input type="checkbox"/>
other bottles/jars	<input type="checkbox"/>	other glass (specify)	<input type="checkbox"/>

RUBBER

balloons	<input type="checkbox"/>	tires	<input type="checkbox"/>
condoms	<input type="checkbox"/>	other rubber (specify)	<input type="checkbox"/>
gloves	<input type="checkbox"/>		

METAL

bottle caps	<input type="checkbox"/>	55 gallon drums:	
cans:		rusty	<input type="checkbox"/>
aerosol	<input type="checkbox"/>	new	<input type="checkbox"/>
beverage	<input type="checkbox"/>	pieces	<input type="checkbox"/>
food	<input type="checkbox"/>	pull tabs	<input type="checkbox"/>
other	<input type="checkbox"/>	wire	<input type="checkbox"/>
crab/fish traps	<input type="checkbox"/>	other metal (specify)	<input type="checkbox"/>

PAPER

bags	<input type="checkbox"/>	newspapers/magazines	<input type="checkbox"/>
cardboard	<input type="checkbox"/>	pieces	<input type="checkbox"/>
cartons	<input type="checkbox"/>	plates	<input type="checkbox"/>
cups	<input type="checkbox"/>	other paper (specify)	<input type="checkbox"/>

WOOD
(leave driftwood on the beach)

crab/lobster traps	<input type="checkbox"/>	pallets	<input type="checkbox"/>
crates	<input type="checkbox"/>	other wood (specify)	<input type="checkbox"/>
lumber pieces	<input type="checkbox"/>		

CLOTH

clothing/pieces

Remember to turn the card over and fill out your name and address and to record sources and entangled wildlife!

Figure 2. Data Card Used by 1992 International Coastal Cleanup Volunteers -- Japanese. (front)

ITEMS COLLECTED

You may find it helpful to work with a buddy as you clean the beach, one of you picking up trash and the other taking notes. An easy way to keep track of the items you find is by making tick marks. The box is for total items; see sample below.

Example: (例) 正正正一 TOTAL 16
 egg cartons (タマゴの容器) cups (カップ) 正正正正一 TOTAL 22

PLASTIC (プラスチック・ビニール)

	Total number of items		Total number of items
bags (袋)		fishing nets (網)	
food bags/wrappers (食品用包装用)		hard hats (ビニール帽)	
trash (ゴミ袋)		light sticks (網に付いてはいる小さい棒)	
salt (塩袋)		pieces (破片)	
other bags (その他ビニール袋)		pipe thread protector	
bottles (アラボトル)		rope (ロープ)	
beverage, soda (ソフトドリンク)		sheeting	
bleach, cleaner (漂白剤・クリーナー)		longer than 2 feet (60cm以上)	
milk/water gal jugs (牛乳・水類)		2 feet or shorter (60cm以下)	
oil, lube (油類)		6-pack holders (缶詰とあるビニール製の輪)	
other bottles (その他のアラボトル)		strapping bands (ビニールのバンド)	
buckets (バケツ)		straws (ストロー)	
caps, lids (ふた)		syringes (注射器 針)	
cigarette filters (タバコのフィルター)		tampon applicators (タンポンのアプリケーター)	
cigarette lighters (ライター)		toys (玩具)	
cups, utensils (カップ・食品類)		vegetable sacks (野菜包装用)	
diapers (紙おむつ)		"write protection" rings (破断保護用リング)	
fishing line (釣り糸)		other plastic (specify) (その他具体的に)	
fishing lures, floats (釣りのルアー・浮球)			

STYROFOAM® (発泡スチロール)

(for other plastic foam)

buoys (ブイ)		packaging material (その他の容器)	
cups (カップ)		pieces (カケラ・破片)	
egg cartons (タマゴの容器)		plates (皿)	
fast food containers (ファストフードの容器)		other Styrofoam® (specify) (その他具体的に)	
meat trays (食品トレイ)			

FOLD ALONG THIS LINE

GLASS (ガラス)

bottles/jars (ビン)		fluorescent light tubes (蛍光灯)	
beverage bottles (飲料用)		light bulbs (電球)	
food jars (食品用)		pieces (カケラ・破片)	
other bottles/jars (その他のビン容器)		other glass (specify) (その他具体的に)	

RUBBER (ゴム)

balloons (風船)		tires (タイヤ)	
condoms (コンドーム)		other rubber (specify) (その他具体的に)	
gloves (ゴム手袋)			

METAL (金属)

bottle caps (ビンのふた)		55 gallon drums: (廃棄物の入ったドラム缶)	
cans (缶)		rusty (さびついているもの)	
aerosol (スプレー缶)		new (新しいもの)	
beverage (飲料缶)		pieces (破片)	
food (食品缶)		pull tabs (プルタブ)	
other (その他)		wire (ワイヤー)	
crab/fish traps (釣り具)		other metal (specify) (その他具体的に)	

PAPER (紙)

bags (紙袋)		newspapers/magazines (新聞・雑誌)	
cardboard (紙板紙)		pieces (紙切れ)	
cartons (タマゴの容器)		plates (紙皿)	
cups (紙カップ)		other paper (specify) (その他具体的に)	

WOOD (木)

(leave driftwood on the beach)

crab/lobster traps (ロブスター捕りのおなご)		pallets (積荷台用)	
crates (木箱)		other wood (specify) (その他具体的に)	
lumber pieces (枝木)			

CLOTH (布)

clothing/pieces (服・その他)

Remember to turn the card over and fill out your name and address and to record sources and entangled wildlife!

Figure 2. Data Card Used by 1992 International Coastal Cleanup Volunteers -- Japanese. (back)

海岸クリーンアップデータカード
BEACH CLEANUP DATA CARD

Thank you for completing this data card. Answer the questions and return to your area coordinator or to the address at the bottom of this card. This information will be used in the Center for Marine Conservation's National Marine Debris Data Base and Report to help develop solutions to stopping marine debris.

Name (氏名) _____ Affiliation (所属団体) _____
 Address (住所) _____ Phone (電話番号) _____
 〒 _____ 職業 _____ M(男) F(女) Age(年齢) _____
 Today's Date: Month: _____ 月 Day: _____ 日 Year: _____ 年 Name of Coordinator _____
 清掃した海岸(町)名 _____ 清掃した海岸の距離 _____ Nearest city _____
 このクリーンアップをどのようにして知りましたか _____

SAFETY TIPS

1. Do not go near any large drums.
2. Be careful with sharp objects.
3. Wear gloves.
4. Stay out of the dune areas.
5. Watch out for snakes.
6. Don't lift anything too heavy.

WE WANT YOU TO BE SAFE

安全の心得
 1. 大きなドラム缶に近づかないこと。
 2. 鋭利なものに気をつけること。
 3. 手袋をかける。
 4. 砂丘に入らない。
 5. ヘビに気をつけること。
 6. 重すぎるものを持ち上げない。
 安全にクリーンアップをして下さい。

このデータカードに関わった人数 _____ 清掃した海岸(川)の長さの距離 _____ 回収したゴミの袋の数 _____
 Number of people working together on this data card _____ Estimated distance of beach cleaned _____ Number of bags filled _____


SOURCE (会社・製造者名)	ITEM FOUND (種類)
Example: ABC Shipping Company (例) ABC 船会社	Plastic strapping band プラスチック製ストラップ

SOURCES OF DEBRIS. Please list all items with foreign labels (such as plastic bleach bottles from Mexico) or other markings that indicate the item's origin (such as cruise line names, military identification or debris with names and/or address of shipping/freighting or fishing companies, or oil/gas exploration activities). 漂流物の源 — 外国から流れ着いたと思われるものは全て下のようリストアップして下さい。


STRANDED AND/OR ENTANGLED ANIMALS (Please describe type of animal and type of entangling debris. Be as specific as you can.)
 ゴミや漂着物にからまっていた動物 (動物名とからまっていたものをできるだけ正確に書いてください。)

What was the most peculiar item you collected?
 あなたが集めたものの中で一番変わった(特殊な)物は何?
 Comments _____
 集めた感想 _____


Thank you! どうもありがとう! ☺☺



The Foundation for Earth Environment



JAPAN





Formerly Center for Environmental Education, Est. 1972

このカードは下記へ
送送してください。
TIZI
足立区南花畑2-7-6
-403 菊地由美
クリーンアップ隊
*データはなるべく各地区ごとに集計してから送ってください。

**PLEASE RETURN THIS CARD TO
YOUR AREA COORDINATOR
OR MAIL IT TO:**

Center for Marine Conservation
1725 DeSales Street, NW
Washington, DC 20036
A Membership Organization

Printed on recycled paper. © 1990 Center for Marine Conservation

日本版データカード作成協力 / (財)地球環境 財団 / モンキー・ベイ自然保護基金 翻訳: 菊地由美, 根岸 綱良

Figure 3. Data Card Used by 1992 International Coastal Cleanup Volunteers -- Hebrew. (front)

מבצע ניקוי חופים – טופס נתונים

אנו מודים לך על השתתפותך במבצע ניקוי החופים.
 כדי שנוכל להפיק את מירב התועלת מהמבצע, אנו מבקשים ממך למלא טופס זה תוך כדי איסוף האשפה. המידע שיאסף מטפסים אלה יסייע לנו בחיפוש אחר הדרך הטובה למניעת זיהום החוף באשפה. אנא, ענה על השאלות ובצע ספירת פריטי האשפה בהתאם להנחיות. כדאי לבצע את הניקוי בקבוצות של שניים או שלושה כאשר אחד עורך את הרישום והשאר ממלאים את השקית בפריטי אשפה.

שם _____ גיל _____ עובד/לומד 1- _____

כתובת _____ ישוב _____ רחוב _____ מס' _____ מיקוד _____ טלפון _____

הנחיות בטיחות

1. הישמר מפריטים חדים
2. השתמש בכפפות
3. אל תרים פריטים כבדים
4. הישמר מבעלי חיים ארסיים
5. נעל נעליים וחבוש כובע

תאריך הניקוי _____ שם האחראי לניקוי _____

שם החוף _____ הישוב הקרוב לחוף _____

מספר האנשים שהשתתפו במילוי טופס זה _____ אורך החוף שנוקה _____

מספר שקיות אשפה שמולאו _____

אם נתקלת בבעלי חיים (חיים או מתים) שהסתובבו בפריטי אשפה אנא ציין אילו בעלי חיים ובאיזה סוג אשפה הסתובבו

מהו הפריט המזוהר ביותר שמצאת ? _____


הערות _____

אנו מודים לך על שיתוף הפעולה !


אנא מסור את הטופס לאחראי לניקוי או שלח אותו לפי הכתובת:

אגף ים וחופים
 המשרד לאיכות הסביבה
 ת.ד. 6234
 ירושלים 91061

ביתד - נשמור על חופינו נקיים !



חקר ימים ואגמים



המשרד לאיכות הסביבה

Figure 3. Data Card Used by 1992 International Coastal Cleanup Volunteers -- Hebrew. (back)

פריטי פסולת שנאספו בחוף

הדרך הנחה לרישום תפריטים היא ע"י ציון קו בעת איסוף פריט ליד שמו בטופס. רישום הקווים בתמישיות לפי הדוגמא למטה יקל על הסיכום.

דוגמא: בקבוקי משקאות 19 1111 1111 1111

פלסטיק

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קלקר (או חומר מוקצף אחר)

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קפל לאורך קו זה

זכוכית

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מתכת

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נייר

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עץ וברד (אסוף רק עץ מעובד)

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נא המוך הדף ומלא כל הפריטים בצידו השני. תודה!

Figure 4. Data Card Used by 1992 International Coastal Cleanup Volunteers -- Spanish (front)

ARTÍCULOS RECOGIDOS

Al limpiar la playa tal vez le será útil trabajar con un compañero, así uno recoge los desperdicios y el otro toma apuntes. Una manera fácil de llevar la cuenta de los artículos que encuentren es de marcarlos con una señal. El recuadro es para el número total de artículos recogidos; vea la muestra abajo.

Exemplo: cartones para huevo 11 **TOTAL** 76 copas 11 **TOTAL** 22

DE PLÁSTICO

	Número total de artículos		Número total de artículos
anuelos, floradores	<input type="text"/>	copas, utensilios	<input type="text"/>
aplicadores de "tampones"	<input type="text"/>	copas, varillas luminias	<input type="text"/>
aros asideros para sujetar bebidas enlatadas	<input type="text"/>	corcholatas, tapas	<input type="text"/>
arillos protecciones	<input type="text"/>	cubetas	<input type="text"/>
bolsas:		cuerda	<input type="text"/>
basura	<input type="text"/>	cuerda de pescar	<input type="text"/>
comida/envolturas	<input type="text"/>	encendedores	<input type="text"/>
sal	<input type="text"/>	filtros de cigarros	<input type="text"/>
otro tipo	<input type="text"/>	flejes	<input type="text"/>
botellas:		jeringas	<input type="text"/>
aceite, lubricante	<input type="text"/>	juguetes	<input type="text"/>
bebidas, gaseosas	<input type="text"/>	pañales	<input type="text"/>
cloro ó limpiadores	<input type="text"/>	pedazos	<input type="text"/>
leche, para agua	<input type="text"/>	popotes	<input type="text"/>
otras botellas	<input type="text"/>	redes para pescar	<input type="text"/>
chapa de plástico:		sacos/costales de red	<input type="text"/>
más de 2 pies	<input type="text"/>	sombreros duros	<input type="text"/>
2 pies or menos	<input type="text"/>	otros plastico (especifique)	<input type="text"/>
cintas de goma (gomas)	<input type="text"/>		

HULESPUMA
(u otro tipo de plástico espuma)

boyas	<input type="text"/>	materiales de empaque	<input type="text"/>
cartones para huevos	<input type="text"/>	pedazos	<input type="text"/>
charolas para carne	<input type="text"/>	platos	<input type="text"/>
copas	<input type="text"/>	otro tipo (especifique)	<input type="text"/>
evases de comidas llevar	<input type="text"/>		

DOBLESE AQUI

VIDRIO

botellas, frascos:		focos	<input type="text"/>
bebidas	<input type="text"/>	pedazos	<input type="text"/>
jarras de comida	<input type="text"/>	tubos de luz fluorescente	<input type="text"/>
otro botellas, frascos	<input type="text"/>	otro tipo (especifique)	<input type="text"/>

HULE O GOMA

condones	<input type="text"/>	llantas	<input type="text"/>
globos	<input type="text"/>	otro tipo (especifique)	<input type="text"/>
guantes	<input type="text"/>		

METAL

alambre	<input type="text"/>	tambos de 55 galones	<input type="text"/>
latas:		nuevos	<input type="text"/>
aerosol	<input type="text"/>	oxidados	<input type="text"/>
bebidas	<input type="text"/>	tapas de botellas	<input type="text"/>
comidas	<input type="text"/>	tapas de latas	<input type="text"/>
otro tipo	<input type="text"/>	trampas para cangrejos/peces	<input type="text"/>
pedazos	<input type="text"/>	otro tipo (especifique)	<input type="text"/>

PAPEL

bolsas	<input type="text"/>	pedazos	<input type="text"/>
cajas de carton	<input type="text"/>	periódico, revistas	<input type="text"/>
cartones	<input type="text"/>	platos	<input type="text"/>
cupas	<input type="text"/>	otro tipo (especifique)	<input type="text"/>

MADERA
(deje la madera flotante en la playa)

cajas	<input type="text"/>	trampas para cangrejo y langosta	<input type="text"/>
pedazos	<input type="text"/>	otro tipo (especifique)	<input type="text"/>
tablas o paletas	<input type="text"/>		

TELA (TRAPO)

ropa/pedazos

Figure 4. Data Card Used by 1992 International Coastal Cleanup Volunteers -- Spanish. (back)

TARJETA DE DATOS PARA LA LIMPIEZA DE PLAYAS

Gracias por rellenar esta tarjeta de datos. Conteste las preguntas y devuélvala al coordinador de su área o envíela a la dirección que se encuentra al fin de esta tarjeta. Esta información se utilizará en la Sede Nacional de Datos sobre Desperdicios Marinos del Centro de Educación Ambiental con objeto de ayudar a desarrollar soluciones para acabar con los desperdicios marinos.

Nombre _____ Afiliación _____
 Dirección _____ Ocupación _____ Teléfono _____
 Ciudad _____ Estado _____ Zona Postal _____ M _____ F _____ Edad: _____
 La fecha de hoy: Mes _____ Día _____ Año _____ Nombre del Coordinador _____
 Ubicación de la playa donde se hizo la limpieza _____ Ciudad más próxima _____
 ¿Cómo se enteró del proyecto de la limpieza de playas? _____
 Número de personas trabajando juntas en esta tarjeta de datos _____
 Aproximada distancia de la playa aseada _____
 Número de bolsas que se llenaron _____

CONSEJOS DE PRECAUCIÓN

1. No se acerque a ningún tambor de tamaño grande.
2. Tenga cuidado con objetos afilados.
3. Use guantes.
4. Manténgase fuera de áreas donde haya dunas.
5. Tenga cuidado con las serpientes.
6. No levante nada demasiado pesado.

QUEREMOS QUE USTED ESTÉ A SALVO

IDENTIFICACIÓN DE DESPERDICIOS. Por favor hacer una lista de todos los productos con etiquetas extranjeras é marcas de identificación que indiquen lugar de origen (tales como Líneas de Cruceros, Barcos Mercantes o direcciones de Compañías de Carga, Compañías de Aceite, Compañías de Pecas, etc.).

ORIGEN	ARTÍCULO RECOGIDO
Exemplo: ABC Carga Compañía	Botella de plástico

ANIMALES DESAMPARADOS Y/O ENREDADOS (Por favor describa el tipo del animal y el tipo de desperdicio que contribuyó al enredo.)

¿Qué fue el artículo más raro que se recogió?

Comentarios _____

POR FAVOR DEVUELVAN ESTA TARJETA AL COORDINADOR DE SU ÁREA O ENVÍELA A: **Center for Marine Conservation**

¡Gracias!

1725 DeSales Street, NW
 Washington, DC 20036

A Membership Organization



Center for
 Marine
 Conservation



Formerly Center for Environmental Education. Est. 1972



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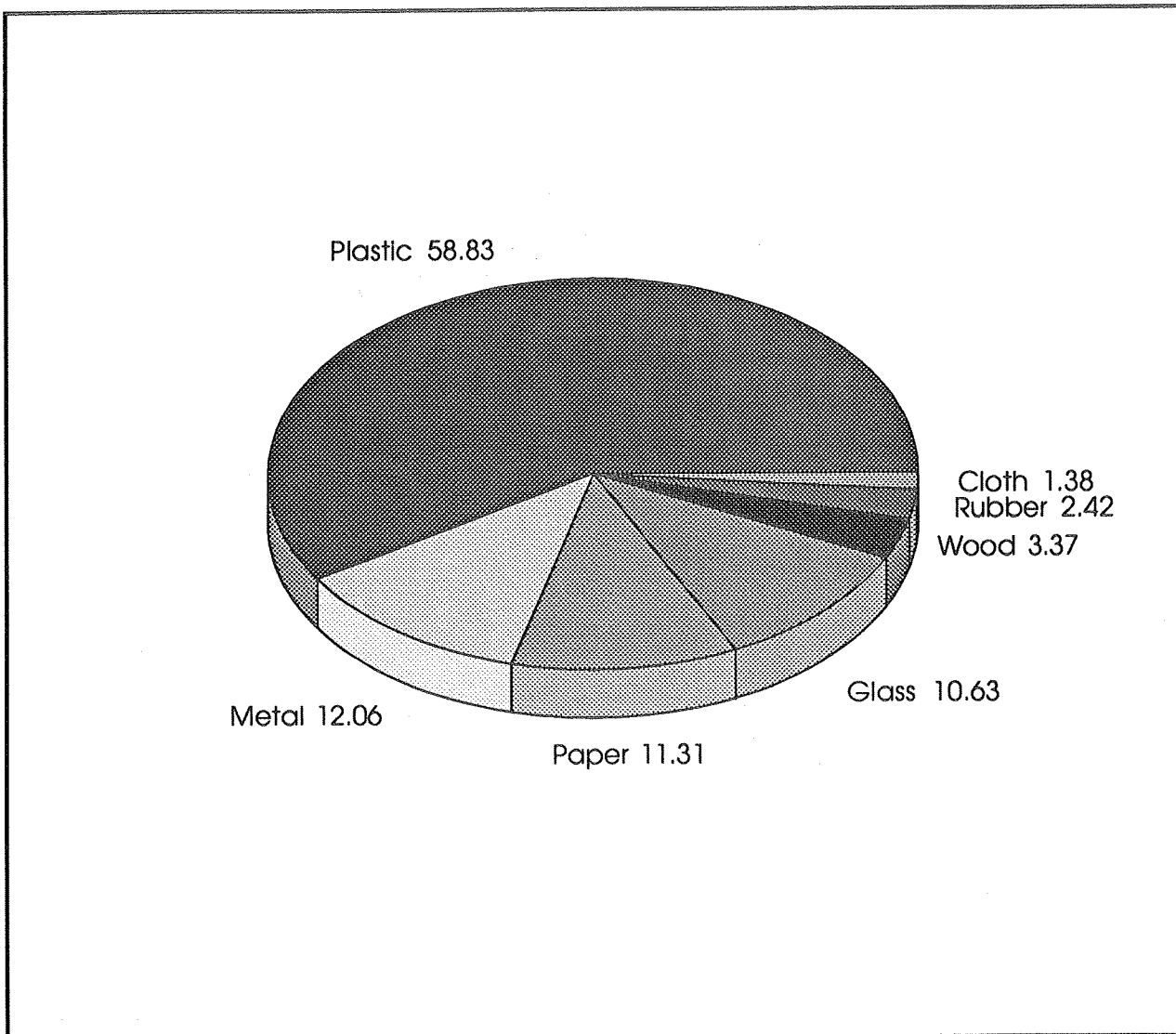
© 1991 Center for Marine Conservation
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What is the Most Prevalent Type of Debris on the World's Beaches?

Using specialized data cards developed by the Center for Marine Conservation, volunteers recorded 5,328,113 individual debris items during the 1992 International Coastal Cleanup (Figure 6). The Beach Cleanup Data Card (Figure 2, 3, & 4) allows volunteers to itemize the trash into eight composition categories: plastic, foamed plastic, glass, rubber, metal, paper, wood, and cloth. The majority of individual cleanup participants continues to come from the United States, therefore it is suggested that the overall percentages are largely reflective of what was found in the United States. For each country, a more accurate description of the composition of debris can be found in the country sections

Plastics (including foamed plastic) accounted for 58.83% of the international debris totals (Figure 5). The percentage of plastics in Argentina, Bahamas, Barbados, Canada, Dominican Republic, England, Grenada, Indonesia, Netherlands Antilles, Singapore, and Tasmania exceeded the international figure, while Denmark, Finland, Korea, and Norway had plastics percentages significantly below the international average (Figure 7). All evidence still points to plastics as the leading and most dangerous contributor to the marine debris problem worldwide.

Figure 5. Percent Composition of Debris Reported During 1992 International Coastal Cleanups



**Figure 6. Total Number of Debris Items Collected
During 1992 International Coastal Cleanups**

PLASTIC		GLASS	
Bags:		Bottles:	
food	257,322	beverage	171,768
salt	9,853	food	19,773
trash	48,088	other	26,043
other	90,291	Florescent light tubes	3,023
Bottles:		Light Bulbs	8,529
beverage	113,375	Pieces	219,112
bleach	20,896	Other	23,259
milk/ water	33,131		
oil/lube	23,183	RUBBER	
other	47,434	Balloons	33,433
Buckets	9,571	Condoms	6,374
Caps/lids	205,177	Gloves	13,154
Cigarette butts	892,929	Tires	10,734
Cigarette lighters	36,638	Other	43,752
Cups/utensils	101,273		
Diapers	11,567	METAL	
Fishing line	42,137	Bottle caps	105,333
Fishing nets	11,483	Cans:	
Floats/lures	14,520	aerosol	15,574
Hard hats	1,515	beverage	202,377
Light sticks	18,345	food	18,421
Pieces	385,511	other	11,749
Pipe thread protector	7,806	Crab/lobster traps	2,791
Rope	102,656	55 gallon drums:	
Sheeting:		rusty	3,198
longer than 2 feet	6,757	new	509
2 feet or shorter	17,015	Pieces	48,974
Six-pack holders	30,156	Pull tabs	54,250
Strapping bands	30,104	Wire	27,671
Straws	171,810	Other	44,173
Syringes	4,899		
Tampon applicators	16,584	PAPER	
Toys	22,814	Bags	49,426
Vegetable sacks	7,950	Cardboard	36,426
Write protection rings	8,885	Carton	29,279
Other	119,514	Cups	45,808
		Newspapers	27,999
STYROFOAM		Pieces	238,164
Buoys	13,969	Plates	16,115
Cups	119,677	Other	58,224
Egg cartons	7,110		
Fast food containers	30,038	WOOD	
Meat trays	16,538	Crab/lobster traps	2,232
Packaging	40,189	Crates	2,804
Pieces	298,400	Lumber	98,863
Plates	22,625	Pallets	4,795
Other	26,525	Other	40,570
		CLOTH (clothing pieces)	61,327
		TOTAL: 5,328,113	

Figure 7. Plastic Debris Reported from 1992 International Coastal Cleanups

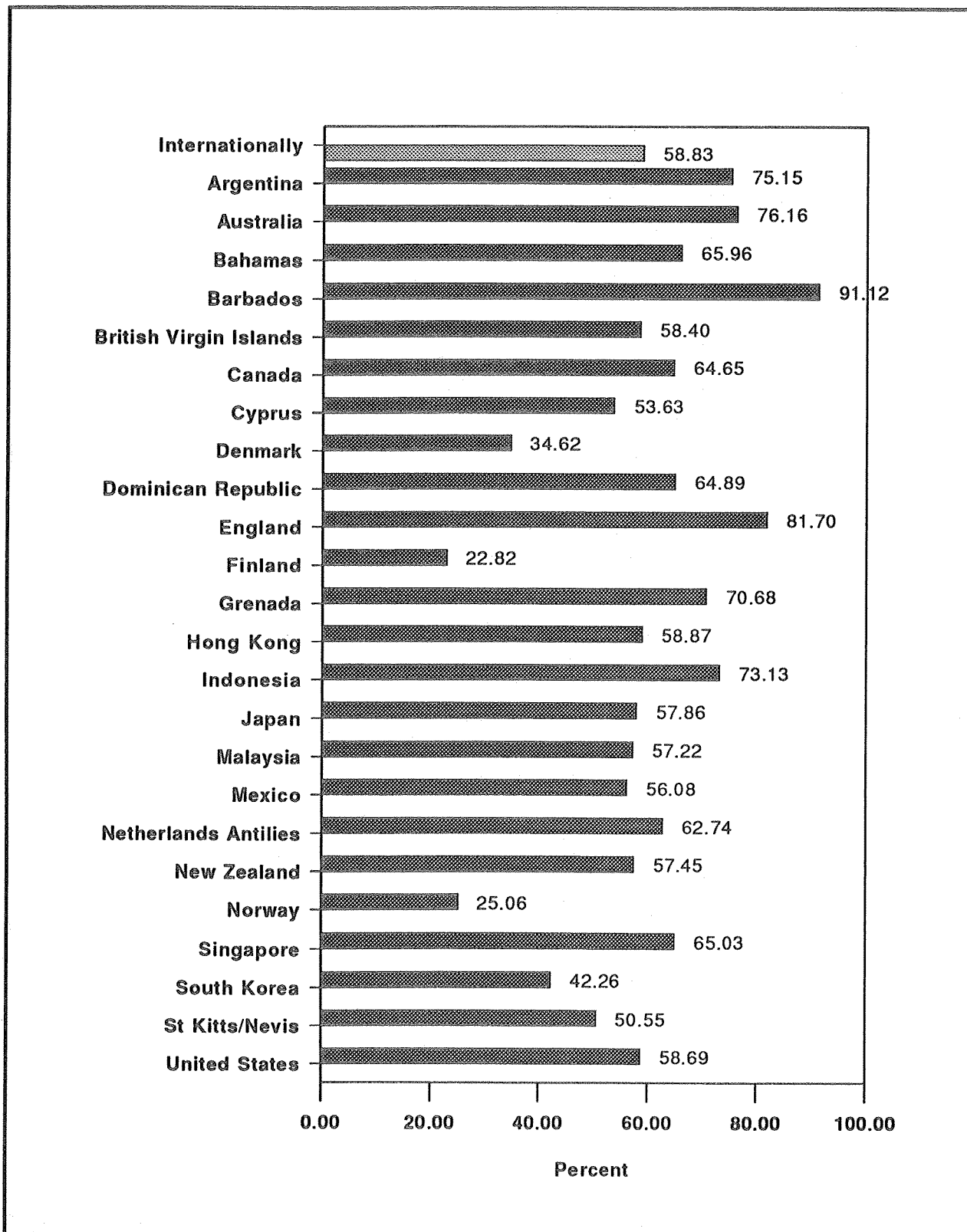
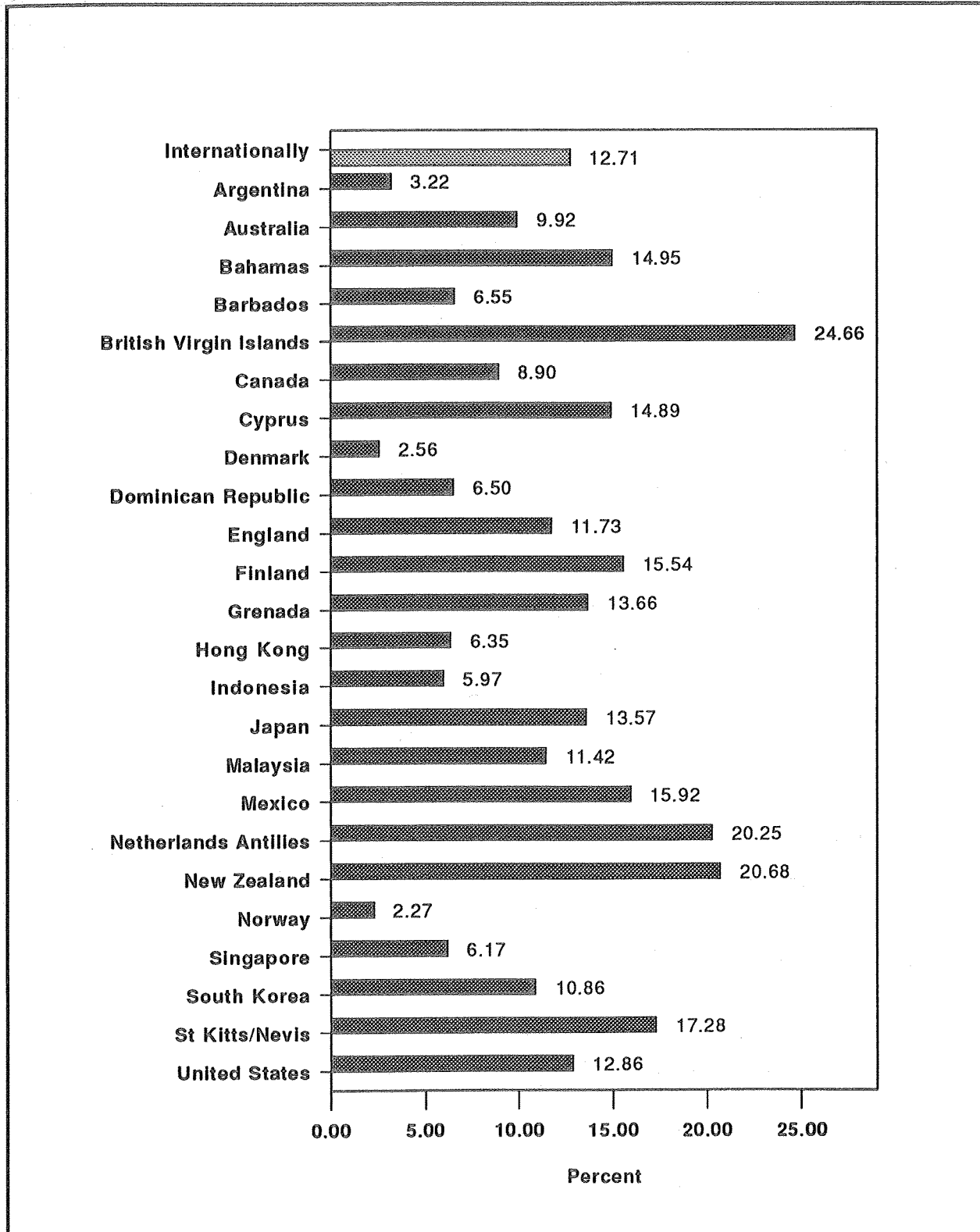


Figure 8. Bottles and Associated Goods Reported from 1992 International Coastal Cleanups



The International Dirty Dozen

The International "Dirty Dozen," or the twelve most common items reported during the Coastal Cleanup worldwide, accounted for over 61% of the total debris collected. Cigarette filters, once again, far out numbered any other item accounting for 16.76% of the total trash items. By focusing on the elimination of the specific debris types indicated in the Dirty Dozen, the presence of trash in our coastal and other aquatic environments could be reduced by nearly two thirds. In order to assess the problem areas specific to individual countries, it is necessary to study the data reports of each country in addition to the international overview.

<u>Rank</u>	<u>Debris Item</u>	<u>Total Number Reported</u>	<u>Percent of Total Debris Collected</u>
1.	Cigarette butts	892,929	16.76
2.	Plastic pieces	385,511	7.24
3.	Foamed plastic pieces	298,400	5.60
4.	Plastic food bags	257,322	4.83
5.	Paper pieces	238,164	4.47
6.	Glass pieces	219,112	4.11
7.	Plastic caps and lids	205,177	3.85
8.	Metal beverage cans	202,377	3.80
9.	Plastic straws	171,810	3.22
10.	Glass beverage bottles	171,768	3.22
11.	Foamed plastic cups	119,677	2.25
12.	Plastic beverage bottles	113,375	2.13
	TOTAL	3,275,622	61.48

Most of the above items are easily linked to individuals who visit the beach and leave their trash behind. But there is also a strong likelihood that much of this trash made its way to coastal areas via streams, rivers, and overflow from waterside streets and communities that carry water *and* debris to the ocean each time it rains. Additional items commonly reported by volunteers include:

13.	Plastic beverage bottles	113,375
14.	Metal bottle caps	105,333
15.	Rope	102,656
16.	Cups/utensils	101,273
17.	Lumber	98,863
18.	Miscellaneous plastic trash bags	90,291
19.	Clothing	61,327
20.	Metal Pull tabs	54,250

Bottles and Associated Goods

Data from the 1992 International Coastal Cleanup put the international percentage of bottles and associated goods at 12.71% (Figure 8). Items counted as bottles and associated goods include plastic and glass beverage bottles, metal beverage cans, metal bottle caps and pull tabs, and plastic six-pack carriers. The countries with higher than average percentages in this category are Bahamas, British Virgin Islands, Cyprus, Finland, Grenada, Japan, Mexico, Netherlands Antilles, New Zealand, St. Kitts/Nevis, and the United States. Countries with relatively low percentages were Argentina, Barbados, Canada, Denmark, Dominican Republic, England, Hong Kong, Indonesia, Korea, Malaysia, Norway, Singapore, and Tasmania.

Sources of International Debris

The sources of marine debris fall into one of two major categories, ocean-based or land-based (Table 1). Ocean-based sources include all sea going vessels, including oil and gas platforms. Land-based debris includes trash that makes its way to coastal areas by means of storm drainage systems, streams, rivers or direct outflow from waterfront streets and communities. Table 1 lists the numbers and percentages of indicator items included in each category for the 1992 International Coastal Cleanup.



Volunteers record debris so it can be traced to its source.

Table 1. Categories and Quantities of Indicator Items Reported from 1992 International Coastal Cleanup

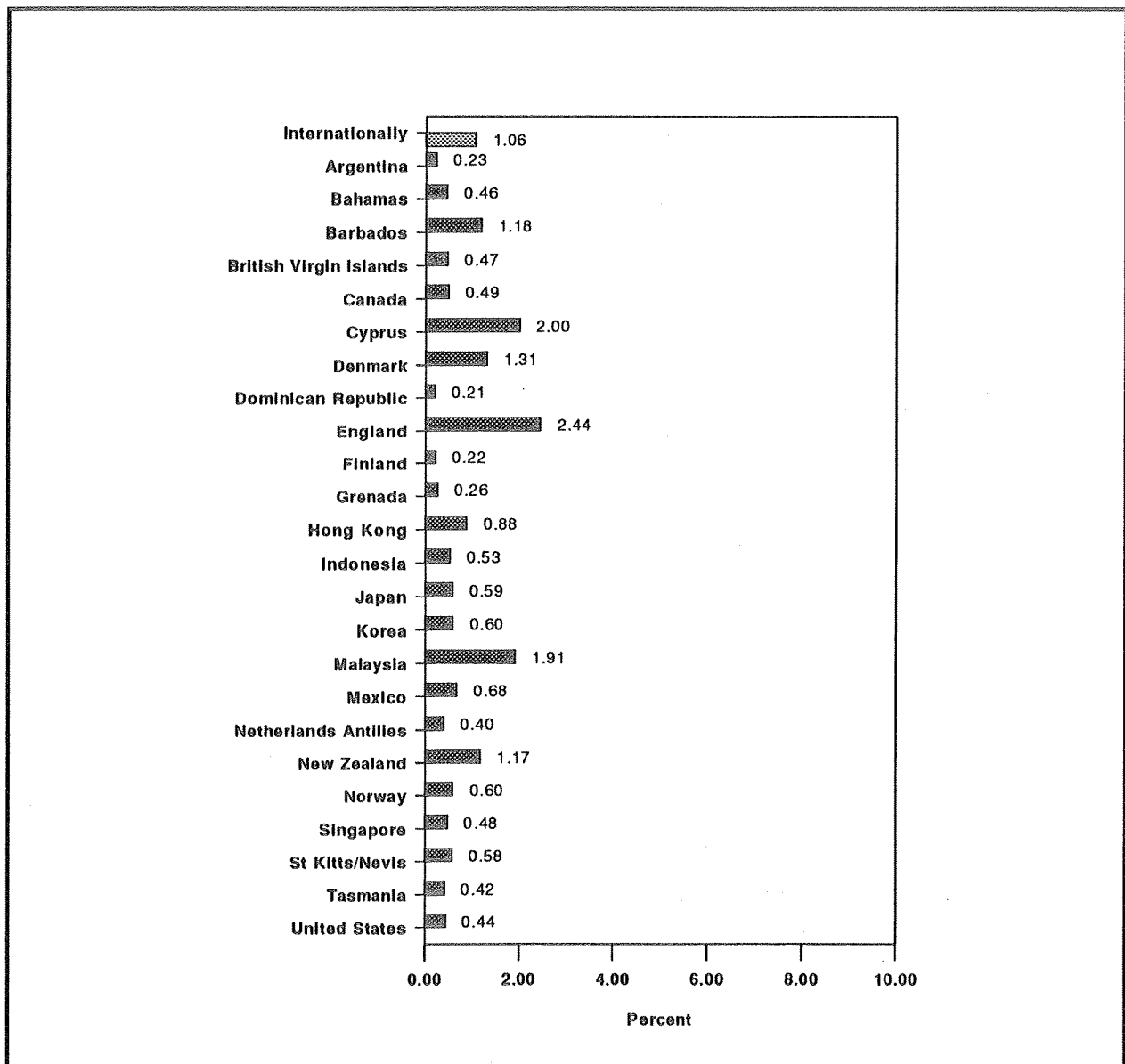
<u>Category</u>	<u>Indicator Items</u>	<u>Total Number Reported</u>
Recreational Fishing/ Boating Wastes	plastic fishing line	42,137
	plastic floats and lures	14,520
		56,657 (1.06)
Commercial Fishing Wastes	plastic rope	102,656
	plastic light sticks	18,345
	foamed plastic bouys	13,969
	rubber gloves	13,154
	plastic fishing nets	11,483
	plastic salt bags	9,853
	metal crab/fish traps	2,791
	wooden crab/lobster traps	2,232
	174,483 (3.27)	
Operational Wastes	plastic strapping bands	30,104
	write-protection rings	8,885
	glass light bulbs	8,529
	plastic pipe thread protectors	7,806
	plastic sheeting longer than 2feet	6,757
	wooden pallets	4,795
	fluorescent light tubes	3,023
	wooden crates	2,804
	plastic hard hats	1,515
	74,218 (1.39)	
Galley Wastes	plastic trash bags	53,935
	plastic milk/ water gallon jugs	33,131
	plastic bleach/cleaner bottles	20,896
	foamed plastic meat trays	16,538
	vegetable sacks	7,950
	foamed plastic egg cartons	7,110
	139,560 (2.62)	
Sewage-Associated Wastes	plastic tampon applicators	16,584
	rubber condoms	6,374
	22,958 (0.43)	
Medical Waste	plastic syringes	4,899 (0.09)
Total Number of Indicator Items		467,876 (8.86)

Ocean-Based Sources of International Marine Debris

Recreational Fishing and Boating Wastes

Monofilament fishing line and plastic fishing floats and lures are the two items listed on the Beach Cleanup Data Card that are directly linked to recreational fishing and boating activities. These two indicator items represented 1.06% of the total debris collected. Barbados, Cyprus, Denmark, England, Malaysia, New Zealand, and the United States all had percentages that exceeded the international figure (Figure 9). While the percentages of these items are relatively low, it is important to keep in mind that these items pose great danger to marine wildlife. Monofilament fishing line is the number one killer of marine wildlife among marine debris items reported from beach cleanups and has been reported to cause extensive and dangerous damage to boat motor propellers.

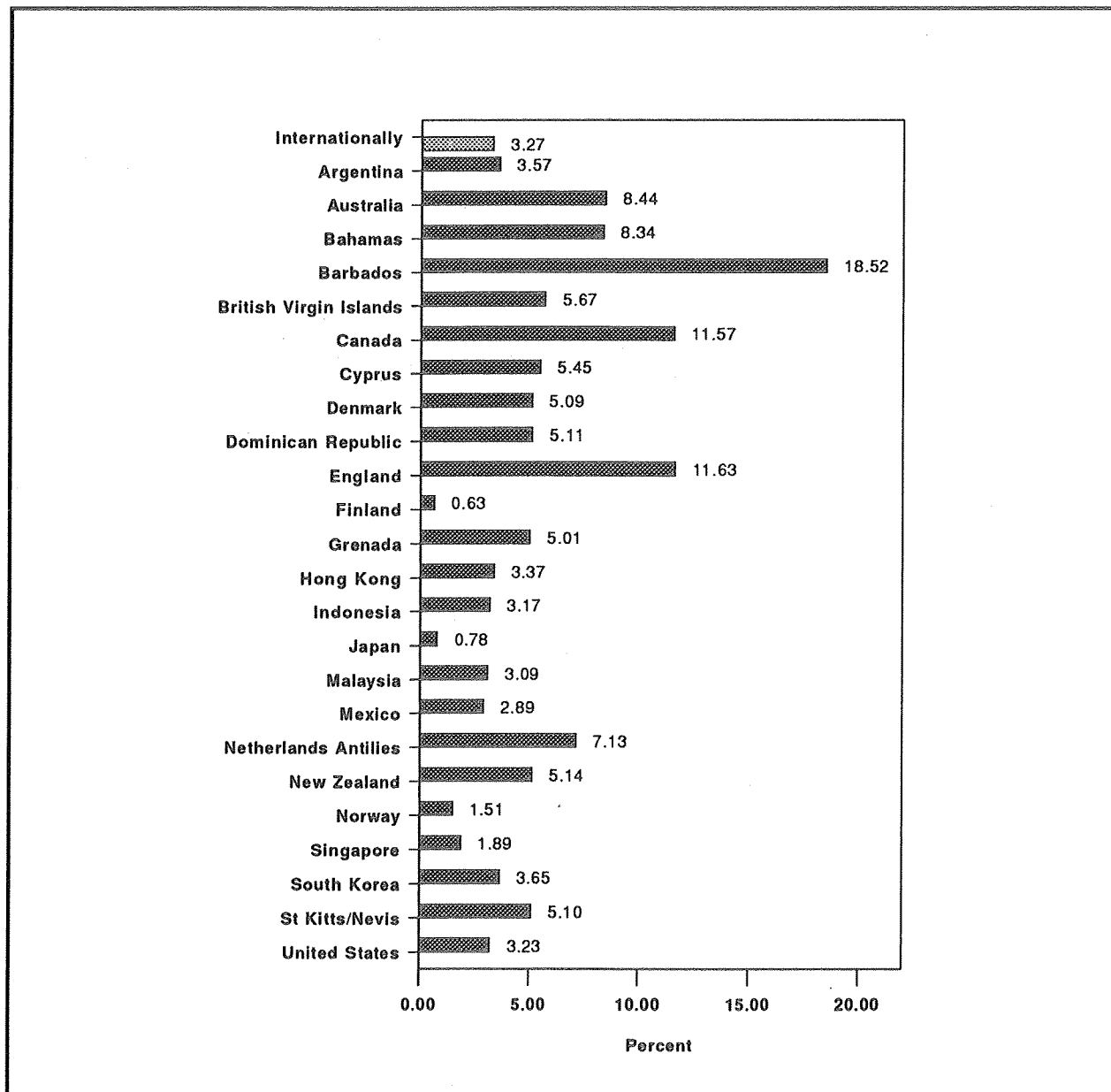
Figure 9. Recreational Fishing and Boating Wastes Reported from 1992 International Coastal Cleanups



Commercial Fishing Wastes

Debris items directly linked to commercial fishing activities are plastic rope, plastic light sticks, plastic fishing nets, plastic salt bags, foamed plastic buoys, rubber gloves, and metal and wooden crab/lobster traps. These indicator items account for 3.27% of the total debris collected worldwide during the 1992 cleanup. Argentina, Bahamas, Barbados, British Virgin Islands, Canada, Cyprus, Denmark, Dominican Republic, England, Grenada, Hong Kong, Korea, Netherlands Antilles, New Zealand, St. Kitts/Nevis, and Tasmania reported percentages of commercial fishing waste higher than the international percentage (Figure 10). These wastes were particularly prevalent in Barbados, Canada and England. As with recreational boating and fishing wastes, special attention must be given to commercial fishing debris due to the dangerous threat it poses to marine wildlife.

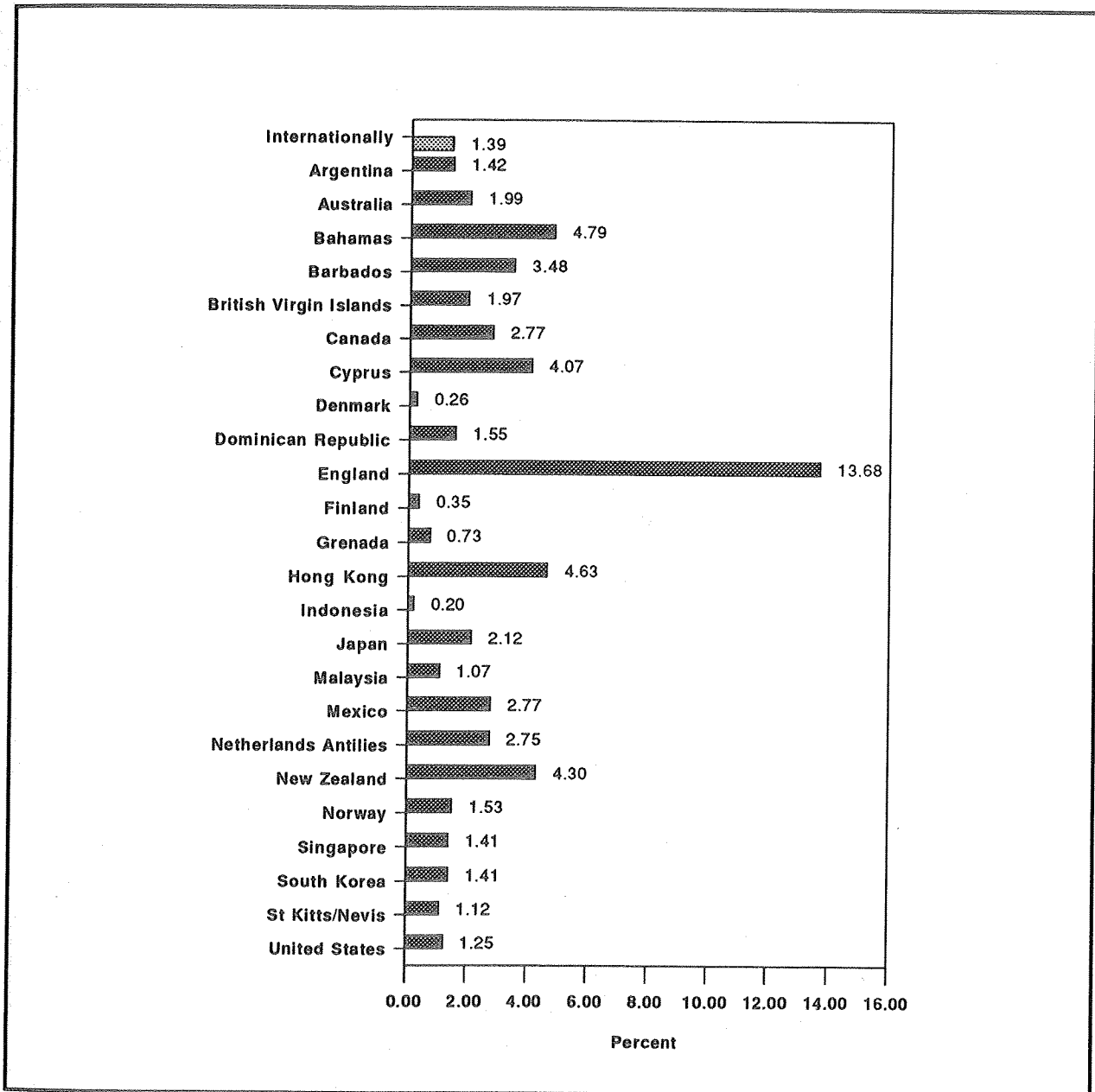
Figure 10. Commercial Fishing Wastes Reported from 1992 International Coastal Cleanups



Operational Waste

Wastes generated by offshore petroleum activities and debris from cargo vessels are listed on the Beach Cleanup Data Card as plastic strapping bands, plastic sheeting longer than two feet, plastic pipe thread protectors, plastic write-protection rings, plastic hard hats, glass light bulbs, fluorescent glass light tubes, and wooden crates and pallets. Approximately 1.39% of the total debris reported during the cleanup was made up of these items. Countries that reported percentages significantly higher than the international figure were Argentina, Bahamas, Barbados, British Virgin Islands, Canada, Cyprus, Dominican Republic, England, Hong Kong, Japan, Korea, Mexico, Netherlands Antilles, New Zealand, Norway, Singapore, and Tasmania (Figure 10).

Figure 11. Operational Wastes Reported from 1992 International Coastal Cleanups

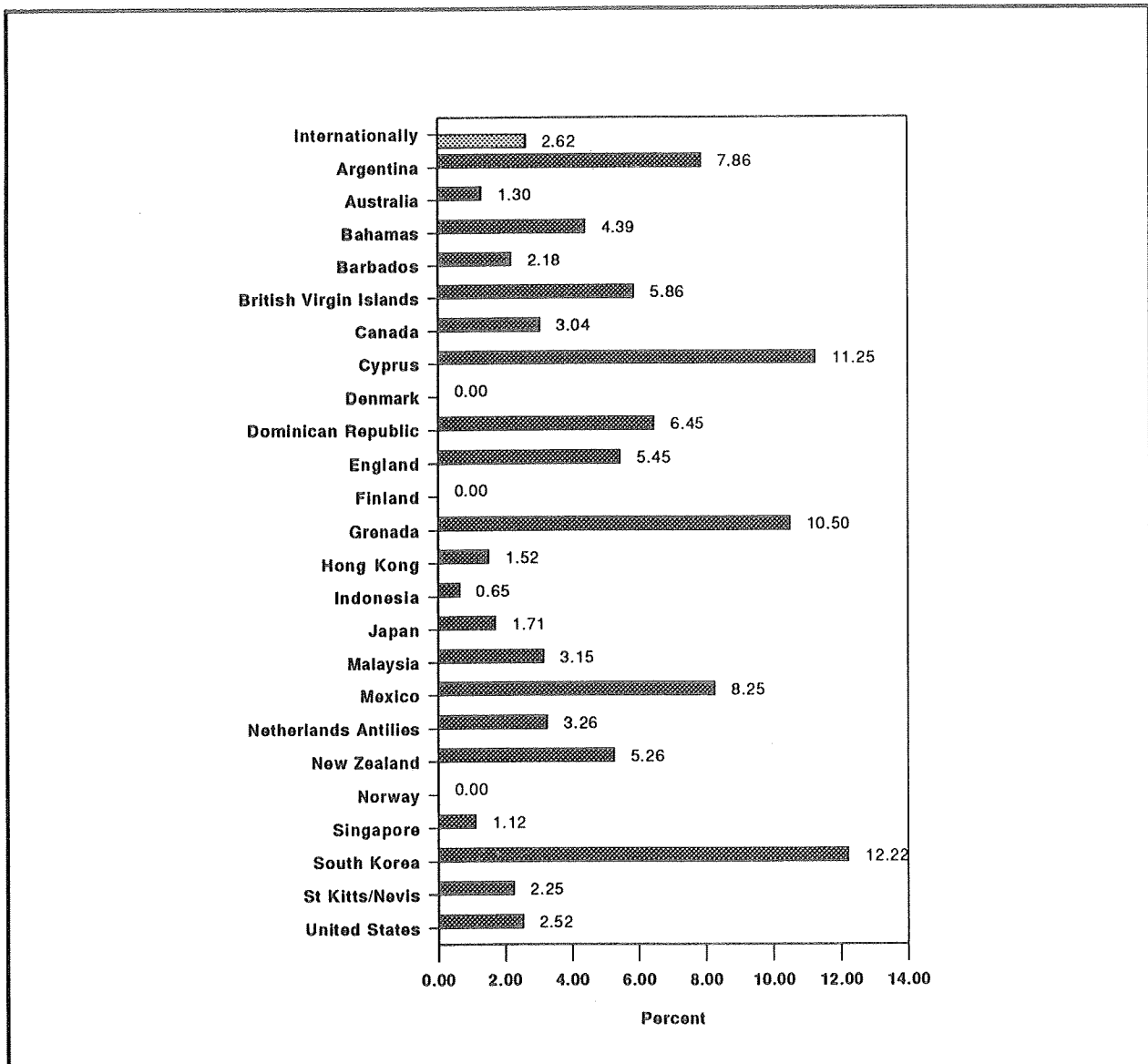


Galley-type Wastes

Waste items that are traced directly to the galleys of ships accounted for 2.62% of the international debris collected. These indicator items listed on the data card include plastic trash bags, plastic milk and water jugs, plastic bleach/cleaner bottles, plastic mesh vegetable sacks, and foamed plastic egg cartons and meat trays. Countries with galley waste percentages higher than the international percentage were Argentina, Bahamas, British Virgin Islands, Canada, Cyprus, Dominican Republic, England, Grenada, Korea, Malaysia, Mexico, Netherlands Antilles, and New Zealand (Figure 12). Countries in which these wastes were substantially higher include Argentina, Cyprus, Grenada, Korea, and Mexico.

Generally speaking, ocean-based sources of marine debris are substantial contributors to the overall problem of trash in our ocean and other waterways. The countries with relatively high marks in all four ocean-based categories were Cyprus, England, and New Zealand.

Figure 12. Galley Type Wastes Reported from 1992 International Coastal Cleanups

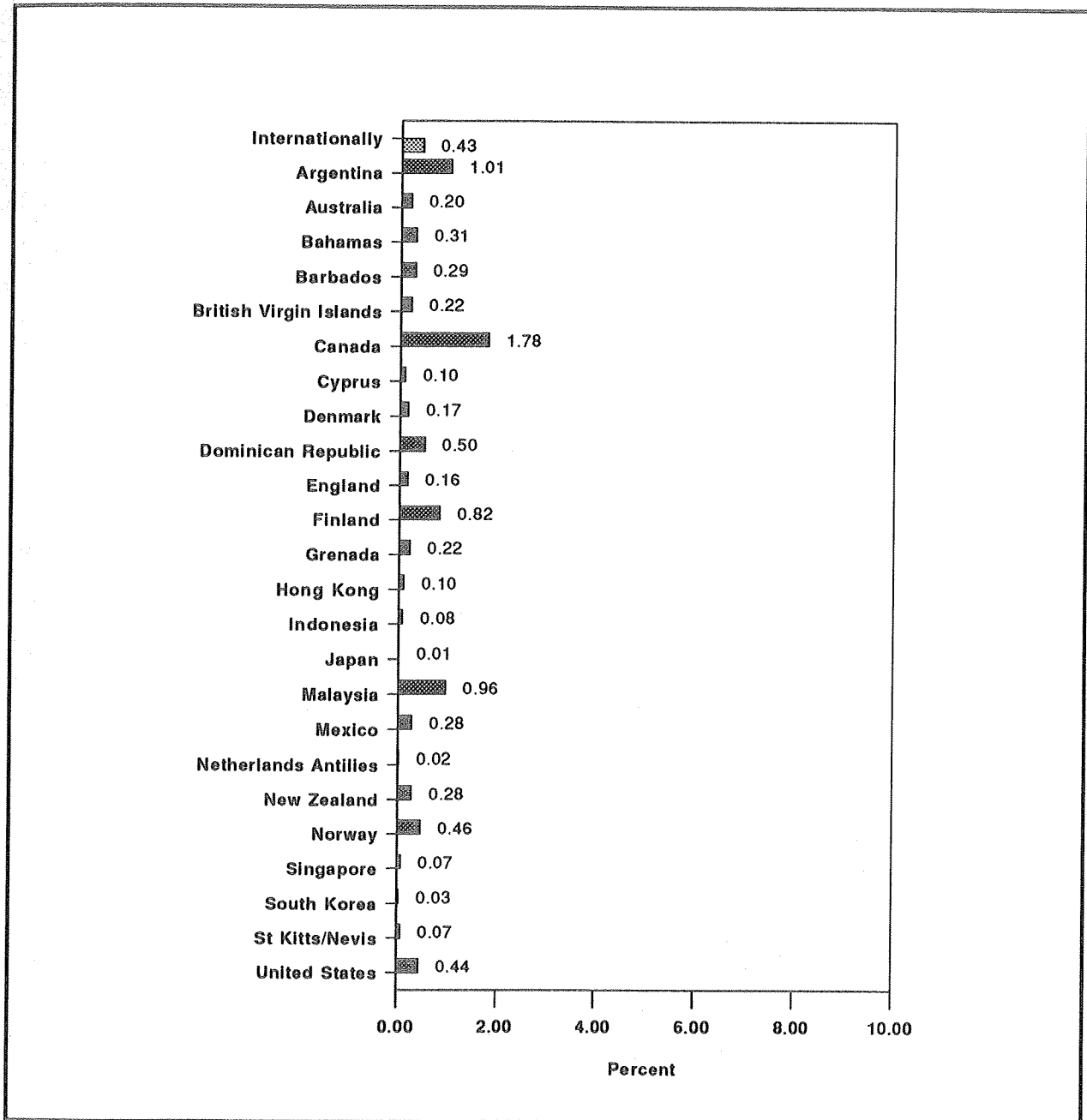


Land-Based Sources of International Marine Debris

Sewage-associated Wastes

Sewage-associated wastes accounted for 0.43% of all debris recorded during the 1992 Cleanup. Plastic tampon applicators and condoms, the two indicator items for this category, were most commonly found in Argentina, Canada, Dominican Republic, Finland, Malaysia, Norway, and the United States (Figure 13). The result of inadequate or non-existent sewage treatment systems, these two debris items are most likely accompanied by a variety of harmful liquid and other solid wastes.

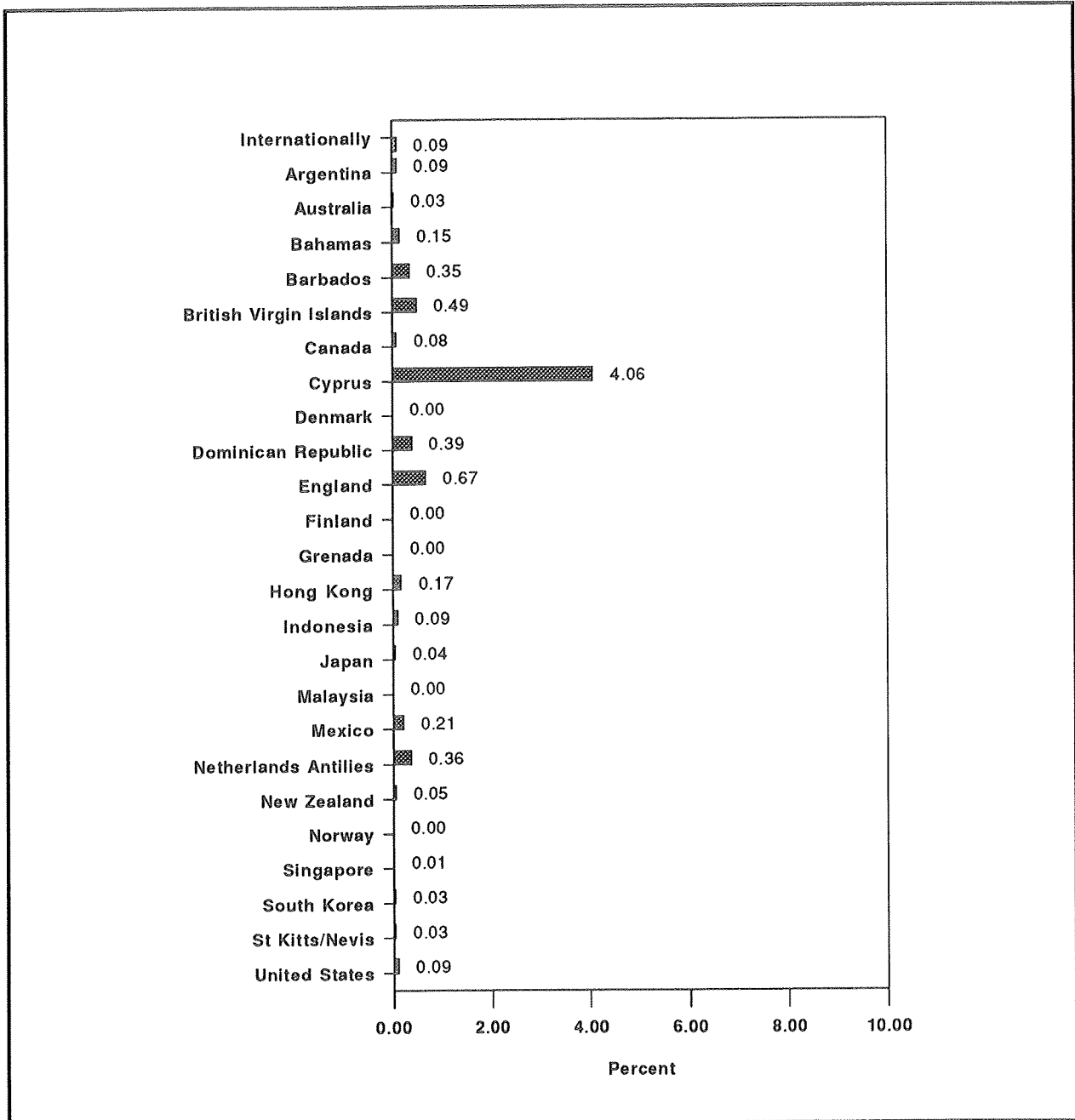
**Figure 13. Sewage-associated Wastes
Reported from 1992 International Coastal Cleanups**



Medical Wastes

Plastic syringes, the one item listed on the Beach Cleanup Data Card indicating medical wastes, accounted for only 0.09% of the total debris collected internationally. Denmark, Finland, Grenada, Korea, Malaysia, and Norway reported no medical waste found on their beaches. It is important to note that syringes found on beaches can be the result of inadequate sewer systems or illegal drug use in beachfront areas in addition to illegal dumping or medical wastes.

Figure 14. Medical Wastes Reported from 1992 International Coastal Cleanups



Foreign Sources of International Marine Debris

The 1992 cleanup data illustrates again the extensive travel capabilities of marine debris. International cleanup volunteers collectively identified 32 countries as sources of foreign debris (see Appendix 3 for a detailed listing of these findings). Sixteen of these countries have ratified Annex V of MARPOL, the international treaty that prohibits the disposal of plastics at sea. A list of these signatory countries follows:

Austria	Jamaica
China	Japan
Colombia	Netherlands
Democratic People's Republic of Korea	Norway
France	Russian Federation
Germany	Spain
Greece	United Kingdom
Italy	United States

If a vessel from one of these countries dumps plastic of any type into the open sea or any territorial waters, they are in violation of MARPOL Annex V. It is important to note that the disposal of plastics into the territorial waters of a signatory country is illegal, even by foreign vessels belonging to countries that have not adopted Annex V. However, it is also important to note that debris that is identifiable to a specific country may not have originated from that country. Therefore, while foreign sources of debris may be used to gather general information on the international native of this problem it cannot be used to identify the specific origin of a debris item.

International Marine Debris Impacts on Wildlife

Accounts of marine wildlife becoming entangled in debris were reported across the globe. Volunteers in the United States recorded 64 cases of wildlife impacted by marine debris. In the U.S. state of Maine, a group of volunteers found a dead sea bird with a six-pack ring around its neck, despite the degradable plastic used for the six-pack ring. In fact, this degradable ring was also of the new design made to tear when a beverage can was removed. Hence, in this case the degradable, detachable ring design did not prevent wildlife entanglement. The reports may appear few and far between, but it is important to keep in mind that these cases were reported in a three hour time period, often in countries where the beach cleanups were performed by a relatively small group of volunteers. In any event, even one reported incident of wildlife harmed by debris especially species including marine mammals, sea turtles and birds, is one too many. Marine wildlife should not suffer as a result of our carelessness.

1992 International Coastal Cleanup
Raw Data Summary

	Argentina	Bahamas	Barbados	British Virgin Islands	Canada	Cyprus	Denmark	Dominican Republic	England	Finland	Grenada	Hong Kong	Indonesia
PLASTIC													
Bags	1918	84	133	51	3688	69	90	307	399	117	271	307	568
Salt	7	1	20	1	163	4	0	243	20	0	94	2	20
Trash	1140	105	1	39	780	35	0	686	85	0	65	28	11
Other	63	63	93	27	1085	38	0	416	163	0	38	114	91
Bottles	187	310	55	97	1943	43	0	184	255	0	108	169	19
Bleach	156	249	28	82	853	94	0	293	96	0	169	27	1
Gallon	95	122	3	60	971	81	0	133	61	0	6	47	1
Oil/lube	119	128	4	113	1528	38	7	419	44	0	165	27	2
Other	261	384	29	99	939	74	139	395	107	70	210	135	11
Buckets	3	68	12	4	227	8	0	64	25	0	22	17	0
Caps/lids	935	909	156	220	4667	72	79	848	266	45	51	173	121
Cigarette butts	2902	108	17	19	6010	21	29	753	21	167	32	1178	235
Cigarette lighters	48	71	2	17	282	72	16	45	12	8	2	132	1
Cups/utensils	185	249	84	119	1076	53	227	1570	56	97	60	42	57
Diapers	36	5	2	20	77	7	1	48	29	0	8	0	0
Fishing line	40	15	20	8	386	26	42	15	82	5	1	57	13
Fishing nets	12	54	36	20	681	2	20	40	199	13	4	83	0
Floats/lures	3	41	0	9	151	13	4	28	38	2	5	14	0
Hard hats	0	10	0	1	16	0	0	35	2	0	0	0	0
Light sticks	0	448	1	3	113	0	0	18	33	0	0	32	0
Pieces	2898	1805	393	273	9955	12	126	1388	253	117	60	611	321
Pipe thread prot.	73	29	0	0	267	35	0	33	0	6	2	6	0
Rope	604	367	254	165	10121	20	110	332	295	3	17	73	57
Sheeting Long	10	7	1	8	386	2	0	111	90	0	0	1	0
Short	2	37	0	19	797	5	0	110	132	0	0	10	0
Six-pack holders	0	24	3	11	385	2	11	71	93	1	0	17	0
Strapping bands	54	73	42	27	1814	3	0	30	530	0	2	199	0
Straws	247	114	30	162	1560	23	16	1059	89	39	39	612	173
Syringes	17	18	6	18	82	79	0	81	33	0	0	14	1
Tampon applicators	21	36	5	6	1784	0	0	89	6	12	0	2	2
Toys	30	60	4	7	265	34	24	92	44	17	8	88	16
Vegetable sacks	0	16	1	26	51	8	0	98	13	0	0	2	3
Write prot. rings	0	16	2	0	131	0	0	54	0	0	1	16	0
Other	1115	535	0	89	2381	32	161	996	185	87	26	193	71
STYROFOAM													
Buoys	12	125	2	16	741	50	7	134	9	0	0	34	0
Cups	28	213	2	15	2532	5	19	432	31	1	23	33	1
Egg cartons	45	27	2	6	56	0	0	81	4	0	0	3	0
Fast food cont.	20	10	0	40	483	1	6	121	32	7	43	36	0
Meat trays	3	12	2	1	599	1	0	56	9	0	3	16	0
Packaging	12	135	17	14	1520	24	8	43	60	8	20	91	1
Pieces	572	747	60	207	9473	18	50	1220	117	14	60	542	66
Plates	7	49	4	13	981	0	6	514	2	2	7	24	0
Other	1	140	0	10	441	0	38	133	2	12	3	29	2

	Argentina	Bahamas	Barbados	British Virgin Islands	Canada	Cyprus	Denmark	Dominican Republic	England	Finland	Grenada	Hong Kong	Indonesia
GLASS													
Bottles Beverage	47	965	29	271	2664	125	0	379	87	5	49	64	3
Food	14	109	0	17	232	4	37	163	30	0	0	10	4
Other	23	295	4	75	436	25	311	436	46	421	7	26	0
Fluor light tubes	44	210	3	1	130	3	0	6	10	0	2	1	0
Light bulbs	15	194	8	19	185	21	9	46	27	2	6	2	0
Pieces	406	182	24	57	8814	106	155	1212	84	405	18	225	86
Other	1	55	0	3	194	80	127	178	1	69	0	26	0
RUBBER													
Balloons	59	7	0	0	659	0	0	1	14	0	0	17	4
Condoms	163	1	0	2	174	2	6	16	2	14	5	6	0
Gloves	15	10	1	2	446	30	31	37	16	4	1	19	0
Tires	13	22	3	6	235	17	60	62	13	3	14	13	2
Other	98	257	0	55	1832	36	100	318	25	35	11	111	61
METAL													
Bottle caps	144	213	18	88	2387	13	68	396	20	419	8	107	105
Aerosol	46	136	3	32	391	78	13	101	41	8	42	11	2
Beverage	115	298	6	433	1809	107	0	223	121	0	134	89	12
Food	14	22	2	24	202	41	0	139	15	0	23	37	12
Other	36	46	2	4	338	30	154	122	20	140	16	13	15
Crab/lobster traps	4	2	0	0	124	0	8	32	0	0	0	10	1
Drums	18	20	0	2	40	4	2	5	9	6	7	5	2
Rusty	1	4	0	0	29	0	0	0	2	0	0	0	0
New	58	121	2	14	1821	17	253	179	20	13	32	64	52
Pieces	95	0	0	1	488	0	11	105	1	66	17	69	8
Pull tabs	27	52	3	4	430	3	53	46	4	4	6	48	4
Wire	12	76	0	13	1465	3	393	97	8	92	27	39	12
Other													
PAPER													
Bags	359	31	0	14	383	0	31	127	24	6	20	90	17
Cardboard	142	48	7	73	1227	7	22	223	9	7	38	7	17
Cartons	145	28	7	63	555	14	5	171	19	123	33	56	21
Cups	26	56	3	7	419	10	8	204	4	30	2	15	3
Newsletters	45	14	1	2	408	10	5	66	9	10	0	34	14
Pieces	852	77	10	22	2983	1	85	334	36	72	12	271	63
Plates	2	6	0	4	48	3	4	245	0	12	2	4	0
Other	111	46	0	11	1104	0	0	202	7	35	2	74	11
WOOD													
Crab/lobster traps	0	2	0	0	193	0	3	22	0	0	0	20	0
Crates	11	13	3	4	32	0	0	1	3	3	4	19	0
Lumber	354	281	1	167	1649	10	91	196	82	125	43	502	46
Pallets	53	26	0	12	50	15	0	7	11	0	0	131	5
Other	106	80	0	12	479	13	115	163	25	166	10	397	5
CLOTH													
Clothing	154	78	9	48	1271	65	119	810	51	15	68	243	9
TOTAL ITEMS/COUNTRY	18905	12104	1695	3654	108723	1947	3515	20888	4918	3160	2314	8106	2464

1992 International Coastal Cleanup
Raw Data Summary

	Japan	Korea	Malaysia	Mexico	Netherlands Antilles	New Zealand	Norway	Singapore	St. Kitts- Nevis	Tasmania	United States	INTERNATIONAL TOTAL
PLASTIC												
Bags	11110	1213	242	2313	55	341	219	2642	136	1393	229636	257222
Food	688	0	0	218	16	96	0	105	1	14	8140	9653
Salt	1452	1987	33	3108	14	95	0	537	50	55	43629	53935
Trash	8635	865	63	854	47	187	0	1050	144	193	75448	90291
Other	2473	323	25	1378	185	614	0	459	223	72	104251	113275
Bottles	1189	33	9	991	51	264	0	41	57	4	16209	20896
Beverage	18	310	12	812	93	236	0	91	16	1	29962	33131
Gallon	0	36	13	2567	46	79	0	40	142	2	17664	23183
0.1l./tube	0	225	17	1059	98	209	188	295	65	19	42406	47434
Other	0	17	1	245	13	61	0	8	5	8	8763	9571
Buckets	0	105	58	3414	294	656	55	1174	185	126	185544	205177
Caps/lids	80325	0	88	2233	336	70	0	22599	189	59	775438	892929
Cigarette butts	7888	38	15	207	67	78	7	147	5	7	27471	36438
Cigarette lighters	441	112	20	953	332	129	225	487	302	30	94367	101273
Cups/dispensers	146	4	2	1387	0	2	42	25	9	5	9717	11567
Diapers	707	60	2	297	13	128	34	271	22	17	39876	42137
Fishing line	1187	87	3	155	30	97	14	105	14	27	8600	11483
Fishing nets	1195	55	32	155	8	16	4	87	13	8	12639	14520
Floats/lures	1	24	0	167	2	2	0	8	4	0	1243	1515
Hard hats	73	1	1	152	5	6	16	130	12	0	17302	18345
Light sticks	41774	800	62	2844	359	411	331	4471	379	1374	314484	385511
Pieces	0	0	2	177	14	10	0	28	0	0	7124	7806
Pipe thread prot.	396	144	47	897	306	393	44	900	231	437	86443	102656
Rope	0	17	0	220	11	95	0	68	0	8	5722	6757
Sheeting	104	0	0	138	9	112	0	144	16	7	12608	17015
Short	19	0	0	972	19	445	25	20	1	19	28017	30156
Six-pack holders	6486	0	7	156	74	342	0	401	36	110	19718	30104
Strapping bands	4621	114	89	3453	174	571	8	3145	137	88	155247	171810
Straws	92	0	0	141	19	6	0	9	2	2	4279	4899
Syringes	11	6	0	110	1	1	0	35	3	4	14470	16584
Tampon applicators	1604	29	2	365	8	23	26	173	2	11	19882	22814
Toys	29	0	1	136	2	0	0	40	3	12	7509	7950
Vegetable sacks	0	0	0	306	12	0	0	280	2	0	8063	8885
Write prot. rings	17955	0	26	1093	196	208	153	1418	231	239	92124	119514
Other	0	0	0	0	0	0	0	0	0	0	0	0
STYROFOAM												
Buoys	29	302	3	278	19	8	8	55	22	6	12109	13969
Cups	1710	39	3	241	20	303	73	160	78	25	113690	119677
Egg cartons	117	1	1	179	7	0	0	67	1	0	4513	7110
Fast food cont.	88	3	5	350	13	114	11	145	19	0	28491	30038
Heat trays	2717	0	0	265	6	51	0	51	8	6	12732	16538
Packaging	0	8	41	398	83	33	14	525	48	15	37071	40189
Pieces	17192	829	130	1899	341	544	51	12847	215	123	251083	298400
Plates	165	73	0	782	17	20	24	81	41	0	19813	22625
Other	115	9	0	252	44	25	19	637	55	73	24485	26525

	Japan	Korea	Malaysia	Mexico	Netherlands Antilles	New Zealand	Norway	Singapore	St. Kitts-Nevis	Tasmania	United States	INTERNATIONAL TOTAL
GLASS												
Bottles Beverage	4171	385	33	3035	276	599	6	323	396	172	157684	171768
Food	4227	25	1	185	7	88	0	32	11	1	14569	19773
Other	325	122	10	837	29	73	1816	148	85	0	20493	26043
Fluor. light tubes	0	0	1	61	8	0	0	6	5	0	252	3023
Light bulbs	175	34	2	159	14	56	87	44	5	2	7417	8529
Pieces	3143	1044	56	2786	313	819	494	1997	162	518	196006	219112
Other	4002	40	0	79	4	307	331	206	47	4	17505	23259
RUBBER												
Balloons	184	50	1	171	1	164	0	272	1	12	31816	33433
Condoms	35	0	17	74	0	33	29	18	1	8	5768	6374
Gloves	144	91	0	134	3	31	7	80	2	24	12026	13154
Tires	141	78	3	350	6	40	114	41	85	7	9406	10734
Other	2189	103	40	573	42	66	78	1018	137	35	36532	43752
METAL												
Bottle caps	2865	448	25	2392	318	159	92	806	187	20	94035	105333
Aerosol	1031	29	6	412	59	173	17	66	30	18	12829	15574
Beverage	20710	829	110	1931	260	633	0	391	222	290	173654	202377
Food	1953	87	67	786	22	122	0	52	121	11	14669	18421
Other	168	68	4	288	3	9	222	35	19	4	10043	11749
Crab/lobster traps	7	0	0	32	0	4	4	9	18	0	2520	2791
Drums	0	33	1	499	1	82	10	30	25	2	2395	3198
Rusty	0	0	0	0	0	0	0	0	4	0	402	509
New	0	0	0	55	0	0	0	0	0	0	42712	48974
Pieces	199	526	4	1201	23	321	482	727	112	21	36142	54250
Pull tabs	13544	68	10	893	18	88	21	2574	7	24	17816	27671
Wire	6947	1352	0	453	27	133	91	131	23	14	39591	44173
Other	445	226	5	279	46	16	379	748	159	22	38743	49426
PAPER												
Bags	7217	488	7	1649	6	52	31	92	38	1	32745	36426
Cardboard	166	393	45	851	19	75	5	212	134	4	22843	29279
Cartons	3589	350	66	722	21	31	10	238	136	33	42988	45808
Cups	1280	357	34	117	8	33	21	115	67	1	24480	238164
Newspapers	1491	261	40	519	19	5	20	511	27	7	15034	16115
Pieces	6193	1046	62	2059	90	238	54	3049	130	18	53416	58224
Plates	233	39	4	354	6	22	14	68	11	0	1877	2332
Other	1619	185	19	234	38	90	78	809	90	43	2488	2804
WOOD												
Crab/lobster traps	50	0	1	37	0	0	3	18	6	0	81281	98663
Crates	0	0	6	90	0	2	3	113	9	0	3467	4795
Lumber	9681	1188	1	2028	85	306	27	610	104	5	34470	40570
Pallets	173	195	1	505	11	21	99	99	6	0	6020	61327
Other	2119	78	14	451	23	104	54	1600	74	12	461449	5328113
CLOTH												
Clothing	1588	800	27	1009	49	191	150	654	175	88	53656	61327
TOTAL ITEMS/COUNT	322400	19082	1778	66577	5314	12273	6348	74864	5995	6020	461449	5328113



Mexico volunteers celebrate after cleaning a beach in Campeche.

DETAILED COUNTRY ANALYSIS

The first step in tackling the debris problem is often taken at a regional or local level. The following detailed analysis of each country participating provides the information necessary for each country to begin targeting debris sources that are predominant in their area.

Each country section begins with results of the 1991 cleanup, giving the number of volunteers participating, the miles of beach and waterway cleaned, and the total pounds of trash collected. Following this is a description of the cleanup.

The pie graph, *Percent Composition of Debris* illustrates the seven composition categories of debris and the percentage of the total debris that each makes up. The "Dirty Dozen" lists the twelve most commonly reported items for each area's cleanup. The bar graph, *Major Types and Sources of Beach Debris*, depicts the percentage of total debris that is either a specific type of debris (e.g., bottles and associated goods) or is attributed to a specific source (e.g., commercial fishing activities). *Major Characteristics of Debris in Each Zone* provides very localized information on each zone for which data analysis was done. *Traceable Debris Reported* lists any debris with identifying markings, where this debris was found, and what the markings were. *Foreign Debris Reported* lists any debris which has markings indicating its source as a country different from the country in which it was found. The section on *Stranded and/or Entangled Wildlife* details incidents of wildlife entanglement encountered by volunteers. The list of *Most Peculiar Debris Items Reported* is a listing of items which volunteers found were the most peculiar of any they collected.

The bar graphs in the section *Trends in Major Types and Sources of Beach Debris* track the percentages of the debris categories listed under *Major Types and Sources of Beach Debris*. All areas that have collected data during the cleanup for at least three years will have trends in each category indicated. This analysis was not done for areas that have two years or less of data, since this amount of information is not sufficient to indicate any type of trend.

Each country section closes with the name, address, and telephone of each cleanup coordinator and the anticipated date of their 1992 cleanup.

ANTIGUA AND BARBUDA

September 19, 1992
167 Volunteers
5 Miles Cleaned
3,900 Pounds of Debris Collected

Coordinated by: Kevel Lindsay/ Brian Cooper
The Environmental Awareness Group
P.O. Box 103
St. John's, Antigua
(809) 462-1569 or (809) 460-1740

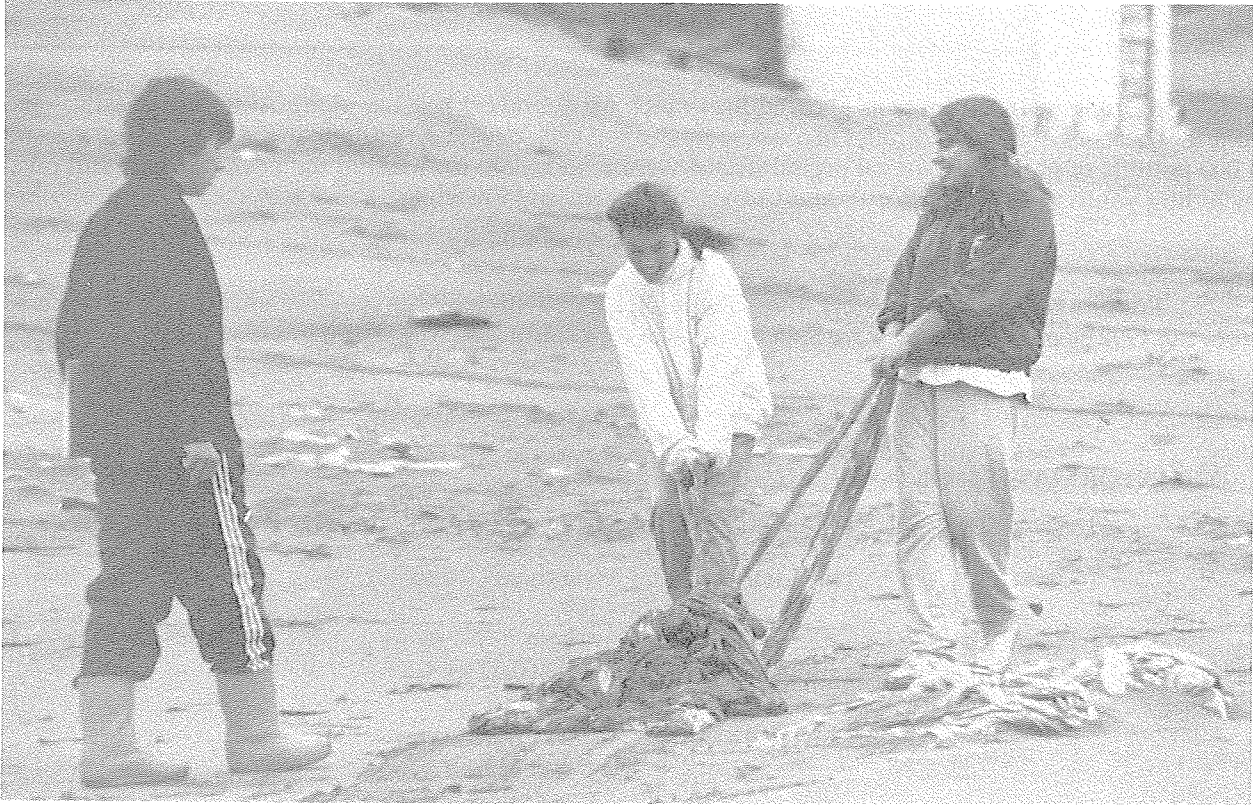
More than 160 volunteers showed up to pick up debris off beaches along Antigua's coast. Six different beaches, totaling five miles of coast, were cleaned and surveyed, resulting in the collection of almost 4,000 pounds of garbage. Several organizations were responsible for making the event a successful one, including youth groups, Boy Scouts and Cubs, Girl Guides, and Brownies.

Editor's note: Unfortunately, due to complications with mailing we were unable to receive data from the 1992 cleanup. However we look forward to receiving data from them in 1993.

FOR INFORMATION ON ANTIGUA AND BARBUDA'S 1993 COASTAL CLEANUP CONTACT:

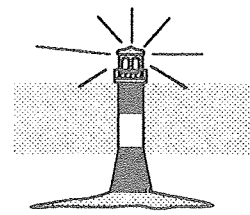
Kevel Lindsay/ Brian Cooper
The Environmental Awareness Group
P.O. Box 103
St. John's, Antigua
(809) 462-1569 or (809) 460-1740

CLEANUP DATE: Contact Coordinator



Argentinean volunteers haul in a beach surprise.

ARGENTINA



November 14, 1992
116 Volunteers
5 Miles Cleaned
2,116 Pounds of Debris Collected
29 Data Cards

Coordinated by: Daniel Rolleri/Aldo Brandani
El Salvador 4834 5L
(1414) Buenos Aires, Argentina
(54-1)71-6588

We are pleased to report the first all-volunteer beach cleanup campaign of Argentina. It was organized by the "CENTRO PARA EL MANEJO DE COSTAS" at the coastal summer resort of Miramar, Buenos Aires Province, Argentina. Despite bad weather, 95 high school students volunteered for the campaign, supervised by 11 adult coordinators. The campaign was a resounding success both in terms of environmental awareness, results obtained, and ideas for future actions.

The event had the support of the local community, Miramar City Council, and local radio and TV stations. The Center for Marine Conservation (CMC) provided materials and know-how, instrumental for our successful campaign.

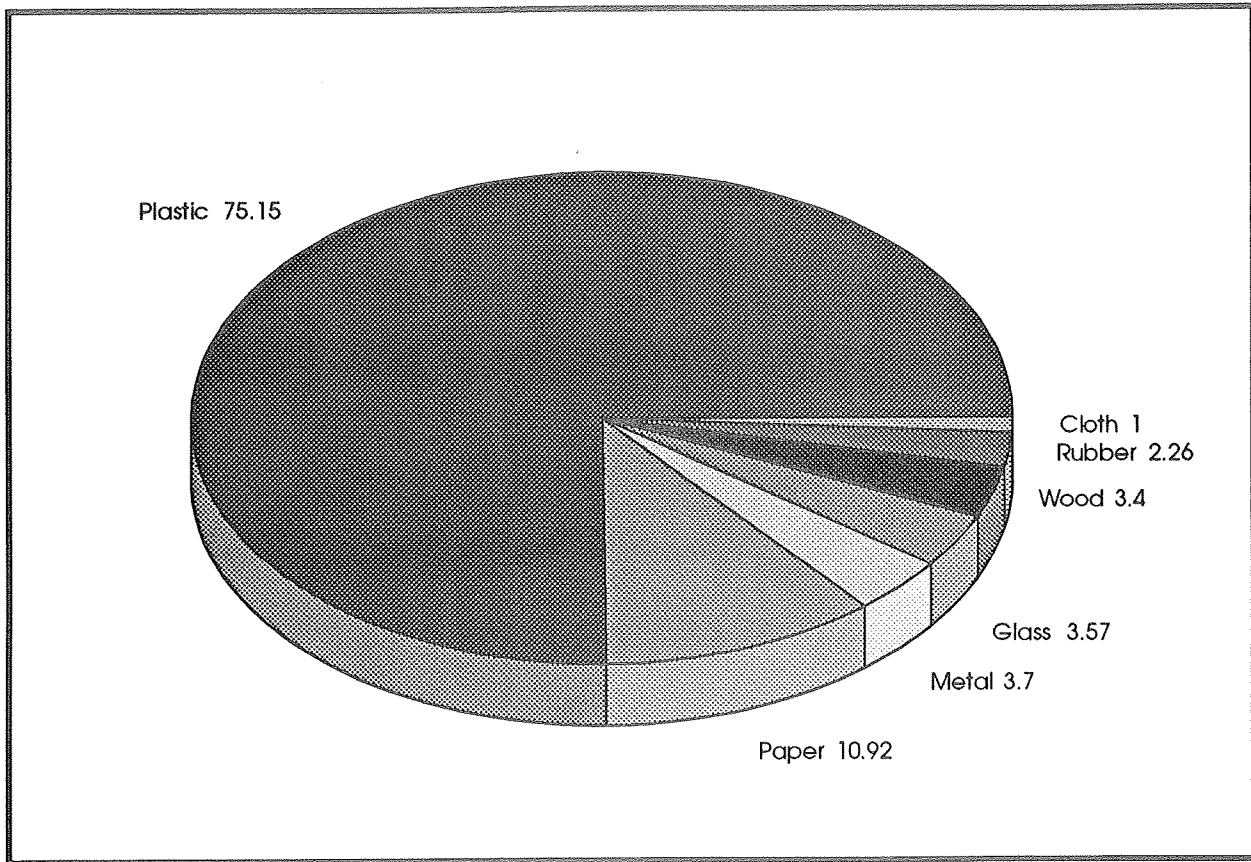
Several spinoffs are resulting from the event: formal reports to local authorities are being produced to enhance environmental awareness; video materials for educational and network coverage; processing of CMC posters to adapt them to local language and more common trash items. Diverse requests to repeat the event at other coastal locations were received as result of this first campaign.

The event formally ended late Saturday night with a "Clean Beach Party" offered by the local night club for teenagers, "Aramasao," where CMC items were raffled among volunteers, given away as special recognition for their contribution.

We are enthusiastically planning future campaigns in order to enhance coastal environmental awareness in Argentina.

Daniel Rolleri/Aldo Brandani

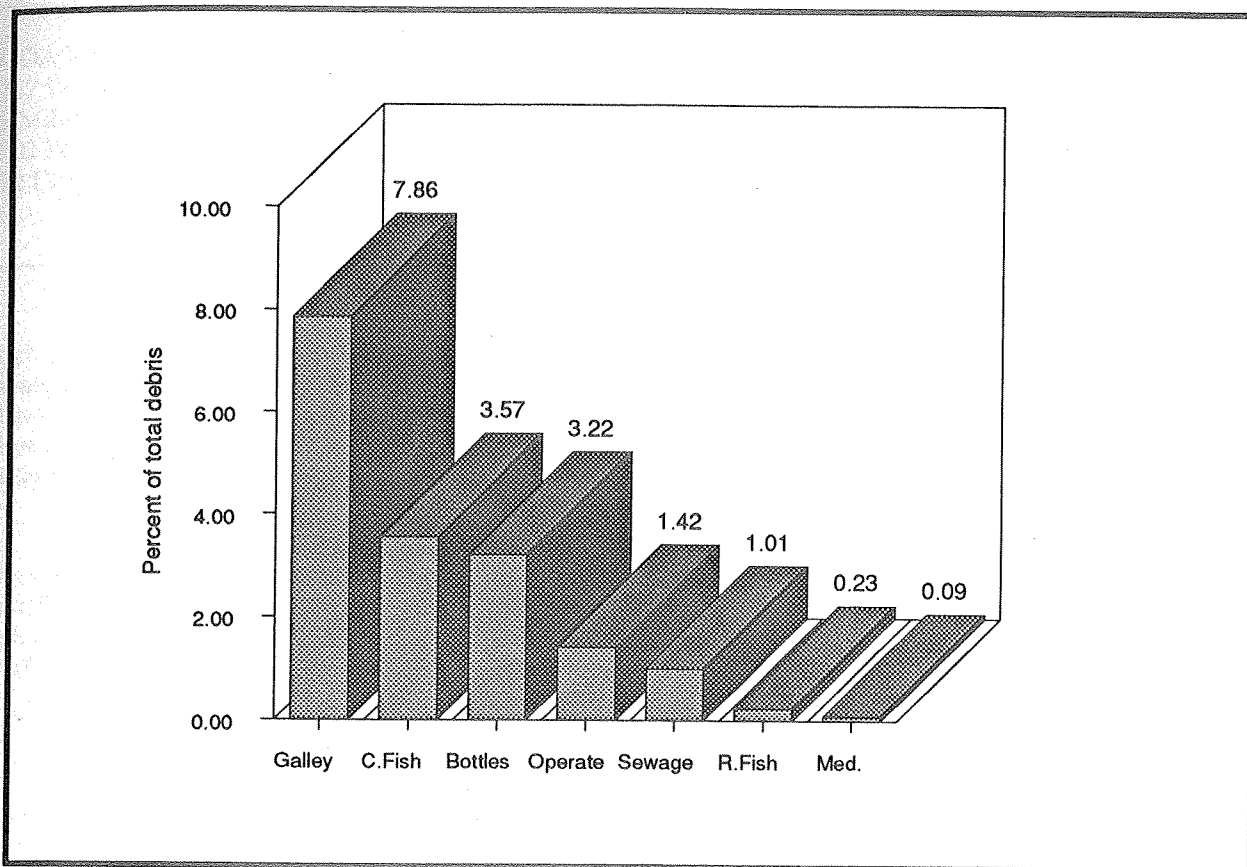
PERCENT COMPOSITION OF ARGENTINA'S BEACH DEBRIS:



ARGENTINA'S 1992 DIRTY DOZEN:

	Total Number Reported	Percent of Total Debris Collected
1. Cigarette butts	2,902	15.85
2. Plastic pieces	2,898	15.83
3. Plastic food bags	1,918	10.48
4. Plastic trash bags	1,140	6.23
5. Plastic caps and lids	935	5.11
6. Paper pieces	852	4.65
7. Miscellaneous plastic bags	657	3.59
8. Plastic rope	604	3.30
9. Foamed plastic pieces	572	3.12
10. Glass pieces	406	2.22
11. Paper bags	359	1.96
12. Lumber	354	1.93
Total	13,597	74.28

MAJOR TYPES AND SOURCES OF ARGENTINA'S BEACH DEBRIS:



MAJOR CHARACTERISTICS OF DEBRIS IN EACH ZONE:

Data was only collected for one zone in Miramar, Argentina.

TRACABLE DEBRIS REPORTED:

None reported

FOREIGN DENRIS ITEMS REPORTED:

None reported

ENTANGLED WILDLIFE REPORTED:

None reported

MOST PECULIAR DEBRIS ITEMS REPORTED:

None

FOR INFORMATION ON ARGENTINA'S 1993 COASTAL CLEANUP CONTACT:

Daniel Rolleri
Centro para el Manejo de Costas
El Salvador 4834 5L
(1414) Buenos Aires, Argentina
(54) 1-716588

CLEANUP DATE: Contact Coordinator



AUSTRALIA

COASTWEEKS
187 Volunteers
9 Miles Cleaned
502 Pounds of Debris Collected
22 Data Cards

Coordinated by: Janet Slater
Education Officer
171 Macquarie Street
GPO 44A
Hobart Tasmania 7001
011-002-23-5011

On International Cleanup day, 187 members joined in from all areas around the state. Much of the debris recorded could be sources to both recreational and commercial fishing and boating. Tasmania's waters support a rich fishing industry involving both Australian and international fishing fleets and are heavily used for all kinds of aquatic recreation. We didn't record any entangled animals on cleanup day, but entanglements are regularly recorded at other times, the most common being Australian fur seals in trawl net and strapping bands and seabirds in nylon rope and monofilament lines and nets.

The program is in its fourth year and has over 700 participants, including school groups, Lighthouse Keepers, fishermen, community groups, individuals and Park Service Rangers in remote areas. Many participants regularly survey their favorite beach sites. The results have given us an excellent statewide picture of the quantities, types and sources over the four years. Much of our plastic debris (40%) is sources to fishing and boating activities, both commercial and recreational.

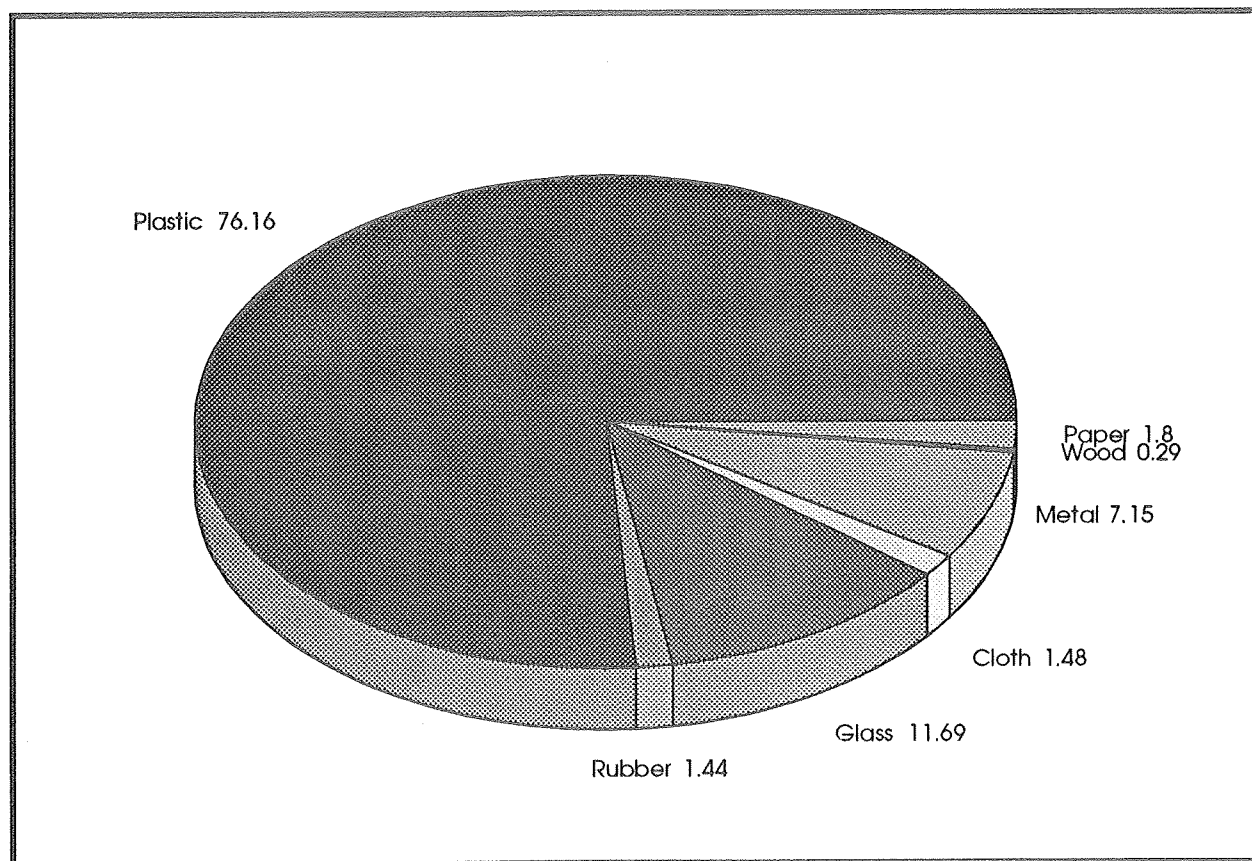
Everyone enjoyed the cleanup day and look forward to the next one.

Janet Slater



Australian coordinator Janet Slater, with the "Eagle Neck" group.

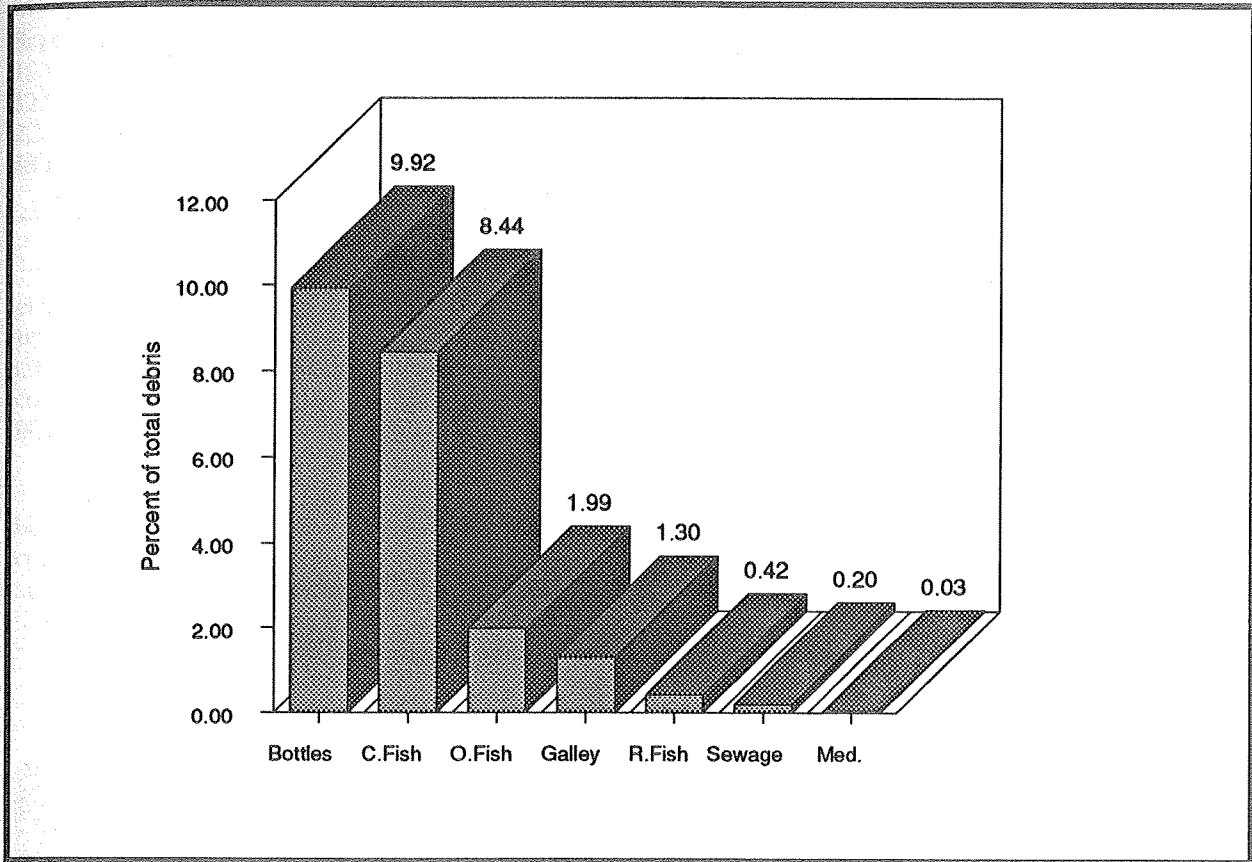
PERCENT COMPOSITION OF AUSTRALIA'S BEACH DEBRIS:



AUSTRALIA'S 1992 DIRTY DOZEN:

	Total Number Reported	Percent of Total Debris Collected
1. Plastic food bags	1,393	23.14
2. Plastic pieces	1,374	22.82
3. Glass pieces	518	8.60
4. Plastic rope	437	7.26
5. Metal beverage cans	290	4.82
6. Miscellaneous plastic bags	193	3.21
7. Glass beverage bottles	172	2.86
8. Plastic caps and lids	126	2.09
9. Foamed plastic pieces	123	2.04
10. Strapping bands	110	1.83
11. Clothing	88	1.46
12. Plastic straws	88	1.46
Total	4,912	81.59

MAJOR TYPES AND SOURCES OF AUSTRALIA'S BEACH DEBRIS:



MAJOR CHARACTERISTICS OF DEBRIS IN EACH ZONE:

Data was collected from only one zone, the state of Tasmania

TRACEABLE DEBRIS REPORTED:

None

FOREIGN DEBRIS REPORTED:

None

ENTANGLED WILDLIFE REPORTED:

None

MOST PECULIAR DEBRIS ITEMS REPORTED:

None

FOR INFORMATION ON AUSTRALIA'S 1993 COASTAL CLEANUP CONTACT:

Janet Slater
Education Officer
171 Macquarie Street
GPO 44A
Hobart, Tasmania 7001
011-002-23-5011

CLEANUP DATE: Contact Coordinator

BAHAMAS

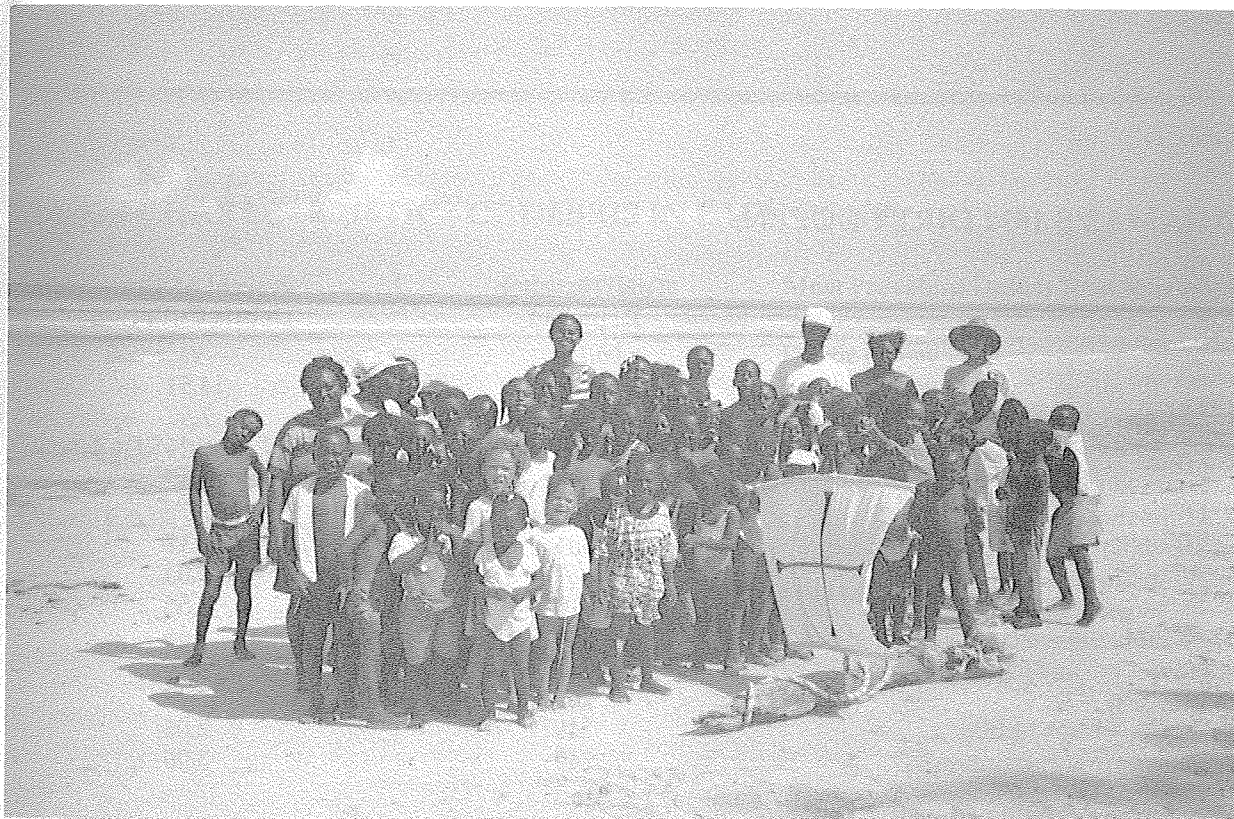
September 26, 1992
153 Volunteers
12 Miles Cleaned
2,360 Pounds of Debris Collected
43 Data Cards

Coordinated by: Donna Crawford
General Delivery
Fresh Creek, Andros
Bahamas

The Bahamas coastal cleanup took place in two phases. Following Donna Crawford's beach cleanup with students on Andros Island, CMC staffers Lisa Younger, Betsy Schrader, and Sonja Fordham traveled to the Abacos Islands to help organize cleanups with small communities on Elbow Cay, Great Ghana Cay, and Man-O-War Cay. They went as part of a joint project with Clean Islands International, a coalition of solid waste experts and environmental educators who give professional assistance to small island communities.

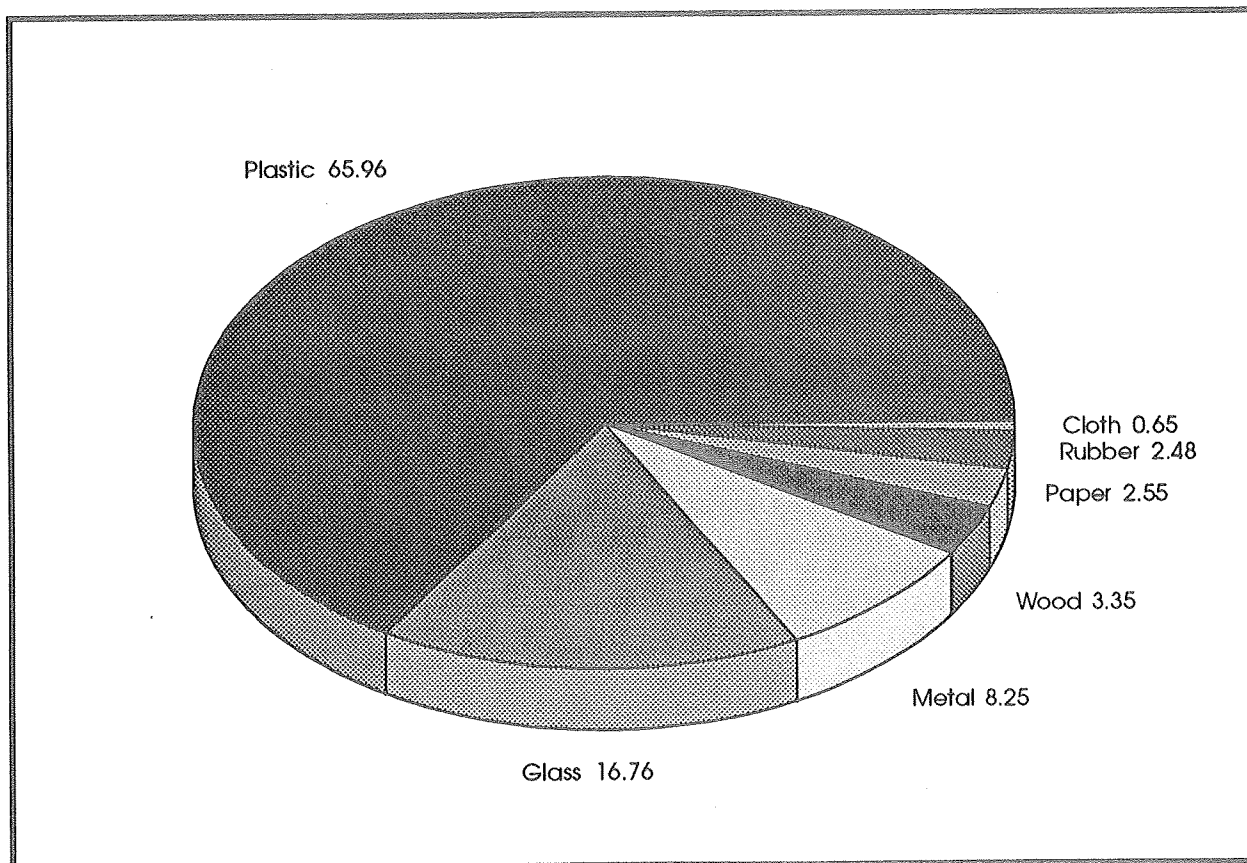
For three hours, homes, schools, and shops emptied as entire communities turned out to scour their beaches, picking up trash and recording what they found on CMC data cards. Unfortunately, the major contributors to the beach debris seem to be the U.S. Navy and the cruise line industry. The school children at Hope Town All Age School on Elbow Cay were especially concerned. They wrote letters to the cruise line companies and saved the cruise line trash for CMC to "give back" to the culprits!

Betsy Schrader



Young cleanup volunteers in the Bahamas gather for a photo on a just cleaned beach.

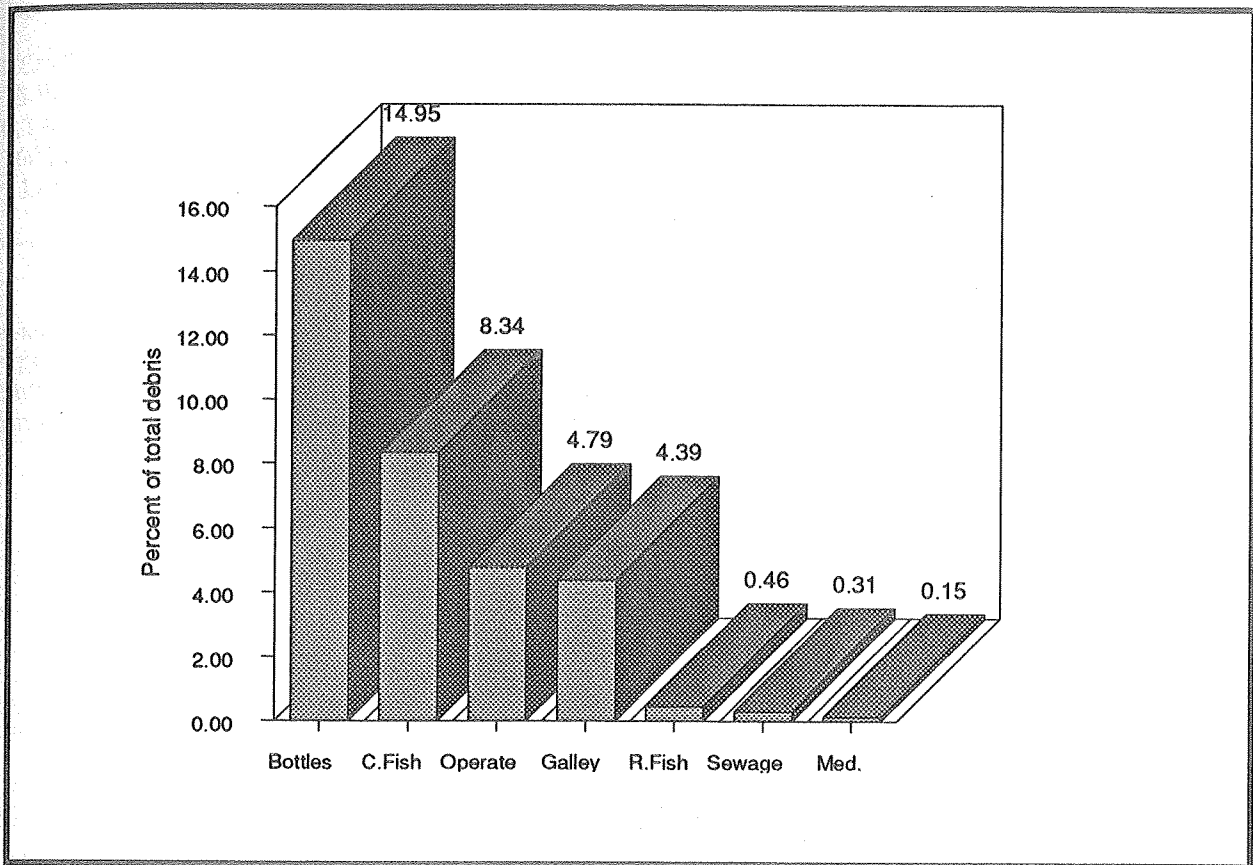
PERCENT COMPOSITION OF BAHAMAS' BEACH DEBRIS:



BAHAMAS'S 1992 DIRTY DOZEN:

	Total Number Reported	Percent of Total Debris Collected
1. Plastic pieces	1,805	14.91
2. Glass beverage bottles	965	7.97
3. Plastic caps and lids	909	7.51
4. Foamed plastic pieces	747	6.17
5. Light sticks	448	3.70
6. Miscellaneous plastic bottles	384	3.17
7. Plastic rope	367	3.03
8. Plastic beverage bottles	310	2.56
9. Metal beverage cans	298	2.46
10. Miscellaneous glass bottles	295	2.44
11. Lumber	281	2.32
12. Plastic bleach bottles	249	2.06
12. Plastic cups and utensils	249	2.06
Total	7,307	60.00

MAJOR TYPES AND SOURCES OF BAHAMAS' BEACH DEBRIS:



MAJOR CHARACTERISTICS OF DEBRIS IN EACH ZONE:

Zone Name	Percent Plastic	Most Prevalent Debris Item Reported
Man o' War Cay	51.64	Plastic pieces
Guana Cay	74.43	Plastic pieces
Hopetown	64.74	Glass beverage bottles
Sommerset Point	76.23	Plastic pieces

TRACEABLE DEBRIS REPORTED:

Location	Type of Debris	Source Indicated
Hopetown	shampoo bottle	Royal Caribbean Cruise
	shampoo bottle	Costa Cruise

FOREIGN DEBRIS ITEMS REPORTED:

Location	Source	Type of Debris	Other Remarks
Hopetown	Dominican Republic	styling lotion	
	Greece	plastic bottle	
	Japan	plastic bottle	
	Spain	plastic bottle	
	Venezuela	chemical bottle	

ENTANGLED WILDLIFE REPORTED:

None reported

MOST PECULIAR DEBRIS ITEMS REPORTED:

Man O' War Cay	name plate
Hopetown	pair of underwear, toy baby leg
Sommerset Point	cork

FOR INFORMATION ON BAHAMA'S 1993 COASTAL CLEANUP CONTACT:

Donna Crawford
General Delivery
Fresh Creek
Andros, Bahamas

CLEANUP DATE: Contact Coordinator

BARBADOS

COASTWEEKS

15 Volunteers

0.5 Miles Cleaned

160 Pounds of Debris Collected

1 Data Card

Coordinated by: Leo Brewster / Samuel Kaharabata

Barbados Environmental Association

P.O. Box 132

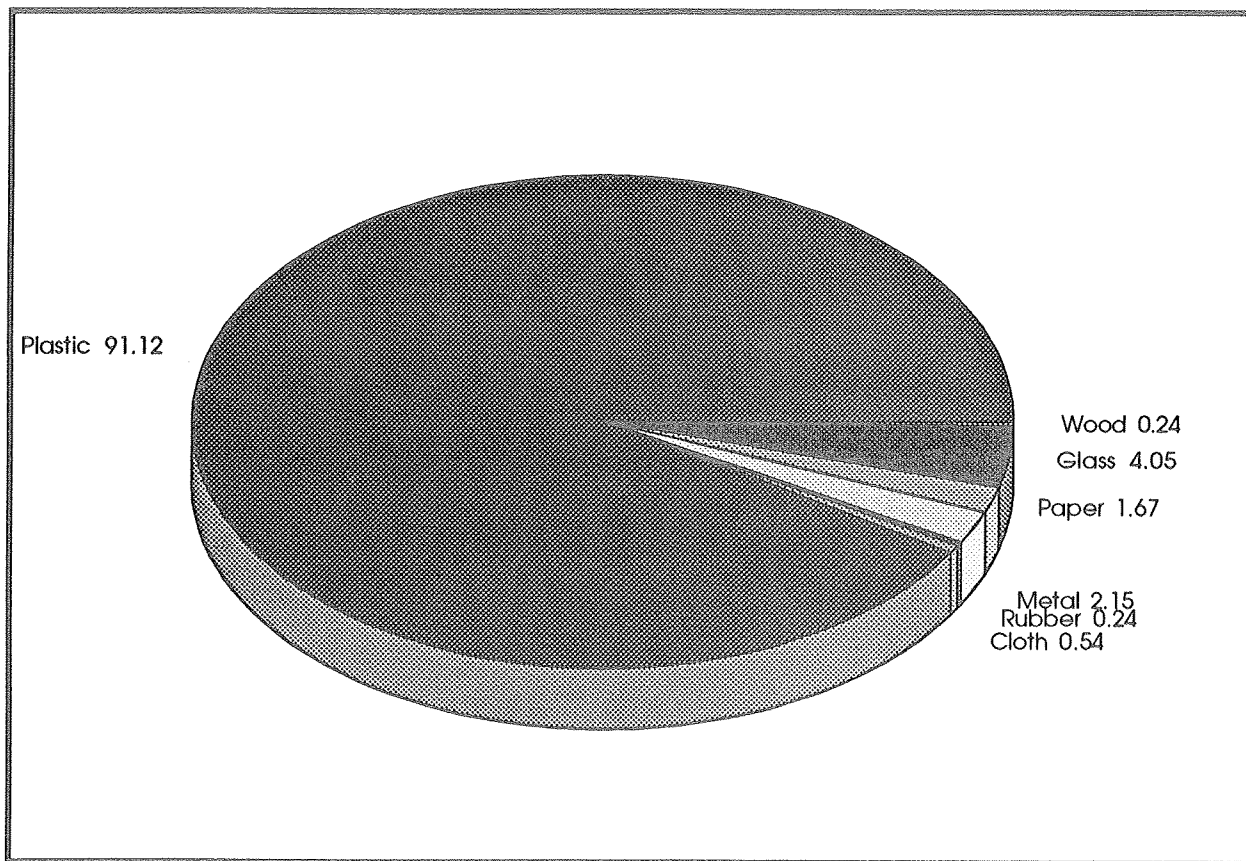
Bridgetown, Barbados

(809) 427-0619

In Barbados, volunteers chose to clean and collect data along a beach located on the east coast of the island. The location is a highly used picnic spot and receives marine debris and tarball pollution washed upon this coast on a daily basis. The "beach team," which included 15 volunteers, cleaned the 1/2 kilometer stretch in two hours. The location has to be regularly cleaned twice a week due to a beach front restaurant on the location.

Leo Brewster

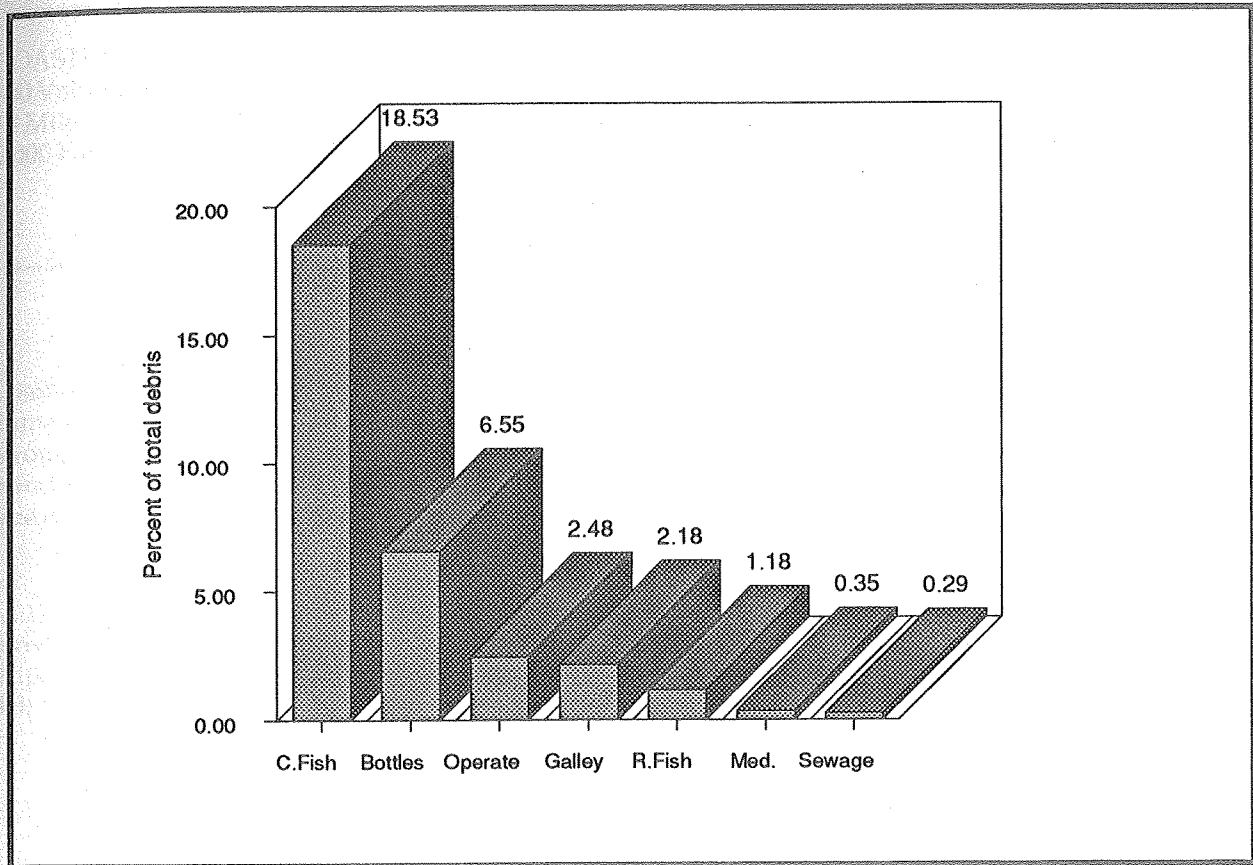
PERCENT COMPOSITION OF BARBADOS' BEACH DEBRIS:



BARBADOS 1992 DIRTY DOZEN:

	Total Number Reported	Percent of Total Debris Collected
1. Plastic pieces	393	23.19
2. Plastic rope	254	14.99
3. Plastic caps and lids	156	9.20
4. Plastic food bags	153	9.02
5. Miscellaneous plastic bags	93	5.49
6. Plastic cups and utensils	84	4.96
7. Foamed plastic pieces	60	3.54
8. Plastic beverage bottles	55	3.24
9. Plastic strapping bands	42	2.48
10. Plastic fishing nets	36	2.12
11. Plastic straws	30	1.77
12. Miscellaneous plastic bottles	29	1.71
Total	1,385	81.71

MAJOR TYPES AND SOURCES OF BAHAMAS' BEACH DEBRIS:



MAJOR CHARACTERISTICS OF DEBRIS IN EACH ZONE:

Data was collected from only one zone in Barbados.

TRACEABLE DEBRIS REPORTED:

None

FOREIGN DEBRIS REPORTED:

None

STRANDED AND/OR ENTANGLED WILDLIFE REPORTED:

None

MOST PECULIAR DEBRIS ITEMS REPORTED:

None reported

FOR INFORMATION ON BARBADOS' 1993 COASTAL CLEANUP CONTACT

Leo Brewster / Samuel Kaharabata
Barbados Environmental Association
P.O. Box 132
Bridgetown, Barbados
(809) 427-0619

CLEANUP DATE: Contact Coordinator

BELIZE

COASTWEEKS
600 Volunteers
18 Miles Collected
6,000 Pounds of Debris Collected

Coordinated by: Hilberto B. Riverol
The Scout Association of Belize
Civic Center
Central American Boulevard
Belize City, Belize
(501) 2-72168

Beliza data cards were unfortunately lost in the mail. We hope for better luck in 1993.

The first country-wide beach cleanup and data collection effort in Belize as part of the International Coastal Cleanup was implemented by the Ramada Schools Environmental Program. Sponsored by the Ramada Royal Reef Hotel and Marina in Belize City, the event was introduced to all five coastal towns throughout Belize, including San Pedro, which is the main tourist center. With the support of the high school principals, the mayors of the coastal towns, and the Scout Association of Belize, the cleanup represented a true community effort to speak out for the marine environment.

Due to communication complications, we did not receive the data collected during Belize's country-wide cleanup. But we did receive a report from Hilberto Riveroll, the Commissioner of Scouts, which provides a strong indication of the success of the cleanup organized in Belize. Six hundred Scouts participated in the event throughout Belize, collecting over three tons of trash! Approximately 18 miles of Belize's coast was covered during the cleanup, which was written up in *The Belize Times*.

by Julie Glen



Volunteers in Tortola fill out their data cards.

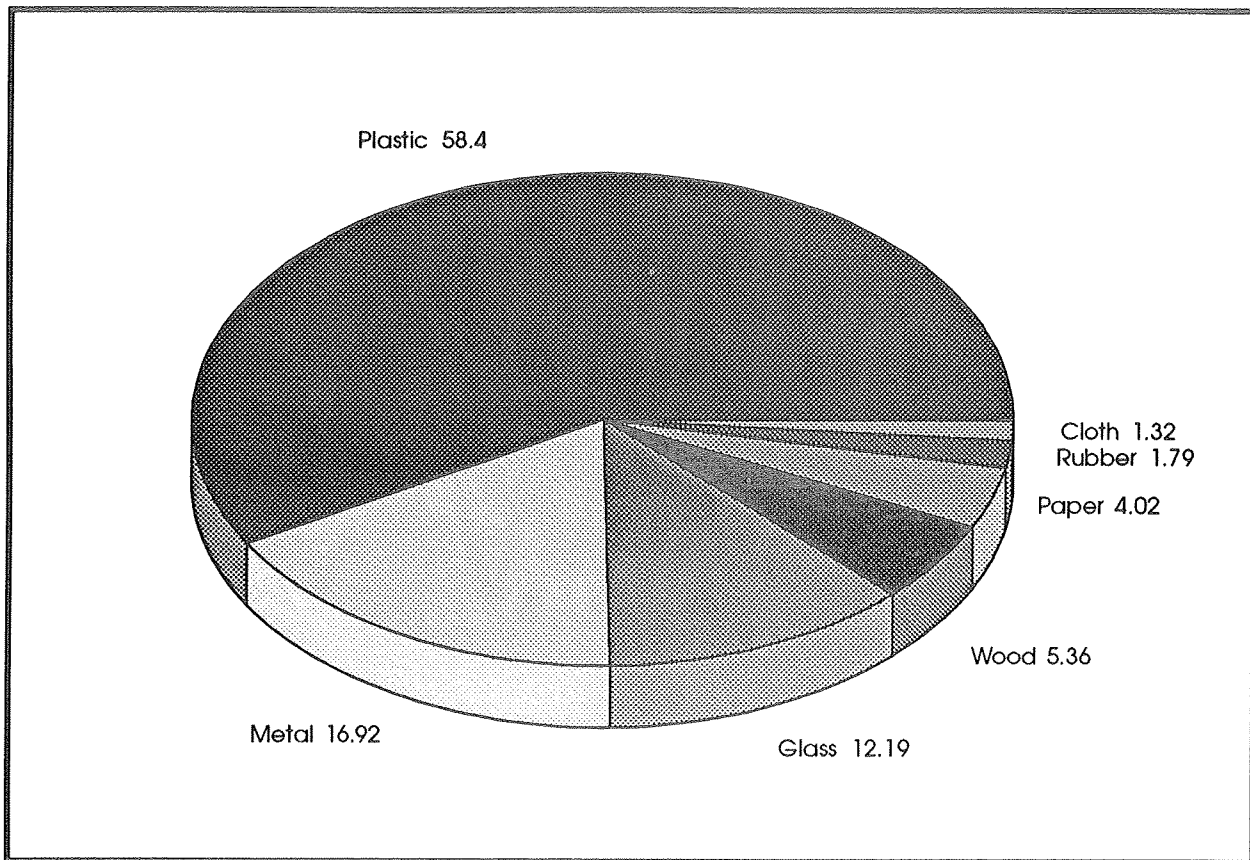
BRITISH VIRGIN ISLANDS

September 19, 1992
56 Volunteers
3 Miles Cleaned
600 Pounds of Debris Collected
14 Data Cards

Coordinated by: B. Lettsome
Conservation and Fisheries Department
Government of the British Virgin Islands
P.O. Box 860
Road Town, Tortola, BVI
(809) 494-5681

In 1992, the British Virgin Islands officially joined the International Coastal Cleanup team although it marks the second year that data from the region will be entered into the Marine Debris Database (completed data cards arrived unexpectedly the previous year). The Conservation and Fisheries Department of the Government of the British Virgin Islands, under the direction of Dr. Gillian Chambers (who sent the 1991 data to CMC), coordinated the event with much success. Fifty-six volunteers turned out to collect trash and data along three miles of coast. They concentrated on the beaches of Tortola, the largest of the British Virgin Islands and an extremely popular destination for tourists.

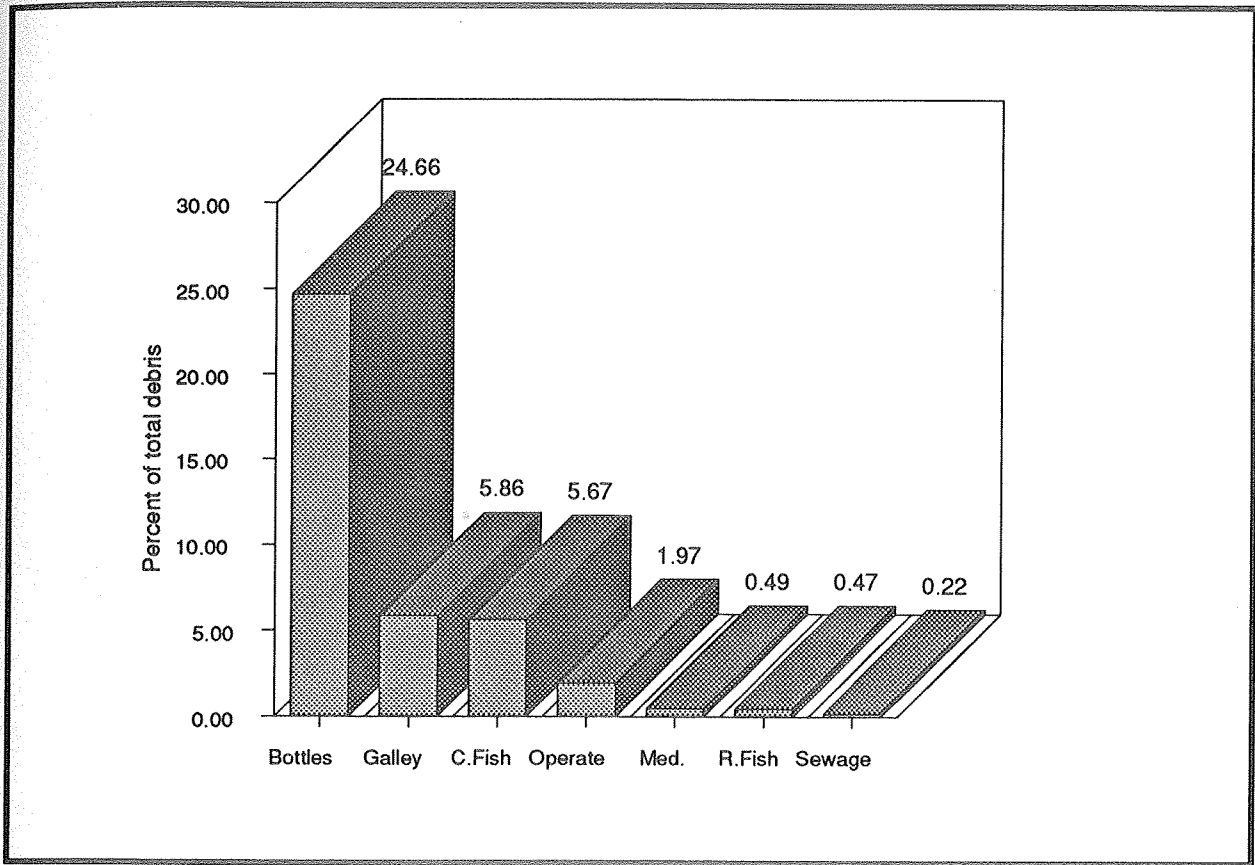
PERCENT COMPOSITION OF BRITISH VIRGIN ISLANDS' BEACH DEBRIS:



BRITISH VIRGIN ISLANDS 1992 DIRTY DOZEN:

	Total Number Reported	Percent of Total Debris Collected
1. Metal beverage cans	433	11.85
2. Plastic pieces	273	7.47
3. Glass beverage bottles	271	7.42
4. Plastic caps and lids	220	6.02
5. Foamed plastic pieces	207	5.67
6. Lumber	167	4.57
7. Plastic rope	165	4.52
8. Plastic straws	162	4.43
9. Plastic cups and utensils	119	3.26
10. Plastic oil/lube bottles	113	3.09
11. Miscellaneous plastic bottles	99	2.71
12. Plastic beverage bottles	97	2.65
Total	2,326	63.66

MAJOR TYPES AND SOURCES OF BRITISH VIRGIN ISLANDS' BEACH DEBRIS:



MAJOR CHARACTERISTICS OF DEBRIS IN EACH ZONE:

Zone Name	Percent Plastic	Most Prevalent Debris Item Reported
Loblolly Bay	65.10	Plastic pieces
Nannie Cay	66.24	Foamed plastic pieces
Road Harbour	55.35	Metal beverage cans
Buck Island	38.89	Glass beverage bottles
Long Bay	46.28	Metal beverage cans

TRACEABLE DEBRIS REPORTED:

None

FOREIGN DEBRIS ITEMS REPORTED:

None

ENTANGLED WILDLIFE REPORTED:

None

MOST PECULIAR DEBRIS ITEMS REPORTED:

None

FOR INFORMATION ON BRITISH VIRGIN ISLAND'S 1993 COASTAL CLEANUP CONTACT:

B. Lettsome
Conservation and Fisheries Department
Government of the British Virgin Islands
P. O. Box 860
Road Town, Tortola, BVI
(809) 494-5681

CLEANUP DATE: Contact Coordinator



Deer Island, New Brunswick, volunteers have fun cleaning their beach.

CANADA (NEW BRUNSWICK)

COASTWEEKS
799 Volunteers
38 Miles Cleaned
2,235 Pounds of Debris Collected
74 Data Cards

Coordinated by: Jamie Steele
Huntsman Marine Science Center
Brandy Cove Road
St. Andrews, New Brunswick
Canada EOG 2X0
(506)529-8895

Even though it is the fourth year that New Brunswick participated in the international cleanup it was the first year for the Huntsman Marine Science Centre to act as the local coordinator.

Canada's 125th birthday was celebrated this year and within the activities the Department of Environment organized a "Green-Up" Campaign throughout New Brunswick. In spring it started with a joint venture between coordinators of roadside cleanups, adopt-a-stream programs and beach cleanup teams.

We were quite successful in recruiting new zone captains for this affair. In May and June we had a total of 696 volunteers out cleaning 47 km. (28 miles) of beaches. It was a great success.

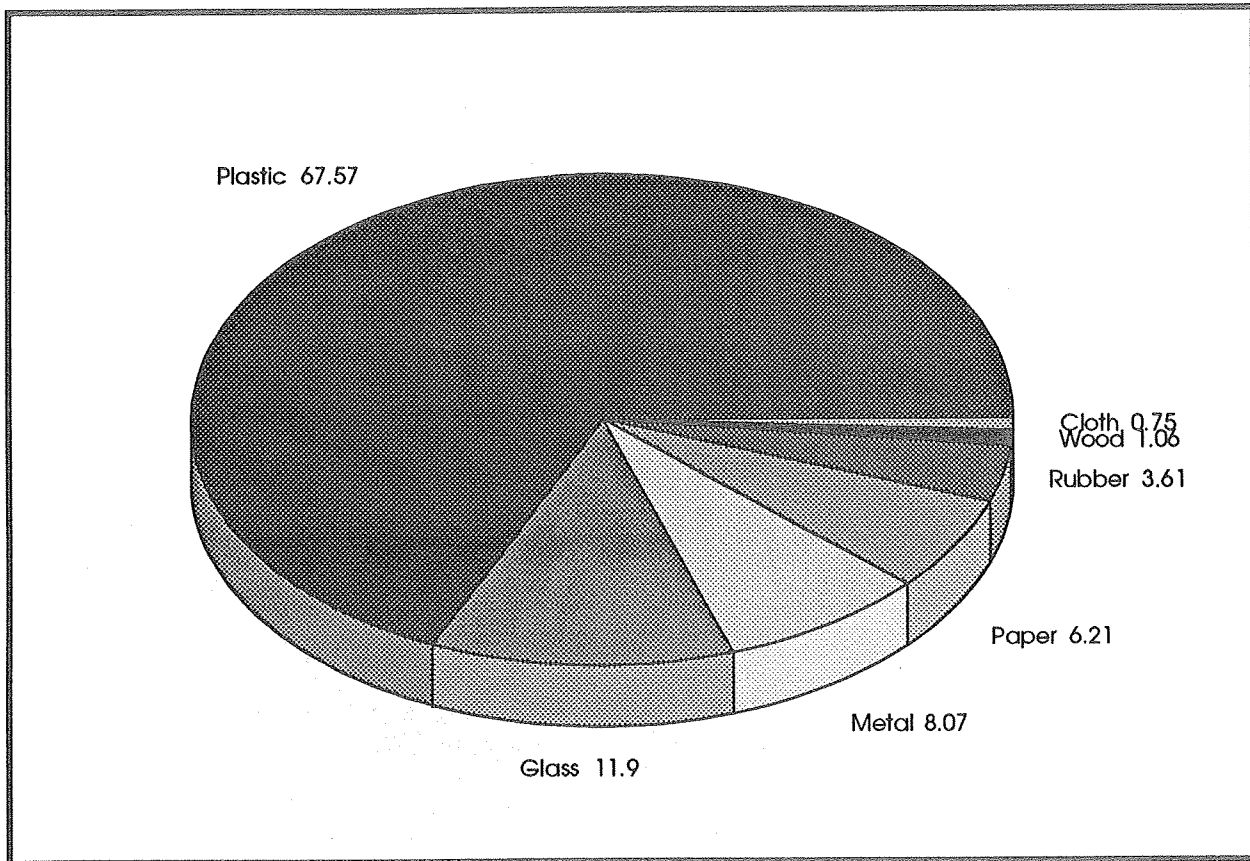
When fall rolled around our captains were exhausted and busy. The school year had started just weeks before the international cleanup date and despite early notification and encouragement teachers had some difficulty to get a field trip organized in such a short period of time.

Despite all the difficulties there were 797 volunteers on 47 beaches around the province between the beginning of October and the end of November. They "sacked" 83,000 pieces of garbage found along 60 km. (36 miles) of beach.

On Deer Island and in Chance Harbour the beach cleanup continued throughout the year and was made possible by Environment Canada's Environmental Partners Fund. Ongoing projects seem to be becoming more popular throughout the region providing enhanced data sets which can be used to monitor beach debris more effectively. This year for the first time many of the small islands off of Deer Island and Campobello were cleaned.

The Huntsman Marine Science Centre has now compiled the data from the last four years and will use it to monitor the effectiveness of a provincial "Beverage Container Act" which has been implemented to control the disposal of beverage containers. In addition the HMSC is working throughout the Gulf of Maine region (Mass., N.H., Maine, N.B., and Nova Scotia) to produce a regional picture of marine debris. We are beginning to see results. We hope the trend continues!

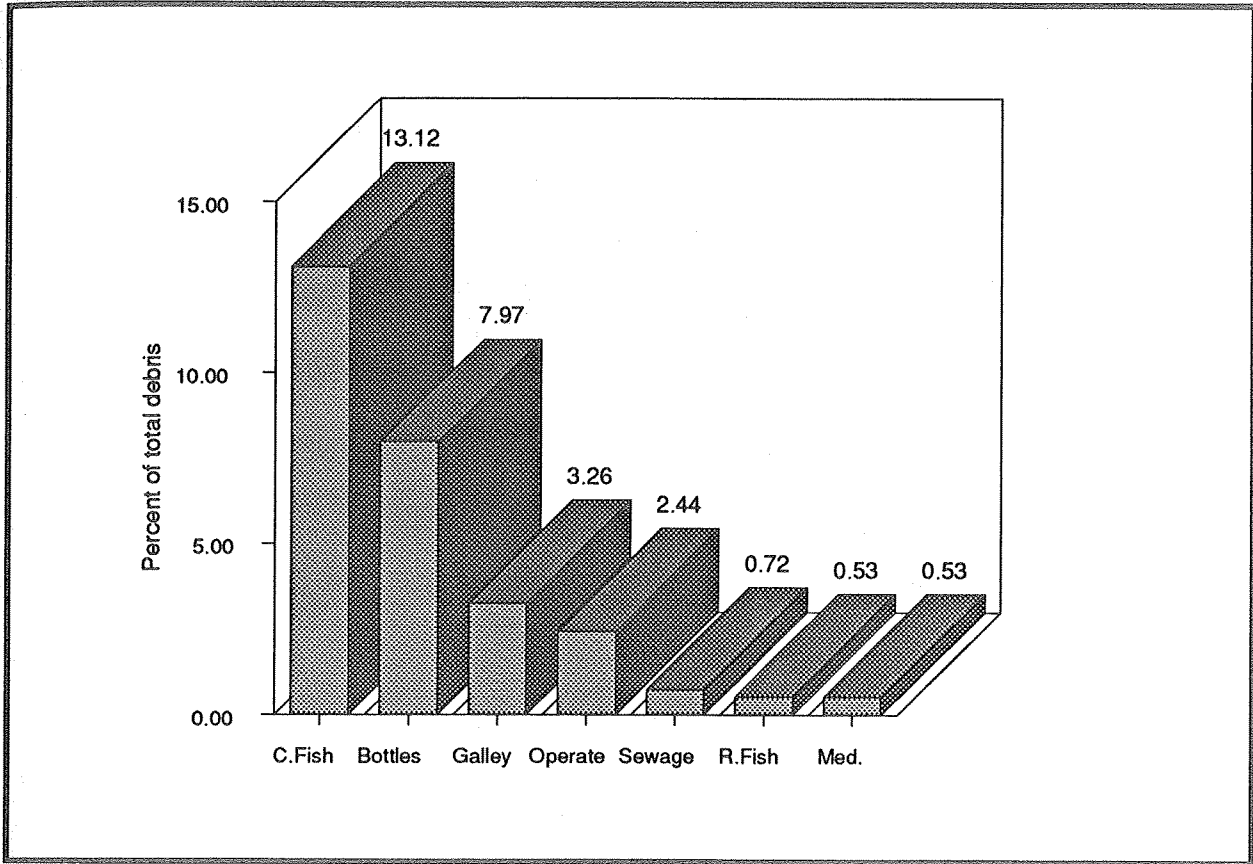
PERCENT COMPOSITION OF NEW BRUNSWICK'S BEACH DEBRIS:



NEW BRUNSWICK'S 1992 DIRTY DOZEN:

	Total Number Reported	Percent of Total Debris Collected
1. Plastic rope	10,121	9.31
2. Plastic pieces	9,955	9.16
3. Foamed plastic pieces	9,473	8.71
4. Glass pieces	8,814	8.11
5. Cigarette butts	6,010	5.53
6. Plastic caps and lids	4,667	4.29
7. Plastic food bags	3,688	3.39
8. Paper pieces	2,963	2.73
9. Glass beverage bottles	2,664	2.45
10. Foamed plastic cups	2,532	2.33
11. Metal bottle caps	2,387	2.20
12. Plastic beverage bottles	1,943	1.79
Total	65,217	60.00

MAJOR TYPES AND SOURCES OF NEW BRUNSWICK'S BEACH DEBRIS:



MAJOR CHARACTERISTICS OF DEBRIS IN EACH ZONE:

Zone Name	Percent Plastic	Most Prevalent Debris Item Reported
Campobello	68.70	Plastic caps and lids
Blacks Harbour	60.78	Glass beverage bottles
Saint John	64.49	Plastic rope
Alma	31.66	Glass pieces
Bathurst	61.97	Cigarette butts
Albert	83.85	Foamed plastic pieces

TRACEABLE DEBRIS REPORTED:

Location	Source	Source Indicated
Saint John	plastic band	Lantic Sugar

FOREIGN DEBRIS ITEMS REPORTED:

None

ENTANGLED WILDLIFE REPORTED:

None

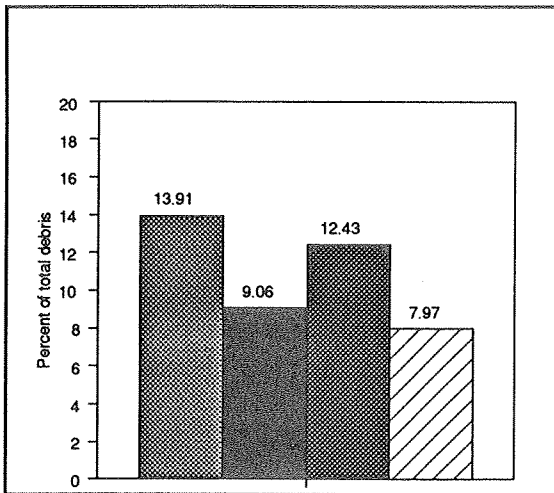
MOST PECULIAR DEBRIS ITEMS REPORTED:

Campobello
Saint John
Albert

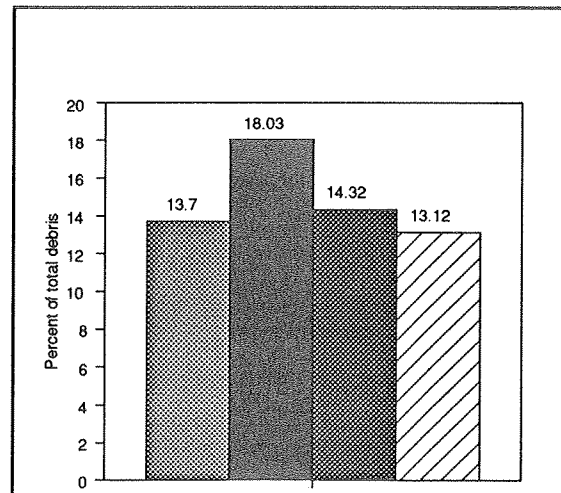
Gallon of HCL Concentrated muriatic acid
three socks, plastic painter suit, Datsun steering wheel and column
fork, deer license, toilet bowl float

**TRENDS IN MAJOR TYPES AND SOURCES
OF NEW BRUNSWICK'S BEACH DEBRIS**

Trends in Bottles & Assoc. Goods



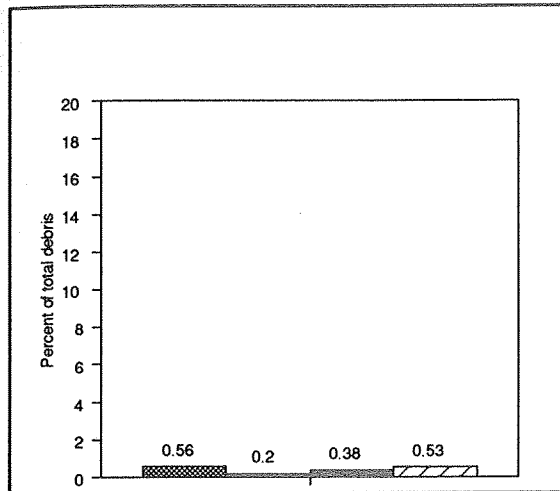
Trends in Comm. Fishing Gear



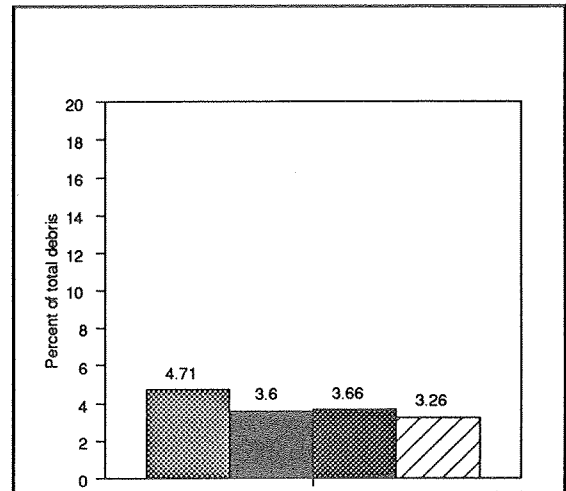
1988 1989 1990 1991 1992

TRENDS IN MAJOR TYPES AND SOURCES OF NEW BRUNSWICK'S BEACH DEBRIS (Cont.)

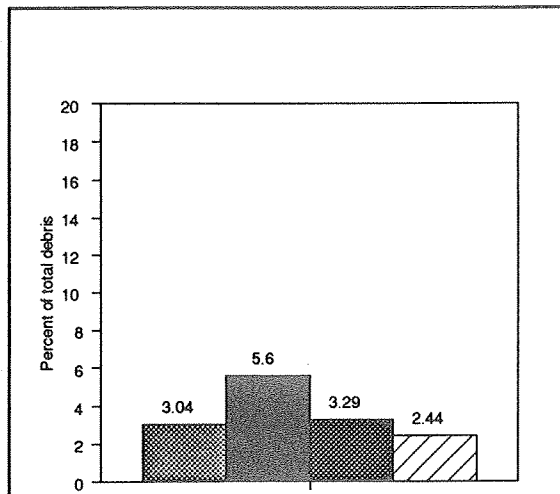
Trends in Rec. Fishing Gear



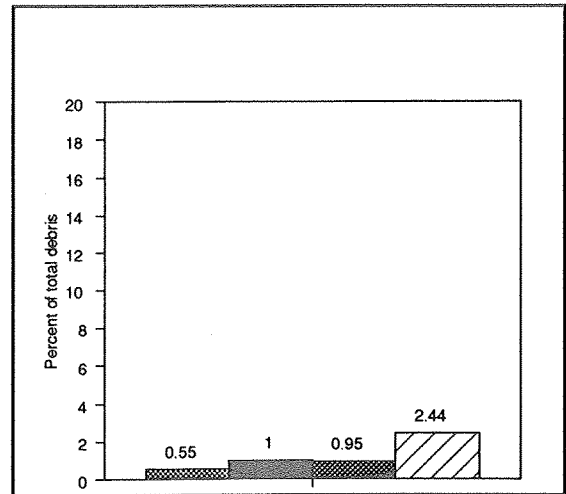
Trends in Galley Waste



Trends in Operational Waste



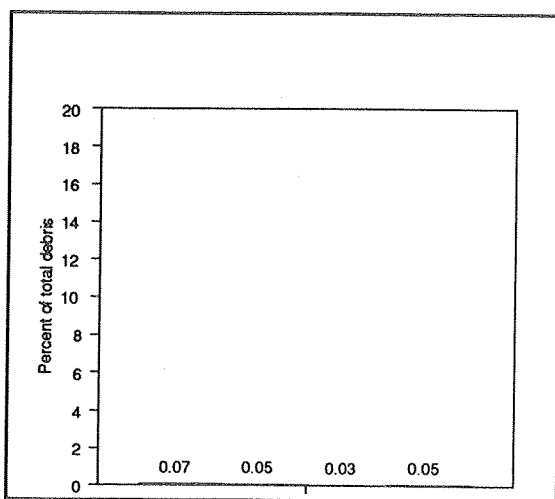
Trends in Sewage Waste



1988
 1989
 1990
 1991
 1992

TRENDS IN MAJOR TYPES AND SOURCES
OF NEW BRUNSWICK'S BEACH DEBRIS:(cont.)

Trends in Medical Waste



1988 1989 1990 1991 1992

FOR INFORMATION ON NEW BRUNSWICK'S 1993
COASTAL CLEANUP CONTACT:

Jamie Steele
Huntsman Marine Science Center
Brandy Cove Road
St. Andrews, New Brunswick
Canada E0G 2X0
(506)529-8895

CLEANUP DATE: Contact Coordinator



Derek Oland, President of Moosehead Breweries Limited, helps Foundation staff analyze the marine debris collected on McNabs Island during the 1992 Moosehead-Clean Nova Scotia Beach Sweep.

CANADA (NOVA SCOTIA)



COASTWEEKS
1,154 Volunteers
43 Miles Cleaned
9,738 Pounds of Debris Collected
213 Data Cards

Coordinated by: Randy Miller
The Clean Nova Scotia Foundation
P.O. Box 2528, Station "M"
Halifax, Nova Scotia
Canada B3J 3N5
(902)424-5245

Marine debris continues to affect the environmental quality of the waters of Nova Scotia. In September 1992, during the fall Beach Sweep program, volunteers collected over 1,100 bags of marine trash from approximately 40 miles of Nova Scotian coastline. Combined with collection results from last spring's clean-up program, Nova Scotians gathered an estimated 20 tons of marine debris and beach litter from our beaches in 1992.

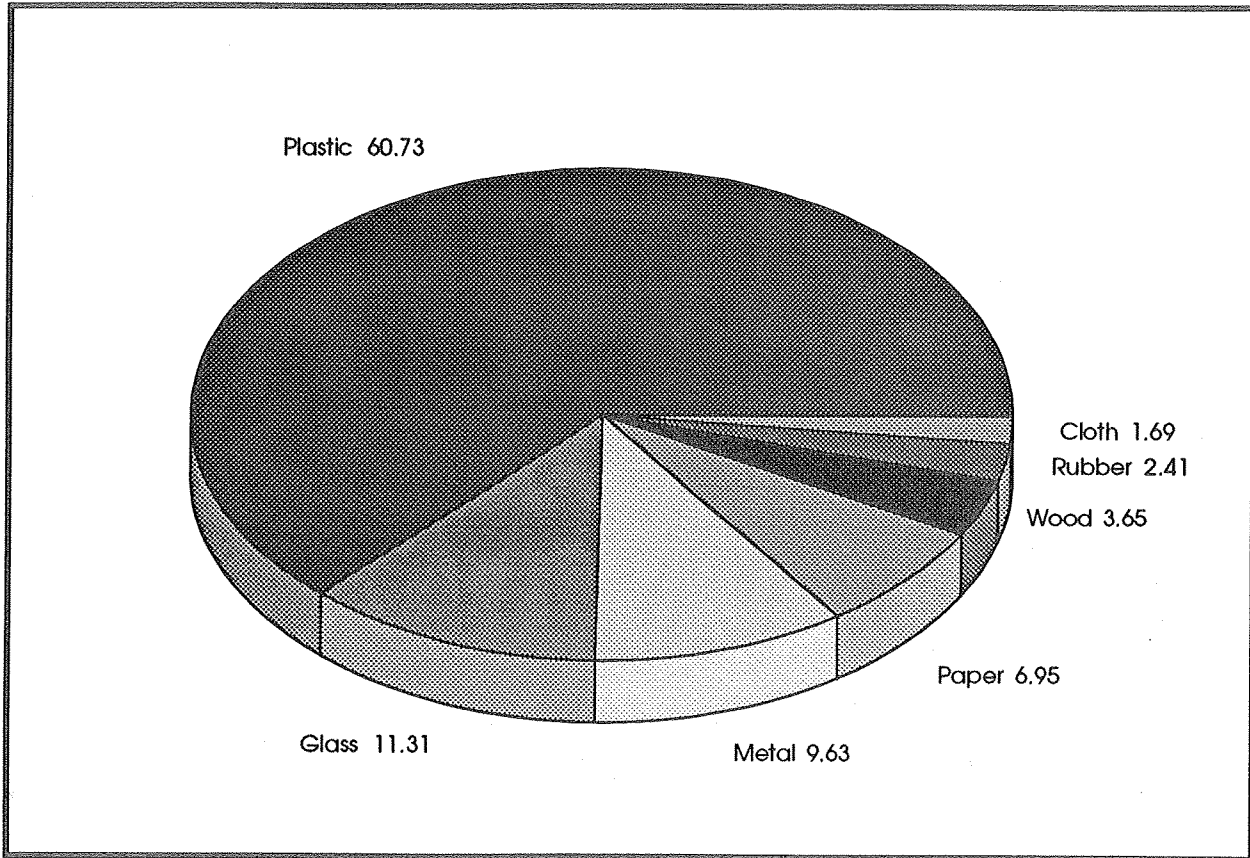
Sponsored by Moosehead Breweries Limited, the Beach Sweep program provides volunteers with the practical materials to organize a fun and rewarding shoreline cleanup. This fall organizational guides, sample media releases, posters, garbage bags, data collection cards, pencils, and rubber gloves were provided to approximately 3,000 participants at 84 cleanup locations.

Marine debris and beach litter statistics show little change from previous reports. Plastic items (assorted plastics and polystyrene foam combined) accounted for the majority of debris representing 60% of the total garbage collected. The Foundation will continue to use this data to inform the various generators of marine debris of the role they can play to reduce the damage on our marine environment.

Many thanks to our sponsor, Moosehead Breweries Limited, our local cleanup coordinators and the many volunteer participants from across the province.

Randy Miller

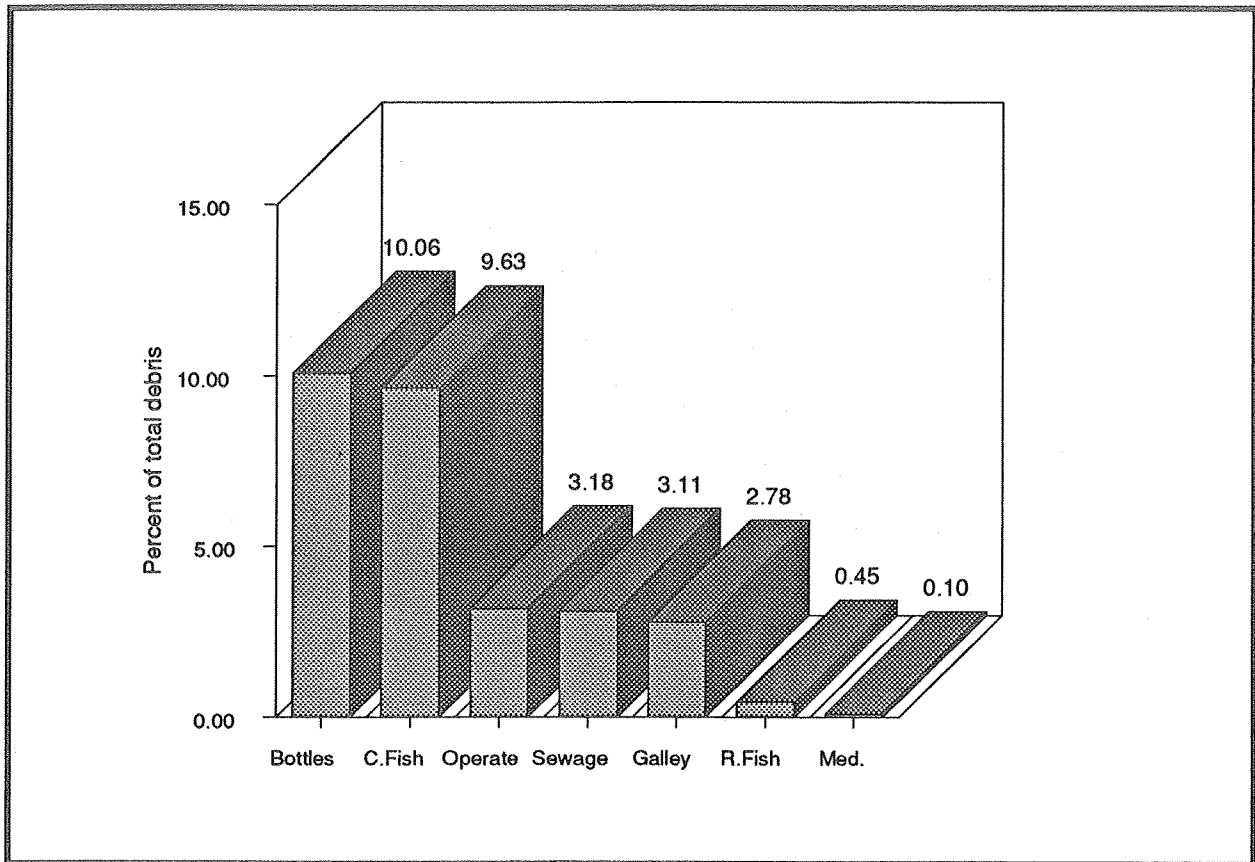
PERCENT COMPOSITION OF NOVA SCOTIA'S BEACH DEBRIS:



NOVA SCOTIA'S 1992 DIRTY DOZEN

	Total Number Reported	Percent of Total Debris Collected
1. Plastic pieces	4,586	9.51
2. Cigarette butts	4,462	9.25
3. Glass pieces	3,679	7.63
4. Plastic rope	3,539	7.34
5. Foamed plastic pieces	2,370	4.91
6. Plastic caps and lids	1,635	3.39
7. Plastic food bags	1,621	3.36
8. Paper pieces	1,422	2.95
9. Tampon applicators	1,358	2.82
10. Lumber	1,269	2.63
11. Metal bottle caps	1,180	2.45
12. Metal beverage cans	1,147	2.38
Total	28,268	58.60

MAJOR TYPES AND SOURCES OF NOVA SCOTIA'S BEACH DEBRIS:



MAJOR CHARACTERISTICS OF DEBRIS IN EACH ZONE:

Zone Name	Percent plastic	Most Prevalent Debris Item Reported
Annapolis County	65.67	Glass pieces
Antigonish County	64.00	Plastic rope
Cape Breton County	54.50	Plastic pieces
Digby County	49.33	Glass pieces
Guysborough County	55.19	Foamed plastic pieces
Halifax County	62.92	Cigarette butts
Inverness County	42.52	Glass pieces
Kings County	89.03	Plastic pieces
Lunenburg County	50.95	Plastic pieces
Queens County	61.64	Cigarette butts
Shelburne County	53.51	Plastic rope

TRACEABLE DEBRIS ITEMS REPORTED:

Location	Debris Item	Source Indicated
Halifax County	juice pack	United Arab Emirate
Kings County	plastic label	US Marines
Shelburne County	LOB S-F lobster tag	Canada

FOREIGN DEBRIS ITEMS REPORTED:

None reported

ENTANGLED WILDLIFE REPORTED:

Dead seagull with a hook in its throat
Seagull with shoe lace around neck
Mole with head in a plastic bag

MOST PECULIAR DEBRIS ITEMS REPORTED:

Antigonish County	sneaker, blanket, lobster trap
Cape Breton County	rubber tenting, wet suit, hose, hockey stick, record player
Digby County	two TV sets
Halifax County	"Barbie" dolls, transmission, gas tank, boot, propane tank
Kings County	shoe, can of snuff, old boat
Shelburne County	toilet, refrigerator, plaster

**FOR MORE INFORMATION ON NOVA SCOTIA'S
1993 COASTAL CLEANUP CONTACT:**

Randy Miller
The Clean Nova Scotia Foundation
P.O. Box 2528, Station "M"
Halifax, Nova Scotia
Canada B3J 3N5
(902)424-5245

CLEANUP DATE: Contact Coordinator

CUBA

COASTWEEKS

54 Volunteers

2 Miles Cleaned

3,300 Pounds of Debris Collected

Coordinated by: Rafael Quinones Lic.

Museo Nacional de Historia Natural

Capitalio Nacional

Ciudad de la Habana, Cuba

(537) 62-0353/ 63-2589

1992 marked Cuba's second year as a participating nation in the International Coastal Cleanup. Under the direction of the National Museum of Natural History in Havana, ichthyologist Rafael Quinones rallied 54 volunteers who covered two miles of Cuba's coastline, collecting 3,300 pounds of garbage.

Cuba, the largest of the Caribbean islands (approximately the size of the U.S. state of Pennsylvania), is a unique case study in the Caribbean in terms of the marine debris that washes up on its coast. Because Cuba has a very extensive and strict country-wide recycling program in place, relatively little solid waste is generated on land. Therefore, unlike all other Caribbean islands, the majority of marine debris found on Cuba's beaches is dumped by ocean going vessels as opposed to coming from land based sources. Experts estimate that 90 percent of marine debris found on Cuba's remote north-central coast is from ship traffic in the Florida strait. Such traffic includes foreign commercial shipping vessels and cruise liners among other vessels.

Unfortunately, Cuba's 1992 data cards were lost in transit. But plans are in place for the 1993 International Coastal Cleanup and the data collected by volunteers promises to be critical in tracking the problem of ocean-based marine debris in the Caribbean region.

Julie Glen

CYPRUS

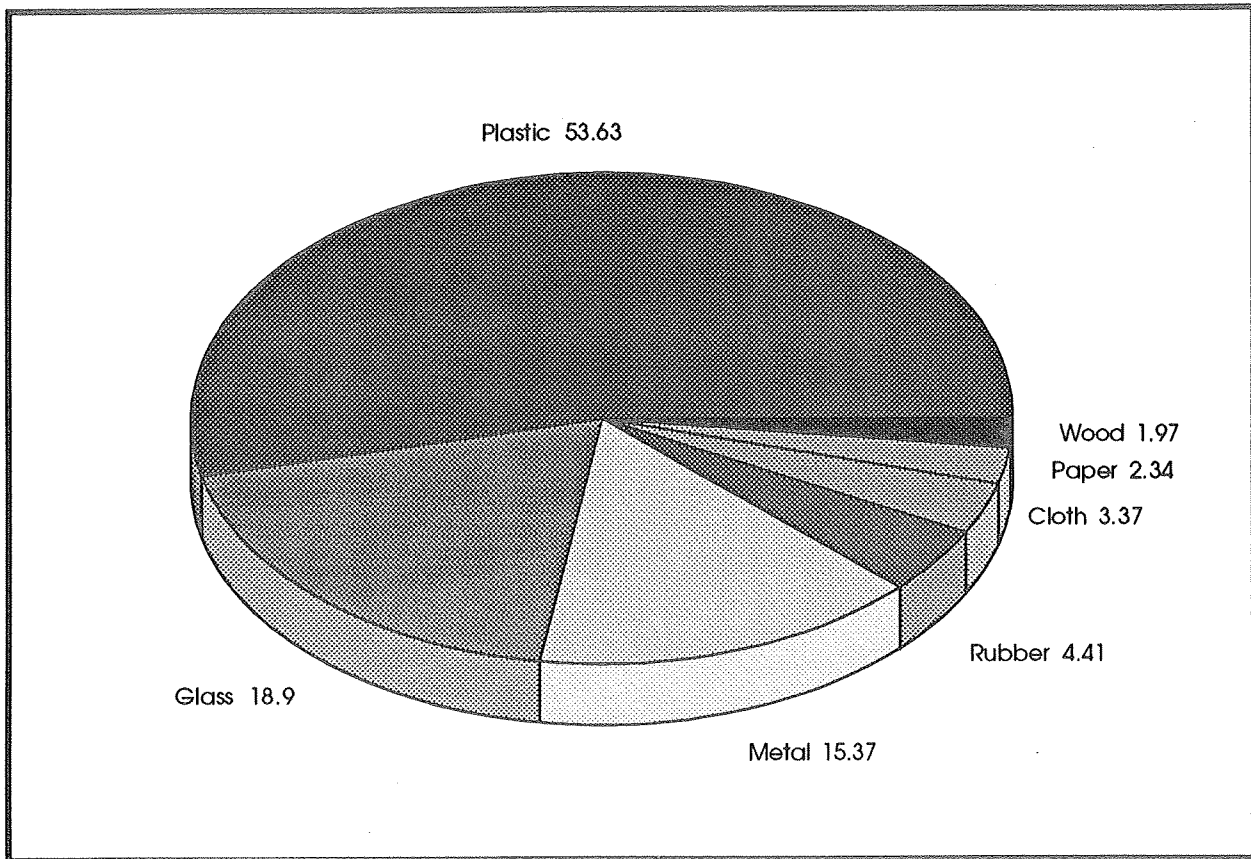
September 20, 1992
118 Volunteers
2 Miles Cleaned
4,800 Pounds of Debris Collected
3 Data Cards

Coordinated by: Andreas D. Demetropoulos
National Coordinator for MED POL
Director, Fisheries Department
Ministry of Agriculture and Natural Resources
Aeolou 13
Nicosia, Cyprus
011-357-2-303-279

For the second year in a row, the Cyprus Coastal Cleanup was coordinated by the Ministry of Agriculture and Natural Resources' Department of Fisheries located in the capital city of Nicosia. The event brought 118 volunteers to clean and collect data along two miles of coast. The "trash take" for the day totaled 4,800 pounds.

Beach cleanups were organized in three different areas along Cyprus' coast. Volunteers were divided into three groups and set out to clean the beaches of Toxeftra, Lara, and Lava, all of which are located near the city of Paphos.

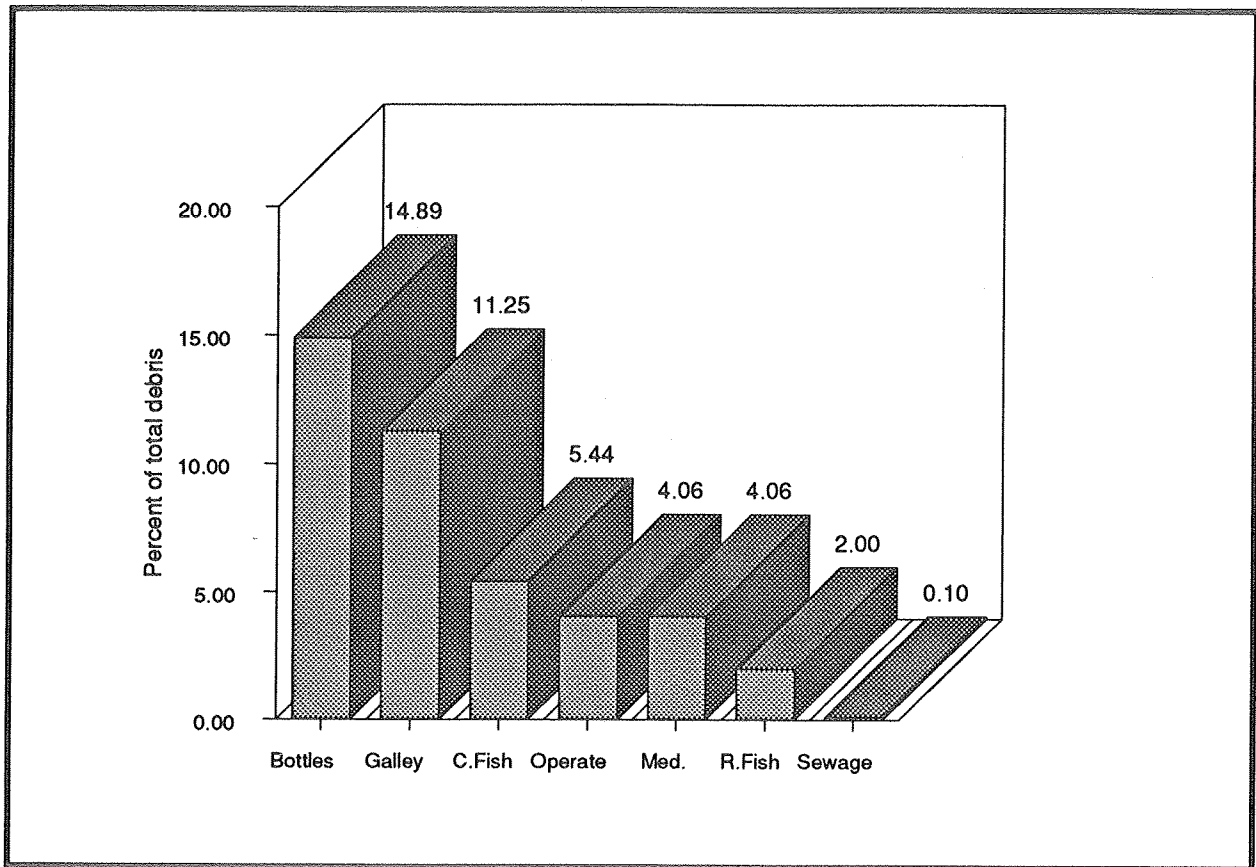
PERCENT COMPOSITION OF CYPRUS' BEACH DEBRIS:



CYPRUS' 1992 DIRTY DOZEN:

	Total Number Reported	Percent of Total Debris Collected
1. Foamed plastic pieces	125	6.42
2. Metal beverage cans	107	5.50
3. Glass pieces	106	5.44
4. Plastic bleach bottles	94	4.83
5. Plastic gallon bottles	81	4.16
6. Syringes	79	4.06
7. Metal aerosol cans	78	4.01
8. Miscellaneous plastic cans	74	3.80
9. Cigarette lighters	72	3.70
10. Plastic food bags	69	3.54
11. Clothing	65	3.34
12. Plastic cups and utensils	53	2.72
Total	1,003	51.52

MAJOR TYPES AND SOURCES OF CYPRUS' BEACH DEBRIS:



MAJOR CHARACTERISTICS OF DEBRIS IN EACH ZONE:

Zone Name	Percent Plastic	Most Prevalent Debris Item Reported
Toxeftra	34.52	Metal beverage cans
Lara Beach, East	42.68	Plastic food bags
Lara Beach, West	67.82	Glass pieces

TRACEABLE DEBRIS REPORTED:

None

FOREIGN DEBRIS ITEMS REPORTED:

None

STRANDED AND/OR ENTANGLED WILDLIFE REPORTED:

None

MOST PECULIAR DEBRIS ITEMS REPORTED:

Lara Beach, East	car bumper, syringes
Lara Beach, West	syringes, condoms

FOR INFORMATION ON CYPRUS' 1993 COASTAL CLEANUP CONTACT:

Andreas Demetropoulos
National Coordinator for MEDPOL
Fisheries Department
Ministry of Agriculture and Natural Resources
Aeolou 13
Nicosia, Cyprus
(357) 2-303-279

CLEANUP DATE: Contact Coordinator

DENMARK

COASTWEEKS

89 Volunteers

1 Mile Cleaned

600 Pounds of Debris Collected

46 Data Cards

Coordinated by: Harald Blikra

PADI Norway

Waldemar Thranesgt

84 B, 0175

Oslo, Norway

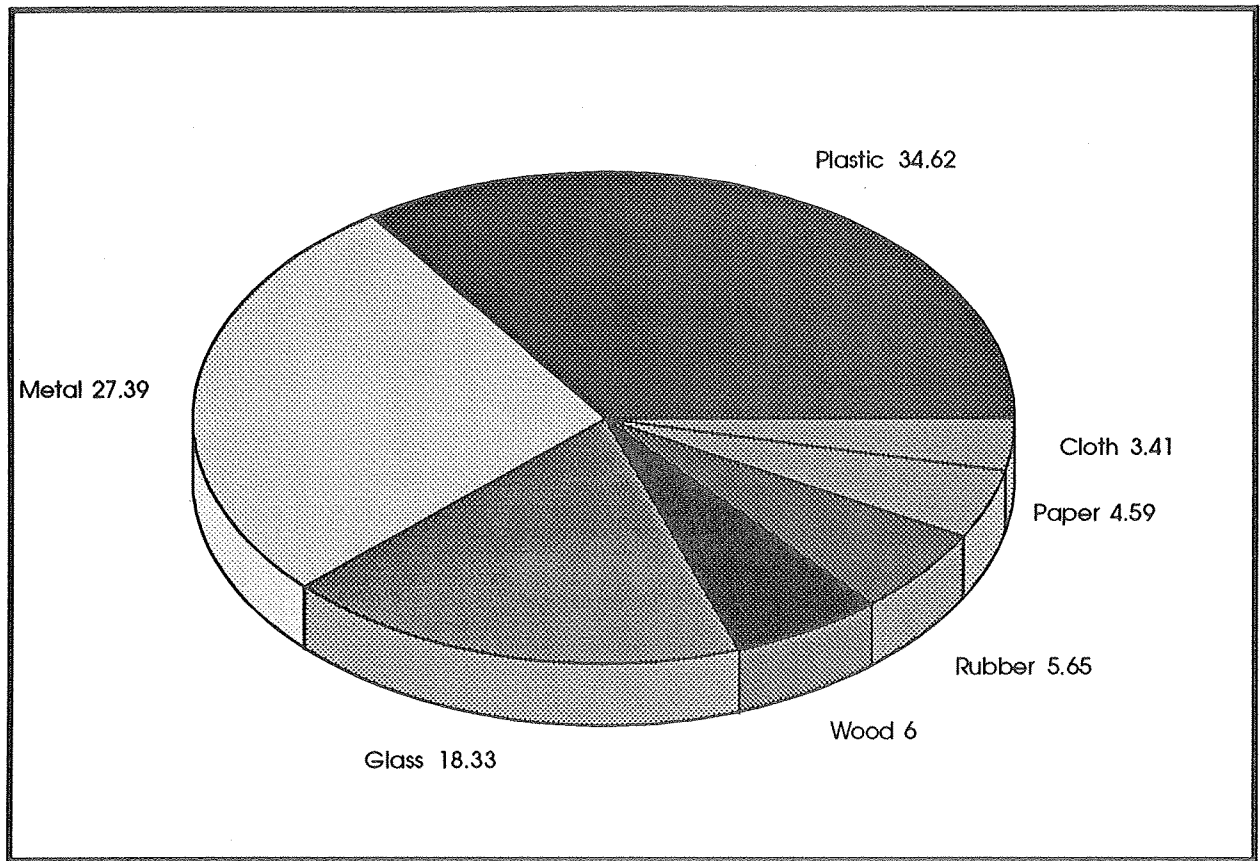
(47) 2-38-0259

When volunteers in Norway first joined the International Coastal Cleanup in 1991, who knew that the project would spread throughout the entire Scandinavian community within a year! On September 19, 1992, individuals in Denmark, Finland, and Sweden in addition to individuals in Norway joined together to clean several underwater and beach areas.

We know of at least four television stations that have covered the happening in Scandinavia. In Finland, McDonalds was one of the main sponsors, feeding the cleaners. In Norway, some big batteries were collected from the underwater world. These were dumped by our Coast Guard many years ago. They promised in the news that this kind of dumping had stopped many years ago. The title "Trash Hero of Scandinavia" was won by Alan Woods and Lars Johnsen from Hobro, Denmark. Together they collected 13,148 items in two days.

Harald Blikra

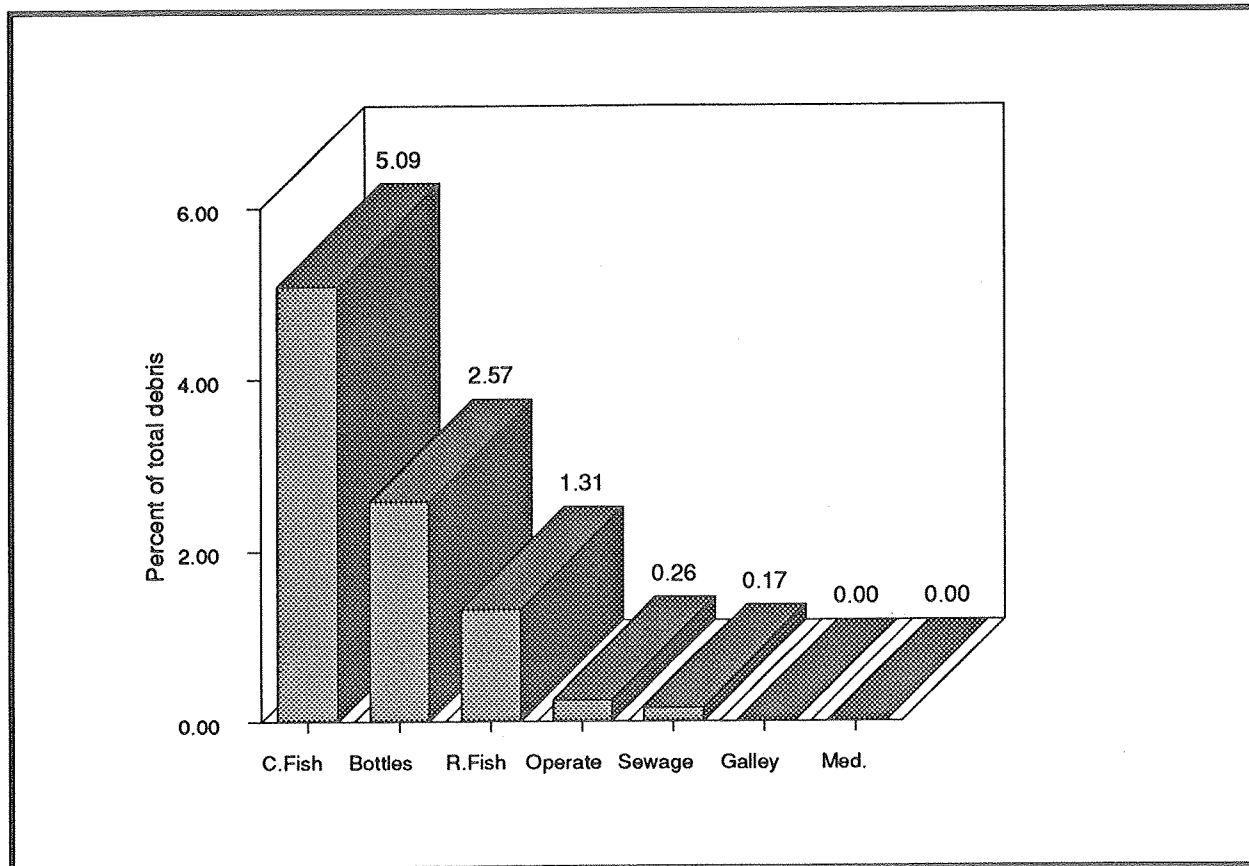
PERCENT COMPOSITION OF DENMARK'S BEACH DEBRIS:



DENMARK'S 1992 DIRTY DOZEN:

	Total Number Reported	Percent of Total Debris Items Reported
1. Miscellaneous glass bottles	311	8.85
2. Metal pieces	253	7.20
3. Plastic cups and utensils	227	6.46
4. Glass pieces	155	4.41
5. Miscellaneous metal cans	154	4.38
6. Miscellaneous plastic bottles	139	3.95
7. Plastic pieces	126	3.58
8. Clothing	119	3.39
9. Plastic rope	110	3.13
10. Lumber	91	2.59
11. Plastic food bags	90	2.56
12. Paper pieces	85	2.42
Total	1,860	52.92

MAJOR TYPES AND SOURCES OF DENMARK'S BEACH DEBRIS:



MAJOR CHARACTERISTICS OF DEBRIS FOR EACH ZONE:

Data was only collected for one zone in Denmark.

TRACEABLE DEBRIS REPORTED:

None

FOREIGN DEBRIS REPORTED:

None

MOST PECULIAR DEBRIS ITEMS REPORTED:

None

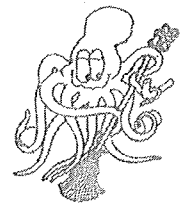
FOR INFORMATION ON DENMARK'S 1993 COASTAL CLEANUP CONTACT:

Harald Bilkra
PADI Norway
Waldemar Thranesgt
84 B, 0175
Oslo, Norway
(47) 2-38-0259

CLEANUP DATE: Contact Coordinator



Volunteers in the Dominican Republic record their finds.



DOMINICAN REPUBLIC

September 19, 1992
262 Volunteers
1 Mile Cleaned
8,713 Pounds of Debris Collected
118 Data Cards

Coordinated by: Miguel Silva
CEBSE
Apartado 132, Samana
Republica Dominicana
(809)538-2042

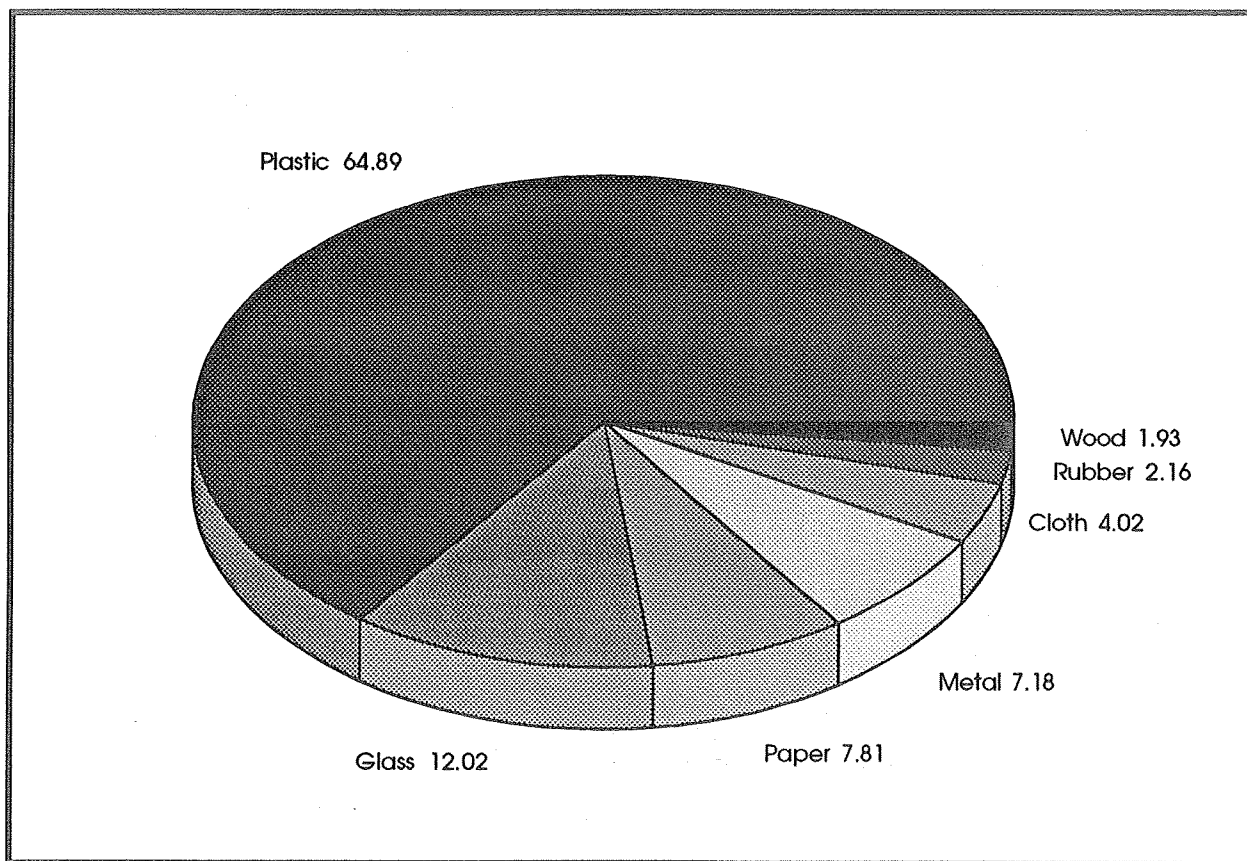
A small miracle occurred in Samana on September 19 when 262 Dominicans, rich and poor, young and old, worked side-by-side in the Dominican Republic's first annual beach cleanup (no local Dominican can recall this sort of community unity in Samana since the Dominican Republic's war of independence from Spain in 1863). These volunteers cleaned up 2.5 kilometers of beach and collected 4.3 tons of trash. Many local businesses, small and large, donated plastic bags and trucks, and Dole even donated a whole truckload of pineapples for the enjoyment of beach cleanup volunteers.

The beach cleanup was coordinated by the Samana-based non-profit organization, CEBSE (Center for the Conservation and Eco-Development of Samana Bay and its Surroundings). CEBSE and CMC staff member Jennifer McCann worked with members of the community to organize the event. Pre-cleanup activities included national television and radio interviews and several talks to different sectors of the community explaining the beach cleanup and problems with marine debris.

Local doctors volunteered their time to care for any injuries that might have occurred during the cleanup, while directors of local schools volunteered both their students and their own time. Food and soda vendors on the famous tourist island Cayo Levantado, in Samana Bay, even demanded to participate so they would not be left out of this international event.

Miguel Silva

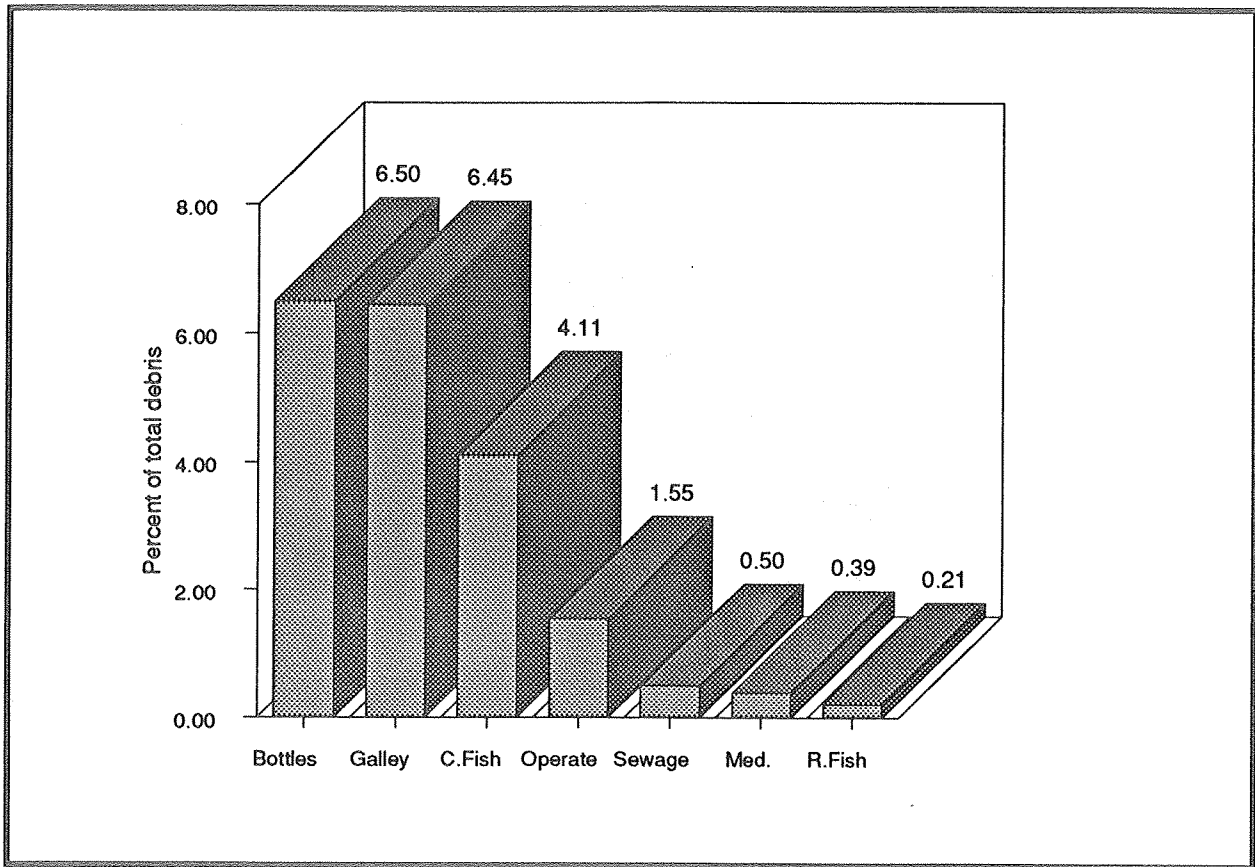
PERCENT COMPOSITION OF DOMINICAN REPUBLIC'S BEACH DEBRIS



DOMINICAN REPUBLIC'S 1992 DIRTY DOZEN:

	Total Number Reported	Percent of Total Debris Collected
1. Plastic cups and utensils	1,570	7.52
2. Plastic pieces	1,388	6.64
3. Foamed plastic pieces	1,220	5.84
4. Glass pieces	1,212	5.80
5. Plastic straws	1,059	5.07
6. Plastic caps and lids	848	4.06
7. Clothing	810	3.88
8. Cigarette butts	753	3.60
9. Plastic trash bags	686	3.28
10. Foamed plastic plates	514	2.46
11. Miscellaneous glass bottles	436	2.09
12. Foamed plastic cups	432	2.07
Total	10,928	52.32

MAJOR TYPES AND SOURCES OF DOMINICAN REPUBLIC'S BEACH DEBRIS



MAJOR CHARACTERISTICS OF DEBRIS IN EACH ZONE:

Zone Name	Percent Plastic	Most Prevalent Debris Item Reported
Los Corozos	81.79	Plastic pieces
Las Pascualas	74.16	Foamed plastic pieces
El Male con	66.18	Plastic cups/utensils
Anadel	81.80	Foamed plastic pieces
Villa Clara	52.72	Glass pieces
Cayo Levantado	57.31	Plastic cups/utensils

TRACEABLE DEBRIS REPORTED:

None

FOREIGN DEBRIS REPORTED:

None

ENTANGLED WILDLIFE REPORTED:

None

MOST PECULIAR DEBRIS ITEMS REPORTED:

None

FOR INFORMATION ON DOMINICAN REPUBLIC'S 1993 COASTAL CLEANUP CONTACT:

Miguel Silva / Samana Bay Community
Apartado 132
Samana, Dominican republic
(809) 538-2042

CLEANUP DATE: Contact Coordinator



Marine Conservation Society volunteers setting off to clear Saunton Sands, North Devon, England.

ENGLAND



September 19, 1992
35 Volunteers
5 Miles Cleaned
2,100 Pounds of Debris Collected
17 Data Cards

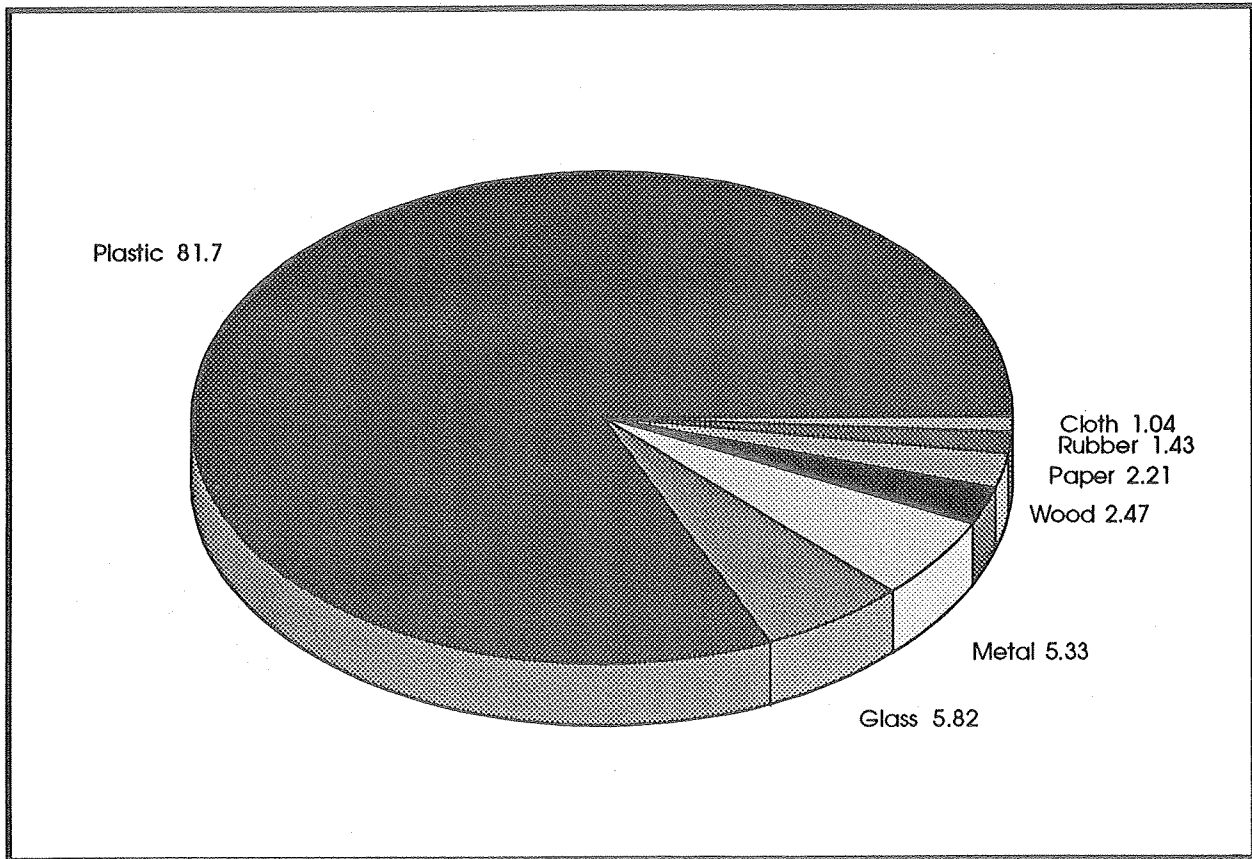
Coordinated by: Bill Foster
North Devon Environmental Trust
Braunton Countryside Centre,
Kaen Field Car Park
Braunton, Devon EX33 1AA
England
011-44-0271-816957

North Devon was again the main focus for England's contribution to the International Coastal Cleanup. Thirty-five volunteers cleared over 2,100 pounds from five miles of coastline. Plastics again formed the bulk of the debris.

The 1993 cleanup promises to be on a much larger scale. The Marine Conservation Society is to coordinate a national beach clean all around the UK as part of their Ocean Vigil campaign. So watch this space!

Bill Foster

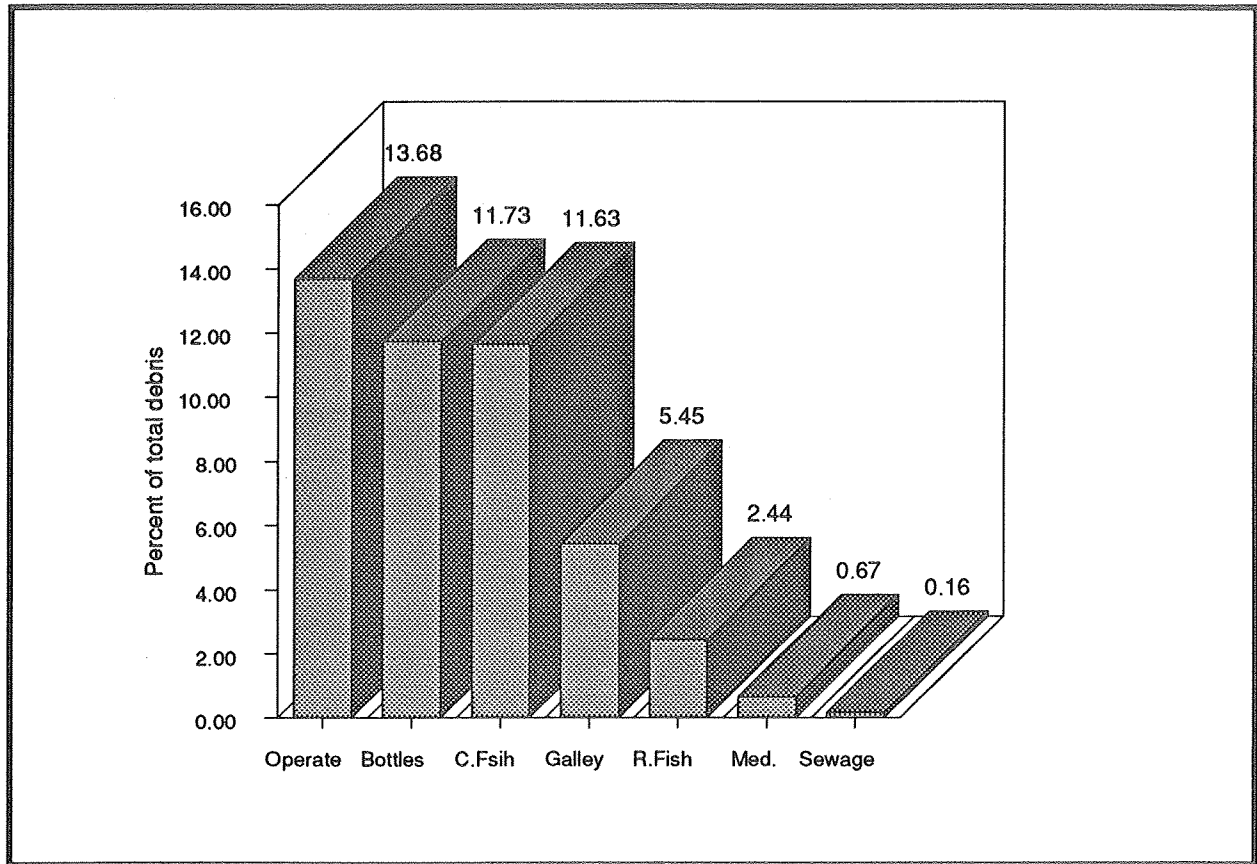
PERCENT COMPOSITION OF ENGLAND'S BEACH DEBRIS:



ENGLAND'S 1992 DIRTY DOZEN:

	Total Number Reported	Percent of Total Debris Collected
1. Plastic strapping bands	530	10.78
2. Plastic food bags	399	8.11
3. Plastic rope	295	6.00
4. Plastic caps and lids	266	5.41
5. Plastic beverage bottles	255	5.19
6. Plastic pieces	253	5.14
7. Plastic fishing nets	199	4.05
8. Miscellaneous plastic bags	163	3.31
9. Short pieces of plastic sheeting	132	2.68
10. Metal beverage cans	121	2.46
11. Foamed plastic pieces	117	2.40
12. Miscellaneous plastic bottles	107	2.18
Total	2,837	57.69

MAJOR TYPES AND SOURCES OF ENGLAND'S BEACH DEBRIS:



MAJOR CHARACTERISTICS OF DEBRIS IN EACH ZONE:

Data was collected from only one zone in Sauton, England.

TRACEABLE DEBRIS REPORTED:

None

FOREIGN DEBRIS ITEMS REPORTED:

Location	Source	Type of Debris
Saunton	Spain	medicine bottle

ENTANGLED WILDLIFE REPORTED:

None

MOST PECULIAR DEBRIS ITEMS REPORTED:

Saunton car battery, dummy, toothbrush, mask, door from washing machine

FOR INFORMATION ON ENGLAND'S 1993 COASTAL CLEANUP CONTACT:

Bill Foster
North Devon Environmental Trust
Braunton Countryside Centre, Kaen Field Car Park
Braunton, Devon EX33 1AA
England
01-44-0271-816957

CLEANUP DATE: Contact Coordinator

FINLAND

COASTWEEKS

75 Volunteers

1 Mile Cleaned

600 Pounds of Debris Collected

47 Data Cards

Coordinated by: Harald Bilkra

PADI Norway

Waldemar Thranesgt

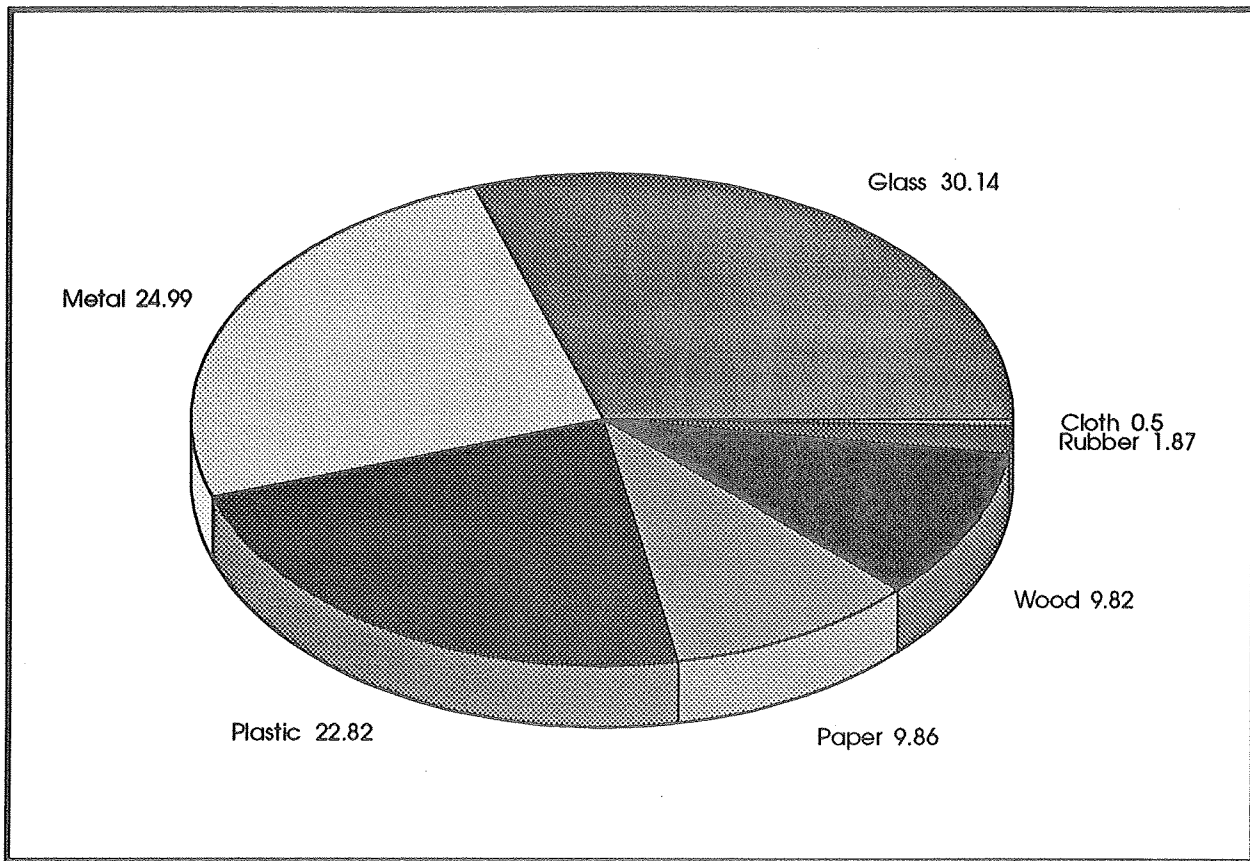
84 B, 0175

Oslo, Norway

(47) 2-38-0259

See description for Denmark.

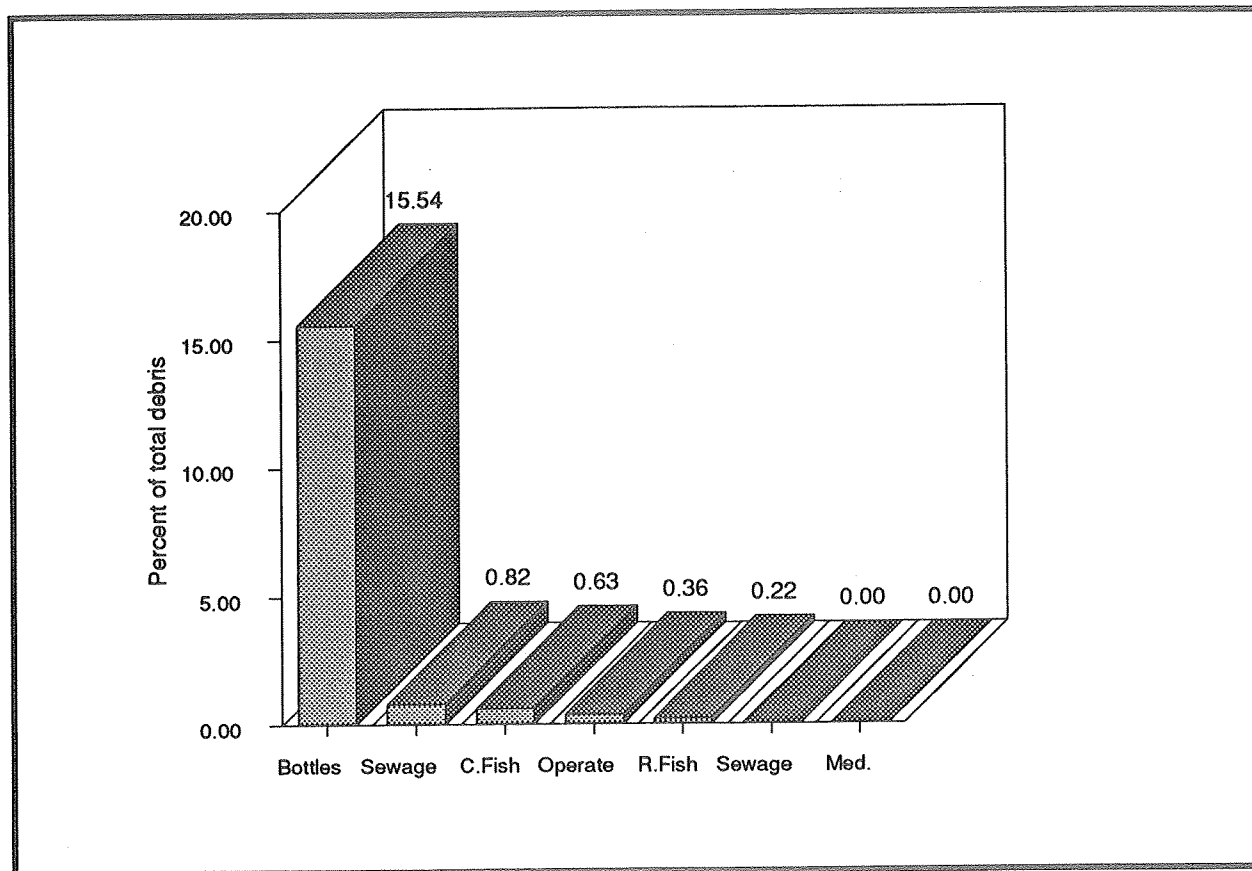
PERCENT COMPOSITION OF FINLAND'S BEACH DEBRIS:



FINLAND'S 1992 DIRTY DOZEN:

	Total Number Reported	Percent of Total Debris Collected
1. Miscellaneous glass bottles	421	13.32
2. Metal bottle caps	419	13.26
3. Glass pieces	405	12.82
4. Cigarette butts	167	5.28
5. Metal cans	140	4.43
6. Lumber	125	3.96
7. Paper cartons	123	3.89
8. Plastic food bags and pieces	117	3.70
9. Plastic cups and utensils	97	3.07
10. Paper pieces	72	2.28
11. Miscellaneous plastic bottles	70	2.22
12. Metal pull tabs	66	2.09
Total	2,339	74.02

MAJOR TYPES AND SOURCES OF FINLAND'S BEACH DEBRIS:



MAJOR CHARACTERISTICS OF DEBRIS IN EACH ZONE:

Data was collected from only one zone in Finland.

TRACEABLE DEBRIS REPORTED:

None

FOREIGN DEBRIS ITEMS REPORTED:

None

ENTANGLED WILDLIFE REPORTED:

None

MOST PECULIAR DEBRIS ITEMS REPORTED:

None

FOR INFORMATION ON FINLAND'S 1993 COASTAL CLEANUP CONTACT:

Harald Bilkra
PADI Norway
Waldemar Thranesgt
84 B, 0175
Oslo, Norway
(47) 2-38-0259

CLEANUP DATE: Contact Coordinator



Volunteers in Greece get ready to sign in.

GREECE



September 19, 1992
5,451 Volunteers
159 Miles Cleaned
106,040 Pounds of Debris Collected

Coordinated by: Dimitri Mitsasos
Director General/HELMPEPA
5 Pergamou Street
Nea Smyrni
171 21 Athens, Greece
011-30-1-934-3088

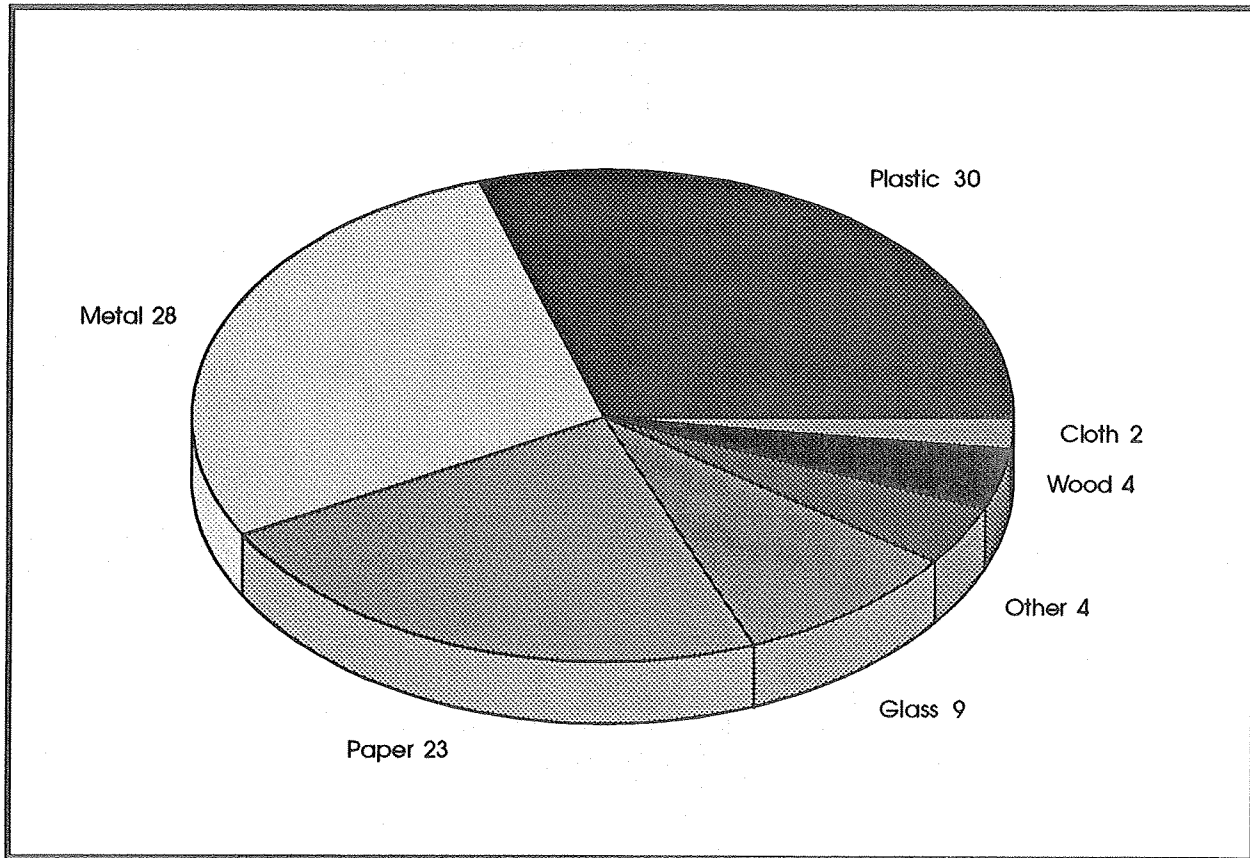
The response to HELMEPA's call for participation in the Cleanup of September 19, 1992 was much wider compared to that of 1991; 6 municipalities, 33 coastal communities, 8 Directorates of Education, 34 Port Authorities, 4 environmental organizations, 7 local Boy Scouts/Girl Guides groups. In addition to individual schools, army draftees and the wider public. Out of a total of 42 coastal prefectures in Greece, 29 responded to HELMEPA's invitation.

By participating in the voluntary cleanup they all demonstrated a high degree of awareness and comprehension of our common problem. It is an encouraging fact that several local authorities and environmental associations carry out beach cleanups on a regular basis together with schools that have included beach clean-ups in their regular activities.

Dimitri Mitsasos

Editor's note: Although we were unable to receive data cards from Greece, HELMEPA supplied us with the following information concerning the composition of the debris found. Please note that this information was not compiled by CMC.

PERCENT COMPOSITION OF GREECE'S BEACH DEBRIS:



FOR INFORMATION ON GREECE'S 1993 COASTAL CLEANUP CONTACT:

Dimitri Mitsatsos
HELMEPA
5 Pergamou Street
Nea Smyrni
171 21 Athens, Greece
(301) 934-1717

CLEANUP DATE: Contact Coordinator

GRENADA

COASTWEEKS

26 Volunteers

1 Mile Cleaned

640 Pounds of Debris Collected

6 Data Cards

Coordinated by: Joseph Antoine/ Derek Allard

Friends of the Earth Grenada

P.O. Box 521

St. George's, Grenada

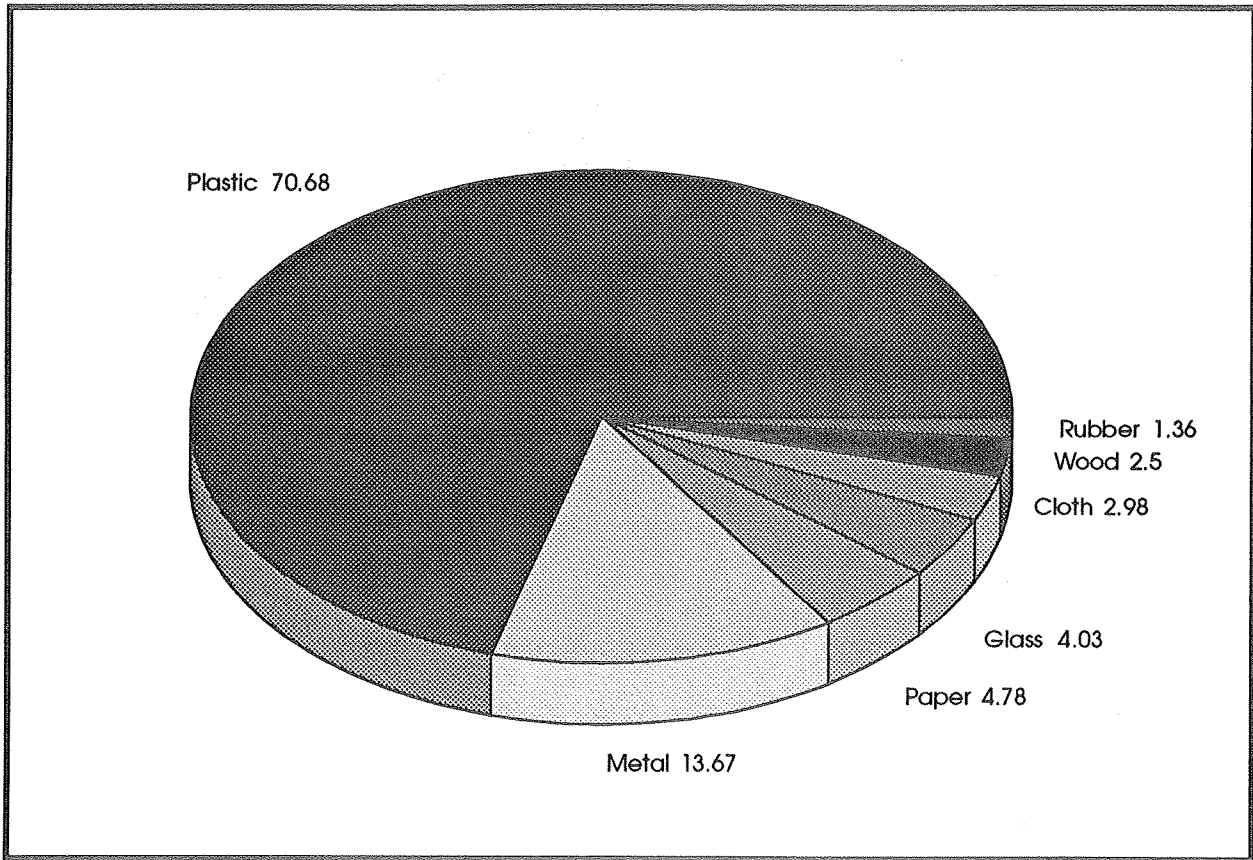
(809) 444-8838

Friends of the Environment (FOE) in Grenada, an associate of Friends of the Earth International, coordinated Grenada's first beach cleanup as part of the International Coastal Cleanup. FOE staff recruited 26 volunteers to collect trash and data along one mile of Grenada's coastline, and the result was the removal of 640 pounds of harmful and unsightly debris.

Friends of the Environment Grenada, officially established on September 21, 1991, was the first organization in Grenada mandated to examine and comment on environmental matters. In addition to participating in the International Coastal Cleanup, FOE concentrates on environmental issues ranging from agricultural practices and population control, to problems created by the tourism industry and the illegal trade of endangered species.

Derek Allard

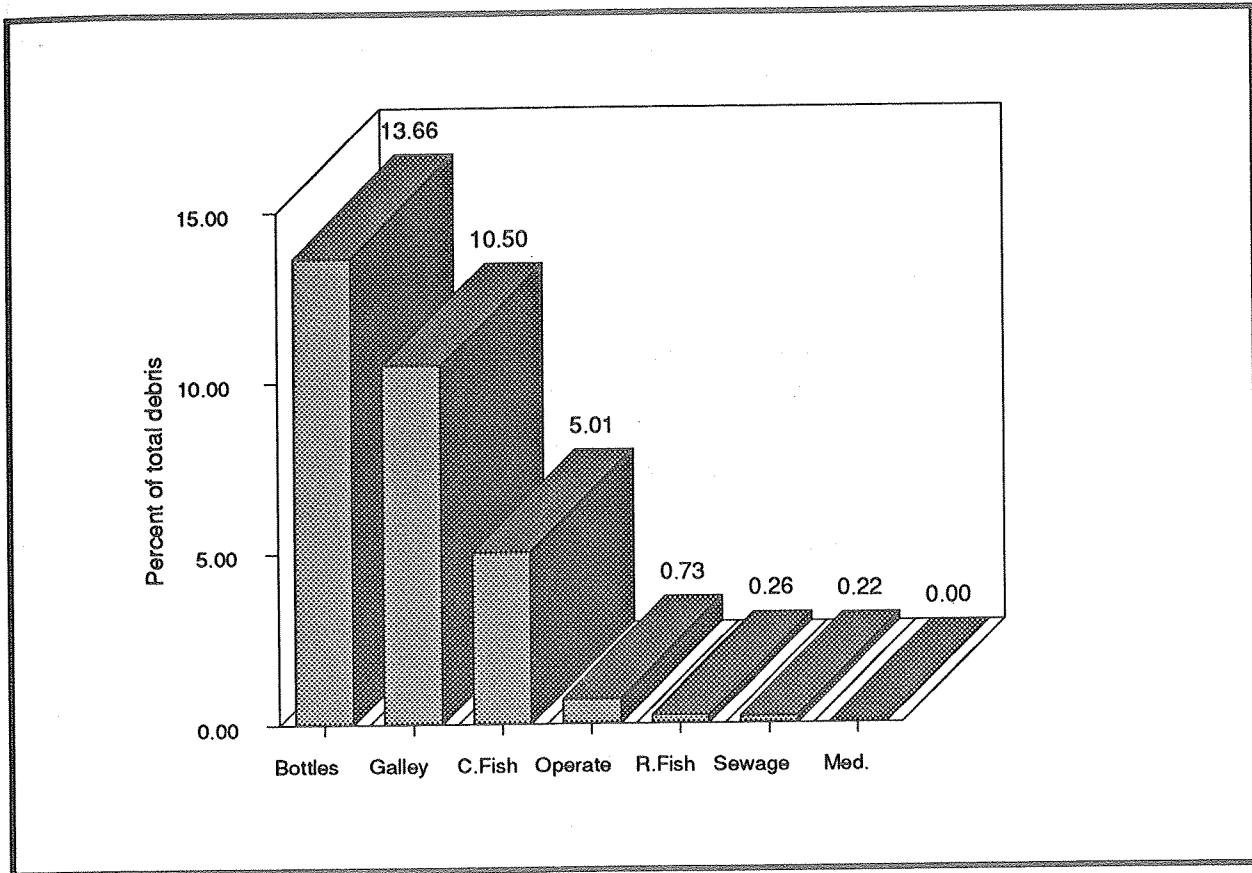
PERCENT COMPOSITION OF GRENADA'S BEACH DEBRIS:



GRENADA'S 1992 DIRTY DOZEN:

	Total Number Reported	Percent of Total Debris Collected
1. Plastic food bags	360	15.56
2. Plastic oil/lube bottles	332	14.35
3. Plastic bleach bottles	169	7.30
4. Metal beverage cans	134	5.79
5. Plastic beverage bottles	108	4.67
6. Clothing	68	2.94
7. Plastic trash bags	65	2.81
8. Plastic pieces	60	2.59
9. Plastic cups and utensils	60	2.59
10. Foamed pieces	60	2.59
11. Miscellaneous plastic bags	58	2.51
12. Plastic caps and lids	51	2.20
Total	1,525	65.90

MAJOR TYPES AND SOURCES OF GRENADA'S BEACH DEBRIS:



MAJOR CHARACTERISTIC OF DEBRIS IN EACH ZONE:

Data was collected for only one zone in St. Georges, Grenada.

TRACEABLE DEBRIS REPORTED:

Location	Type of Debris	Source Indicated
St. Georges	oil bottle oil bottles oil bottles cans	Mobil Texaco Oil Company Shell Oil Company Coca Cola Company

FOREIGN DEBRIS ITEMS REPORTED:

None reported

ENTANGLED WILDLIFE REPORTED:

None

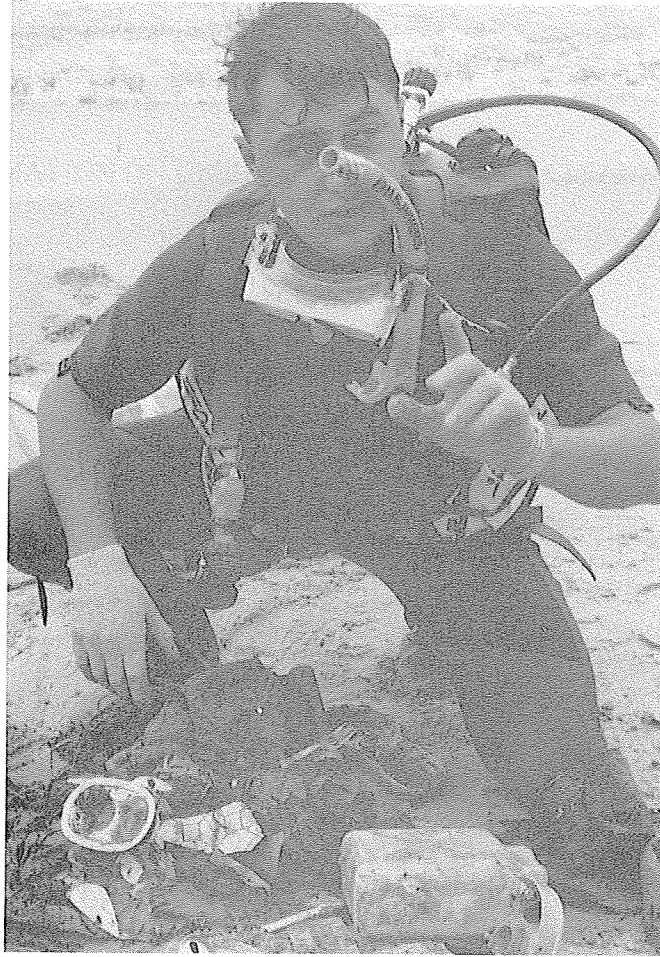
MOST PECULIAR DEBRIS ITEMS REPORTED:

St. Georges plastic flowers, lobster pot

FOR INFORMATION ON GRENADA'S 1993 COASTAL CLEANUP CONTACT:

Joseph Antoine/ Derek Allard
Friends of the Earth Grenada
P.O. Box 521
St. George's, Grenada
(809) 444-8838

CLEANUP DATE: Contact Coordinator



Hong Kong's underwater cleanup was a huge success.

HONG KONG

September 19, 1992
264 Volunteers
1 Mile Cleaned
3,850 Pounds of Debris Collected
69 Data Cards

Coordinated by: Janice Cates
12 A Stanley Beach Road
1st Floor Stanley Beach Garden Apartments
Hong Kong
(852) 813-5455

With less than two months to get organized, Hong Kong's first International Coastal Cleanup Day was held on September 19 and was a definite success. Due to the lack of time, we decided to target one very filthy beach on Hong Kong Island. It is one of many beaches not regularly maintained and we are campaigning to change that. However, for now, the 3/4 mile stretch of beach is clean and beautiful.

Over 260 enthusiastic volunteers collected almost two tons of debris in about 1 1/2 hours. In addition, two huge fishing nets embedded in the sand and entangled with plastic items and cans had to be dug up and chopped into pieces before they could be hauled away. We ended the day with cold drinks and a "thank you" speech from Mr. Cooper, Secretary of the Environment.

Our sponsor, Rotaract Club of Hong Kong and Macau, International District 3450, provided both financial and manpower support to ensure that the event went smoothly. Their participation was in accord with their international theme, "Preserve Planet Earth." In addition, Friends of the Earth acted as advisor on many of the environmental issues.

There is no doubt that Hong Kong's beaches and waters are suffering. Some sad facts from the Environmental Protection Department (EPD) :

Two million tons of sewage and industrial wastes are dumped in our waters every day.

Hong Kong continues to be the world's biggest per capita consumer of plastic bags, throwing away 15 million a day.

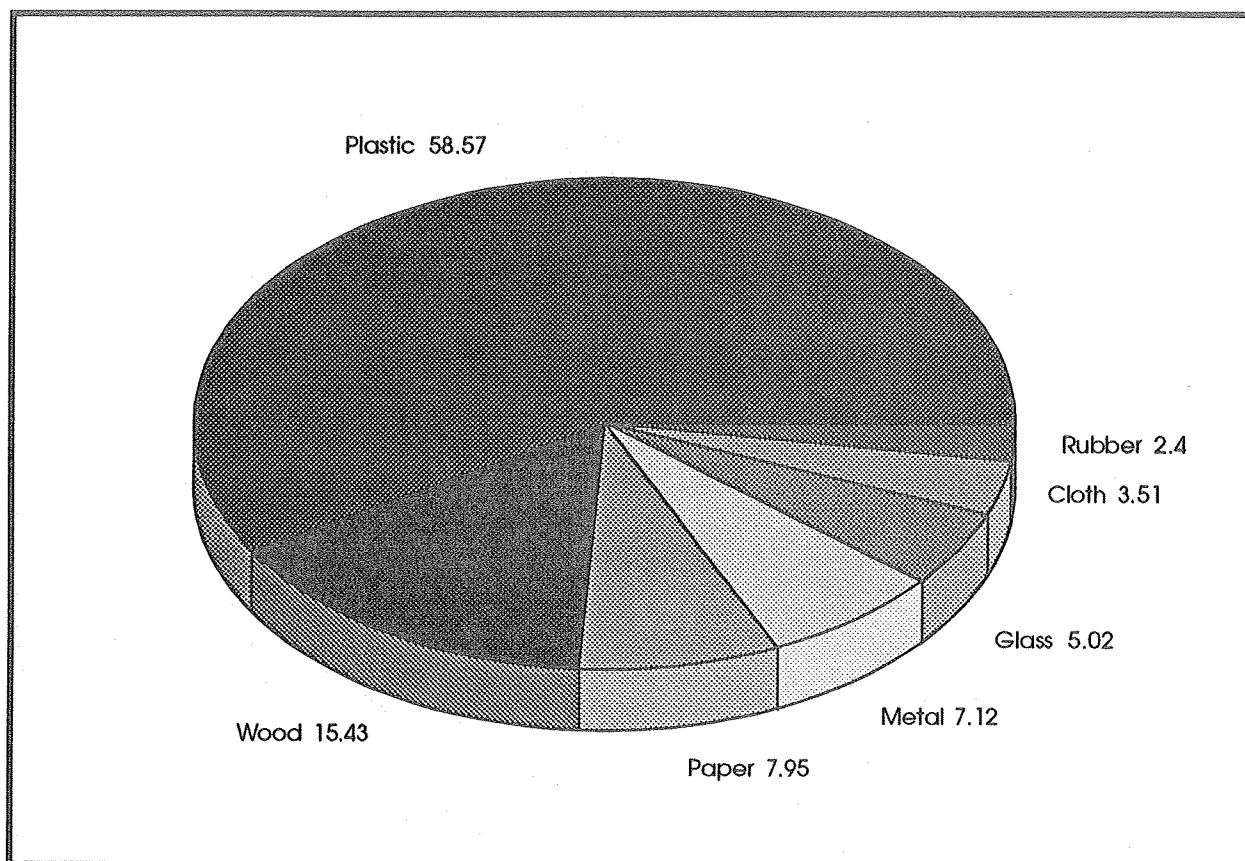
Hong Kong has no system for separating public waste for recycling.

More than 20 tons of floating garbage is collected from the harbor each day.

But all is not lost yet - if concerted action is taken soon to reverse this trend. If enough people make a small contribution of time and energy, we can make a difference. Friends of the Earth plan to keep the spirit of September 19 alive in 1992 and 1993 through ongoing public education events as well as getting other organizations and corporations involved in year-round beach cleanups. Hopefully the 1993 International Coastal Cleanup in Hong Kong will be celebrated on all of our beaches.

Janice Cates

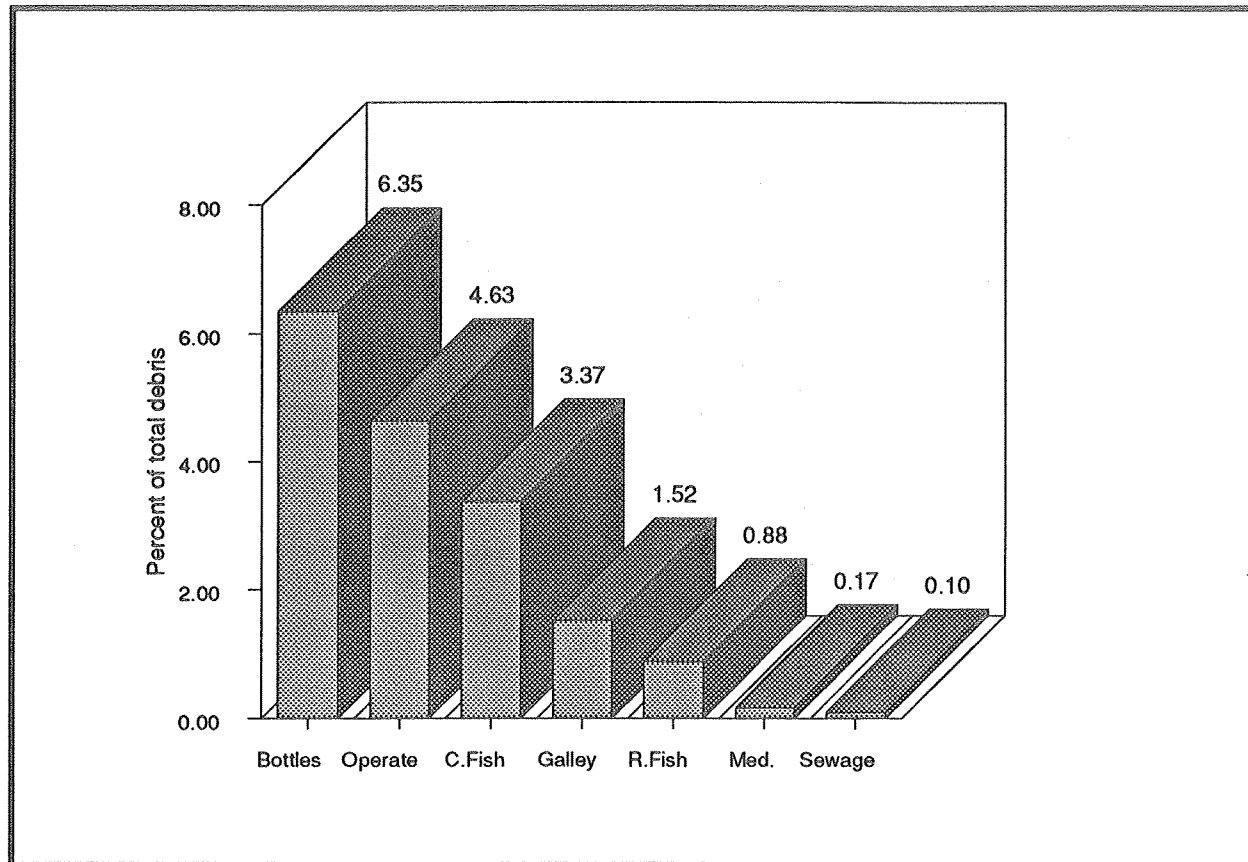
PERCENT COMPOSITION OF HONG KONG'S BEACH DEBRIS:



HONG KONG'S 1992 DIRTY DOZEN:

	Total Number Reported	Percent of Total Debris Collected
1. Cigarette butts	1178	14.53
2. Plastic straws	612	7.55
3. Plastic pieces	611	7.54
4. Foamed plastic pieces	542	6.69
5. Lumber	502	6.19
6. Plastic food bags	307	3.79
7. Paper pieces	271	3.34
8. Clothing	243	3.00
9. Glass pieces	225	2.78
10. Plastic strapping bands	199	2.45
11. Plastic caps and lids	173	2.13
12. Plastic beverage bottles	169	2.08
Total	5,032	62.08

MAJOR TYPES AND SOURCES OF HONG KONG'S BEACH DEBRIS:



MAJOR CHARACTERISTICS OF DEBRIS IN EACH ZONE:

Data was collected for only one zone in Stanley Ma Hang Beach, Hong Kong.

TRACEABLE DEBRIS REPORTED:

None

FOREIGN DEBRIS ITEMS REPORTED:

None

ENTANGLED WILDLIFE REPORTED:

None

MOST PECULIAR DEBRIS ITEMS REPORTED:

Stanley Ma Hang Beach traffic sign, snake, lamp, cigarette lighter

FOR INFORMATION ON HONG KONG'S 1993 COASTAL CLEANUP CONTACT:

Janice Cates
12 A Stanley Beach Road
1st Floor Stanley Beach Garden Apts.
Hong Kong
(852) 813-5455

CLEANUP DATE: Contact Coordinator

INDONESIA

COASTWEEKS

18 Volunteers

0.5 Miles Cleaned

80 Pounds of Debris Collected

19 Data Cards

Coordinated by: Rosemary Silva/ Barney Latham

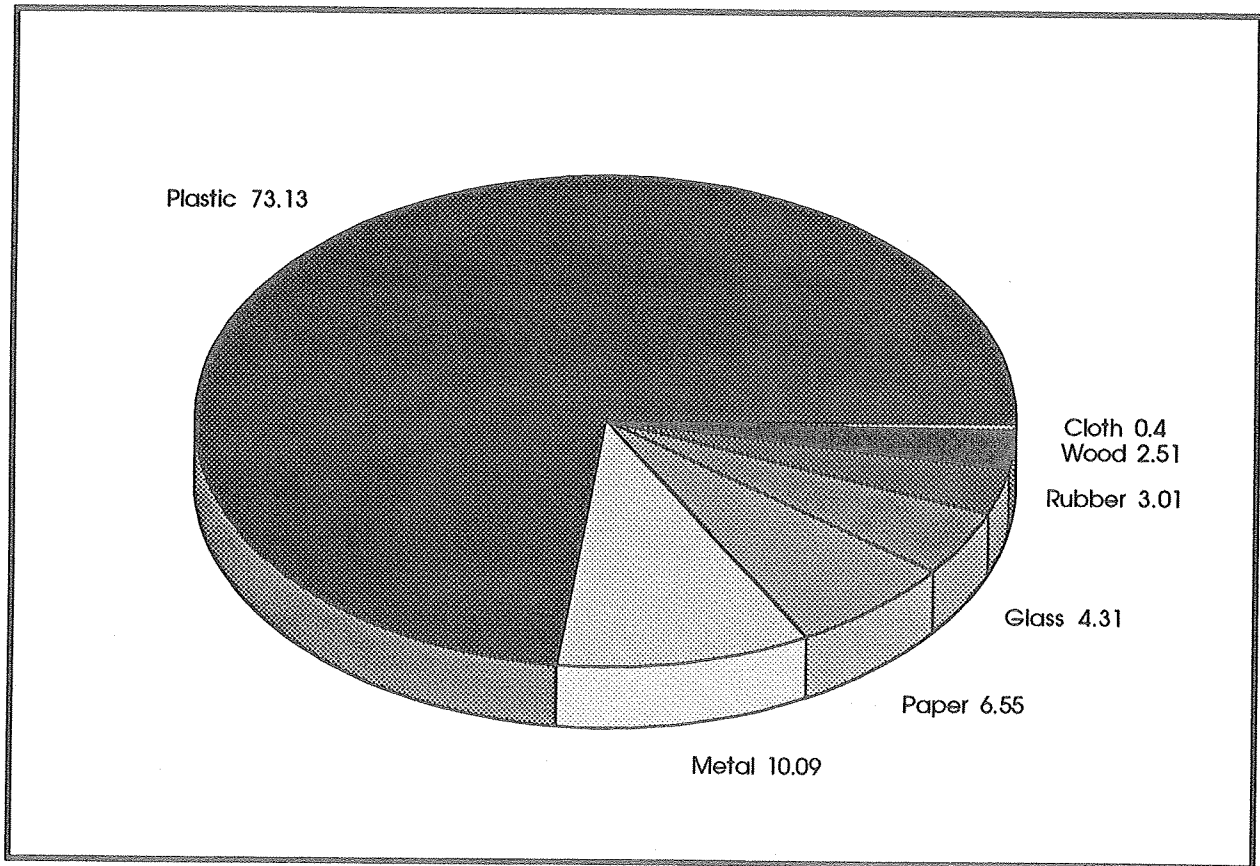
Jakarta International School

P.O. Box 79 JKS

Jakarta 12430, Indonesia

The arrival of International Coastal Cleanup data from Indonesia came as an exciting surprise to the staff at the Center for Marine Conservation. Learning of the program from the Singapore Nature Society and Kate Grace Thome, the coordinator of Singapore's coastal cleanup, teachers at the International School in Jakarta planned a local beach cleanup involving students from the Middle School Conservation Club. On September 19, 18 students and teachers from the school traveled to Katang Hawu Beach located in southwest Java about 10 kilometers west of the town of Pelabuhan Ratu. There they collected four large garbage bags of trash off a one-half-kilometer stretch of beach.

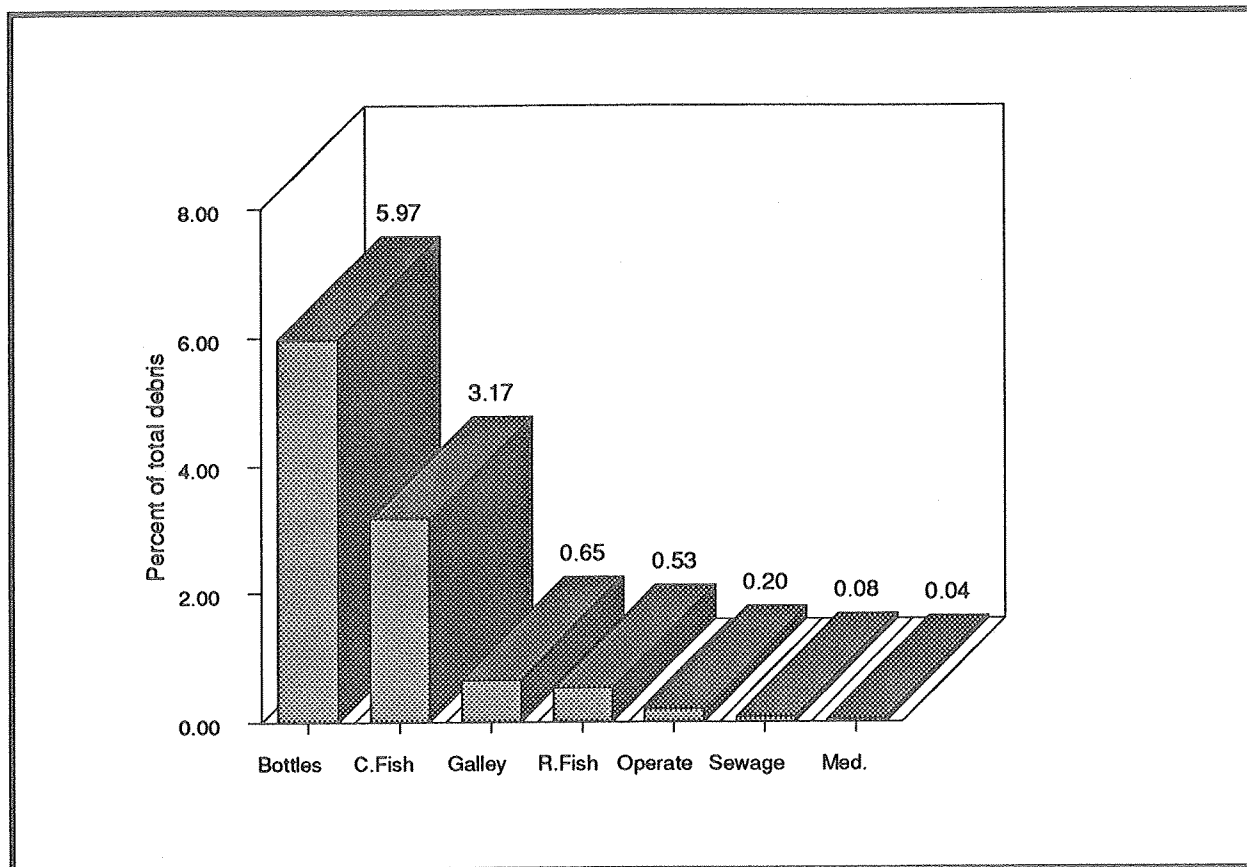
PERCENT COMPOSITION OF INDONESIA'S BEACH DEBRIS:



INDONESIA'S 1992 DIRTY DOZEN:

	Total Number Reported	Percent of Total Debris Collected
1. Plastic food bags	568	23.05
2. Plastic pieces	321	13.03
3. Cigarette butts	235	9.54
4. Plastic straws	173	7.02
5. Plastic caps and lids	121	4.91
6. Metal bottle caps	105	4.26
7. Miscellaneous plastic bags	91	3.69
8. Glass pieces	86	3.49
9. Foamed plastic pieces	66	2.68
10. Paper pieces	63	2.56
11. Plastic cups and utensils	57	2.31
12. Plastic rope	57	2.31
Total	1,943	78.86

MAJOR TYPES AND SOURCES OF INDONESIA'S BEACH DEBRIS:



MAJOR CHARACTERISTICS OF DEBRIS IN EACH ZONE:

Data was only collected for one zone in Indonesia.

TRACEABLE DEBRIS REPORTED:

None

FOREIGN DEBRIS ITEMS REPORTED:

None

ENTANGLED WILDLIFE REPORTED:

None

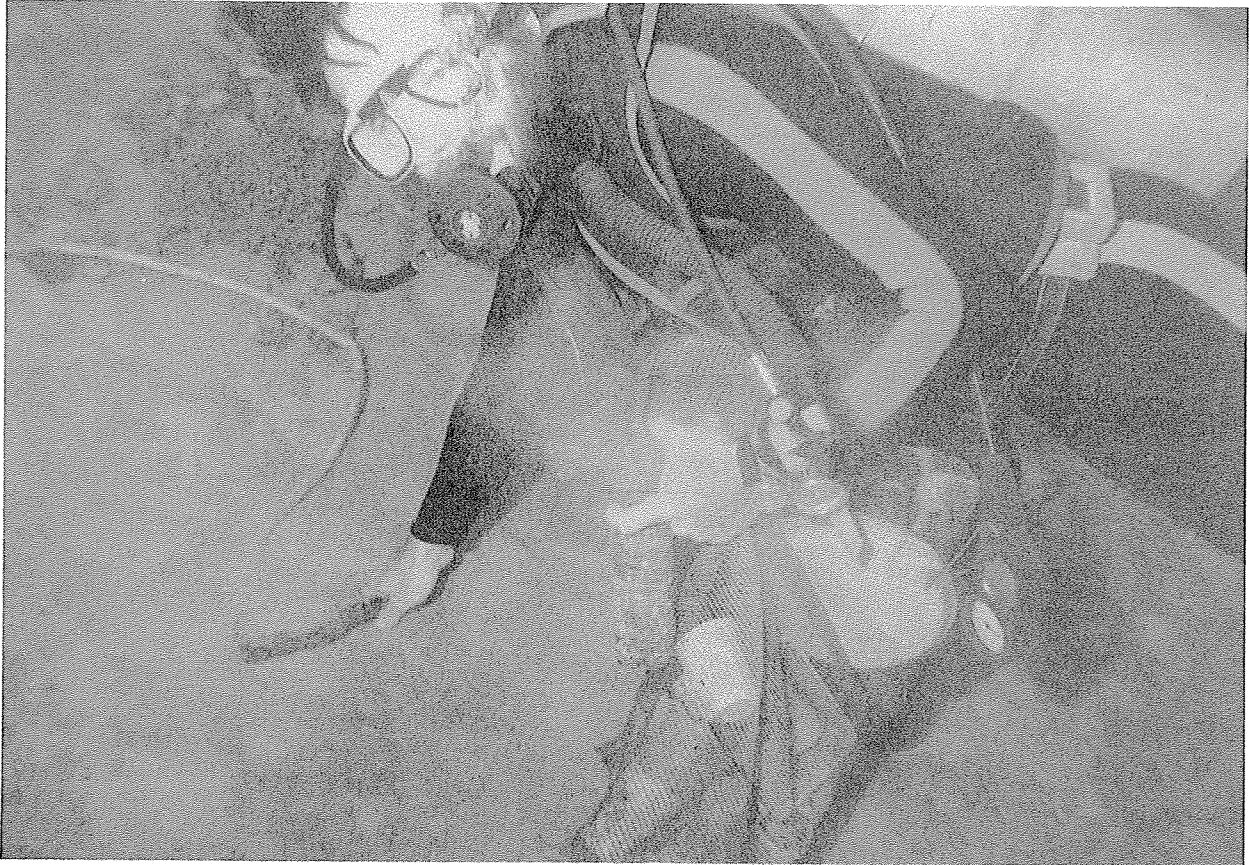
MOST PECULIAR DEBRIS ITEMS REPORTED:

None

FOR INFORMATION ON INDONESIA'S 1993 COASTAL CLEANUP CONTACT:

Rosemary Silva/ Barney Latham
Jakarta International School
P.O. Box 79 JKS
Jakarta 12430, Indonesia

CLEANUP DATE: Contact Coordinator



Israeli diver cleaning the bottom of the ocean.

ISRAEL

September 18, 1992
1,350 Volunteers
15 Miles Cleaned
60,000 Pounds of Debris Collected
104 Data Cards

Coordinated by: Elik Adler
Head, Marine and Coastal
Environmental Division
Ministry of the Environment
P.O. Box 6234
Jerusalem, Israel 91061
011-972-2-701606

Israel's 1992 international beach cleanup day took place on September 18, a beautiful, warm, sunny Friday. The clean-up was organized by the Ministry of the Environment and the Society for the Protection of Nature in Israel. It involved the participation of Environmental Town Associations and local environmental units in coastal areas, and was carried out for the second consecutive year following the initiative of the Center for Marine Conservation.

Altogether, 17 separate beaches were combed by over 1,350 volunteers. Israel is a tiny country with a relatively long coastline -- 125 miles at the eastern edge of the Mediterranean Sea, and six miles on the Red Sea. Our enthusiastic volunteers, recruited mostly from high schools throughout the country, covered a quarter of a mile strip along 15 miles of shoreline. The widest beaches yielded between 60 to 90 large bags of waste per mile; whereas volunteers on the narrower beaches were able to collect only 50 bags of trash per mile. Each trash bag weighed between 18 and 24 pounds. By the time the day was done, our volunteers had rid Israel's beautiful, sandy beaches of nearly 30 tons of litter.

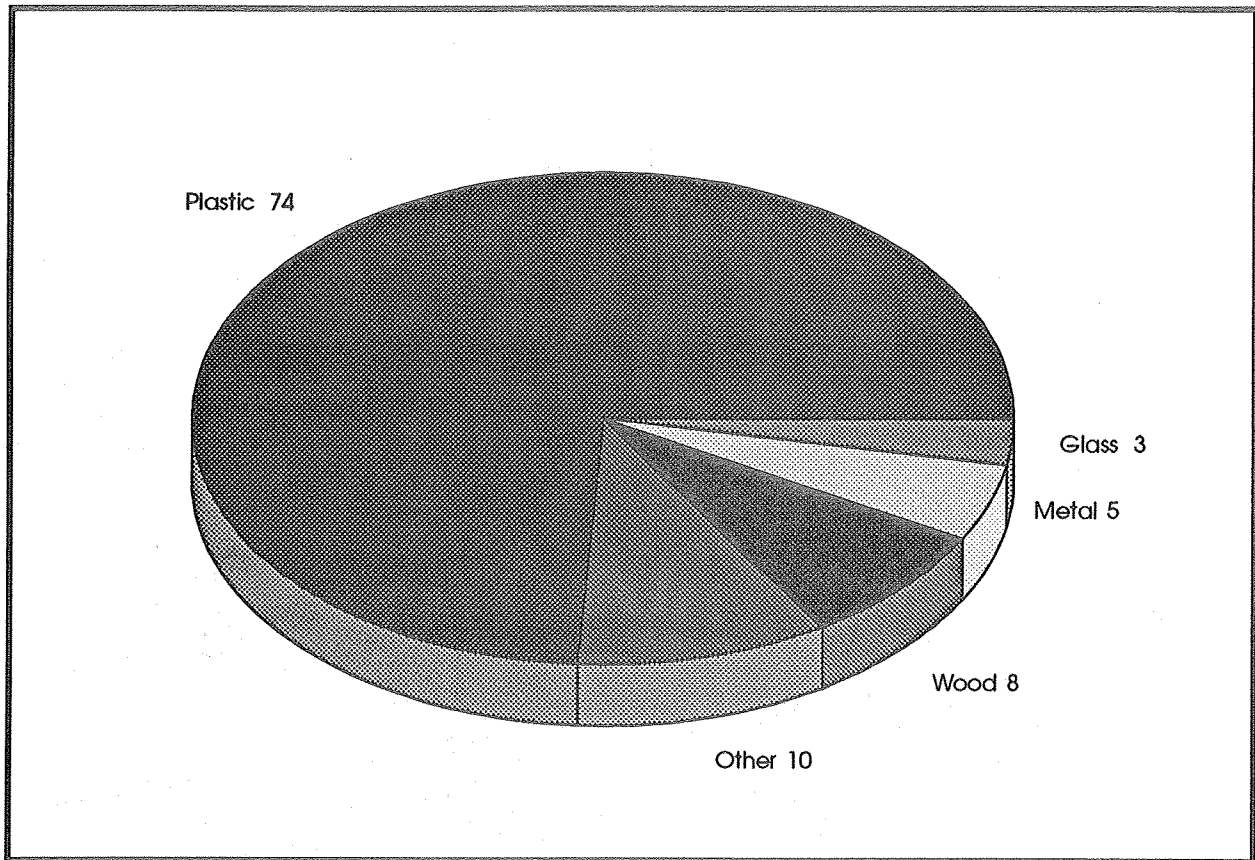
The debris collected was largely composed of plastic bags, plastic food and beverage containers, styrofoam cups and plates, and metal and glass beverage containers. Most of these items had been discharged by beachgoers, but some had washed ashore from commercial ships and pleasure boats. Evidence was found that contractors had also dumped construction waste along the beach in some areas.

All of the participants were saddened to find dozens of dead freshwater turtles scattered along the beach. Despite efforts to save them, many of the turtles had been swept to sea from their home in the Alexander River by last winter's floods. This year the Society for the Protection of Nature has emergency plans to rescue the Alexander's turtles and other wildlife.

Elik Adler

Editor's Note: Although we were unable to receive data cards from Israel, The Ministry of the Environment supplied us with the following information concerning the composition of debris found. Please note that this information was not compiled by CMC.

PERCENT COMPOSITION OF ISRAEL'S BEACH DEBRIS:



FOR INFORMATION ON ISRAEL'S 1993 COASTAL CLEANUP CONTACT:

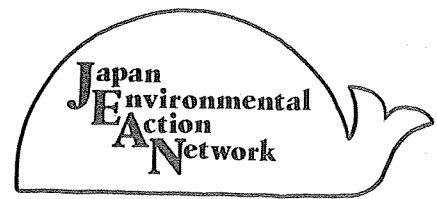
Ellik Adler
Marine and Environmental Coastal Division
Ministry of the Environment
P.O. Box 6234
Jerusalem, Israel 91061
(972) 270-1580

CLEANUP DATE: Contact Coordinator



Young girls collecting data in Japan.

JAPAN



COASTWEEKS
7,000 Volunteers
19 Miles Cleaned
132,276 Pounds of Debris Collected

Coordinated by: Yumi Kikuchi
JEAN
2-21-17 Azusawa
Itabashi-ku
Tokyo 174 Japan
81-03-5970-0851

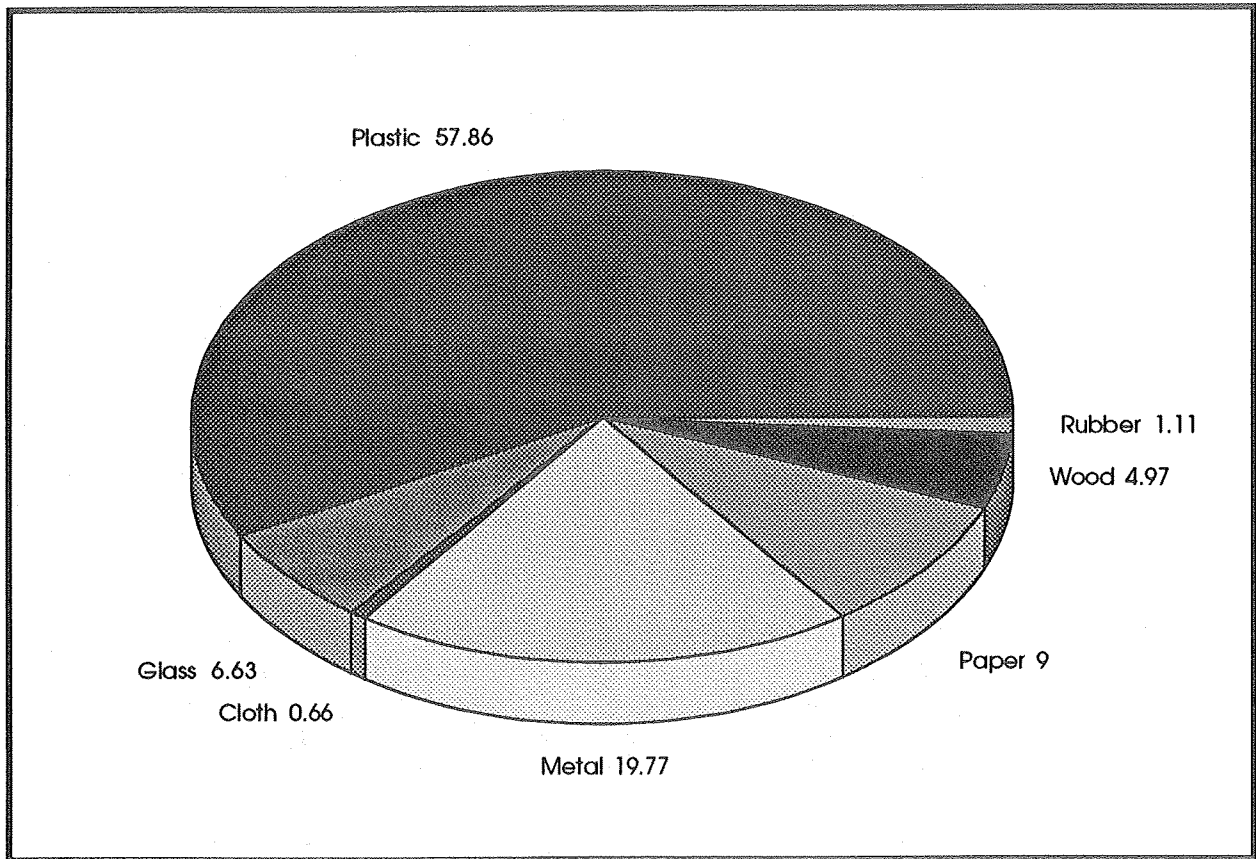
Thanks to many concerned people's help, Japan's Beach Cleanup Campaign continues to grow each year in quality and in quantity. Our challenge for 1992 was to convince people about the importance of collecting the data as many willful groups have been cleaning beaches, but never collecting data. The last two years we used Japanese translations of CMC's data cards, but a lot of people failed to fill them accurately. So, this year we created our own original data card so that more people were able to use them with ease.

The result was better than the past, yet we still need to revise the card so that it is internationally compatible. The good news is, a lot of companies started participating in the campaign; some of them are giving us financial support as well. This will help us a great deal as we have been paying the cost out of our own pocket!

Our original report has gotten a lot of media attention. An especially large number of resin pellets found in a wide area of Japan was covered by the press. I hope this will urge Japan's plastic industry to play a bigger role solving the problem of marine debris. We will do our best to wake up people's environmental awareness they genuinely have. Wish us luck! Lastly, I would like to appreciate CMC staff's hard work to put this report together.

Yumi Kikuchi

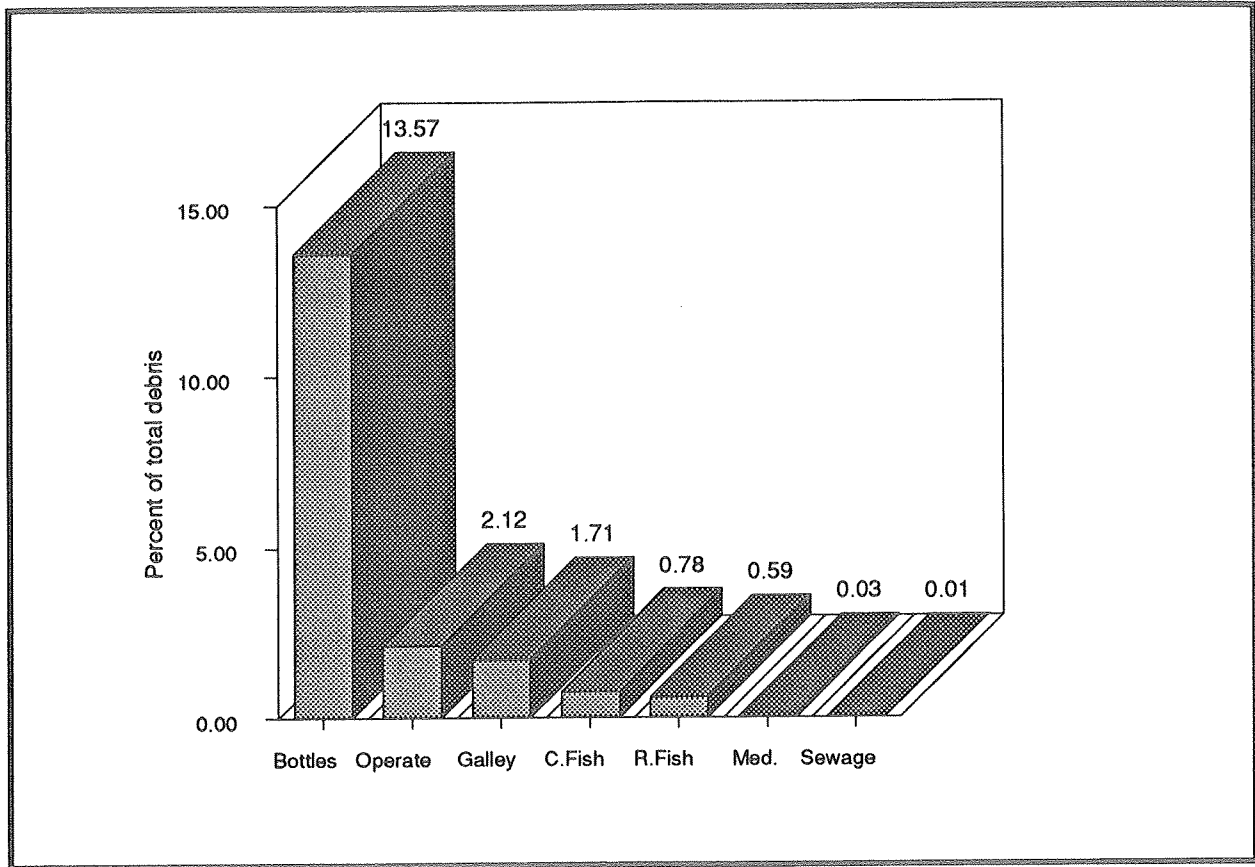
PERCENT COMPOSITION OF JAPAN'S BEACH DEBRIS:



JAPAN'S 1992 DIRTY DOZEN:

	Total Number Reported	Percent of Total Debris Collected
1. Cigarette butts	80,325	24.91
2. Plastic pieces	41,774	12.96
3. Metal beverage cans	20,710	6.42
4. Foamed plastic pieces	17,192	5.33
5. Metal pull tabs	13,544	4.20
6. Plastic food bags	11,110	3.45
7. Lumber	9,681	3.00
8. Other plastic bags	8,635	2.68
9. Cigarette lighters	7,888	2.44
10. Paper bags	7,217	2.24
11. Wire	6,947	2.15
12. Plastic strapping bands	6,486	2.01
Total	231,509	71.80

MAJOR TYPES AND SOURCES OF JAPAN'S BEACH DEBRIS:



MAJOR CHARACTERISTICS OF DEBRIS IN EACH ZONE:

Zone Name	Percent Plastic	Most Prevalent Debris Item
Hokkaido	50.52	Cigarette butts
Miyagi	68.36	Plastic pieces
Ibaraki	43.67	Metal beverage cans
Gumma	12.15	Metal beverage cans
Saitama	26.69	Metal beverage cans
Chiba	46.86	Cigarette butts
Tokyo	57.96	Cigarette butts
Kanagawa	48.03	Cigarette butts
Yamanashi	28.56	Metal pull tabs
Nagano	15.04	Metal beverage cans
Ishikawa	46.93	Cigarette butts
Fukui	22.81	Cigarette butts
Shizuoka	63.84	Plastic pieces
Kyoto	43.44	Cigarette butts
Osaka	53.21	Cigarette butts
Hyogo	60.71	Plastic pieces

MAJOR CHARACTERISTICS OF DEBRIS IN EACH ZONE (cont):

Zone Name	Percent Plastic	Most Prevalent Debris Item Reported
Tottori	79.45	Cigarette butts and plastic pieces
Shimane	93.50	Plastic strapping bands
Hiroshima	88.85	Foamed plastic pieces
Tokushima	70.89	Plastic pieces
Kagawa	60.30	Plastic pieces
Ehime	51.98	Plastic pieces
Kochi	79.19	Plastic pieces
Fukuoka	69.98	Plastic pieces
Nagasaki	93.43	Plastic pieces
Oita	60.55	Plastic pieces
Miyazaki	70.25	Plastic food bags
Okinawa	73.96	Misellaneous plastic bags

TRACEABLE DEBRIS REPORTED:

None

FOREIGN DEBRIS ITEMS REPORTED:

None

ENTANGLED WILDLIFE REPORTED:

None

MOST PECULIAR DEBRIS ITEMS REPORTED:

None

FOR INFORMATION ON JAPAN'S 1993 COASTAL CLEANUP CONTACT:

Yumi Kikuchi
JEAN
1-61-7 Denenchofu
Ohta-ku, Tokyo 145
Japan
(81) 3-722-4171

CLEANUP DATE: Contact Coordinator

MALAYSIA

COASTWEEKS
20 Volunteers
0.5 Miles Cleaned
80 Pounds of Debris Collected
8 Data Cards

Coordinated by: Wan Suriani Wan Mahmood
Ecoshop
Lot G19 Alpha Angle
Wangsa Maju
33600 Kuala Lumpur, Malaysia
011-60-3-4121330

Beach cleanup in Malaysia is carried out by the municipal authorities (though not frequent due to shortage of manpower). The type of trash/marine debris collected has never been disclosed.

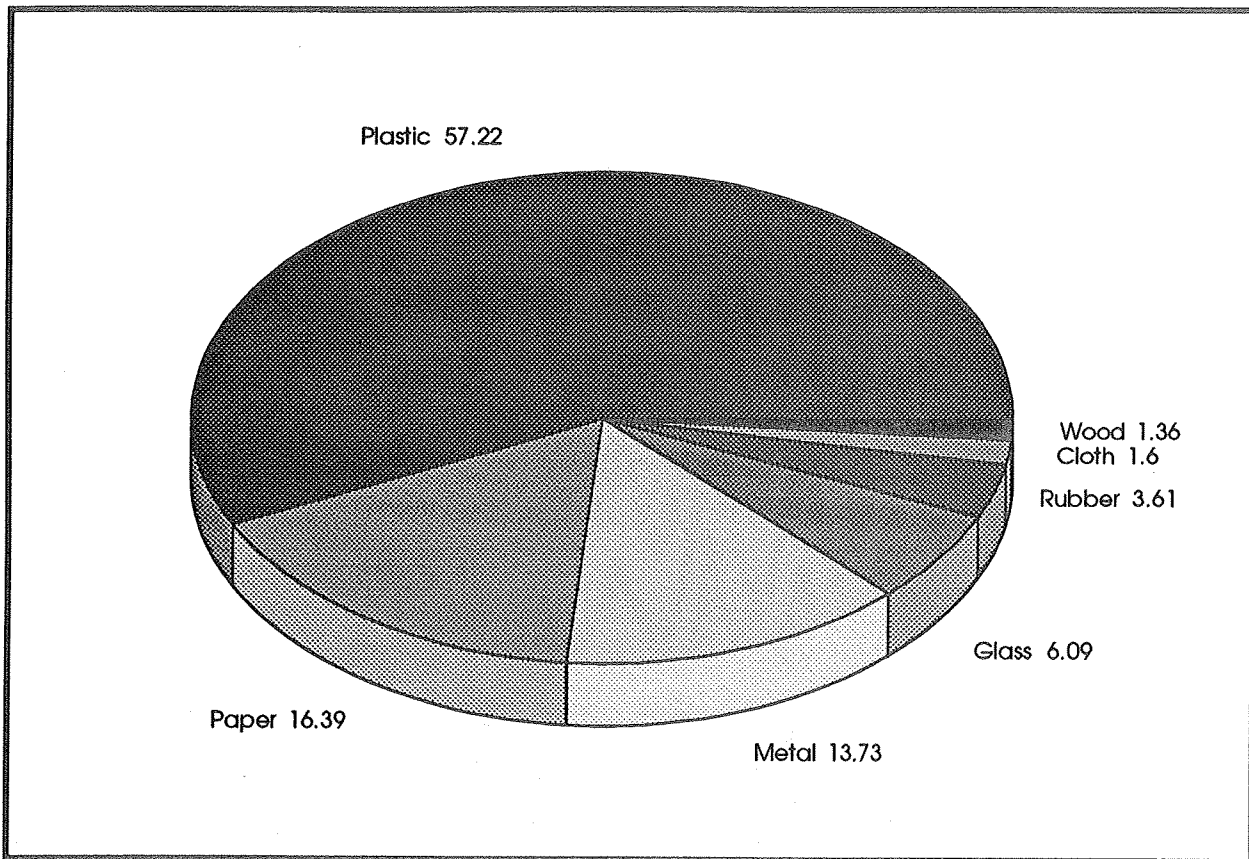
Our beach cleanup in a way has educated the volunteers on the danger of some trash, even from the innocent-looking six-ring pack to pieces of styrofoam, to the sea creatures. They also marvelled at the amount of take away packaging such as small plastic bags (used for soft drinks), styrofoam, straws and drink boxes. Take-away business must be booming in Malaysia. They had vowed to educate their families and friends on the issue and try to campaign for a bigger turn-out at our next beach cleanup.

Wan Suriani



Malaysian volunteers show off the results of their hard work.

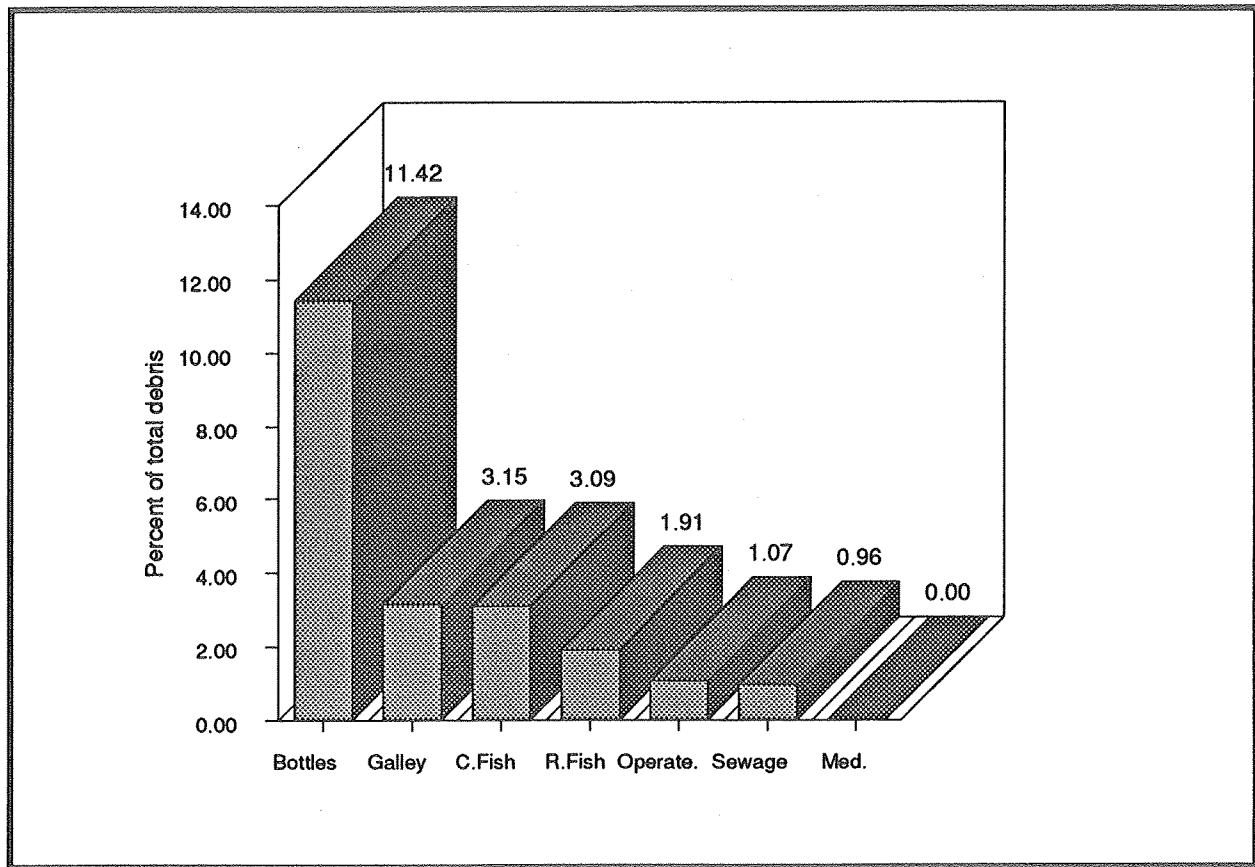
PERCENT COMPOSITION OF MALAYSIA'S BEACH DEBRIS:



MALAYSIA'S 1992 DIRTY DOZEN:

	Total Number Reported	Percent of Total Debris Collected
1. Plastic food bags	242	13.61
2. Foamed plastic pieces	130	7.31
3. Metal beverage cans	110	6.19
4. Plastic straws	89	5.01
5. Cigarette butts	88	4.95
6. Metal food cans	67	3.77
7. Paper cartons	66	3.71
8. Miscellaneous plastic bags	63	3.54
9. Plastic pieces	62	3.49
10. Paper pieces	62	3.49
11. Plastic caps and lids	58	3.26
12. Glass pieces	56	3.15
Total	1,093	61.47

MAJOR TYPES AND SOURCES OF MALAYSIA'S BEACH DEBRIS:



MAJOR CHARACTERISTICS OF DEBRIS IN EACH ZONE:

Data was collected for only one zone, Pantai Baru Morib.

TRACEABLE DEBRIS REPORTED:

None

FOREIGN DEBRIS ITEMS REPORTED:

None

ENTANGLED WILDLIFE REPORTED:

None

MOST PECULIAR DEBRIS ITEMS REPORTED:

Pantai Baru Morib. Urns.

FOR INFORMATION ON MALAYSIA'S 1993 COASTAL CLEANUP CONTACT:

Wan Suriani Wan Mahmood
Ecoshop
Lot G19 Alpha Angle
Wangsa Maju
33600 Kuala Lumpur, Malaysia
011-60-3-4121330

CLEANUP DATE: Contact Coordinator



The sign in area at Matamoros.

MEXICO



September 19, 1992
685 Volunteers
41 Miles Cleaned
21,532 Pounds of Debris Collected
189 Data Cards

Coordinated by:
Dr. M. L. Lizarraga Partida
FEMA, CICESE-Ecologia
Apartado Postal 2732
Ensenada, Baja California
(52) 91-667-60761

German Mendez
P.O. Box 396
Cozumel, Quintana Roo
Mexico 77600
011-52-9872-1232

Francisco Javier Cardenas Munguia
Pro-Ecologia de Colima
Apartado Postal 29
Colima 28000
Colima, Mexico
(52) 331-29810

Ana Laura Lara-Dominguez
Programa de EPOMEX
Av. Agustin Melgar y Juan
de la Barrera
Apartado Postal 520
Campeche, Mexico
(52) 981-11600

Prof. Rosalinda Jinich Domingo
Museo de la Isla de Cozumel
Avenida Rafael Melgar,
Calle 6 Norte
Cozumel, Quintana Roo
Mexico 77600
011-52-9872-1545

Janice Jacobs
C/O American Consulate and Rotarian
P. O. Box 633
Brownsville, Texas 78522-0633
(52) 891-6-72-71

Cozumel has participated in the beach cleanup during the past three years in accordance with the Center for Marine Conservation. This year for the first time not only was the cleanup done on the beaches of the Island but the campaign was taken underwater as well.

The underwater cleanup was promoted by flyers and posters, also through the radio. The campaign started at 3 p.m. and ended at 5 p.m. and the response was excellent during these two hours due to the participation of the local dive stores, as well as many independent divers, locals, and visitors. They were supported by 10 boats and their crew to pick up 5 tons of trash from under the Cozumel's International Pier at an average depth of 40-50 feet covering an area of 500 yards.

The majority of trash consisted of tires, glass, bottles, pieces of aluminum cans, paint and paint brushed from the ships, pieces of rope, etc. The heavy trash was lifted with ropes or using lift bags. Once at the surface the crew members of the boats received the trash and gave back the net bags that each diver was using to collect the trash. When the trash was taken back to the beach the debris was separated by teams and counted to fill up the data cards. It was done by teams because there was a prize to the team who got the most amount trash, to the team who collected the biggest piece of all and to the most original piece of trash. The prizes were donations from the dive stores' and consisted of diving equipment, diving trips, t-shirts, etc.

We consider that the first underwater cleanup in Cozumel, done during the International Coastal Cleanup as part of Project AWARE from PADI, has been a complete success. The divers had counting assistance from the Red Cross and the Hiperbaric Doctors on the island. At the same time, scuba divers have seen the importance of maintaining our underwater realm clean and they feel more responsible about keeping it that way and helping every year in a task that only they can do.

German Mendez

Saturday, September 19, 1992, the EPOMEX Program of the University of Campeche and the research station "El Carmen" of the National University of Mexico organized a day of beach cleaning in the coastal zone of the state of Campeche. The event was part of an International effort organized by the Center for Marine Conservation in Washington, D.C. USA, a non-profit organization dedicated to the protection of marine wildlife and endangered habitats.

Since 1986, the Center for Marine Conservation (CMC) has organized beach cleanings with the help of citizen volunteers and beach users. Data cards which are especially designed to record the type and amount of trash found are used to help prevent future pollution of the sea. Mexico has participated in the event for two years in Isla de Cozumel, Quintana Roo, with foreign volunteers. This year, the EPOMEX Program was invited to participate.

Ana Laura Lara-Dominguez

The cleanup held at Playa Bagdad in Matamoros, Tamaulipas, Mexico on Saturday, August 22nd, was an exciting and successful event. The Matamoros Rotary Club sponsored this event that brought out approximately 60 volunteers to clean one mile of beach. These enthusiastic volunteers collected slightly over five tons of trash.

Janice Jacobs, American consul in Matamoros and Rotary Club member, played a major role in coordinating this event along with Penny Hartwell, our Boca Chica coordinator. I feel very privileged to have been a part of their first cleanup. Penny and I laughed over the fact that, although we were just a short distance from the United States, "foreign trash" took on a new meaning for us.

Janice Jacobs

More than 70 volunteers turned out for the first state-wide beach cleanup along the coast of Colima, Mexico. Under the direction of Pro-Ecologia de Colima, the secretariat of Social Development (SEDESOL) coordinated the event in conjunction with state and municipal councils. Twenty beaches along coastal Colima were cleaned by volunteers, from Culebra to Boca de Apiza.

Pro-Ecologia de Colima and other environmentally concerned citizens in Colima are using the data collected during the beach cleanup to persuade the government to implement practices on all three of its levels to stop marine debris at its source and prevent its harmful impact on marine wildlife.

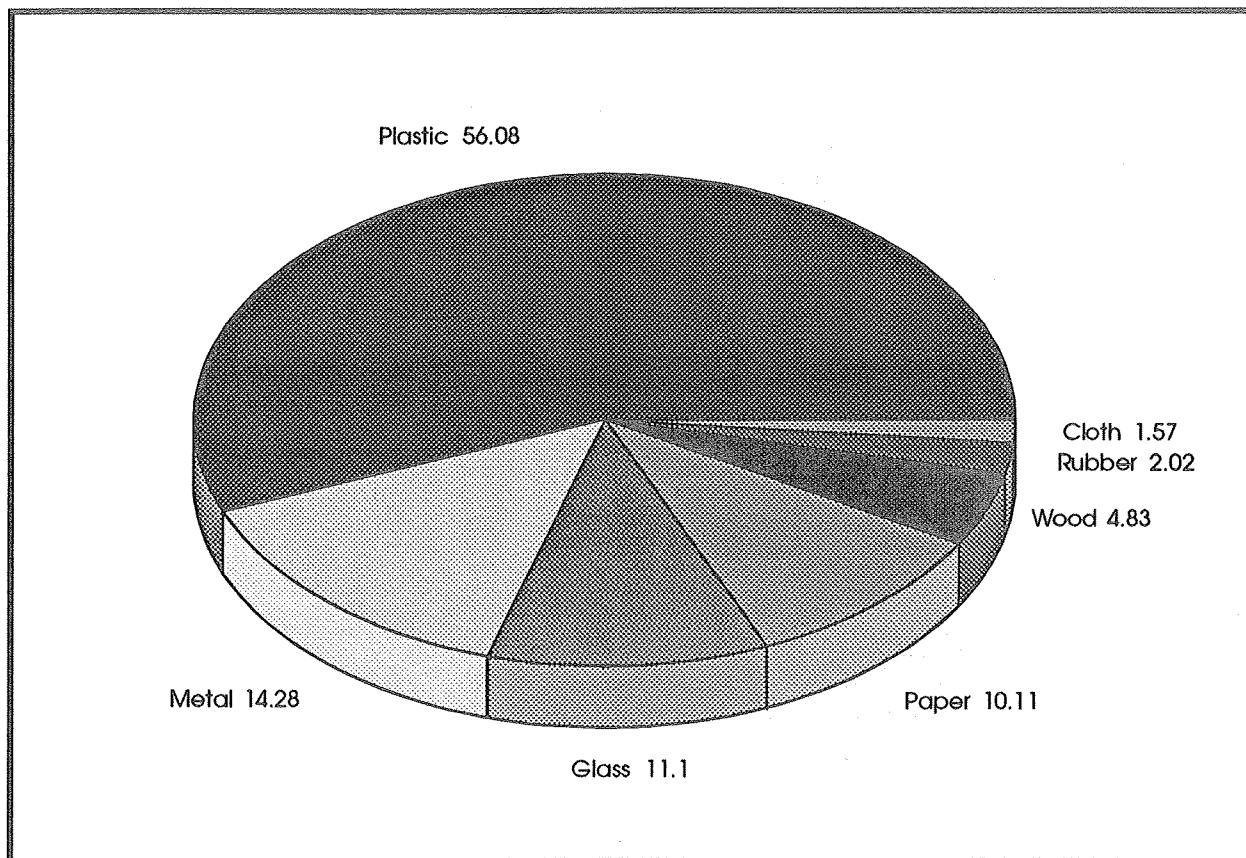
Julie Glen

Volunteers representing 12 different groups, including the Rotarian's, Scouts, and local schools, participated in the beach cleanup campaign in Baja California. The volunteers concentrated on the beaches of Tijuana, collecting an astounding 780 bags of garbage along approximately one mile of beach.

The Ensenada Foundation for the Environment (FEMA) introduced the project to citizens in Baja, California. Working together on the beach cleanup, they were able to send a strong message to the public that more attention needs to be given to cleaning up the beaches along Mexico's northern Pacific coast in order to protect the area's wildlife and improve the aesthetic quality of the beaches and water.

Julie Glen

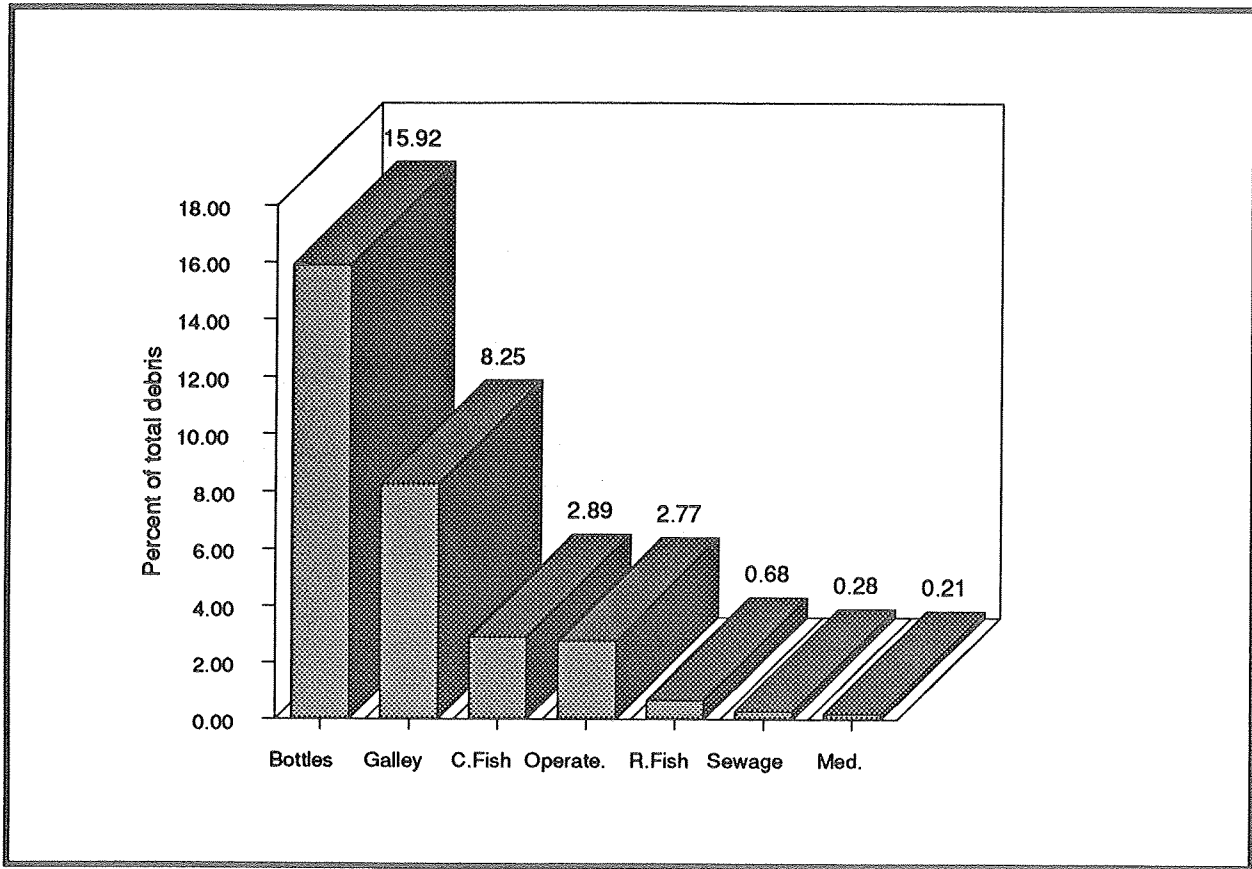
PERCENT COMPOSITION OF MEXICO'S BEACH DEBRIS:



MEXICO'S 1992 DIRTY DOZEN:

	Total Number Reported	Percent of Total Debris Collected
1. Plastic straws	3,453	5.19
2. Plastic caps and lids	3,414	5.13
3. Plastic trash bags	3,108	4.67
4. Glass beverage bottles	3,035	4.56
5. Plastic pieces	2,844	4.27
6. Glass pieces	2,786	4.18
7. Plastic oil/lube bottles	2,567	3.86
8. Metal bottle caps	2,392	3.59
9. Plastic food bags	2,313	3.47
10. Cigarette butts	2,233	3.35
11. Paper pieces	2,059	3.09
12. Lumber	2,028	3.05
Total	32,232	48.41

MAJOR TYPES AND SOURCES OF MEXICO'S BEACH DEBRIS:



MAJOR CHARACTERISTICS OF DEBRIS IN EACH ZONE:

Zone Name	Percent Plastic	Most Prevalent Debris Item Reported
Baja California	49.74	Cigarette butts
Campeche	57.59	Plastic oil/lube bottles
Colima	61.42	Plastic straws
Quintana Roo	49.57	Glass beverage bottles
Tamaulipas	60.79	Plastic pieces

TRACEABLE DEBRIS REPORTED:

Location	Type of Debris	Source Indicated
Campeche Isla del Carmen	bottle of plastic	ALEN Chemical products

FOREIGN DEBRIS ITEMS REPORTED:

Location	Source	Type of Debris	Remarks
Baja California Tijuana Beaches	Japan Japan	plastic bag plastic packaging	
Cozumel, Mexico Cozumel	England England France France Honduras Italy Jamaica Japan Puerto Rico United States United States United States	plastic bottle towel glass bottle plate milk bag plate beer bottle bottle body solution plastic bag wine bottle medicine bottle beer cans	Selva Salt Leyde

ENTANGLED WILDLIFE REPORTED:

Crabs entangled in trash

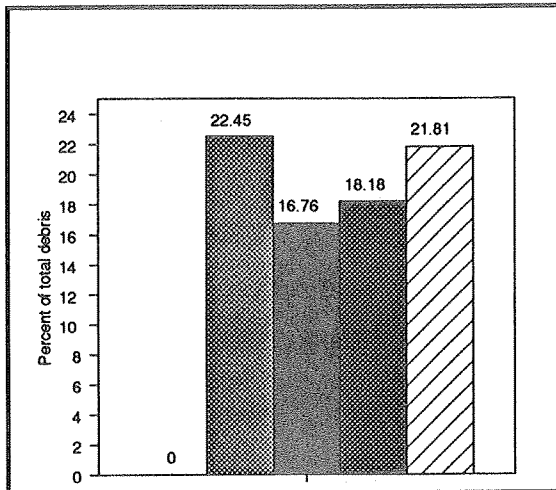
MOST PECULIAR DEBRIS ITEMS REPORTED:

Campeche	windshield, stockings, sheepskin jacket, bag of rotten food, 66 pairs of underwear
Baja California	plastic tubes for hair, plastic Christmas tree branches, water heater, surfboard
Cozumel	sunglasses, brick layer tool, condom, medicine bottle, body solution

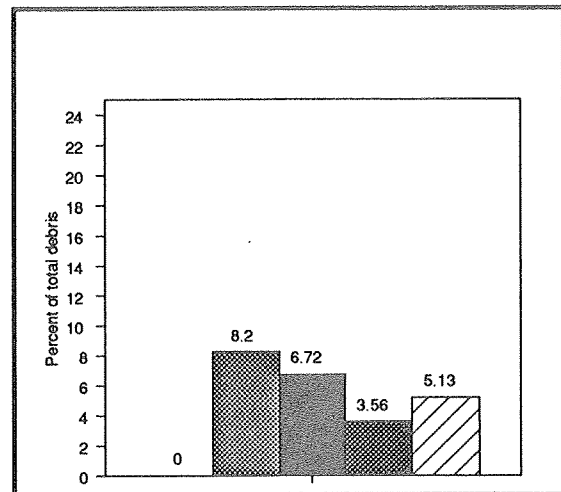
Cozumel, Quintana Roo is the only state in Mexico which has consistently participated in the cleanup. Therefore, trends can only be accurately represented using Cozumel data only.

TRENDS IN MAJOR TYPES AND SOURCES OF COZUMEL'S BEACH DEBRIS:

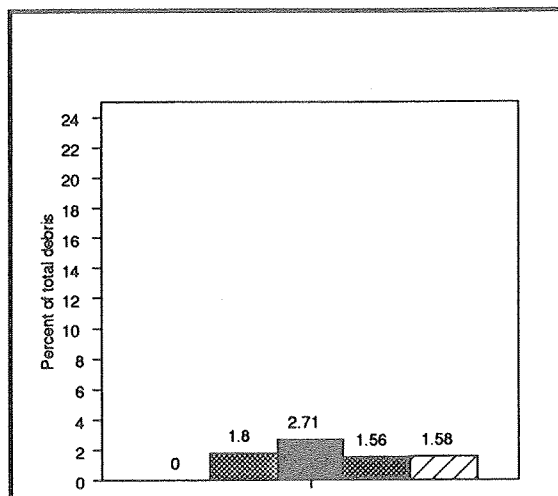
Trends in Bottles & Assoc. Goods



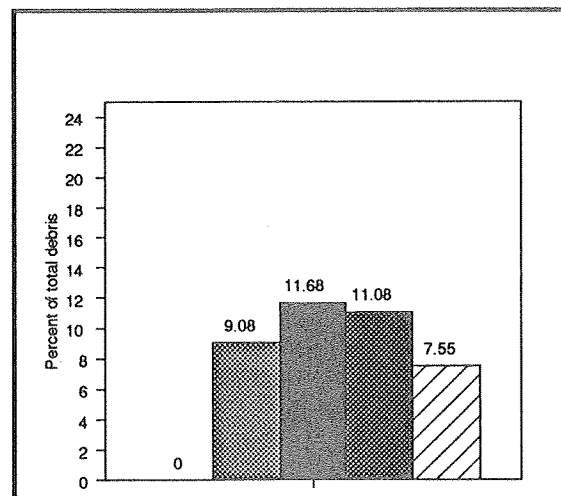
Trends in Comm. Fishing Gear



Trends in Rec. Fishing Gear



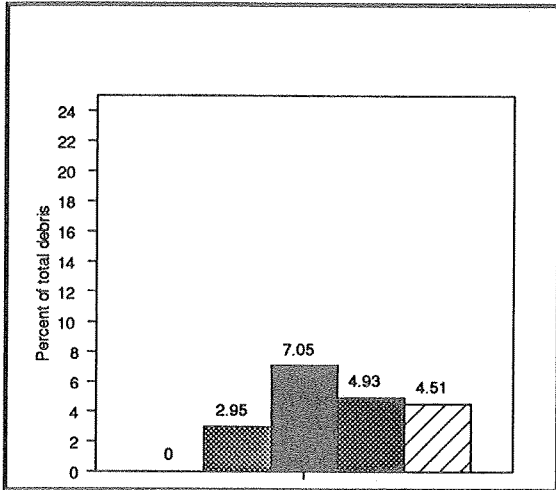
Trends in Galley Waste



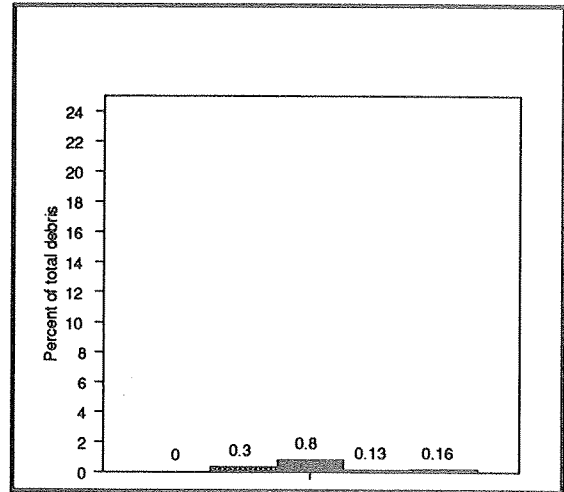
1988
 1989
 1990
 1991
 1992

TRENDS IN MAJOR TYPES AND SOURCES OF COZUMEL'S BEACH DEBRIS (Cont.):

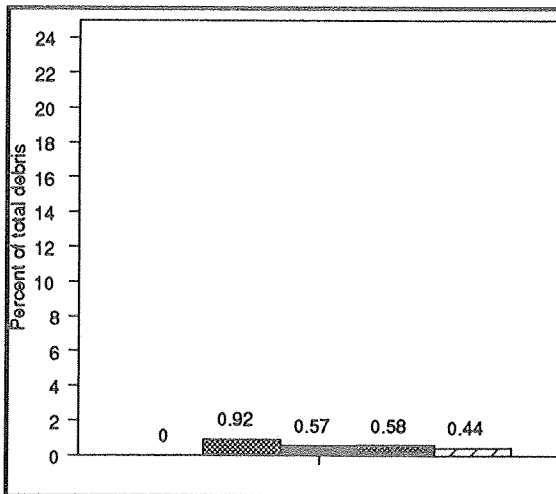
Trends in Operational Waste



Trends in Sewage Waste



Trends in Medical Waste



FOR INFORMATION ON MEXICO'S 1993 COASTAL CLEANUP CONTACT:

Baja California:
 Dr. M. L. Lizarraga Partida
 FEMA, CICESE-Ecologia
 Apartado Postal 2732
 Ensenada, Baja California
 Mexico
 (52) 91-667-60761

Campeche:
 Ana Laura Lara-Dominguez
 Programa de EPOMEX
 Av. Agustin Melgar y Juan de la Barrera
 Apartado Postal 520
 Campeche 24030
 Campeche, Mexico
 (52) 981-11600

1988
 1989
 1990
 1991
 1992

Colima:
Francisco Javier Cardenas Munguia
Pro-Ecologia de Colima
Apartado Postal 29
Colima 28000
Colima, Mexico
(52) 331-29810

Jalisco:
Cathy Acevedo
Pacific Scuba
Francisca Rodroquez
C. P. 48380
Puerto Vallarta, Jalisco
Mexico
(52) 322-24741

Quintana Roo:
German Mendez
Carribean Argonauts
P.O. Box 396
Cozumel 77600
Quintana Roo, Mexico
(52) 987-22564

Prof. Rosalinda Jinich Domingo
Museo de la Isla de Cozumel
Av. Rafael Melgar, Calle 6 Norte
Cozumel 77600
Quintana Roo, Mexico
(52) 987-21545

Tamaulipas:
Janice Jacobs
C/O American Consulate and Rotarian
P. O. Box 633
Brownsville, Texas 78522-0633
(52) 891--6-72-71

Yucatan
Biol. Susana Rojas Glez. de C.
Direccion de Formacion y Education Ambiental
Secretaria de Ecologia del Gobierno del Estado
Merida, Yucatan
Mexico
(52) 91-99-244798

CLEANUP DATE: Contact Coordinator



NETHERLANDS ANTILLES

September 19, 1992
45 Volunteers
2 Miles Cleaned
1,125 Pounds of Debris Collected
20 Data Cards

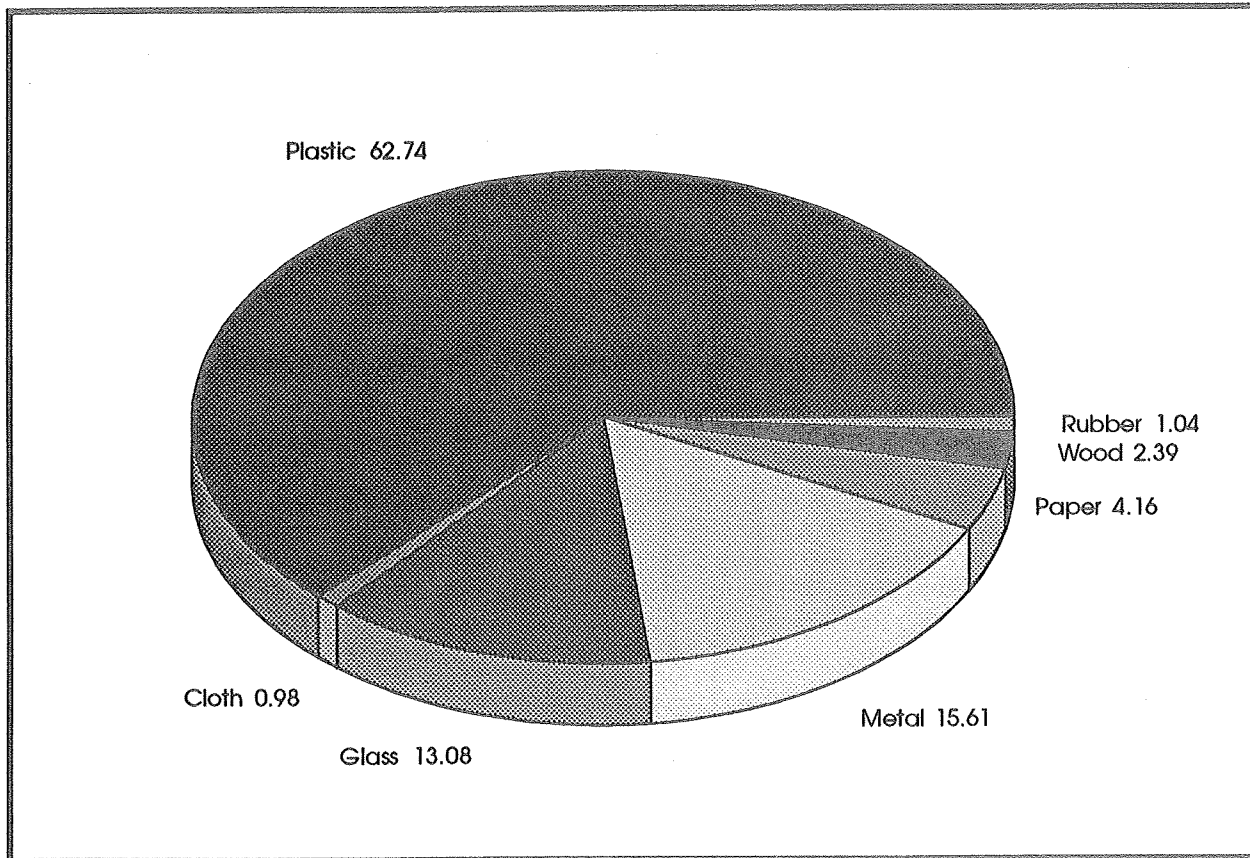
Coordinated by: Susan Walker
Manager, Saba Marine Park
P.O. Box 18
The Bottom, Saba
Netherlands Antilles
011-599-4-63295

Elsje Wilson-Bosch
St. Maarten National Parks Foundation
P.O. Box 426
Phillipsburg, St. Maarten
(599) 5-24454/23379

For the second consecutive year, Saba the smallest island in the Netherlands Antilles, participated in the International Coastal Cleanup. Organized by the Saba Marine Park, cleanup coordinator and Park Manager Susan White proclaimed the cleanup a big success. White reports, "One of the really nice things this year was to hear of cleanup's on other islands in the region, too. The participants in Saba felt much more a part of a global effort, hearing that it was being done on neighboring islands. In 1991, we seemed to be the only one in the region participating."

Susan Walker

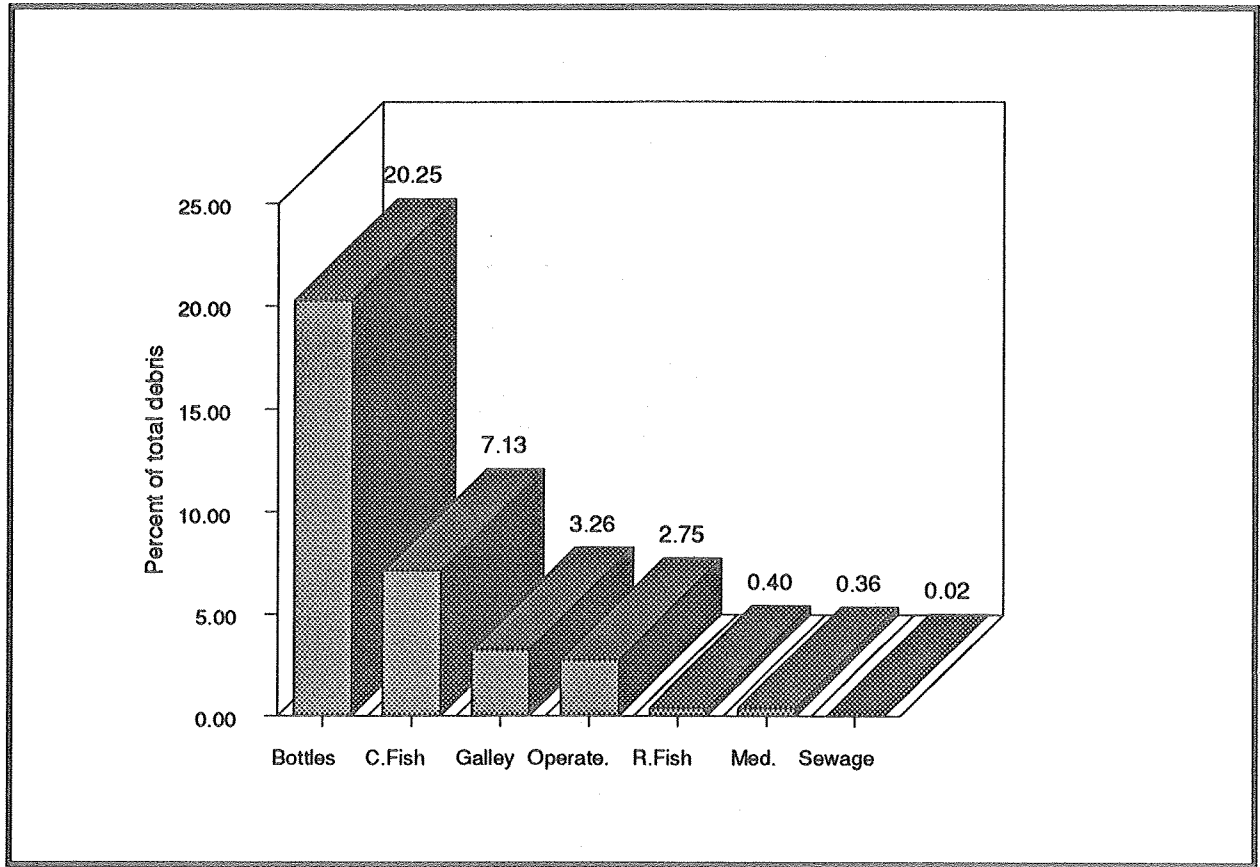
PERCENT COMPOSITION OF NETHERLANDS ANTILLES' BEACH DEBRIS:



NETHERLANDS ANTILLES'S 1992 DIRTY DOZEN:

	Total Number Reported	Percent of Total Debris Collected
1. Plastic pieces	359	6.76
2. Foamed plastic pieces	341	6.42
3. Cigarette butts	336	6.32
4. Plastic cups and utensils	332	6.25
5. Metal bottle caps	318	5.98
6. Glass pieces	313	5.89
7. Plastic rope	306	5.76
8. Plastic caps and lids	294	5.53
9. Glass beverage bottles	276	5.19
10. Metal beverage cans	260	4.89
11. Plastic beverage bottles	185	3.48
12. Plastic straws	174	3.27
Total	3,494	65.75

MAJOR TYPES AND SOURCES OF NETHERLANDS ANTILLES' BEACH DEBRIS:



MAJOR CHARACTERISTICS OF DEBRIS IN EACH ZONE:

Zone Name	Percent Plastic	Most Prevalent Debris Items Reported
Saba	59.68	Cigarette butts
St. Maarten	67.55	Foamed plastic pieces

TRACEABLE DEBRIS REPORTED:

None reported

FOREIGN DEBRIS ITEMS REPORTED:

Location	Source	Type of Debris	Other Remarks
Saba	Mexico	can	"Griffin" shoe polish
St. Maarten	France	plastic bottle	"Laiteries Bridel" milk

STRANDED WILDLIFE REPORTED:

None

MOST PECULIAR DEBRIS ITEMS REPORTED:

Saba goatskin, toilet, T.V., pipewrench
St. Maarten newspaper dated March 1991, toilet seat, shotgun

FOR INFORMATION ON NETHERLANDS ANTILIES' 1993 COASTAL CLEANUP CONTACT:

Aruba:
Roeland E. de Kort, M.Sc.
Directorate of Housing, Physical Development, and Environment
Frankrijkstraat #7
Oranjestad, Aruba
(297) 8-32345

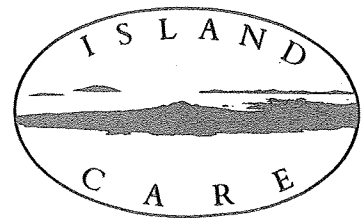
Saba:
Susan Walker
Saba Marine Park
P.O. Box 18
The Bottom, Saba
(599) 4-63295

St. Maarten:
Elsje Wilson-Bosch
St. Maarten National Parks Foundation
P.O. Box 426
Phillipsburg, St. Maarten
(599) 5-24454/23379

CLEANUP DATE: Contact Coordinator



This is what they found on New Zealand beaches.



NEW ZEALAND

September 27, 1992
480 Volunteers
9 Miles Cleaned
4,900 Pounds of Debris Collected
14 Data Cards

Coordinated by: Gael Arnold-Johnson
Island Care
c/o University of Auckland
Private Bag 92019 Auckland,
New Zealand
011-3737-599, Ext. 8439

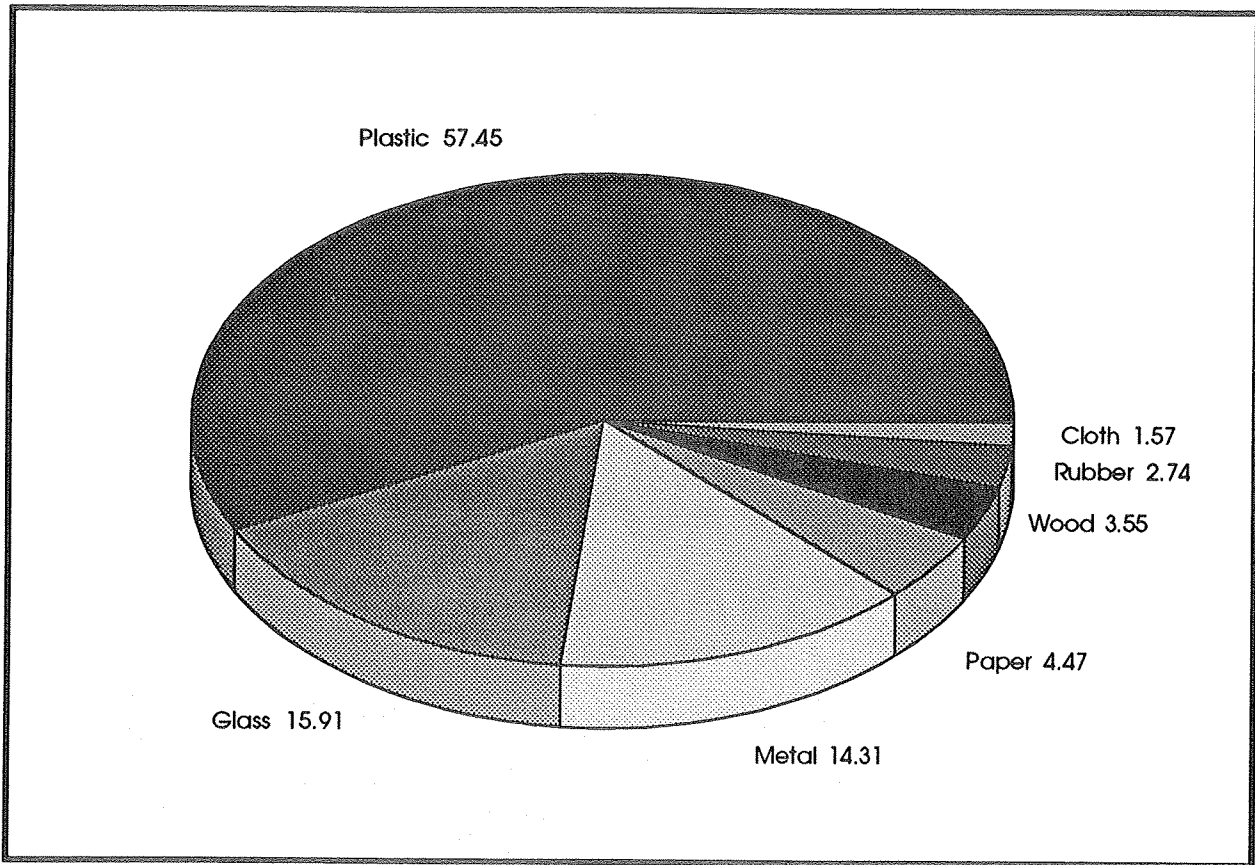
The 1992 Island Care cleanup of the shores of Rangitoto and Motutapu islands took place on the 27th of September, 1992. As was common for winter and spring of 1992, the Auckland weather failed to cooperate and volunteers had to endure constant light drizzle and rain. In spite of the weather there was an excellent turnout of approximately 480 people who all worked extremely hard.

Approximately 27 cubic meters of debris was removed from the island. The highest densities of material were found on the southern and western shores of Rangitoto which are closest to the central city. Unfortunately, much of the coastline in that area is extremely rough, consisting of very coarse volcanic rock from the eruption of Rangitoto approximately 800 years ago. Removal of the debris is therefore difficult, particularly plastic bags, which are often forced into crevices in the rock.

There is no indication that the Island Care cleanups are reducing the amount of debris present in the Hauraki Gulf. We are therefore undertaking a research project intending to identify whether the Auckland stormwater system is a significant source of the debris.

Gael Arnold-Johnson

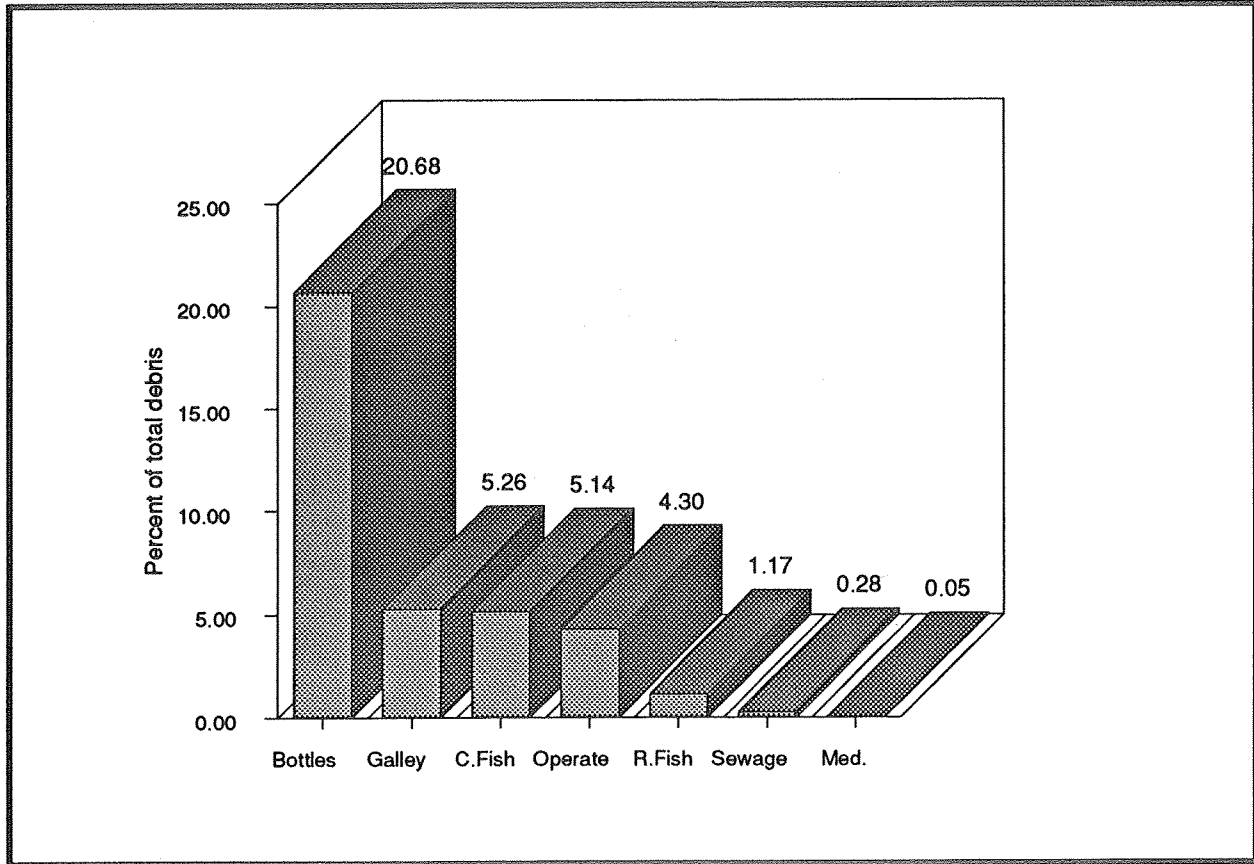
PERCENT COMPOSITION OF NEW ZEALAND'S BEACH DEBRIS:



NEW ZEALAND'S 1992 DIRTY DOZEN:

	Total Number Reported	Percent of Total Debris Collected
1. Glass pieces	819	6.67
2. Plastic caps and lids	656	5.35
3. Metal beverage cans	633	5.16
4. Plastic beverage bottles	614	5.00
5. Glass beverage bottles	599	4.88
6. Plastic straws	571	4.65
7. Foamed plastic pieces	544	4.43
8. Plastic six-pack holders	445	3.63
9. Plastic pieces	411	3.35
10. Plastic rope	393	3.20
11. Plastic strapping bands	342	2.79
12. Plastic food bags and wrappers	341	2.78
Total	6,368	51.89

MAJOR TYPES AND SOURCES OF NEW ZEALAND'S BEACH DEBRIS:



MAJOR CHARACTERISTICS OF DEBRIS IN EACH ZONE:

Zone Name	Percent Plastic	Most Prevalent Debris Item Reported
Rangitoto	55.56	Glass pieces
Motutapu	71.93	Plastic strapping bands

TRACEABLE DEBRIS REPORTED:

None

FOREIGN DEBRIS ITEMS REPORTED:

None

ENTANGLED WILDLIFE REPORTED:

None

MOST PECULIAR DEBRIS ITEMS REPORTED:

Rangitoto ballet slipper, message in a bottle, scrum machine

FOR INFORMATION ON NEW ZEALAND'S 1993 COASTAL CLEANUP CONTACT:

Gael Arnold-Johnson
Island Care
c/o University of Auckland
Private Bag 92019 Auckland, New Zealand
011-3737-599, Ext. 8439

CLEANUP DATE: Contact Coordinator

NIGERIA

September 19
10 Volunteers
1 Mile Cleaned
60 Pounds of Debris Collected

Coordinated by: Adeyemi Ayodeji
15 Omodeinde Street
P.O. Box 156
Agege, Lagos State
Nigeria
(1) 636887

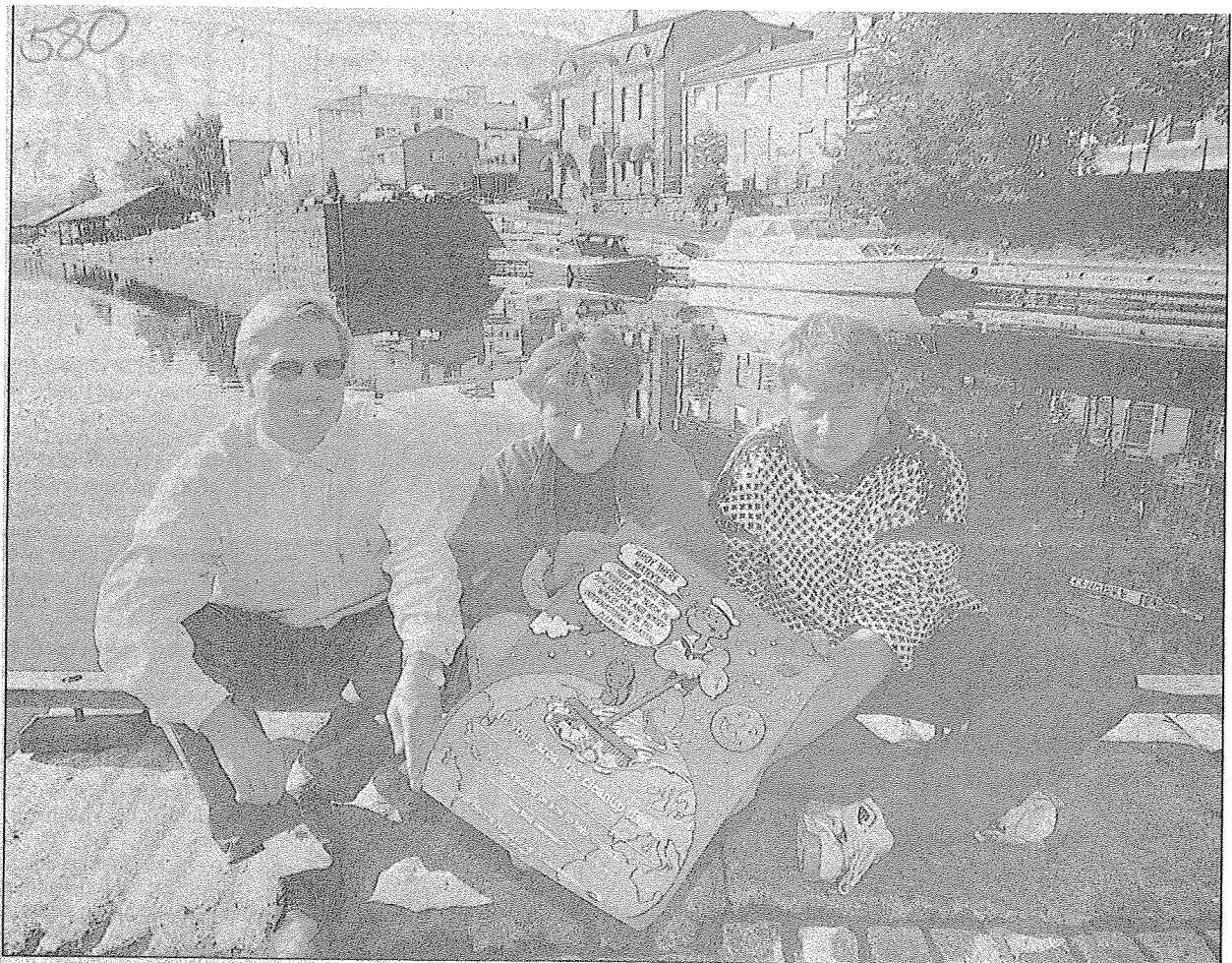
The Nigeria 1992 Coastal Cleanup was held on the 19th of September with a turnout of ten volunteers. These volunteers picked up more than 60 pounds of debris along the Victoria Island beach in Lagos State. The area covered was about a mile.

Due to the lack of finances and a sponsor to publicize the cleanup throughout the country, the turnout for the "Beach Sanitation Exercise" was low. Also, the primary election for the presidential candidate of the two political parties in Nigeria was held on the same day; therefore there were restrictions on the movement of vehicles from the morning until 2:00 p.m. This caused the cleanup to begin late.

The 1992 Beach Sanitation Exercise was sponsored by me, but I hope to find outside sponsors for 1993, especially in the area of publicity.

Adeyemi Ayudeji

Editor's note: Nigeria's data cards were recieved too late for inclusion in this report. We hope for better luck next year.



OPPRENSKING: Lørdag skal det renskes opp i Hjellevannet. Representanter for aksjonen er Jørn Hegna, Servicebyen Skien, Anne Berit Steinseth, Skien kommune og Kyrre Dahlgren, fra dykkerklubbene.

HJELLEVANNET SKAL RENSKES

SKIEN: Lørdag 19. september er dagen da et verdensomfattende miljøverntiltak trår i gang. Et samarbeid mellom Havkatten Dykkerklubb, Telemark Dykkesenter, Grenland Folkehøgskole og Servicebyen Skien, gjør det mulig for annet år på

rad å ta en opprensning rundt inngangen til Telemarkskanalen.

Det er The Center for Marine Conservation som står bak aksjonen og vil holde nærmere en million dykkere aktive. Selve poenget med saken er å renske opp i vann og vassdrag over hele verden.

– Havkatten Dykkerklubb har en egen dykkerskøyte som vil lig-

ge i Hjellen lørdag. Ved hjelp av en dykkerplattform vil dykkerne ta seg ned i vannet og samle søppel. Alt som blir samlet registreres og sendes til The Center for Marine Conservation. Denne registreringer er viktig for å kartlegge hva folk dumper i sjøen, sier Kyrre Dahlgren.

Lørdag formiddag er det forberedelser for selve ryddingen som begynner ved middagstid. I et par timer kan de som ønsker det

få et innblikk i det skrapet som eventuelt finnes i Hjellevannet. Selv om det ikke er mange år siden sist en undervannssoppyrdding fant sted, og selv om både vannkvalitet og bunnforhold er blitt bedre, er det intet vakkert syn som møter en dersom en får en «kikk» under vann.

Kanskje er det ditt gamle kjøleskap som ligger og venter på dagslys?

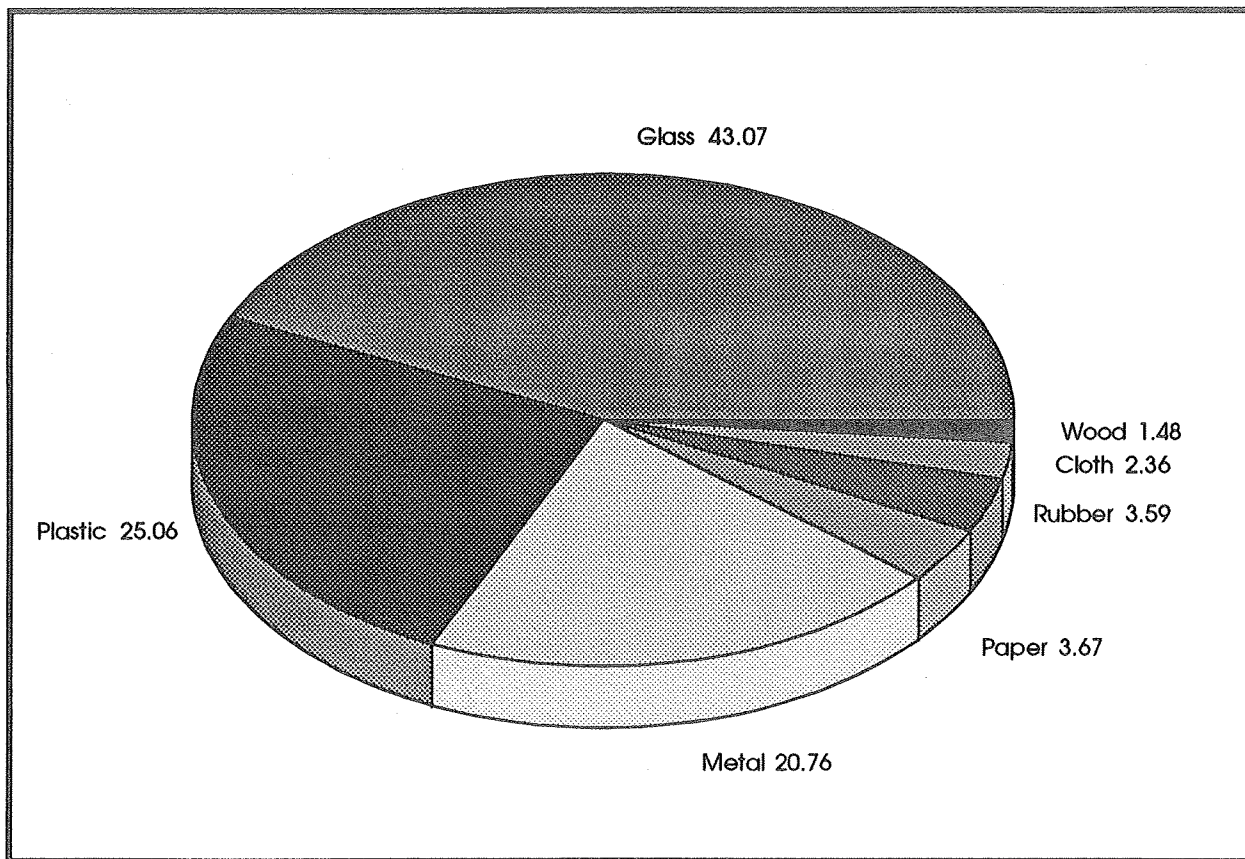
NORWAY

COASTWEEKS
135 Volunteers
1 Mile Cleaned
12,000 Pounds of Debris
61 Data Cards

Coordinated by: Harold Bikra
PADI Norway
Waldemar Thranesgt
84 B, 0175
Oslo 1 Norway
011-47-2-38-02-59

See Denmark Description.

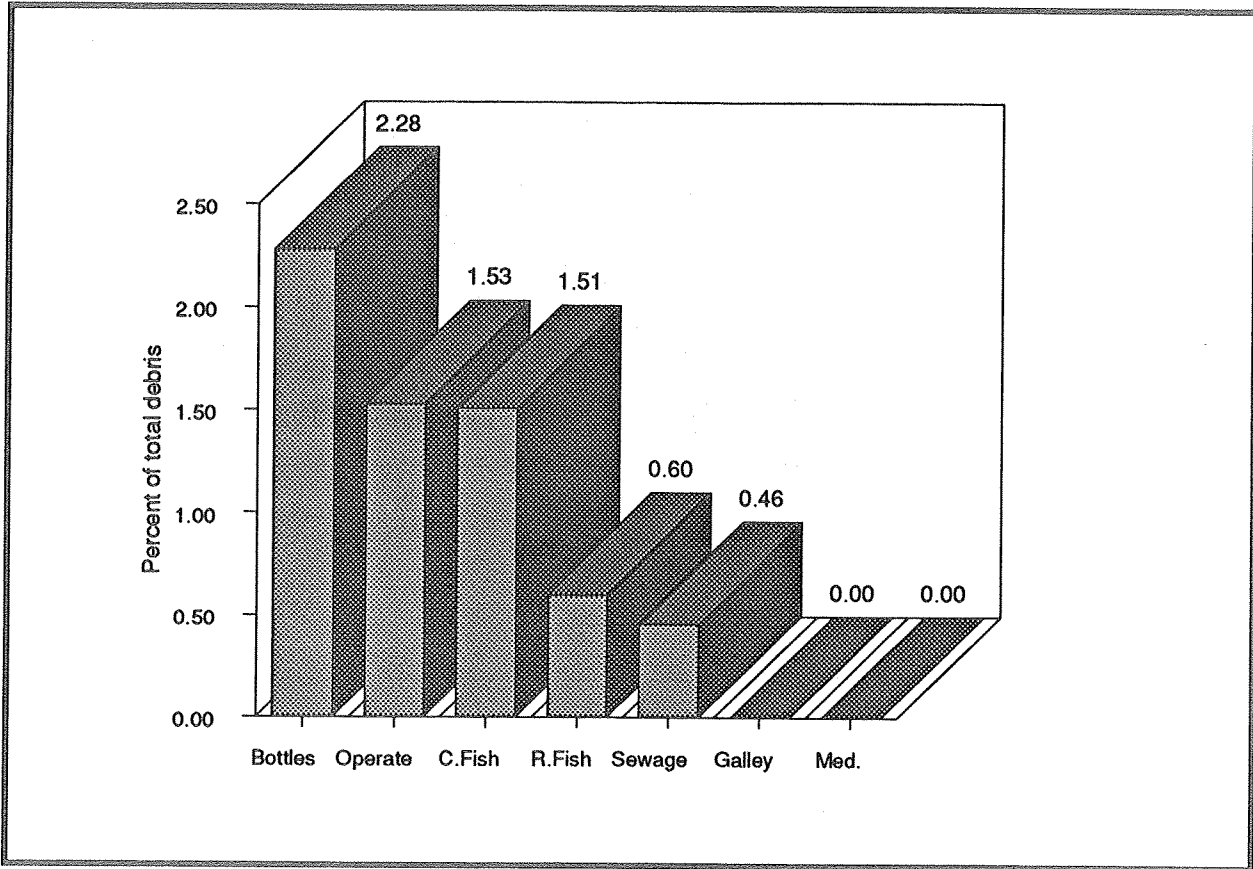
PERCENT COMPOSITION OF NORWAY'S BEACH DEBRIS:



NORWAY'S 1992 DIRTY DOZEN:

	Total Number Reported	Percent of Total Debris Collected
1. Glass beverage bottles	1,816	28.61
2. Glass pieces	494	7.78
3. Metal pieces	482	7.59
4. Plastic pieces	331	5.21
5. Plastic cups and utensils	225	3.54
6. Miscellaneous metal cans	222	3.50
7. Plastic food bags	219	3.45
8. Miscellaneous plastic bottles	188	2.96
9. Clothing	150	2.36
10. Rubber Tires	114	1.80
11. Metal Bottle caps	92	1.45
12. Wire	91	1.43
Total	4,424	69.69

MAJOR TYPES AND SOURCES OF NORWAY'S BEACH DEBRIS:



MAJOR CHARACTERISTICS OF DEBRIS IN EACH ZONE:

Data was only collected from one zone in Norway.

TRACEABLE DEBRIS REPORTED:

None

FOREIGN DEBRIS ITEMS REPORTED:

None

ENTANGLED WILDLIFE REPORTED:

None

MOST PECULIAR DEBRIS ITEMS REPORTED:

None

FOR INFORMATION ON NORWAY'S 1993 COASTAL CLEANUP CONTACT:

Harald Blikra
PADI Norway
Waldemar Thranesgt
84 b, 0175
Oslo 1, Norway
(47) 2-38-0259

CLEANUP DATE: Contact Coordinator

PAKISTAN

COASTWEEKS
170 Volunteers
3 Miles Cleaned
1,000 Pounds of Debris Collected

Coordinated by: Ali Kahsan
Environmental Protection Society
H.9, St.85, G-6/4
Embassy Road
Islamabad, Pakistan

Ali Siddiqui of the Environmental Protection Society in Karachi, Pakistan first heard of the International Coastal Cleanup through an Archie comic book . . . undoubtedly the most unusual way we have come into contact with an international coordinator! Although Ali had planned extensive September cleanups along beaches in Karachi as well as Rawal Lake in Islamabad, horrendous weather conditions resulting in massive flooding forced Ali to postpone the event in Pakistan until the first of December. But despite the many problems faced, 70 volunteers cleaned three miles of Pakistan's coastline, collecting 1000 pounds of debris. Most of the debris items were plastic. Examples of items found were two empty oil drums, polythene bags, and plastic water bottles.

Editor's Note: Unfortunately we were unable to receive data cards from Pakistan's 1992 cleanup due to postal complications.

PANAMA

COASTWEEKS
270 Volunteers
21 Miles Cleaned
5,120 Pounds of Debris Collected

Coordinated by: Marco A. Gandasegui N.
Communications Officer
Asociacion Nacional para la
Conservacion de la Naturaleza
Apartado 138, Panama 1
Republica de Panama
011-507-64-8100

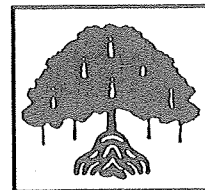
More than 250 volunteers participated in the Panama coastal cleanup, collecting trash and data along the beaches of Veracruz and Amador. Even though it rained on us, the work continued smoothly. The cleanup lasted about six hours and about 20 miles of coastline was cleaned. Approximately 1,000 pounds of garbage were collected -- cigarette butts and styrofoam being the most common objects found. Among the oddest things found were a car engine, two transmissions, a 5.5 gallon tank containing toxic petroleum byproducts and a stash of drugs recently washed ashore. One of Panama's leading newspapers covered Panama's participation in the International Coastal Cleanup on the day following the event.

Editor's Note: During Panama's cleanup, data cards were destroyed by a rain storm. We are hoping for better luck in 1993.



Singapore volunteers roll in a big tire.

SINGAPORE



September 18, 1992
1,164 Volunteers
14 Miles Cleaned
7,480 Pounds of Debris Collected

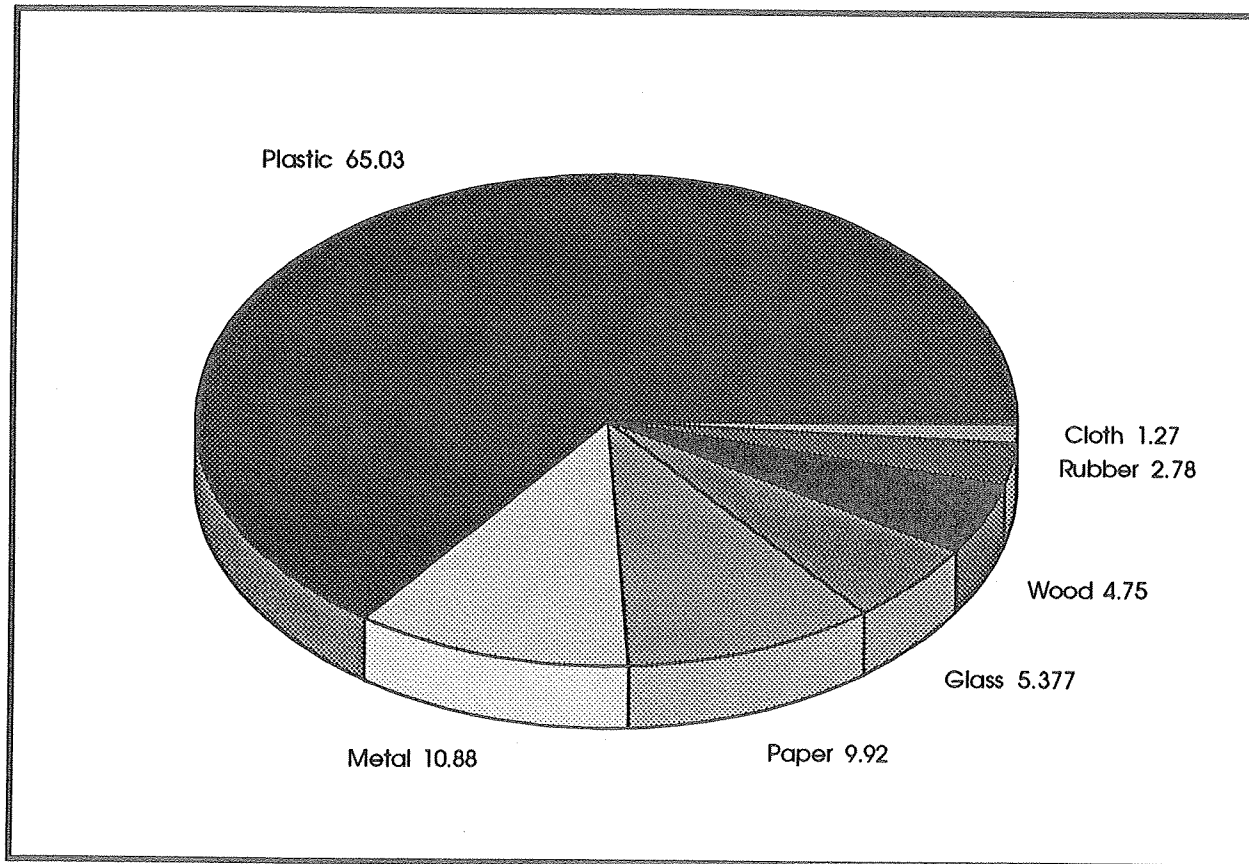
Coordinated by: Kate Grace Thome
Singapore American School
Ulu Pandan Campus
60 King's Road
Singapore 1026
011-65-467-0022

This was Singapore's first year to participate in the international effort. Over 1,100 volunteers worked together to cleanup Singapore beaches. Our efforts were on public beaches of about 23 kilometers. Some are cleaned daily by paid workers, others are maintained by schools who have Adopt-A-Beach programs. Nevertheless, a considerable amount of debris was collected. Singapore has quite a strategic location as a major port and dry dock, as well as being in the international shipping lanes. A cruise ship center has also been opened within the past year, too.

The data collected showed that pieces of plastic, styrofoam, glass, metal, paper, lumber and cloth were the most abundant in all the beaches. The source of debris came from several sources: land based litter which washed into open drains on the island, and then into the sea, sea litter and litter from surrounding countries are brought to shore by the seasonal southwest Monsoon, and visitors to the beach.

Kate Grace Thome

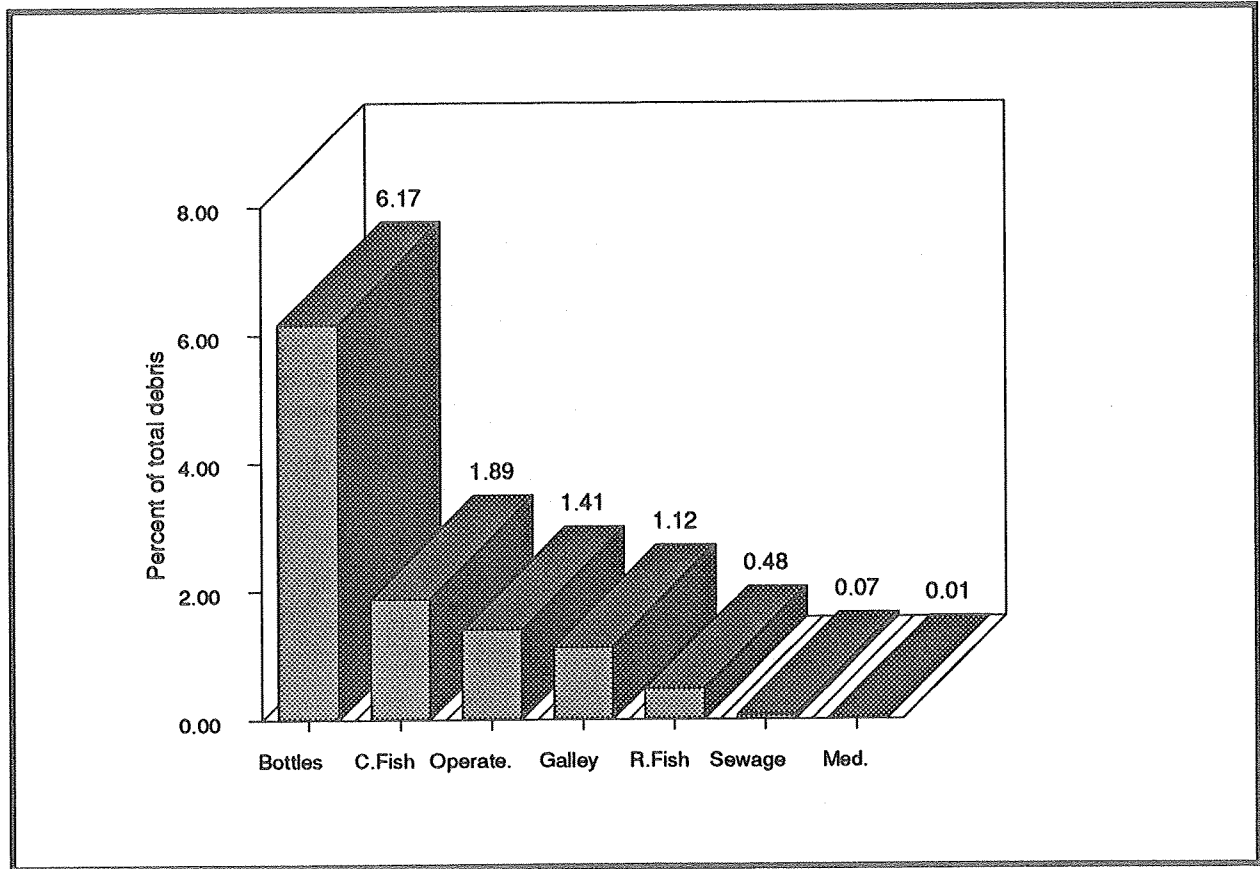
PERCENT COMPOSITION OF SINGAPORE'S BEACH DEBRIS:



SINGAPORE'S 1992 DIRTY DOZEN:

	Total Number Reported	Percent of Total Debris Collected
1. Cigarette butts	22,699	30.65
2. Foamed plastic pieces	12,847	17.34
3. Plastic pieces	4,471	6.04
4. Plastic straws	3,145	4.25
5. Paper pieces	3,049	4.12
6. Plastic food bags and wrappers	2,642	3.57
7. Metal pull tabs	2,574	3.48
8. Glass pieces	1,997	2.70
9. Plastic caps and lids	1,174	1.59
10. Miscellaneous plastic bags	1,050	1.42
11. Plastic rope	900	1.22
12. Metal bottle caps	806	1.09
Total	57,354	77.44

MAJOR TYPES AND SOURCES OF SINGAPORE'S BEACH DEBRIS:



MAJOR CHARACTERISTICS OF DEBRIS IN EACH ZONE:

Zone Name	Percent Plastic	Most Prevalent Debris Item Reported
East Coast Park	77.71	Cigarette butts
Palau Uloin	54.53	Plastic food bags and wrappers
Pasik Ris Park	70.20	Plastic food bags and wrappers
Changi Beach	71.02	Cigarette butts

TRACEABLE DEBRIS REPORTED:

None

FOREIGN DEBRIS REPORTED:

None

ENTANGLED WILDLIFE REPORTED:

None

MOST PECULIAR DEBRIS ITEMS REPORTED:

East Coast Park	lunchbox, concrete, silver ring, carpet
Pasik Ris Park	rubber dingy, door frame, TV tube, VCR with tape inside

FOR INFORMATION ON SINGAPORE'S 1993 COASTAL CLEANUP CONTACT:

Ms. Evelyn Lim-Eng
The Nature Society (Singapore)
7 Asimont Lane
Singapore 1130

CLEANUP DATE: Contact Coordinator



Korean volunteers turn out in mass quantities.

SOUTH KOREA

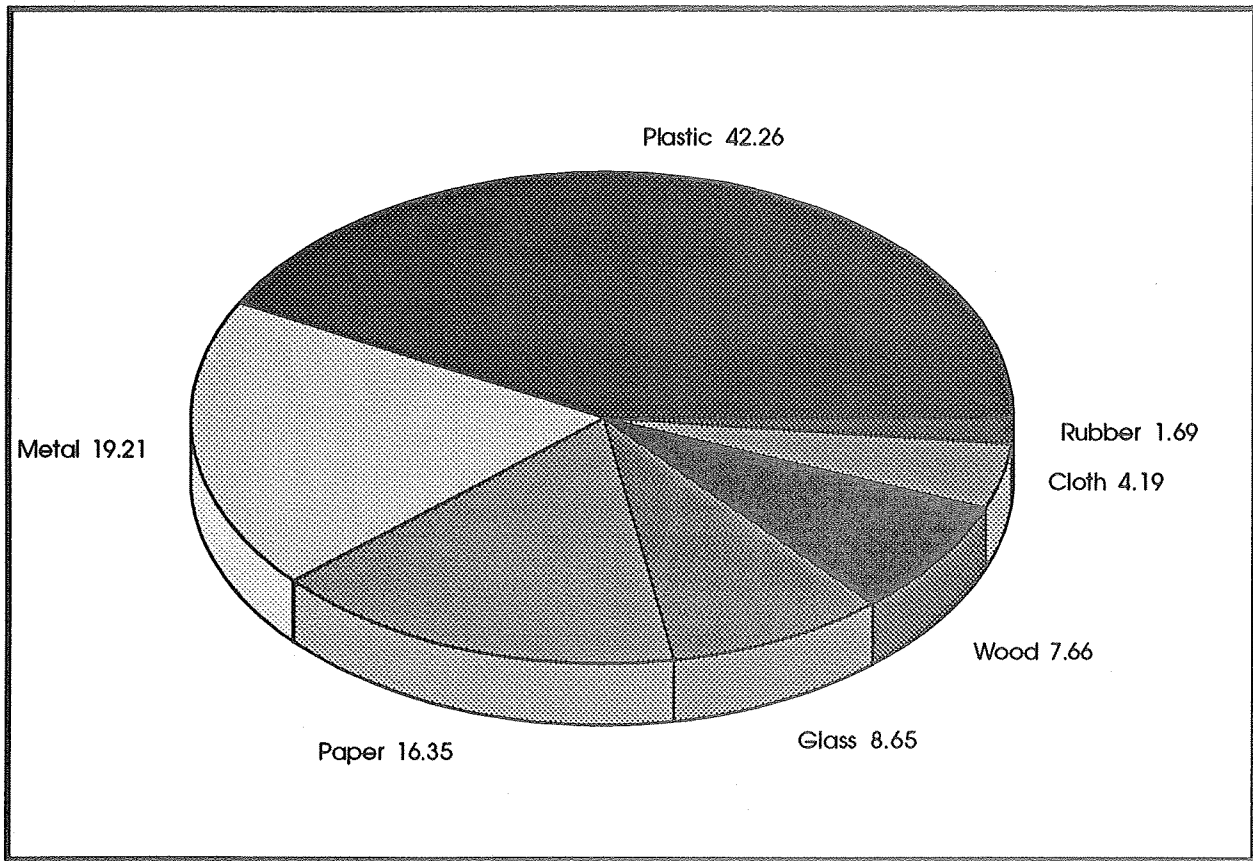
September 5, 1992
837 Volunteers
7 Miles Cleaned
14,450 Pounds of Debris Collected
2 Data Cards

Coordinated by: Sung-Hyun Kahng
Chemical Oceanography Lab.
KORDI
An San, P.O. Box 29
Sedoul 425-6000 Korea
011-02-863-4770

The Korean Ministry of the Environment coordinated the cleanup in 92 regions of coastal Korea on the same day. Because this was the first time that such an event took place in Korea, KORDI and the Ministry distributed data cards in only two regions on the eastern coast to make sure the data collection was done as accurately as possible. About 1,000 high school students participated in the data collection effort after receiving instructions and viewing a slide show at the high school. Among the items found were many butane gas containers for outdoor cooking, wooden chopsticks, and vinyl threads.

Dr. Dong Beom Yang

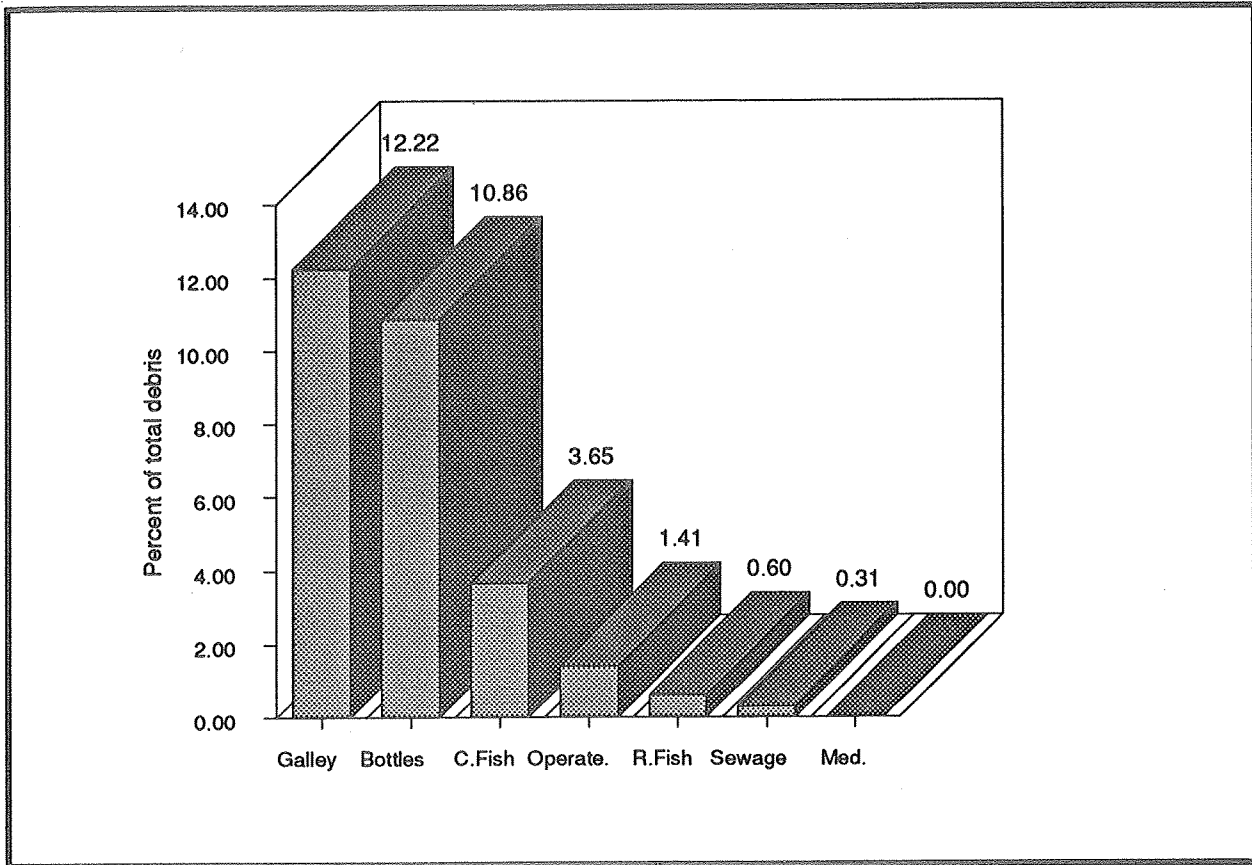
PERCENT COMPOSITION OF SOUTH KOREAS' BEACH DEBRIS:



SOUTH KOREA'S 1992 DIRTY DOZEN:

	Total Number Reported	Percent of Total Debris Collected
1. Plastic trash bags	1,987	10.41
2. Wire	1,352	7.09
3. Plastic food bags and wrappers	1,213	6.36
4. Lumber pieces	1,188	6.23
5. Paper pieces	1,046	5.48
6. Glass pieces	1,044	5.47
7. Miscellaneous plastic bags	865	4.53
8. Foamed plastic pieces	829	4.34
9. Metal beverage cans	829	4.34
10. Plastic pieces	800	4.19
11. Clothing	800	4.19
12. Metal pieces	526	2.76
Total	12,479	65.40

MAJOR TYPES AND SOURCES OF SOUTH KOREA'S BEACH DEBRIS:



MAJOR CHARACTERISTICS OF DEBRIS IN EACH ZONE:

Zone Name	Percent Plastic	Most Prevalent Debris Item Reported
Sokcho	36.32	Plastic trash bags
Chumunjin	47.31	Plastic trash bags

TRACEABLE DEBRIS REPORTED:

None

FOREIGN DEBRIS REPORTED:

None

ENTANGLED WILDLIFE REPORTED:

None

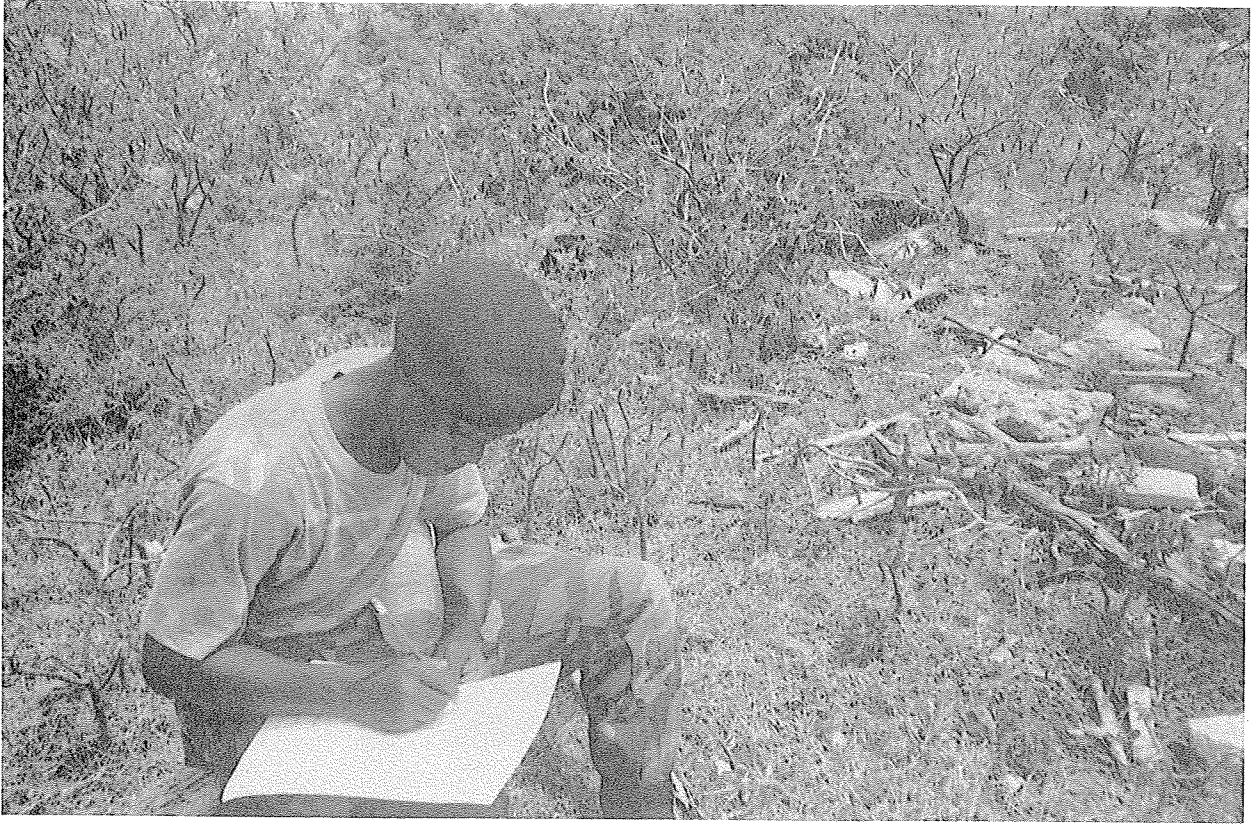
MOST PECULIAR DEBRIS ITEMS REPORTED:

None

FOR INFORMATION ON SOUTH KOREA'S 1993 COASTAL CLEANUP CONTACT:

Sung-Hyun Kahng
Chemical Oceanography Lab.
KORDI
An San, P.O. Box 29
Seoul 425-6000 Korea
011-02-863-4770

CLEANUP DATE: Contact Coordinator



Cadet filling in information on his data card, in St. Kitts/Nevis.

ST. KITTS/NEVIS

September 1 - 18, 1992
122 Volunteers
7 Miles Cleaned
1,860 Pounds of Debris Collected
35 Data Cards

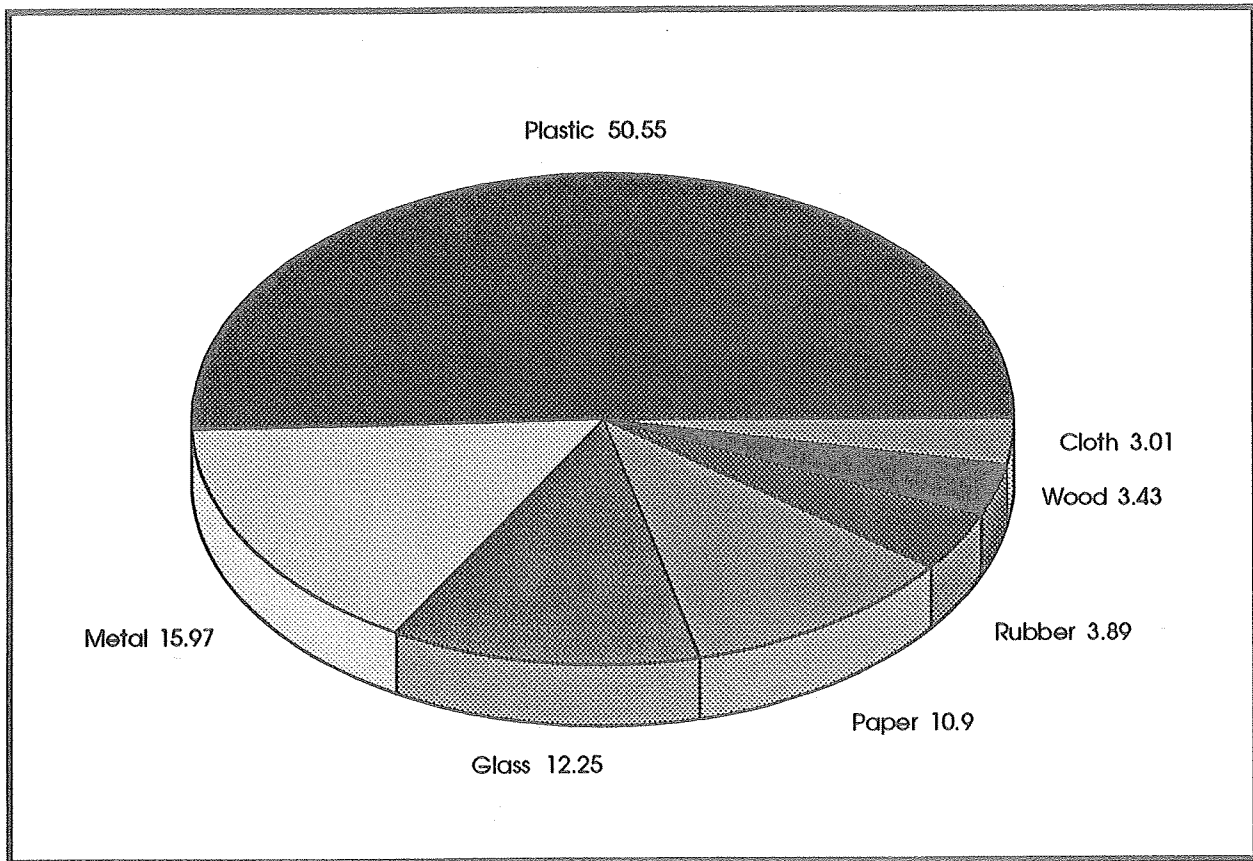
Coordinated by: Lloydster Parris
The Nevis Historical and Conservation Society
P.O. Box 563
Charleston, Nevis
(809) 469-5786

September 1-18, Nevis church, school and community groups participated in a regional beach cleanup campaign sponsored by the Center for Marine Conservation and the Caribbean Conservation Association, Barbados. The Nevis Historical and Conservation Society was the local sponsor and Mr. Lloydster Parris, NHCS research assistant, was the local coordinator. Mr. Parris was pleased with the public participation and the cooperation of the Public Health Department.

Merchants who contributed garbage bags for the project are Main Street Super Market, R.G. Solomon and Sons, Chiverton Hardware, Tony's Super Market, and Super Foods.

Lloydster Parris

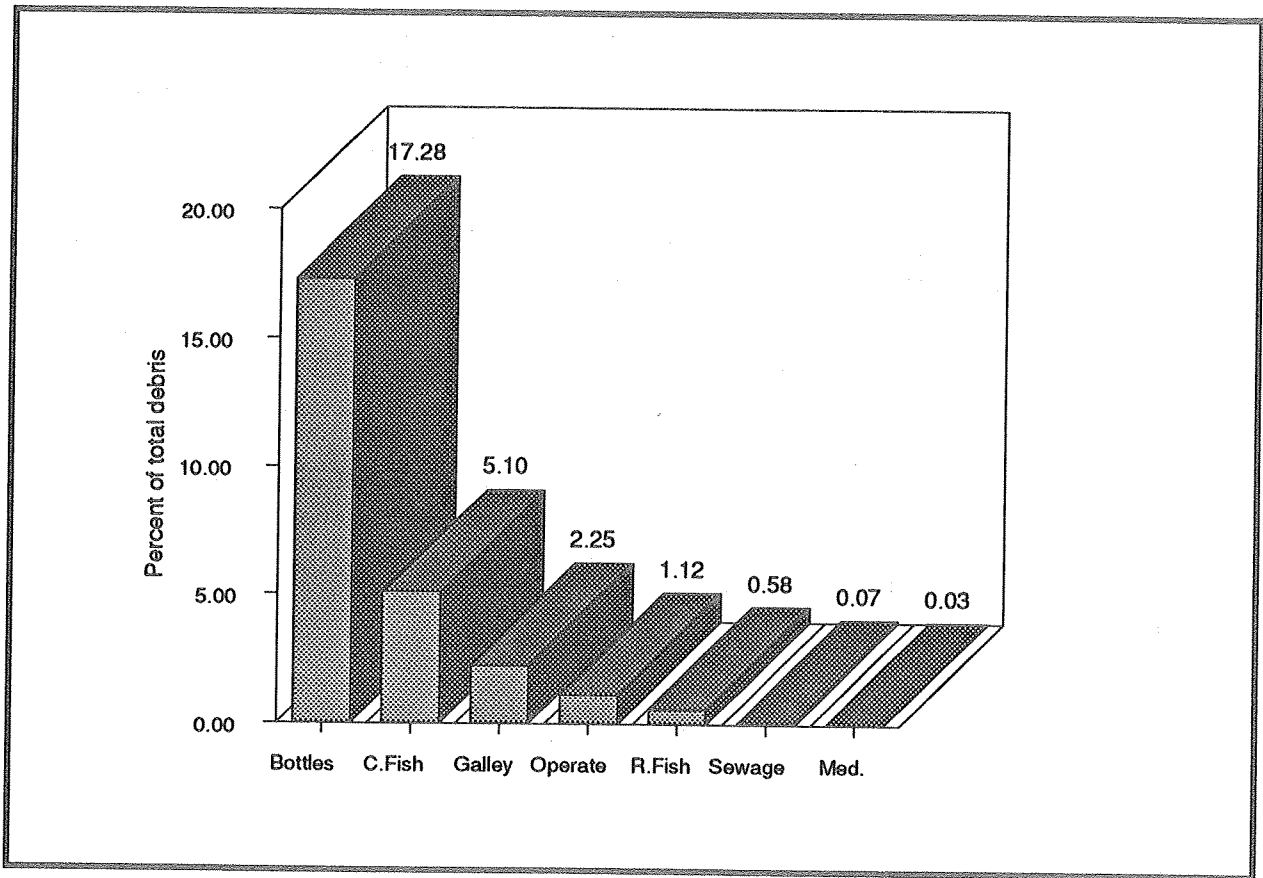
PERCENT COMPOSITION OF ST KITTS/NEVIS' BEACH DEBRIS:



ST. KITTS/NEVIS 1992 DIRTY DOZEN:

	Total Number Reported	Percent of Total Debris Collected
1. Glass beverage bottles	396	6.61
2. Plastic pieces	379	6.32
3. Plastic cups and utensils	302	5.04
4. Plastic rope	231	3.85
5. Plastic beverage bottles	223	3.72
6. Metal beverage cans	222	3.70
7. Foamed plastic pieces	215	3.59
8. Cigarette butts	189	3.15
9. Metal bottle caps	187	3.12
10. Plastic caps and lids	185	3.09
11. Clothing	175	2.92
12. Glass pieces	162	2.70
Total	2,866	47.81

MAJOR TYPES AND SOURCES OF ST KITTS/NEVIS' BEACH DEBRIS:



MAJOR CHARACTERISTICS OF DEBRIS IN EACH ZONE:

Zone Name	Percent Plastic	Most Prevalent Debris Items
Long Haul Bay	61.73	Glass beverage bottles
New River	65.96	Plastic pieces
Bath Plain Village	33.05	Glass beverage bottles
Gallows Bay	50.45	Cups and utensils
Jessups Beach	53.68	Cigarette butts
Paradise Beach	33.67	Metal bottle caps

TRACEABLE DEBRIS REPORTED:

Location	Type of Debris	Source Indicated
Paradise Beach	100 cylinder propane tank	Shell Gas Comapny

FOREIGN DEBRIS ITEMS REPORTED:

Location	Source	Type of Debris	Other Remarks
Jessups Bay	United States	plastic bottle	Texaco Lubricant Company

STRANDED AND/OR ENTANGLED WILDLIFE REPORTED:

None reported

MOST PECULIAR DEBRIS ITEMS REPORTED:

None reported

FOR INFORMATION ON ST KITTS/NEVIS' 1993 COASTAL CLEANUP CONTACT:

Lloydster Parris
The Nevis Historical and Conservation Society
P.O. Box 563
Charleston, Nevis
(809) 469-5786

CLEANUP DATE: Contact Coordinator



Excuse me, but did you forget this? A sample of trash on a Chicago beach.

UNITED STATES

COASTWEEKS

134,629 Volunteers

4,461 Miles Cleaned

2,804,248 Pounds of Debris Collected

21,014 Data Cards

Coordinated by: Center for Marine Conservation

1725 De Sales Street, Suite 500

Washington, DC 20036

(202) 429-5609

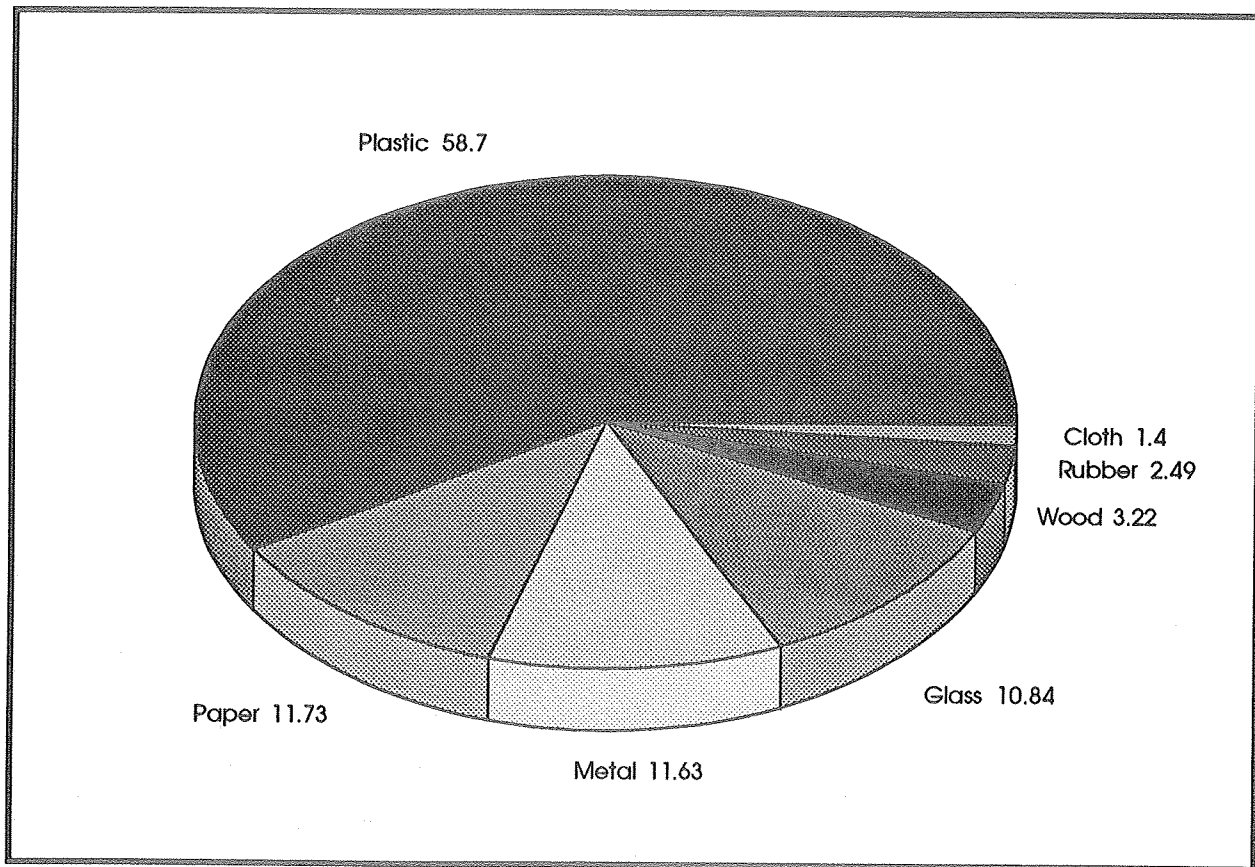
The national data collected during the 1992 International Coastal Cleanup paints a garbage-strewn picture of the United States coastline and inland shores. Despite four full years since the implementation of the Marine Plastic Pollution Research and Control Act (MPPRCA), the U.S. law that implements MARPOL Annex V, we have yet to witness a substantial decrease in the amount of trash washing up on our shores. Although U.S. data does indicate a slight decrease from 1991 in the total poundage of debris collected during the cleanup, this minor improvement is no reason to celebrate. Particularly discouraging is the high percentage of plastic that continues to dominate the marine debris realm. Given that the primary component of the MPPRCA is a ban on the disposal of plastics at sea, we must face the fact that this ban is simply *not working*.

We also must acknowledge that land-based sources provide a large share of marine debris, making the problem much more complicated than simply persuading ocean-going vessels to keep their solid waste onboard until they dock. Among the varied land-based sources are beach-goers, construction sites, and above all, sewer and storm drain systems. Every time it rains, water escapes streets through storm drains, carrying with it all sorts of trash from the roadways. This trash may be either deposited directly into the local waterway, or channeled to sewage treatment tanks. When these tanks receive more water than they can handle, they deposit the excess water into systems in the United States, such overflows are more and more common. Debris that reaches the water through storm drains and sewers falls under the jurisdiction of the Clean Water Act.

To date, both the MPPRCA and the Clean Water Act have seemingly failed the public judging by the beach cleanup data collected by more than 132,000 volunteers in 33 U.S. states and territories last fall. Due in part to the implicating evidence gathered during cleanups, these two Acts are currently under close scrutiny by Congress. In the fall of 1993, new and improved versions of the Clean Water Act and the MPPRCA will face a vote on the House and Senate floors.

But legislation alone cannot solve the problem of marine debris. The growing trend in public awareness and citizen pollution reporting, as evidenced by the expanding cleanup and other volunteers programs, must continue. Marine debris must be tackled on the individual, community, and government levels if we ever hope to see an end to the harm inflicted on our wildlife and ourselves by the ever apparent tide of trash.

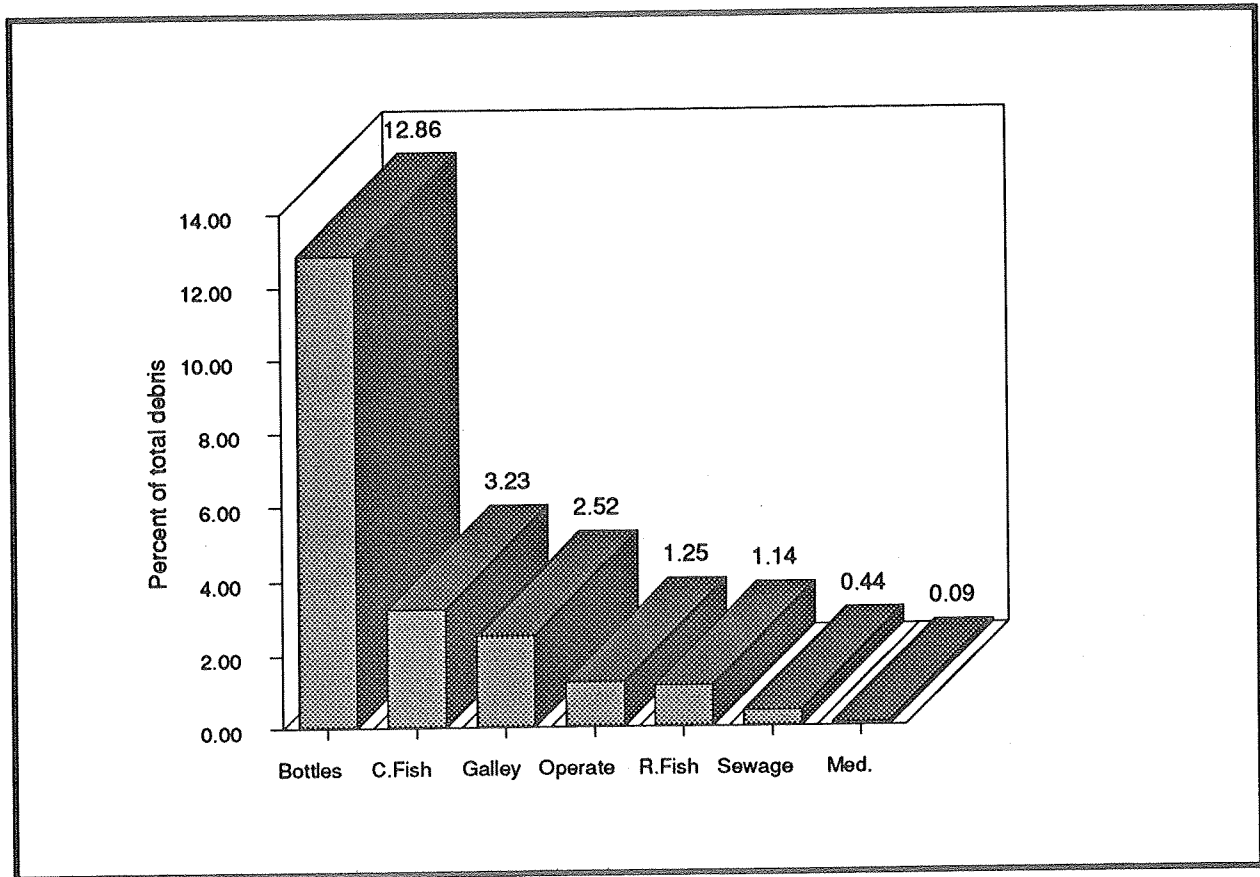
PERCENT COMPOSITION OF UNITED STATES' BEACH DEBRIS:



UNITED STATES' 1992 DIRTY DOZEN

	Total Number Reported	Percent of Total Debris Collected
1. Cigarette butts	775,438	16.80
2. Plastic pieces	314,494	6.81
3. Foamed plastic pieces	251,083	5.44
4. Plastic food bags	229,636	4.97
5. Paper pieces	220,427	4.77
6. Glass pieces	196,006	4.25
7. Plastic caps and lids	185,544	4.02
8. Metal beverage cans	173,654	3.76
9. Glass beverage bottles	157,684	3.42
10. Plastic straws	155,247	3.36
11. Foamed plastic cups	113,690	2.46
12. Plastic beverage bottles	104,251	2.26
Total	2,877,154	62.32

MAJOR TYPES AND SOURCES OF UNITED STATE'S BEACH DEBRIS:



MAJOR CHARACTERISTICS OF DEBRIS IN EACH ZONE:

Zone Name	Percent Plastic	Most Prevalent Debris Items Reported
Alabama	63.12	Cigarette butts
Alaska	47.35	Metal beverage cans
California	54.64	Cigarette butts
Connecticut	53.55	Cigarette butts
Delaware	60.08	Glass pieces
District of Columbia	74.39	Foamed plastic pieces
Florida	60.30	Cigarette butts
Georgia	59.50	Metal beverage cans
Hawaii	51.88	Cigarette butts
Illinois	51.02	Cigarette butts
Louisiana	69.95	Plastic pieces
Maine	52.10	Cigarette butts
Maryland	59.35	Plastic pieces
Michigan	62.79	Cigarette butts
Minnesota	42.42	Cigarette butts
Mississippi	61.31	Cigarette butts

MAJOR CHARACTERISTICS OF DEBRIS FOR EACH ZONE (Cont.):

Zone Name	Percent Plastic	Most Prevalent Debris Item Reported
New Hampshire	54.95	Cigarette butts
New Jersey	73.28	Plastic straws
New York	59.53	Cigarette butts
North Carolina	50.77	Cigarette butts
Ohio	63.87	Plastic caps and lids
Oregon	69.65	Cigarette butts
Pennsylvania	69.46	Cigarette butts
Puerto Rico	39.81	Metal bottle caps
Rhode Island	61.07	Cigarette butts
South Carolina	59.61	Cigarette butts
Texas	68.76	Plastic pieces
Virgin Islands	55.61	Metal beverage cans
Virginia	56.43	Cigarette butts
Washington	47.59	Cigarette butts
Wisconsin	58.62	Cigarette butts

TRACEABLE DEBRIS REPORTED:

Location	Type of Debris	Source Indicated
Alabama		
West Mobile Bay	red neon buoy #40	Coast Guard
	hard hat	Exxon
Dauphin Island	shampoo bottle	Holland American Line
Fort Morgan	plastic lid	Data Chemical
	label	Johns Oyster & Shrimp
	plastic lids	Coastal Chemical
Alaska		
Kodiak	2 5-gallon buckets	Chevron Motor Oil
	55 gallon drum	Shell Oil
	55 gallon drum	Unical
California		
Marin	styrofoam cup	Norway Cruise Line
Santa Cruz	gas tag	Unical 76
Ventura	bucket	Union Oil
Monterey	receipt	Bivalve Packing
	shipping label	Cape Cod Packing
	metal band	Dept of Fish & Wildlife
	certificate	JP Shell Co.
	distress signal	Sigma Scientific
	oil container	Texaco
San Luis Obispo	oil container	Chevron
	shampoo bottle	Princess Cruise Lines
Orange	wine bottle	Newport Yacht Club
	plastic cup	U.S. Navy
San Diego	plastic tag	Fisherman Landing
	wooden wire holder	Pacific Bell

TRACEABLE DEBRIS REPORTED (Cont.):

Location	Type of Debris	Source Indicated
Connecticut Waterford Fairfield	tag from lumber container lid	Chem. Specialties Exxon
Delaware Battery Park Deauxville Puddle Hole	glass vial styrofoam two experimental devices	Environmental Diagnostics, Inc. Dow Chemical University of Delaware
Bethany Beach Fenwick Island State Park	building permit cleaners can	Town of Bethany Drackett Pro.
Florida Nassau/Duval NAS Jacksonville St. Johns	cup 5 gallon bucket cocktail cups balloon	Emerald Princess Emerald Cruise Line Emerald Princess Olive Garden
Flagler Volusia	wooden pallets balloon	Northern Pallet and Supply Company Carnival Cruise
Brevard	shampoo bottle ship key chain shipping material shampoo bottle shampoo bottle plastic bottle bread tray bottle	Ocean Cruise Lines Caribbean Cruise Lines Industrial Delcarbide Ocean Cruise Lines Premier Cruise Lines Princess Cruise Lines Smith's Bakery Carnival Cruise Lines
Indian River	pens	Royal Cruise Line
Palm Beach Monroe	plastic cup letter opener hand lotion shoe shine kit bottles shampoo bottles shampoo bottles gambling chip bottles	Ocean Grand Hotel Commander Cruise Commodore Cruise Lines Dolphin Cruise Lines Ocean Lines Princess Cruise Lines Regency Cruise Lines River Cruise Royal Caribbean
Collier	emergency water auto air conditioner	U.S. Coast Guard E. Shepard Co.
Charlotte	plastic bag oil containers plastic cup construction tool	Scotty's Hardware Chevron Holiday Inn Kennametal Industry
Sarasota	boat motor	Gator Marin

TRACEABLE DEBRIS REPORTED (Cont.):

Location	Type of Debris	Source Indicated
Florida (Cont.)		
Hillsborough	sign barrier	Bobs barricades
Pinellas(Beaches)	shampoo bottle	Holiday Inn
	blue "O" ring	Alliance Plastics
	coffee cups	Radison Hotel
	plastic	Starlite Princess
Franklin	brochures	Sea Escape
	tag	Beacon #21
	plastic containers	Chevron
	bath gel bottle	Commodore Cruise
	cosmetic bottle	La Tosa Cosmetics
Bay	flare	U.S. Government
	plastic cup	Alliance Plastic
	fsh tag	Gulf Coast Research
	return label	National Weather Service
Okaloosa	shampoo bottle	Royal Caribbean Cruise Lines
	marker	U.S. Navy
	paper	American Red Cross
	cups	Ramada Inn
Santa Rosa/ Escambia	beverage containers	Naval Air Station
Hawaii		
Maui	shampoo bottle	Princess Cruise Lines
Hawaii	plastic flag	Kona Irrigation
Louisiana		
Grand Isle	container	Shell Oil
Cameron	drum cover	Uniroyal
	gallon lid	PEMEX
	5 gallon bucket	Chevron
	plastic	Kentwood Water Co.
	Breton Island	5 gallon bucket Shell
Maine		
Jonesport	plastic strapping	St. Andrews Salmon band Hatchery
Belfast	beverage containers	Sherwin Williams
Thomaston	newspaper negative	Rockland Courier
Georgetown	plastic band	Canada LOB S-F
Bruswick/Harpswell	plastic band	N.B. Aquaculture Salmon #4654800
	plastic strapping	Canada LOB S-F
	band	
	fiber glass sheet	Grosman's
	bag	
Yarmouth	plastic strapping	Canada LOB S-F
	band	
	trash can wire trap	Island Wharf
	business card	Burns television
	protection ring	Maine Coast

TRACEABLE ITEMS REPORTED (Cont.)

Location	Type of Debris	Source Indicated
Maine(Cont.) Yarmouth (Cont.)	plastic ID tag warning tag	L. Perkins ES Wallace
Massachusetts Beverly Newburyport Essex	water container lobster pot 5 gallon drum cup	U.S. Coast Guard J. Gilmore Mobil Oil Wang Laboratories
Gloucester Plymouth	plastic pieces paper tag plastic lids	Friendship Trap Company Fishes Inc. Friendship Trap Company
Brewster Wellfleet Falmouth Orleans North Falmouth Provincetown Duxbury	paper fish food container firecrackers plastic milk case plug coffee cup tag visor	Plymouth Fish Company Connors Brothers Estes Company Crown Marine Balger Plug Company Cumberland Farms Duxbury Mussels Seafood Corp. Rivers Outfitters
Westport River	plastic strapping band balloon 5 gallon drum	Anderson II Pizza Hut Texaco
Michigan Berrien County Grand Traverse Co Leeland	balloon candy wrapper balloon	1st Citizens Bank Grand Beach Hotel Chiropractic Health
Minnesota Lake Walk	napkins cone wrappers Killer kane	Dairy Queen Grandma's Judd Ranger Corp.
Mississippi River		
Mississippi Harrison County	plastic cups cardboard box	Biloxi Bell Casino Sears
Hancock Nearshore Barrier Islands	plastic salt bag foamed plastic cup 5 gallon oil drum	Cargill Gulf Shore Stamboast Casino Cheveron
New Hampshire Newcastle Beach	plastic trap door plastic trap door	Croe Rope Company G.E. Sheperd Company
Odiorne Point S.P. Pierce Island	lobster trap lobster buoy	D. Frampton Dickinson Severns

TRACEABLE ITEMS REPORTED (Cont.):

Location	Type of Debris	Source Indicated
New Hampshire (Cont.)		
Pierce Island	cardboard box	Stieferman Brothers
Rye Beach	orange tag	Everett Eaton
	plastic strap	Ray's Seafood
Northampton Beach	lobster trap	Alan Eaton
New Jersey		
Sandy Hook	foamed plastic pieces	Dow Chemical
Brigantine	lids	Norwegian Cruise
	balloon	Discout Store
	balloon	Happy Harry
West Deptford	10 gal. drum	Philips Products
Long Beach Island	meat strap	A&P
	plastic container	Plastican Inc.
	balloon	Al & Bruna Tailor & Dress
	balloon	American Cancer Society
	balloon	Association for Children for Downs Syndrome
	balloon	Bay Bank
	balloons	Bell Atlantic (2)
	balloon	Billard Club
	balloon	Bob's Big Boy
	balloon	Bozo the Clown
	balloon	Burger King
	balloon	Casa Lupita
	balloon	Centreville Lions Club
	balloon	Century 21
	balloon	Daily News
	balloon	Dental Emporium
	balloon	Discount Drug Store
	balloon	Dr. Rick Lubitz
	balloon	Ewing Nursing & Rehabilitation Center
	balloon	Equitable Securities
	balloon	Fairfax Hospital
	balloon	Fantasy Island Amusement Park
	balloon	Friendly's
	balloons	Good Neighbor Pharmacy (2)
	balloon	Green Acres Manor
	balloon	Green Brook
	balloon	Governor Carper; Lt. Governor Minner
	balloon	Happy Harrys
	balloon	Hush Puppies
	balloon	Koons
	balloon	Kostinas Chiropractic Center
	balloon	Long & Foster Realtors
	balloon	Manhattan Cable
	balloon	Mattress Discounters
	balloon	McDonalds
	balloon	Merrill Lynch

TRACEABLE ITEMS REPORTED (Cont.)

Location	Type of Debris	Source Indicated
New Jersey (Cont.)		
Long Beach Island (Cont.)	balloon	Mizpah Post Office
	balloon	Mount Vernon Weichert Realtors
	balloon	Pharmacy
	balloon	Philadelphia Zoo
	balloon	Prudential Real Estate
	balloon	Samantha's Restaurant & Cafe (2)
	balloon	Shell Oil (2)
	balloon	TGI Fridays
	balloon	The Chill Out
	balloon	The Party Stop
	balloon	United Way
	balloon	Wendy's
	balloon	Wind Mill
	balloon	Winston
New York		
Nassau County	plastic container tubes	GAC International Sike Chemical Co.
Lake Ontario	plastic strapping band	KJ Transportaion
North Carolina (Coastal)		
Currituck	hard hat	Iuoe Marine Division
Onslow	MRE bag	Marine Corps
North Carolina (Inland)		
Pamlico	plastic bucket business cards	David Stevenson's Logging Company T&R Imporvement
Ohio		
Madison	plastic strapping band fishing float	Seaway Foods Glo-Buoy Bass
Oregon		
Columbia River-Arch Cape	5 gallon bucket	Mobil International
Arch Cape-Barview Park	Radioactive tag "D-Con" wipe	Cobolt Company U.S. Navy
Cascade Head-Beverly Beach S.P.	aerial report bomb	Apollo of the Ozarks
Beverly Beach S.P.-Ona Beach S.P.	plastic jug	Ameroyal
Cape Arago-Sixes River	fitting cartridge	Petro Marine
Rhode Island		
Portsmouth	plastic sign	Bay State Gas Co.
Middletown		plastic casings Clam Bake Club
Prudence Island	balloons	Chestnut Assoc.
East Providence	label tag plastic tag	Point Juoith Shellfish Company I. Nagle Company

TRACEABLE ITEMS REPORTED (Cont.)

Location	Type of Debris	Source Indicated
Rhode Island (Cont.) South Kingstown Westerly	balloon plastic casing herbal tea	All State C.H. Shepard Winner Food Prod.
South Carolina Folly Beach Edisto Beach	plastic bottle paint cans	Coastal Chemical Baypoint Turtle Watch Group
Texas McFaddin Beach Bolivar Peninsula	plastic bottles crab trap large bag foamed plastic lid cups barrel oil barrel	Dupont Texas Parks & Wildlife Norgao Mariner Texaco Dairy Queen Uniton Chemicals Texaco
Galveston	foamed plastic cups metal drum	Industrial Helicopters Nero Chemical
Chambers Beach Surfside Beach Quintana/Bryan Beach Matagorda Island	oil buckets drum cover drum cover 5 gal oil cont.	Chevron Uniroyal Uniroyal Mobil Oil
Corpus Christi	bleach bottle battery case hard hats	Quimica Sanitarium Chambers Industrial Supply Union Pacific Resources
Boca Chica	plastic bottle plastic drum	Blue Star Inc. Uniroyal
Trinity Park	plastic bag sand bag container	GE Shepherd Texas Mining Company Texas Instruments
Virginia Virginia Beach Norfolk	electrical items plastic strap plastic tag plastic bag	Virginia Power Hazelwood Farm Norfolk Naval Ship Yard 60399 Shuford Mills
Chincoteague	balloons plastic bottles shampoo bottles	Carnival Cruise Lines Princess Cruise Lines Princess Cruise Lines
Virgin Islands Hassel Island	paper cup plastic cup	Admiral Cruise Caneel Bay
Honeymoon Beach	balloon	Toyota

FOREIGN DEBRIS ITEMS REPORTED:

State	Sources	Type of Debris Item	Remarks			
Alabama	England	beer can	metal			
	Greece	wine bottle				
Alaska	Canada "Chinese"	milk cartons				
		shampoo bottle				
		detergent bottle				
California	Mexico	bleach bottles				
		cigarettes				
		cans				
		paper				
Delaware	Italy	shampoo bottle				
Florida	"Arab"	food can	Verarberg insecticide			
	Austria	cardboard carton				
	Barbados	metal can				
	Brazil	deodorant				
	China	shampoo	packing material foam			
					Colombia	liquor bottle
					Cuba	club bottle
			medicine bottle	Academy of Science		
			research bottle			
	Danish"	Dominican Republic	suntan oil			
			bleach bottle			
	England	France	plastic bottle	Nottingham		
			bottle			
	Soap		beverage bottle			
			tube of cream			
			orange aerosol			
	"French"		plastic wrapper	Jempo		
	can beer	German	deodorant can	aerosol		
			plastic bottle			
	insecticide bottle		drain cleaner			
plastic container						
suntan lotion	Great Britain		Raid			
bug spray	Greece	metal can				
metal can	Holland	medicene	Seafarma			
suntan lotion	Italy					
cocoa butter	Jamaica					
drink bottle	Japan					
cleaning bottle						
plastic bag	Korea					

FOREIGN DEBRIS ITEMS REPORTED (cont.):

State	Sources	Type of Debris Item	Remarks
Florida (Cont.)	Mexico	plastic bottle	
		bottle	
		talcum powder	mineral water
		baking soda	
		beer can	
		plastic bottles	
		water bottle	
		shampoo	
		bleach bottle	
		Norway	tobacco can
	Puerto Rico	lard container	El Cochinito
	Russia	shampoo	
		beer can	
	Scandinavian	bug spray	3 cans
		glass bottle	
	Spain "Spanish"	blue gas	
		butter container	REG SAN 1600
	South America	plastic lid	
		plastic bottle	
		bottle	
		bottle	eye dropper
oil			
powder bottle			
paint can			
plastic containers		oil	
Thailand		wine bottle	
Trinidad		oil container	Tabaga
U.K.	plastic containers		
	Venezuela	shampoo bottle	
	plastic bottle	baby powder	
	deodorant		
	cans		
	plastic bottle		
Louisiana	Mexico	plastic bottle	detergent
Maine	Canada	plastic lobster band	LOB S-F01154
		plastic lobster band	LOB S-F00376
		plastic lobster band	SF33/9100976
		plastic lobster band	SF34/9100483
		plastic lobster band	LOB S-F34192
		plastic lobster band	LOB S-F00509
		plastic lobster band	LOB S-F00382
		plastic lobster band	LOB S-F00409
		plastic lobster band	LOB S-F00762
		plastic lobster band	LOB S-F00750
plastic lobster band	LOB S-F00632		

FOREIGN DEBRIS ITEMS REPORTED (Cont.):

State	Sources	Type of Debris Item	Remarks
Massachusetts	Canada	plastic band	LOB S-F34/89
		plastic tab	LOB S-F34/91
		lobster strap bands	LOB S-F34/91
New Jersey	Mexico	bottles	
New York	Canada	plastic strap plastic pieces bread wrapper	Quebec Import Co Chemicals Limited, Ontario
	Hebrew	newspaper	
North Carolina	Spanish	detergent bottle	Spanish writing
	Germany	milk carton	
Oregon	Taiwan	label	Taiwan Shin Yen
Rhode Island	Italy	cleaner	Detres(SOS)
Texas	Mexico	seed bags	woven plastic
	Brazil	plastic bottle	eye drops
	China	bottle	Canada dry
	German	shoe box cover	
		motor oil	
		bottle	
	Greek	aerosol can	Delmenorst
		bottle	
	Hong Kong	garden wafer	
	Italy	plastic bottle	mineral water
Texas	Jamaica	deodorant bottle	
	Japan	plastic bottle	
		light bulb	
		plastic bottles	Japanese writing
		Han All Phar	Ulcer agent
	Mexico	pill bottle	
		container	corn meal
		bleach bottles	
		plastic bottle	Veedol
		plastic bottle	Clarisol
		plastic bottle	motor oil
		plastic bottle	Cloralex bleach
		shampoo bottle	
		bottle	Farmitalia Cermion
		plastic bottle	
		plastic bottle	bleach bottles
oil can			
disinfectant			
plastic bottle	Chlorox		
bleach bottle			
plastic bottle	Chorolex		

FOREIGN DEBRIS ITEMS REPORTED (Cont):

State	Sources	Type of Debris Item	Remarks
Texas (Cont.)	Mexico (Cont.)	plastic container	Veedol
		plastic container	motor oil
		oil bottle	Imemsa
		plastic bottle	Clarasol
		plastic bottle	Dacel
		plastic bottle	Friko
		coffee bag	
		bottles	Matropil
		bleach	Clorale
		syringe	Cadena
		plastic bottle	bleach
		black dye	
		bottle	Choralex
		plastic bottle	hair tonic
		black dye	
		bottle	Romerio
		plastic crate	Spanish writing
		shampoo bottle	
		plastic bottle	
		plastic bottle	acetone
		candy wrapper	
		plastic crate	
		plastic bottle	
		milk carton	
		glass bottle	San Juan
		plastic bottle	
		coffee cans	
		two bleach bottles	
		plastic lids	
		food container	Primavera
		plastic bottles	
		plastic tube	
		bug spray	
		bottle	Cloralex
		shampoo container	
		six plastic bottle	
		coke bottle	
		oil bottle	
		two Clorex bottles	
		Veedol	
		pinol	
		plastic bottle	butter tub
		cleaning products	
		aerosol can	Palmolive
		plastic bottle	shampoo
		two plastic bottle	
		coupons	
		plastic bottles	Valencian
		beer bottles	
		plastic bottles	Clorax

FOREIGN DEBRIS ITEMS REPORTED (Cont.):

State	Sources	Type of Debris Item	Remarks
Texas (Cont.)	Mexico (Cont.)	bottle	disinfectant
		two plastic bottles	
		plastic bottles	laundry soap
		bleach bottles	
		plastic bottles	cleaning
		bag	Gra Sol Beau
		plastic bag	Premid
		bottle cap	Joya Company
		strapping band	plastic
		plastic bottle	clarasol
	Normandy	plastic container	butter
		Russian	plastic cups
		Singapore	two drink bottle
		"Spanish"	plastic bottle
		soybean drink	plastic bottle
Thailand	suntan lotion		
	food wrap		
	plastic bottle	drinking water	
Virginia	China	plastic bag	
	Greece	plastic jar	
	India	coffee can	
	Japan	bottle	
	Korean	detergent bottle	
	Singapore	milk carton	
Virgin Islands	Britain	wine bottle	
		Canada	plastic container
		France	wrapper
	Germany	plastic	margarine
		bottle	
		can	
	Holland	beer bottle	
		Italy	plastic
		Puerto Rico	bottle
	Spain	plastic cover	Crossco Company
		can	sunkist
		cigarettes	
Washington	Japan	plastic	
		shampoo bottle	
	Korea	soap bottle	

STRANDED AND/OR ENTANGLED WILDLIFE REPORTED:

State	Animal	Debris Item	Other Comments
Alabama	fish	can	caught in
California	seagulls	fishing line	entangled
	seagulls	fishing line	in mouth
	duck	fishing line	entangled
	dead murr	fishing line	entangled
	seal	line	entangled
	dead bird	plastic bag	entangled
Connecticut	seagull	in net	
Delaware	crab	in net	trapped
	dead cormorant		entangled
Florida	pelican	fishing line	entangled
	seagull	hook and line	in throat
	two gulls		entangled together
	dead bird	fishing line	entangled
	stingray	fishing line	entangled
	crab	wire	entangled
	crab	fishing line	entangled
	crab	plastic	entangled
Hawaii	seagull	six-pack ring	around neck
	bird	net	entangled
	bird	fishing string	entangled
	crabs	fishing line	entangled
	crabs	net	entangled
Louisiana	catfish	netting	entangled
Maine	bird	entangled	
Maryland	dead sea turtle	plastic bag	entangled
	dead turtle	fishing line	entangled
Massachusetts	seagull	garbage can	caught in
Mississippi	dead birds	fishing line	entangled
New Jersey	croaker	fishing line	entangled
	mallard	strapping cord	entangled
New York	dead seagull	fishing line	entangled
	gull	six-pack ring	
	crab	fishing line	entangled
	bird	monofilament	entangled
	duck	six-pack ring	around neck

STRANDED AND/OR ENTANGLED WILDLIFE REPORTED (Cont.):

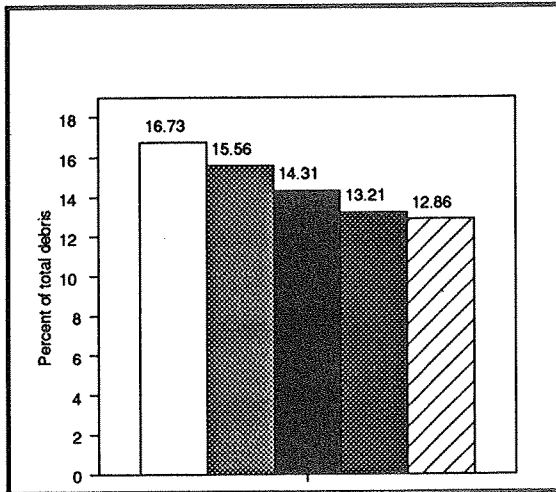
State	Animal	Animal	Debris Item	Other Comr
North Carolina (Coastal)	seagull	rope	wrapped in	
	seagull	fishing line	entangled	
	crab		entangled	
North Carolina (Inland)	dead fish	fishing line	entangled	
Oregon	bird	fishing line	entangled	
	seagull	string	entangled	
	seagull	strapping band	plastic	
	seagull	six-pack ring	strangled	
	seagull	fishing line	in throat	
	seagull	plastic rope	entangled	
	starfish	wire spokes hubcap	entangled	
Rhode Island	birds	plastic string	entangled	
	dead seagull gull	six-pack ring nylon twine	entangled	
Texas	fish	six-pack ring	entangled	
	fish	bags	entangled	
	crab	fishing line	twisted	
	dead bird	fishing line		
	bird	six-pack ring	around neck	
	seagull	wire	entangled	
	dead stingray	net	entangled	
Virginia	dead fish	strapping band	entangled	
	ghost crab	cloth	entangled	
	hermit crab	rope	entangled	
	seagull	fishing line	entangled	
	sponge	fishing line	entangled	
Wisconsin	dead fish gull	sock line and lure	entangled wrapped in	

MOST PECULIAR ITEMS REPORTED

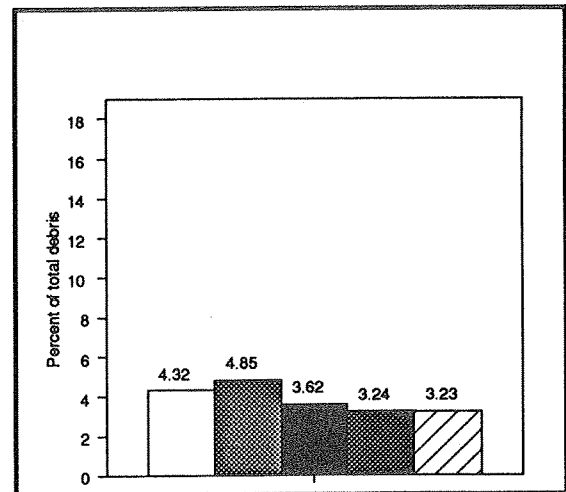
Alabama	sewing machine, refrigerator, plastic water meter cover, basketball net
Alaska	baseball, boat seat, unopened beer can
California	toilet lid, coffee maker, vial of "Love Potion", traffic ticket for \$9.00, rosary beads
Connecticut	wet sock containing 500 tiny "crack" vials, manhole cover, machete, 2 boat seats
Delaware	"Open" sign, bathroom sink, gallon jug of phosphoric acid, asbestos siding
District of Columbia	Spanish-English dictionary, flip flop, hair brush, tennis balls, zipper
Florida	dental retainer, blow up plastic doll, vacuum cleaner, egg beater, roofing shingles
Georgia	tear gas, toilet, food coloring bottle, shoulder pad, pillow
Hawaii	concrete mix, dog dish, luggage, traffic barrier, lamp
Illinois	bow tie, moustache, false teeth, car windshield, "No Parking" sign
Louisiana	bottle of shampoo, snow ski poles, refrigerator, oil filter, roof shingle
Maine	diner stool, moose hide, buck saw, stalk of celery, wooden sled
Maryland	tube of mascara, goose decoy, hospital booties, liquor bottle from the 1920's, bed
Massachusetts	security safe, freezer door, archery arrow, wall of house, crisper drawer
Michigan	wine glasses, toothbrush, pacifier, nylons, burned lawn chair
Minnesota	hockey puck, sweater, TV, respirator, grave marker
Mississippi	fake rubber finger, bottle of pepper vinegar, Butterball turkey, compass
New Hampshire	bottle of rum, potted plant, garage door opener, inhaler, wagon
New Jersey	Nintendo game, car hood, football helmet, fake hand, boat hatch
New York	bench, bath oil, marine toilet, 3 pup tents, wig
North Carolina	Bible, electric guitar, can of cow food, computer hard drive, baby swing
Ohio	bicycle lock, frying pan, kazoo, washing machine, frame
Oregon	china bowl, back pack, ping pong table, food stamp, fuse
Pennsylvania	hubcap, auto parts, pantyhose, tail pipe, washcloth
Puerto Rico	kitchen grate from a stove, muffler, car radio, contraceptive pills, lamp shade
Rhode Island	clay pigeons, fire hydrant, fuzzy dice, toilet plunger, seven pairs of socks
South Carolina	boxer shorts, baby crib, scuba tank, portrait, house drain pipe
Texas	ballet shoe, fake booby, switchboard, computer tape, hamper
Virginia	human braided hair, "Caution" sign, tube of cocaine, Nike hightops, car radio
Virgin Islands	shopping cart, boot, couch, running shoes, umbrella
Washington	sink trap, iron kettle, boat, sprinkler, double kitchen sink
Wisconsin	101 lb. piece of foam in the shape of Africa, chunk of toilet, mattress

TRENDS IN MAJOR TYPES AND SOURCES OF UNITED STATES' BEACH DEBRIS:

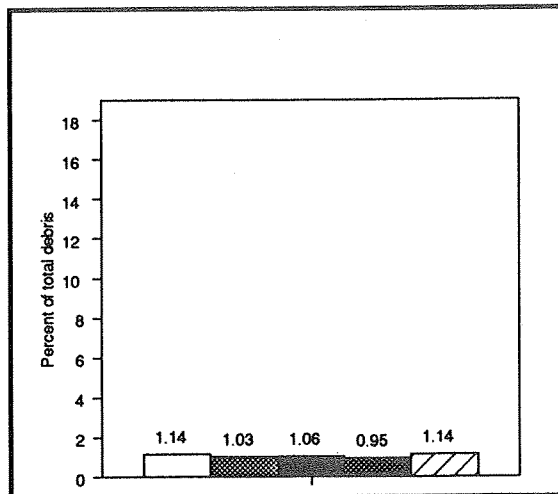
Trends in Bottles & Assoc. Goods



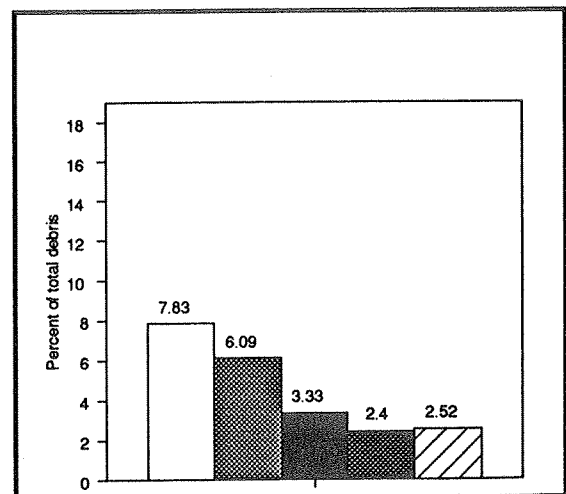
Trends in Comm. Fishing Gear



Trends in Rec. Fishing Gear



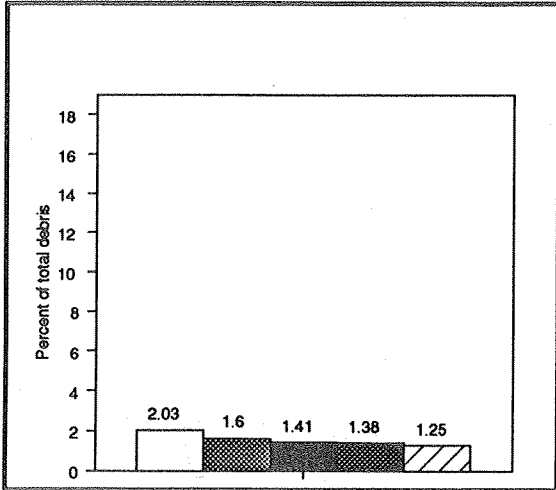
Trends in Galley Waste



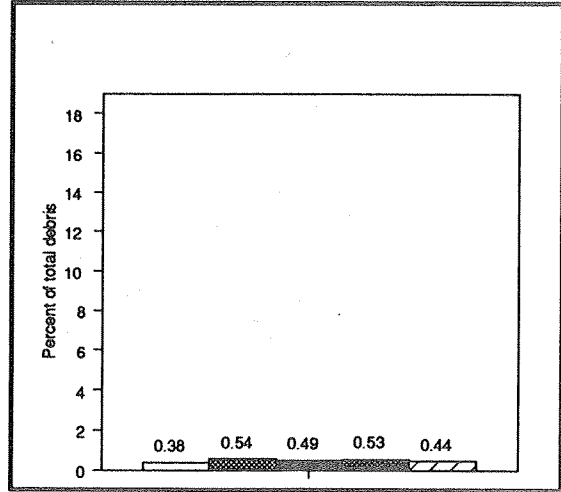
1988
 1989
 1990
 1991
 1992

TRENDS IN MAJOR TYPES AND SOURCES OF UNITED STATES' BEACH DEBRIS:

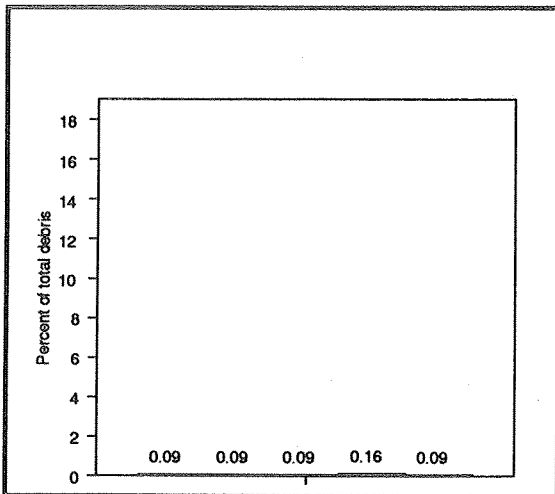
Trends in Operational Waste



Trends in Sewage Waste



Trends in Medical Waste



FOR INFORMATION ON UNITED STATES' 1993 COASTAL CLEANUP CONTACT:

Center for Marine Conservation
 1725 De Sales Street, Suite 500
 Washington, DC 20036
 (202) 429-5609

CLEANUP DATE: Contact Coordinator

1988
 1989
 1990
 1991
 1992



Venezuelan coordinator Diego Diaz Martin with other coordinators.

VENEZUELA



COASTWEEKS
6,038 Volunteers
102 Miles Cleaned
364,112 Pounds of Debris Collected

Coordinated by: Diego Diaz Martin
Fundacion para la Defensa
de la Naturaleza
Apartado 70376
Caracas 1071-A Venezuela

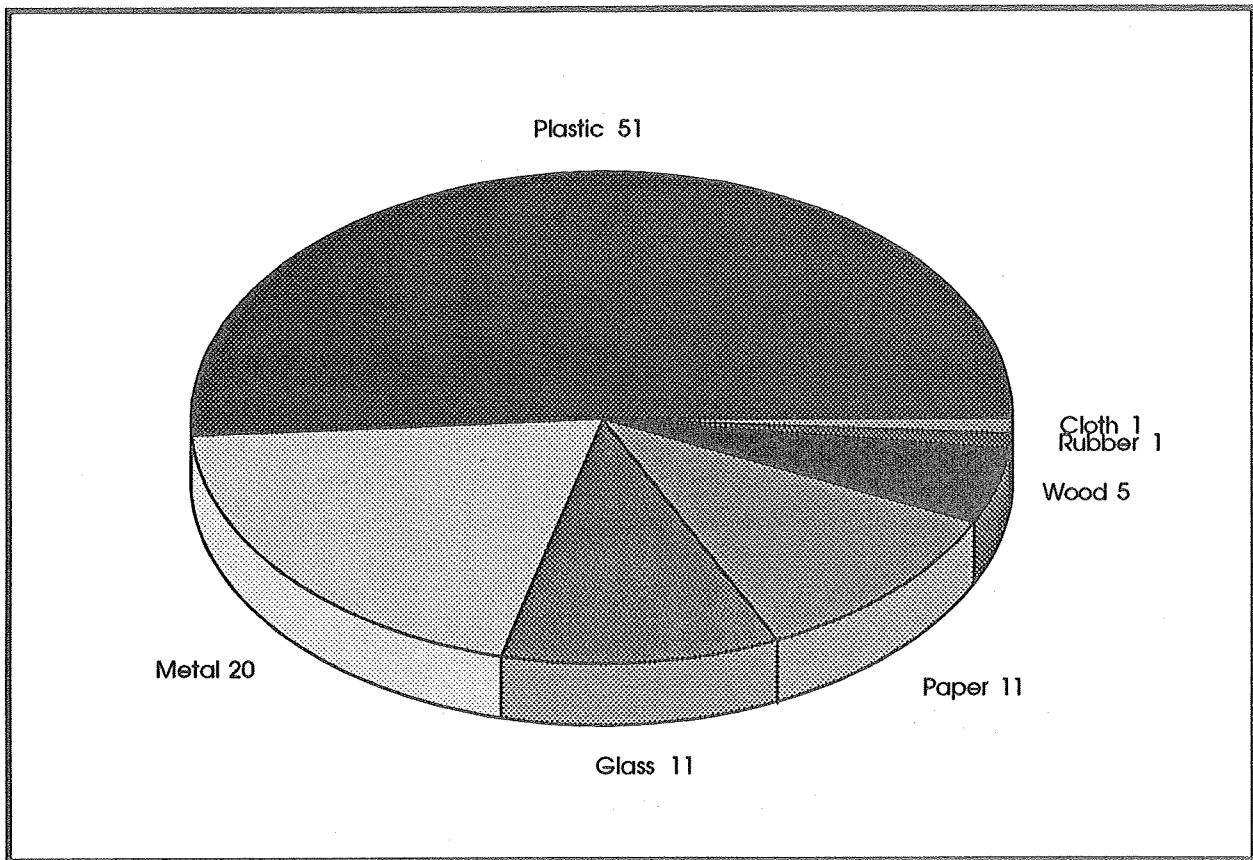
At Fudena, never did we imagine the response we received from the community. We promoted the event as a call upon volunteers, to inform them of the critical situation in which our marine-coastal environments exist, inviting the people to be part of the solution.

The coverage in the media of social communication was unbeatable. As for the participation of volunteers, the ample turnout allowed us to obtain information on all the coastal states of Venezuela. This is the first time in our country that we will have quantifiable information on waste that comes from our country.

Diego Diaz

Editor's Note: Although we were unable to receive data cards from Venezuela, FUDENA supplied us with the following information. Please note that this information was not compiled by CMC.

PERCENT COMPOSITION OF VENEZUELA'S BEACH DEBRIS:



VENEZUELA'S 1992 DIRTY DOZEN

Total Number Reported

1. Metal beverage cans	17,396
2. Metal bottle caps	16,142
3. Plastic cups	12,446
4. Glass pieces	11,108
5. Plastic caps and lids	10,574
6. Glass beverage bottles	9,142
7. Wood pieces	8,562
8. Cigarette butts	8,460
9. Paper pieces	6,869
10. Plastic beverage bottles	6,584
11. Plastic pieces	6,569
12. Miscellaneous plastic bags	6,257

FOREIGN ITEMS REPORTED:

Location	Source	Type of Debris	Other Remarks
Guiria	Barbados	can	deodorant
	Dutch Antilles	plastic bottle	"Disislin"
	England	2 plastic bottles	"Lockheed Super 105"
	Jamaica	jug	"Esso"
	Trinidad	plastic container	"Harpic"
		plastic container	"Super Stream"
		3 plastic containers	
		2 plastic bottles	"Kleenol" detergent
		plastic bottle	Pear refreshment
		plastic bottle	"Cole Cold"
		plastic bottle	"Solo"
		plastic bottle	"King Orange"
		2 plastic jugs	"Sqezy"
		plastic container	"Illusion"
	USA	plastic bottle	"PCA" shampoo
can		"Secret"	
plastic bottle		"White Rain"	
Dependencias Federales	Barbados	plastic container	"Baigon"
	Canada	2 plastic containers	"Gillette"
	Denmark	beer cans	"Royal"
	Holland	cans	"Autoh Lay"
		cans	"Heineken"
	Martinique	glass bottle	liquor
	Saint Lucia	plastic containers	"Gun-Glo"
	Scotland	bottle	"Dewards" whiskey
	Trinidad	plastic container	dishwasher liquid
	USA	plastic bottle	hair conditioner
plastic container		"Brutter"	
	plastic container	"Avon"	

FOR INFORMATION ON VENEZUELA'S 1993 COASTAL CLEANUP CONTACT:

Diego Diaz-Martin
 FUDENA
 Apartado 70376
 Caracas 1071-A, Venezuela
 (582) 238-2930

CLEANUP DATE: Contact Coordinator

**Appendix 1. Major Sponsors of the 1992 International Coastal Cleanup
Presented as provided by country coordinators**

INTERNATIONAL SPONSORS

ARCO Foundation
Chevron
Environmental Protection Agency
Freed Foundation
Jantzen, Inc.
Merck Family Fund
NAPCOR
National Oceanic and Atmospheric Administration
Patagonia
Pew Charitable Trusts
Prospect Hill Foundation
Society of the Plastic Industry
USA Kettering Family Foundation
US Navy

**INTERNATIONAL
IN-KIND DONATIONS**

Booze-Allen Hamilton
Faber-Castell
First Brands Corporation
Professional Association of Diving Instructors

ARGENTINA

Aramasao
City Council of Miramar

CANADA

Moosehead Breweries limited

ENGLAND

Torex Tool Hire

HONG KONG

Rotaract Club of Hong Kong and Macau
Friends of the Earth

ISRAEL

Ministry of the Environment
Society for the Protection of Nature

NETHERLANDS ANTILIES

Big Rock Market
Captain Quarter's Hotel
Eskay Home and Hardware
H.E.S. Home Center
In Two Deep Bar & Restaurant
Morning Star Shop
My Store
Pop's Place Snack
Promit Utilities - Saba
Saba Drug Store
Saba Loins
Saba Marine Park

JAPAN

ARSOA
Environment Beautification Association on Food
Containers
Esso
Hino Green Fund
Harubeni
Kanagawa Beach Cleaning Foundation
Maruzen Petrochemical
MSI
NEC
Nichimen
Sapporo Beer
Sankus
World Wildlife Fund, Japan
ZENROSAI

NEW ZEALAND

Adhesif Prints
Auckland Regional Council
Auckland Travel Lodge
Boating Federation and Skippers
Department of Conservation Rangers and Skippers
Fullers Ferris
Harbour News
New Zealand Department of Conservation
PDQ Prints
The University of Auckland
Waste Management Limited
Zendel Consumer Products

NEVIS

Main Street Super Market
R.G. Solomon and Sons

**Appendix 1 (Cont.). Major Sponsors of the 1992 International Coastal Cleanup
Presented as provided by country coordinators**

NEVIS (Cont.)

Chiverton Hardware

Tony's Super Market and Super Foods

UNITED STATES

ARCO Foundation

Chevron

Environmental Protection Agency

Freed Foundation

Jantzen, Inc.

Merck Family Fund

NAPCOR

National Oceanic and Atmospheric Administration

Patagonia

Pew Charitable Trusts

Prospect Hill Foundation

Society of the Plastic Industry

USA Kettering Family Foundation

US Navy

IN-KIND DONATIONS

Booze-Allen Hamilton

Faber-Castell

First Brands Corporation

Professional Association of Diving Instructors

Appendix 2. Traceable Debris Reported During the 1992 National Coastal Cleanup

Location	Type of Debris	Source Indicated
BAHAMAS	shampoo bottle shampoo bottle	Royal Carriibbean Costa
CANADA NEW BRUNSWICK NOVA SCOTIA	plastic band Canada LOB S-F plastic label	Lantic Sugar 33190-00895 US Marines
GRENADA	oil bottles oil bottles oil bottles	Mobil Texaco Shell
MEXICO	plastic bottle	ALEN Chemical products
NEVIS	oil bottle	Texaco propane tank Shell
UNITED STATES		
Alabama West Mobile Bay	red neon buoy #40 hard hat	Coast Guard Exxon
Dauphin Island Fort Morgan	shampoo bottle plastic lid label plastic lids	Holland American Line Data Chemical Johns Oyster & Shrimp Coastal Chemical
Alaska Kodiak	2 5-gallon buckets 55 gallon drum 55 gallon drum	Chevron Motor Oil Shell Oil Unical
California Marin Santa Cruz Ventura Monterey	styrofoam cup gas tag bucket receipt shipping label metal band certificate distress signal oil container	Norway Cruise Line Unical 76 Union Oil Bivalve Packing Cape Cod Packing Dept of Fish & Wildlife JP Shell Co. Sigma Scientific Texaco
San Luis Obispo	oil container shampoo bottle	Chevron Princess Cruise Lines
Orange	wine bottle plastic cup	Newport Yacht Club U.S. Navy
San Diego	plastic tag wooden wire holder	Fisherman Landing Pacific Bell

Appendix 2 (Cont.). Traceable Debris Reported During the 1992 National Coastal Cleanup

Location	Type of Debris	Source Indicated
Connecticut Waterford Fairfield	tag from lumber container lid	Chem. Specialties Exxon
Delaware Battery Park Deauxville Puddle Hole	glass vial styrofoam two experimental devices	Environmental Diagnostics, Inc. Dow Chemical University of Delaware
Bethany Beach Fenwick Island State Park	building permit cleaners can	Town of Bethany Drackett Pro.
Florida Nassau/Duval NAS Jacksonville St. Johns	cup 5 gallon bucket cocktail cups balloon	Emerald Princess Emerald Cruise Line Emerald Princess Olive Garden
Flagler Volusia	wooden pallets balloon	Northern Pallet and Supply Company Carnival Cruise
Brevard	shampoo bottle ship key chain shipping material shampoo bottle shampoo bottle plastic bottle bread tray bottle	Ocean Cruise Lines Caribbean Cruise Lines Industrial Delcarbide Ocean Cruise Lines Premier Cruise Lines Princess Cruise Lines Smith's Bakery Carnival Cruise Lines
Indian River	pens	Royal Cruise Line
Palm Beach Monroe	plastic cup letter opener hand lotion shoe shine kit bottles shampoo bottles shampoo bottles gambling chip bottles	Ocean Grand Hotel Commander Cruise Commodore Cruise Lines Dolphin Cruise Lines Ocean Lines Princess Cruise Lines Regency Cruise Lines River Cruise Royal Caribbean
Collier	emergency water auto air conditioner	U.S. Coast Guard E. Shepard Co.
Charlotte	plastic bag oil containers plastic cup	Scotty's Hardware Chevron Holiday Inn
Sarasota	construction tool boat motor	Kennametal Industry Gator Marin

Appendix 2 (Cont.). Traceable Debris Reported During the 1992 National Coastal Cleanup

Location	Type of Debris	Source Indicated
Florida (Cont.)		
Hillsborough	sign barrier	Bobs barricades
Pinellas(Beaches)	shampoo bottle	Holiday Inn
	blue "O" ring	Alliance Plastics
Franklin	coffee cups	Radison Hotel
	plastic brochures	Starlite Princess
	tag	Sea Escape
	plastic containers	Beacon #21
	bath gel bottle	Chevron
Bay	cosmetic bottle	Commodore Cruise
	flare	La Tosa Cosmetics
	plastic cup	U.S. Government
	fsh tag	Alliance Plastic
	return label	Gulf Coast Research
Okaloosa	shampoo bottle	National Weather Service
	marker	Royal Caribbean Cruise Lines
	paper cups	U.S. Navy
Santa Rosa/ Escambia	beverage containers	American Red Cross
		Ramada Inn
		Naval Air Station
Hawaii		
Maui	shampoo bottle	Princess Cruise Lines
Hawaii	plastic flag	Kona Irrigation
Louisiana		
Grand Isle	container	Shell Oil
Cameron	drum cover	Uniroyal
	gallon lid	PEMEX
	5 gallon bucket	Chevron
	plastic	Kentwood Water Co.
	Breton Island	5 gallon bucket Shell
Maine		
Jonesport	plastic strapping	St. Andrews Salmon band Hatchery
Belfast	beverage containers	Sherwin Williams
Thomaston	newspaper negative	Rockland Courier
Georgetown	plastic band	Canada LOB S-F
	plastic band	N.B. Aquaculture Salmon #4654800
Bruswick/Harpswell	plastic strapping	Canada LOB S-F
	band	
	fiber glass sheet	Grosman's
	bag	
Yarmouth	plastic strapping	Canada LOB S-F
	band	
	trash can wire trap	Island Wharf
	business card	Burns television
	protection ring	Maine Coast

Appendix 2 (Cont.). Traceable Debris Reported During the 1992 National Coastal Cleanup

Location	Type of Debris	Source Indicated
Maine(Cont.) Yarmouth (Cont.)	plastic ID tag warning tag	L. Perkins ES Wallace
Massachusetts Beverly Newburyport Essex	water container lobster pot 5 gallon drum cup	U.S. Coast Guard J. Gilmore Mobil Oil Wang Laboratories
Gloucester Plymouth	plastic pieces paper tag plastic lids	Friendship Trap Company Fishes Inc. Friendship Trap Company
Brewster Wellfleet Falmouth Orleans North Falmouth Provincetown Duxbury	paper fish food container firecrackers plastic milk case plug coffee cup tag visor	Plymouth Fish Company Connors Brothers Estes Company Crown Marine Balger Plug Company Cumberland Farms Duxbury Mussels Seafood Corp. Rivers Outfitters
Westport River	plastic strapping band balloon 5 gallon drum	Anderson II Pizza Hut Texaco
Michigan Berrien County Grand Traverse Co Leeland	balloon candy wrapper balloon	1st Citizens Bank Grand Beach Hotel Chiropractic Health
Minnesota Lake Walk	napkins cone wrappers	Dairy Queen Grandma's
Mississippi River	Killer kane	Judd Ranger Corp.
Mississippi Harrison County	plastic cups cardboard box	Biloxi Bell Casino Sears
Hancock Nearshore Barrier Islands	plastic salt bag foamed plastic cup 5 gallon oil drum	Cargill Gulf Shore Stamboast Casino Cheveron
New Hampshire Newcastle Beach	plastic trap door plastic trap door	Croe Rope Company G.E. Sheperd Company
Odiorne Point S.P. Pierce Island	lobster trap lobster buoy	D. Frampton Dickinson Severns

Appendix 2 (Cont.). Traceable Debris Reported During the 1992 National Coastal Cleanup

Location	Type of Debris	Source Indicated
New Hampshire (Cont.)		
Pierce Island	cardboard box	Stieferman Brothers
Rye Beach	orange tag	Everett Eaton
	plastic strap	Ray's Seafood
Northampton Beach	lobster trap	Alan Eaton
New Jersey		
Sandy Hook	foamed plastic pieces	Dow Chemical
	lids	Norwegian Cruise
Brigantine	balloon	Discout Store
	balloon	Happy Harry
West Deptford	10 gal. drum	Philips Products
Long Beach Island	meat strap	A&P
	plastic container	Plastican Inc.
	balloon	Al & Bruna Tailor & Dress
	balloon	American Cancer Society
	balloon	Association for Children fo
		Downs Syndrome
	balloon	Bay Bank
	balloons	Bell Atlantic (2)
	balloon	Billard Club
	balloon	Bob's Big Boy
	balloon	Bozo the Clown
	balloon	Burger King
	balloon	Casa Lupita
	balloon	Centreville Lions Club
	balloon	Century 21
	balloon	Daily News
	balloon	Dental Emporium
	balloon	Discount Drug Store
	balloon	Dr. Rick Lubitz
	balloon	Ewing Nursing & Rehabilitation Center
	balloon	Equitable Securities
	balloon	Fairfax Hospital
	balloon	Fantasy Island Amusement Park
	balloon	Friendly's
	balloons	Good Neighbor Pharmacy (2)
	balloon	Green Acres Manor
	balloon	Green Brook
	balloon	Governor Carper; Lt. Governor Minner
	balloon	Happy Harrys
	balloon	Hush Puppies
	balloon	Koons
	balloon	Kostinas Chiropractic Center
	balloon	Long & Foster Realtors
	balloon	Manhattan Cable
	balloon	Mattress Discounters
	balloon	McDonalds

Appendix 2 (Cont.). Traceable Debris Reported During the 1992 National Coastal Cleanup

Location	Type of Debris	Source Indicated
New Jersey (Cont.)		
Long Beach Island (Cont.)	balloon	Merrill Lynch
	balloon	Mizpah Post Office
	balloon	Mount Vernon Weichert Realtors
	balloon	Pharmacy
	balloon	Philadelphia Zoo
	balloon	Prudential Real Estate
	balloon	Samantha's Restaurant & Cafe (2)
	balloon	Shell Oil (2)
	balloon	TGI Fridays
	balloon	The Chill Out
	balloon	The Party Stop
	balloon	United Way
	balloon	Wendy's
	balloon	Wind Mill
	balloon	Winston
New York		
Nassau County	plastic container tubes	GAC International
Lake Ontario	plastic strapping band	Sike Chemical Co. KJ Transportaion
North Carolina (Coastal)		
Currituck	hard hat	Iuoe Marine Division
Onslow	MRE bag	Marine Corps
North Carolina (Inland)		
Pamlico	plastic bucket business cards	David Stevenson's Logging Company T&R Imporvement
Ohio		
Madison	plastic strapping band fishing float	Seaway Foods Glo-Buoy Bass
Oregon		
Columbia River-Arch Cape	5 gallon bucket	Mobil International
Arch Cape-Barview Park	Radioactive tag "D-Con" wipe	Cobolt Company U.S. Navy
Cascade Head-Beverly Beach S.P.	aerial report bomb	Apollo of the Ozarks
Beverly Beach S.P.-Ona Beach S.P.	plastic jug	Ameroyal
Cape Arago-Sixes River	fitting cartridge	Petro Marine
Rhode Island		
Portsmouth	plastic sign	Bay State Gas Co.
Middletown		plastic casings Clam Bake Club
Prudence Island	balloons	Chestnut Assoc.

Appendix 2 (Cont.). Traceable Debris Reported During the 1992 National Coastal Cleanup

Location	Type of Debris	Source Indicated
Rhode Island (Cont.)		
East Providence	label tag	Point Juoith Shellfish Company
	plastic tag	I. Nagle Company
South Kingstown	balloon	All State
Westerly	plastic casing	C.H. Shepard
	herbal tea	Winner Food Prod.
South Carolina		
Folly Beach	plastic bottle	Coastal Chemical
Edisto Beach	paint cans	Baypoint Turtle Watch Group
Texas		
McFaddin Beach	plastic bottles	Dupont
Bolivar Peninsula	crab trap	Texas Parks & Wildlife
	large bag	Norgao Mariner
	foamed plastic lid	Texaco
	cups	Dairy Queen
	barrel	Uniton Chemicals
	oil barrel	Texaco
Galveston	foamed plastic cups	Industrial Helicopters
	metal drum	Nero Chemical
Chambers Beach	oil buckets	Chevron
Surfside Beach	drum cover	Uniroyal
Quintana/Bryan Beach	drum cover	Uniroyal
Matagorda Island	5 gal oil cont.	Mobil Oil
	bleach bottle	Quimica Sanitarium
Corpus Christi	battery case	Chambers Industrial Supply
	hard hats	Union Pacific Resources
	plastic bottle	Blue Star Inc.
Boca Chica	plastic drum	Uniroyal
	plastic bag	GE Shepherd
Trinity Park	sand bag	Texas Mining Company
	container	Texas Instruments
Virginia		
Virginia Beach	electrical items	Virginia Power
Norfolk	plastic strap	Hazelwood Farm
	plastic tag	Norfolk Naval Ship Yard 60399
	plastic bag	Shuford Mills
Chincoteague	balloons	Carnival Cruise Lines
	plastic bottles	Princess Cruise Lines
	shampoo bottles	Princess Cruise Lines
Virgin Islands		
Hassel Island	paper cup	Admiral Cruise
	plastic cup	Caneel Bay
Honeymoon Beach	balloon	Toyota

Appendix 3. Foreign Debris Items Reported During the 1992 International Coastal Cleanup

Country	Sources	Type of Debris	Remarks
BAHAMAS	Dominican Republic	styling lotion	
	Greece	plastic bottle	3 gallon
	Japan	plastic bottle	
	Spain	plastic bottle	bubble bath
	Venezuala	chemical bottle	
ENGLAND	Spain	medicine bottle	
MEXICO	England	plastic bottle	Selva Salt
		towel	
	France	glass bottle	
		plate	
	Honduras	milk bag	Leyde
	Italy	plate	
	Jamacia	beer bottle	
	Japan	bottle body solution	
		plastic bag	
		plastic packaging	
	Puerto Rico	plastic bag	
	United States	wine bottle	
		mediciene bottle	
		beer cans	
NETHERLANDS			
ANTILLIES	Mexico	can	"Griffin" shoe polish
	France	plastic bottle	"Laiteries Bridel" milk
NEVIS	United States	plastic bottle	Texaco Lubricant Comapny
UNITED STATES			
Alabama	England	beer can	metal
	Greece	wine bottle	
Alaska	Canada	milk cartons	
	"Chinese"	shampoo bottle	
		detergent bottle	
California	Mexico	bleach bottles	
		cigarettes	
		cans	
		paper	
Delaware	Italy	shampoo bottle	
Florida	"Arab"	food can	
	Austria	cardboard carton	Verarberg

Appendix 3 (Cont.). Foreign Debris Items Reported During the 1992 International Coastal Cleanup

Country	Sources	Type of Debris	Remarks
FLORIDA (Cont.)	Barbados	metal can	insecticide
	Brazil	deodorant shampoo	
	China	packing material foam	
	Colombia	liquor bottle	
	Cuba	club bottle	Havana
		medicine bottle	
		research bottle	Academy of Science
	Danish"	suntan oil	
	Dominican Republic	bleach bottle	
	England	plastic bottle	Nottingham
	France	bottle Soap	
		beverage bottle	
		tube of cream	
		orange aerosol	
	"French"	plastic wrapper	Jempo
		can beer	
	German	deodorant can	aerosol
		plastic bottle	
		insecticide bottle	
		drain cleaner	
		plastic container	
	Great Britain	suntan lotion	
	Greece	bug spray	Raid
		metal can	
	Holland	medicene	Seafarma
	Italy	suntan lotion	
	Jamaica	cocoa butter	
	Japan	drink bottle	
		cleaning bottle	
	Korea	plastic bag	
Mexico	plastic bottle		
	bottle		
	talcum powder	mineral water	
	baking soda		
	beer can		
	plastic bottles		
	water bottle		
	shampoo		
	bleach bottle		
Norway	tobacco can		
Puerto Rico	lard container	El Cochinito	
Russia	shampoo		
	beer can		
	bug spray	3 cans	
Scandinavian	glass bottle		
Spain	blue gas		

Appendix 3 (Cont.). Foreign Debris Items Reported During the 1992 International Coastal Cleanup

Country	Sources	Type of Debris	Remarks
Florida (Cont.)	"Spanish"	butter container	REG SAN 1600
		plastic lid	
		plastic bottle	
		bottle	eye dropper
		oil	
	South America Thailand Trinidad U.K. Venezuela	powder bottle	
		paint can	
		plastic containers	oil
		wine bottle	
		oil container	Tabaga
Louisiana	Mexico	plastic containers	
		plastic bottle	oil
		deodorant	
		cans	
		plastic bottle	baby powder
Maine	Canada	plastic bottle	detergent
		plastic lobster band	LOB S-F01154
		plastic lobster band	LOB S-F00376
		plastic lobster band	SF33/9100976
		plastic lobster band	SF34/9100483
		plastic lobster band	LOB S-F34192
		plastic lobster band	LOB S-F00509
		plastic lobster band	LOB S-F00382
		plastic lobster band	LOB S-F00409
		plastic lobster band	LOB S-F00762
Massachusetts	Canada	plastic lobster band	LOB S-F00750
		plastic lobster band	LOB S-F00632
		plastic band	LOB S-F34/89
New Jersey	Mexico	plastic tab	LOB S-F34/91
		lobster strap	
		bands	LOB S-F34/91
New York	Canada	plastic strap	Quebec Import Co
	Hebrew	plastic pieces bread wrapper newspaper	Chemicals Limited, Ontario
North Carolina	Spanish	detergent bottle	Spanish writing
	Germany	milk carton	
Oregon	Taiwan	label	Taiwan Shin Yen

Appendix 3 (Cont.). Foreign Debris Items Reported During the 1992 International Coastal Cleanup

Country	Sources	Type of Debris	Remarks
Rhode Island	Italy	cleaner	Detres(SOS)
	Mexico	seed bags	woven plastic
Texas	Brazil	plastic bottle	eye drops
	China	bottle	Canada dry
		shoe box cover	
	German	motor oil bottle	
		aerosol can	Delmenorst
	Greek	bottle	
	Hong Kong	garden wafer	
	Italy	plastic bottle	mineral water
	Jamaica	deodorant bottle	
	Japan	plastic bottle light bulb	
		plastic bottles	Japanese writing
		Han All Phar	Ulcer agent
	Mexico	pill bottle	
		container	corn meal
		bleach bottles	
		plastic bottle	Veedol
		plastic bottle	Clarisol
		plastic bottle	motor oil
		plastic bottle	Cloralex bleach
		shampoo bottle	
		bottle	Farmitalia Cermion
		plastic bottle	
		plastic bottle	bleach bottles
		oil can	
		disinfectant	
		plastic bottle	Chlorox
		bleach bottle	
		plastic bottle	Chorolex
		plastic container	Veedol
		plastic container	motor oil
		oil bottle	Imemsa
		plastic bottle	Clarisol
		plastic bottle	Dacel
		plastic bottle	Friko
		coffee bag	
		bottles	Matropil
		bleach	Clorale
		syringe	Cadena
		plastic bottle	bleach
		black dye	
		bottle	Choralex
		plastic bottle	hair tonic
		black dye	
		bottle	Romerio
		plastic crate	Spanish writing

Appendix 3 (Cont.). Foreign Debris Items Reported During the 1992 International Coastal Cleanup

Country	Sources	Type of Debris	Remarks
TEXAS (Cont.)	Meixco (Cont.)	shampoo bottle	
		plastic bottle	
		plastic bottle	acetone
		candy wrapper	
		plastic crate	
		plastic bottle	
		milk carton	
		glass bottle	San Juan
		plastic bottle	
		coffee cans	
		two bleach bottles	
		plastic lids	
		food container	Primavera
		plastic bottles	
		plastic tube	
		bug spray	
		bottle	Cloralex
		shampoo container	
		six plastic bottle	
		coke bottle	
		oil bottle	
		two Clorex bottles	
		Veedol	
		pinol	
		plastic bottle	butter tub
		cleaning products	
		aerosol can	Palmolive
		plastic bottle	shampoo
		two plastic bottle	
		coupons	
		plastic bottles	Valencian
		beer bottles	
		plastic bottles	Clorax
bottle	disinfectant		
two plastic bottles			
plastic bottles	laundry soap		
bleach bottles			
plastic bottles	cleaning		
bag	Gra Sol Beau		
plastic bag	Premid		
bottle cap	Joya Company		
strapping band	plastic		
plastic bottle	clarasol		
fruit bottle			
food sack			
plastic container	butter		
plastic cups			
two drink bottle			
plastic bottle			

Appendix 3 (Cont.). Foreign Debris Items Reported During the 1992 International Coastal Cleanup

Country	Sources	Type of Debris	Remarks
TEXAS (Cont.)	Mexico (Cont.)	soybean drink plastic bottle suntan lotion	
	Thailand	food wrap plastic bottle	drinking water
Virginia	China	plastic bag	
	Greece	plastic jar	
	India	coffee can	
	Japan	bottle	
	Korean	detergent bottle	
	Singapore	milk carton	
Virgin Islands	Spain	milk carton	
	Britain	wine bottle	
	Canada	plastic container	
	France	wrapper	
		plastic bottle	margarine
		can	
	Germany	beer bottle	
Holland	plastic bottle	salt	
Italy	bottle		
	Puerto Rico	plastic cover can	Crossco Company sunkist
Spain	cigarettes		
	plastic		
Washington	Japan	shampoo bottle	
	Korea	soap bottle	
VENEZUELA	Guiria	Barbados	can deodorant
	Dutch Antilles	plastic bottle	"Disislin"
	England	2 plastic bottles	"Lockheed Super 105"
		Jamaica	jug
	Trinidad	plastic container	"Harpic"
		plastic container	"Super Stream"
	3 plastic containers	2 plastic bottles	"Kleenol" detergent
		plastic bottle	Pear refreshment
	plastic bottle	"Cole Cold"	
	plastic bottle	"Solo"	
	plastic bottle	"King Orange"	
	2 plastic jugs	"Sqezy"	
	plastic container	"Illusion"	
	USA	plastic bottle	"PCA" shampoo
can		"Secret"	
plastic bottle		"White Rain"	



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