

MARINE DEBRIS: JAMAICA'S RESPONSE

Presented by:

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UN Open Ended Informal Consultative Process on Oceans
and the Law of the Sea (6th Meeting)

NY 6-10 June 2005



The Backdrop

In 1997, Jamaica was declared an archipelagic state. The country has 12 miles of territorial sea around the coast, and subject to delimitation agreements, a potential marine area measuring twenty four times the size of the landmass.



The Caribbean



Current Issues

Approximately two thirds of Jamaica's population live in coastal towns and cities. Most industrial and commercial activities are also concentrated along the coast. Inadequate urban infrastructure, high levels of poverty, and a reliance on coastal tourism have contributed to the production of marine debris and the consequent pollution of coastal waters and the degradation of coastal habitats.



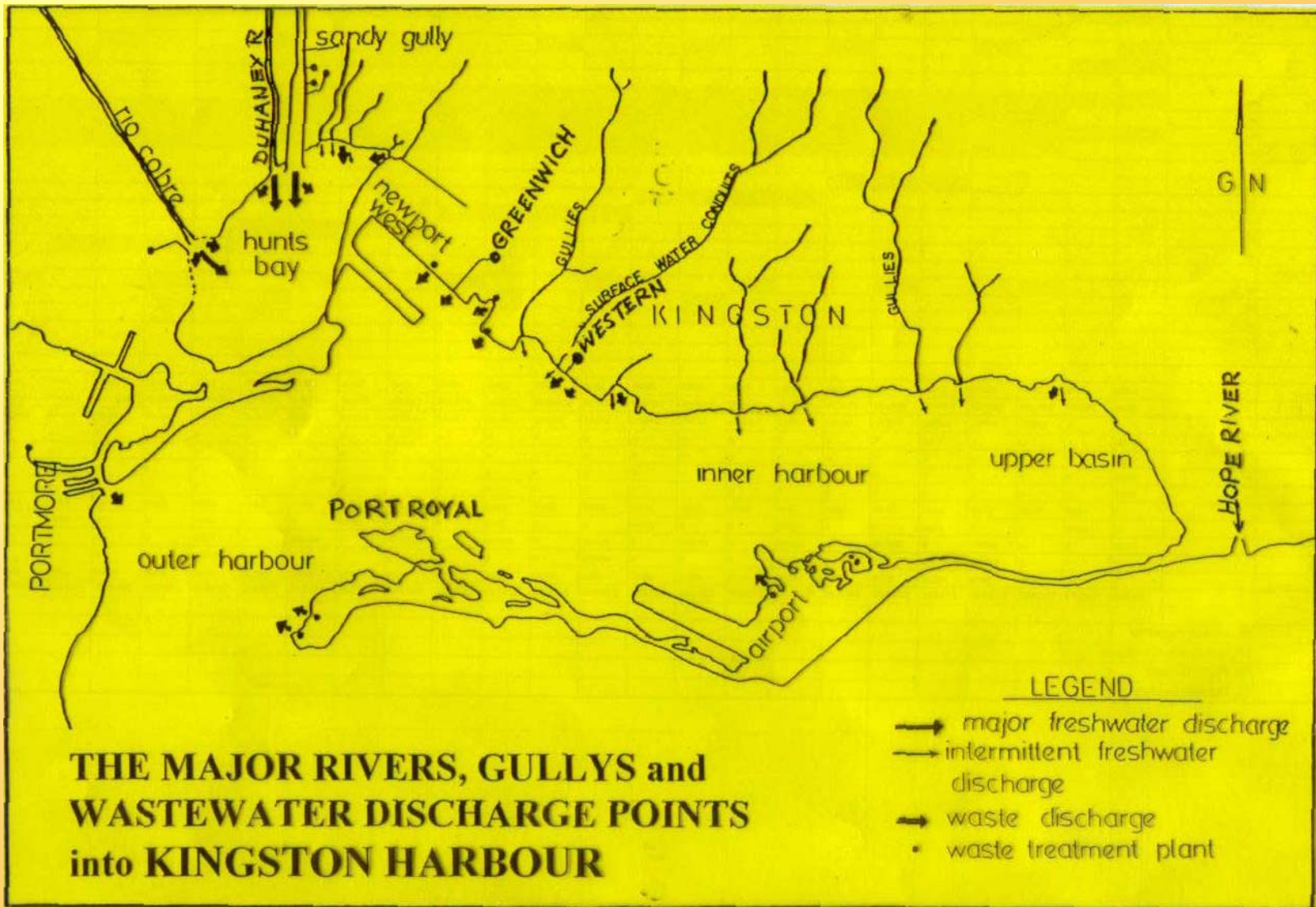
MAP OF JAMAICA SHOWING LOCATION OF KINGSTON HARBOUR



MARINE DEBRIS IN THE *KINGSTON HARBOUR:* *A CASE STUDY*

The Kingston Harbour receives a considerable amount of solid waste that is discharged into the bay via 15 major gullies and waterways. The harbour is virtually land-locked; and has limited flushing action (studies show that the water is interchanged with the Caribbean Sea every 29 days).





MARINE DEBRIS IN THE *KINGSTON HARBOUR:* A CASE STUDY

Each Jamaican generates 1kg (2lbs) of waste per day...only 70% of this is collected by National Solid Waste Management Authority (NSWMA)...the remaining 30% is either burnt or disposed of in gullies/waterways.



PRIMARY SOURCES OF MARINE DEBRIS

- Discharges of Solid Waste from storm-water gullies/drains:
- Solids from Malfunctioning Sewage Treatment Plants



PRIMARY SOURCES OF MARINE DEBRIS *cont'd*



- White Wastes: old fridges/stoves, beds, mattresses, old cars...etc
- Garbage from Ships (dunnage)
- Informal Settlements



- Run-off from Waterfront Construction sites, Port Expansion and Pier Development Activities



Source: Shanti Persaud, 2005



Ocean Currents
distribute non-
biodegradable
wastes along coasts
around the harbour

...and among mangrove roots



JAMAICA'S INITIATIVES

Informal Sorting at the Riverton City Dump/landfill



WASTE	COLLECTION MECHANISMS
Cell Phones	<ul style="list-style-type: none"> ▪NSWMA is spearheading a <i>Cell Phone Collection Programme</i> in collaboration with local companies.
Newspaper	<ul style="list-style-type: none"> ▪Jamaica Society for the Prevention of Cruelty to Animals (JSPCA) ▪Jamaica Environment Trust (JET)
<ul style="list-style-type: none"> -PET Bottles -Cardboard -Clear & Green Glass Bottles 	<ul style="list-style-type: none"> ▪Jamaica Environment Trust
Print Cartridges	<ul style="list-style-type: none"> •TPG Imaging
White Waste (fridges etc.)	<ul style="list-style-type: none"> •NSWMA – note: this collection is done on a street by street basis. For collection, call in to the NSWMA to schedule time. It is preferred that this activity be done through community/church groups.



RECYCLE FOR LIFE



Public Education Campaign

- NEPA PubEd Branch
- Kingston Harbour Project
- KSA PDC
- NSWMA



Drop off Points for Used Lead Acid Batteries.

Kingston & St. Andrew

Automotive Power
4 Arlington Avenue
Kingston 2

Automax Service Centre
Manor Park Plaza
Kingston 8
Tel: 925-8481
FAX: 931-5890

Caribrake
149 - 167 Hagley Park Rd
Tel: 937-2160/2157
FAX: 923-6873

KACS Auto Sales & Service
122 Constant Spring Road,
Kingston 8
Tel: 931-7672/931-9619
between the hours of 10am - 1pm

AutoMax Esso Service Centre
14 B South Camp Road,
Kingston

St. Elizabeth

Roger's Esso
Mountain Side P.O.
Tel: 489-5641

Superior Car Care
15 Main Street
Santa Cruz
Tel: 371-3178

Santa's Battery & Sales
Jewel Close
Santa Cruz
(Tel & Fax) 966-2199

St. Catherine

Automax Wheel Alignment
3 Braeton Park Way
Portmore Pines
Tel: 740-6568
FAX: 740-6567

Jones Battery Co. Ltd.
P.O. Box 116
Rosehall
Linstead
Tel: 903-2608

JamPet
48 Brunswick Avenue
Spanish Town

Westmoreland

Rodmax Auto Parts
19 Seaton St
Sav-la-mar
Tel: 955-9708/422-1715

H.C.L&E Texaco
Box 31
Grange Hill P.O.
Tel: 918-8125

Motor City Autoparts
West End Road
Negril
Tel: 957-0456
FAX: 957-3081

Batteries and Accessories
93a Great Georges Street
Imperial Plaza
Savannah La Mar
Tel: 955-3553/955-2518

Clarendon

Michael Kenny's Esso
54 Main Street
May Pen
Tel: 966-2261

**Shagoury's Block Factory
(Bills Gas)**
23 Paisley Avenue
May Pen
Tel: 902-6057
FAX: 986-2674
open between 9am - 2pm

Manchester

Naal & Massey Wheel Alignment
4 Brumalia Road
Mandeville
Tel: 982-2614
FAX: 926-5124

St. Thomas

Automax
23 Church Street
Morant Bay
Tel: 441-2222

D & D Tires
44 Lysons Road
Morant Bay
(Tel & Fax) 441-2222

Daley's Auto
64a Lysons Road
Lysons P.O.
Tel: 982-2652
FAX: 734-2052

Portland

Petcom
Lot 138n Bryans Bay
Port Antonio
Tel: 715-2180/715-3532
FAX: 993-9465

St. Ann

Lydford Service Ltd.
Lydford P.O.
Tel: 387-1999
FAX: 973-1556

St. James

Desmond Hittingham & Sons
2000



Protect your Children and Yourself !



**DON'T BE POISONED BY LEAD
TURN IN YOUR USED LEAD ACID BATTERIES INSTEAD.**

**Ministry of Land and Environment (MLE), National Environment and Planning Agency (NEPA), Ministry of Health (MOH),
Jamaica Customs Department (JCD) and National Solid Waste Management Authority (NSWMA)**



Annual Beach Cleanup



PRIORITY AREAS FOR ACTION

- Sewage Collection, Treatment and Disposal
- Wastewater Management
- Agricultural Practices
- Collection and Disposal of Solid Waste
- Ship-Waste Reception Facilities



Ship releasing ballast water into Kingston Harbour

Thank you for your attention!

