Marine Debris



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 Enocunter

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.
Time & Position of Encount	er with Debris (includes vesse	el, gear and animals)
Date (dd/mm/yy) Time (24-hr)	Lat-Deg Lat-Min N Long-	-Deg Long-Min E
	s s	l w
Incident Type (check one or	more):	
Gear Interaction	Vessel Interaction	Entangled Species Caught (e.g., entangled fish)
Debris Type (check one or m	ore):	
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 mo	re and list species names if kn	own):
Crustaceans		
Encrusting organisms	s	
No biota/organisms p	present	

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Gear Interac	tion	Vessel	Interaction			Entangled S	10.00	es Caugl	ht (e.g.,
Debris Type (check	one or mor	e):				ortaligiou ii	011)		
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Rope		Pla	stic sheetin	ng		Floats / buo	ys		
Monofilamen	it line	Pla	stic bags			FAD (fish a	ggreg	ating de	vice)
Metal (descr	ibe):								
Other (descr	ibe):								
Biota Type (check or	ne or more	and list s	pecies nam	es if	known):			
Fish									
Crustaceans	i								
Encrusting o	rganisms								
No biota/org	anisms pre	sent							

What's a FAD?

Fish aggregate below



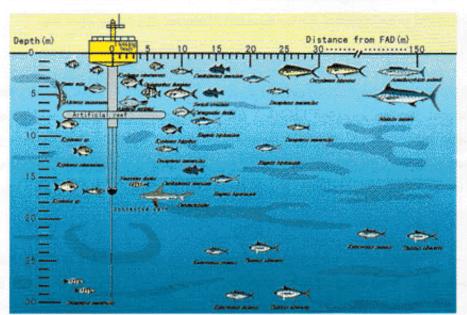


Fig. 2 Fishes aspect around large-scale FAD. http://snf.fra.affrc.go.jp/English/wwwsupl/supl10.htm

FADs

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





FADs

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



http://forman.en.ec21.com/

	<u> </u>	FAD (fish aggregating device)
Metal (describe):	
Other (describe	e):	
Biota Type (check one	or more and list species name	s if known):
Crustaceans		
Encrusting org	anisms	
	sms present	
escription of inciden		erial (describe the type of incident in more on the debris):
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Description of incident letail, diameter or width Veight (kg):	t type and debris object/mate, length, colors and biota living	on the debris):
Description of incident letail, diameter or width Veight (kg): ength of downtime (l	t type and debris object/mate, length, colors and biota living Photos: Y / N	on the debris):

	Monofilamen	t line Plastic ba	ags FAD (fish aggregating device)	
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	Metal (descri	be):		
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	•		what was done during downtime (e.g. propeller	

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.