

Marine Debris



Photograph: Eduardo Munoz/Reuters

<http://www.guardian.co.uk/environment/gallery/2009/jun/05/waste-world-environment-day>

Introduction

- ▶ What is marine debris?
- ▶ [Video](#)



<http://bushwarriors.wordpress.com/tag/ocean-conservation/>

Objectives

- ▶ Determine when a Marine Debris Encounter form is required
- ▶ Demonstrate your ability to complete the Marine Debris form

Marine Debris Encounter form

- ▶ Gear & vessel interactions
 - Longline, gillnet, purse seine > each encounter
 - Trawl > vessel interactions only

Marine Debris Encounter

This information is being used to help determine the economic cost of marine debris impacts.

Page ____ of ____

Observer code	Vessel code	Trip ID	Haul No.
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Time & Position of Encounter with Debris (includes vessel, gear and animals)

Date (dd/mm/yy)	Time (24-hr)	Lat-Deg	Lat-Min	N / S	Long-Deg	Long-Min	E / W
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Incident Type (check one or more):

- Gear Interaction Vessel Interaction Entangled Species Caught (e.g., entangled fish)

Debris Type (check one or more):

- Net: _____ Cloth Plastic packing straps
 Rope Plastic sheeting Floats / buoys
 Monofilament line Plastic bags FAD (fish aggregating device)
 Metal (describe): _____
 Other (describe): _____

Biota Type (check one or more and list species names if known):

- Fish
 Crustaceans
 Encrusting organisms
 No biota/organisms present

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FADs

- ▶ Fish aggregate below
- ▶ Floating objects – natural & man-made



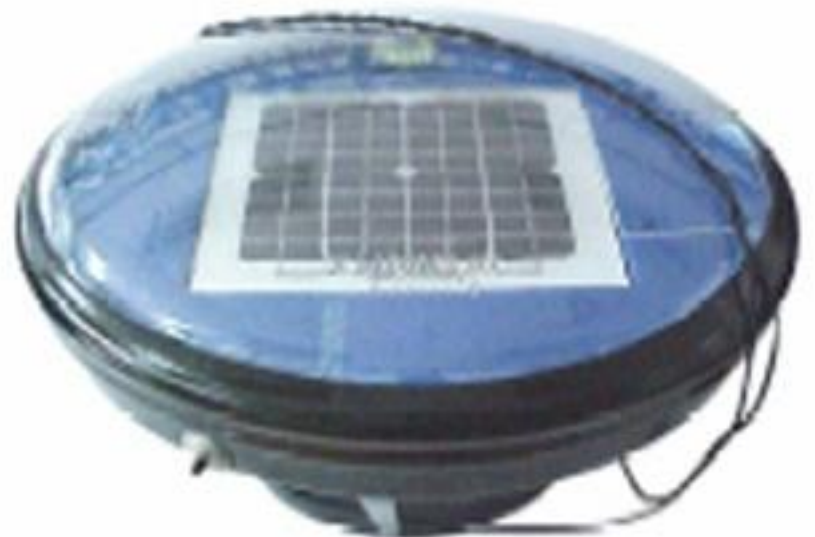
<http://www.dennisalbert.com/2004/March.htm>



<http://oceanexplorer.noaa.gov>

FADs

- ▶ Fish aggregate below
- ▶ Floating objects – natural & man-made
- ▶ Allows tracking of objects



Monofilament line

Plastic bags

FAD (fish aggregating device)

Metal (describe): _____

Other (describe): _____

Biota Type (check one or more and list species names if known):

Fish

Crustaceans

Encrusting organisms

No biota/organisms present

Description of incident type and debris object/material (describe the type of incident in more detail, diameter or width, length, colors and biota living on the debris):

Weight (kg): _____

Photos: Y / N

Brought onboard for disposal: Y / N

Length of downtime (hrs): _____

Description of downtime and cost (describe what was done during downtime (e.g. propeller disentangled by divers) and details of cost):

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Plastic bags

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Activity

- ▶ Use information on handout to complete a Marine Debris Encounter form
- ▶ 5–10 minutes

Summary

- ▶ Would you need a Marine Debris Encounter form for...
 - Plastic sheeting caught in the trawl net?
 - Abandoned gillnet caught in the prop
 - Crab pot entangled with your demersal longline?
 - ▶ Gear or vessel interaction for above?

 - ▶ Thanks to Carey Morishige (NOAA Marine Debris Program, Honolulu, HI) for assistance with form design and development.
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