

# Vessel Sightings & IUU

# Objectives

---

- List 5 types of information to record if an IUU vessel is sighted

## Vessel and Aircraft Sightings

Observer code	Vessel code	Trip ID
---------------	-------------	---------

	Date (dd/mm/yy)	Time (24-hr)	Latitude (dd mm.mm)	N/S	Longitude (ddd mm.mm)	E/W	Direction (deg.)	Dist. (nmi)
1	Name	Visible numbers	Flag	Type	Activity	Speed (kts)	Hull material	
Comments								
2	Date (dd/mm/yy)	Time (24-hr)	Latitude (dd mm.mm)	N/S	Longitude (ddd mm.mm)	E/W	Direction (deg.)	Dist. (nmi)
	Name	Visible numbers	Flag	Type	Activity	Speed (kts)	Hull material	
Comments								

<p><b>Type codes</b></p> <table style="width: 100%;"> <tr> <td>1 Purse seine</td> <td>7 Trampler / transhipment</td> </tr> <tr> <td>2 Longline</td> <td>8 Light aircraft</td> </tr> <tr> <td>3 Pole &amp; line</td> <td>9 Helicopter</td> </tr> <tr> <td>4 Trawler</td> <td>10 Other: specify in comment</td> </tr> <tr> <td>5 Troll</td> <td></td> </tr> <tr> <td>6 Gillnet</td> <td></td> </tr> </table>	1 Purse seine	7 Trampler / transhipment	2 Longline	8 Light aircraft	3 Pole & line	9 Helicopter	4 Trawler	10 Other: specify in comment	5 Troll		6 Gillnet		<p><b>Activity codes</b></p> <table style="width: 100%;"> <tr> <td style="width: 33%;"></td> <td style="width: 33%; text-align: center;"><u>Receiving</u></td> <td style="width: 33%; text-align: center;"><u>Giving</u></td> </tr> <tr> <td>1 Fishing</td> <td>7 Transshipping fish</td> <td>11 Transshipping fish</td> </tr> <tr> <td>2 Possibly fishing</td> <td>8 Set sharing</td> <td>12 Set sharing</td> </tr> <tr> <td>3 Not fishing</td> <td>9 Bunkering</td> <td>13 Bunkering</td> </tr> <tr> <td>4 Dumping fish</td> <td>10 Other (specify)</td> <td>14 Other (specify)</td> </tr> <tr> <td>5 Transitting</td> <td></td> <td></td> </tr> <tr> <td>6 Other (specify)</td> <td></td> <td></td> </tr> </table>		<u>Receiving</u>	<u>Giving</u>	1 Fishing	7 Transshipping fish	11 Transshipping fish	2 Possibly fishing	8 Set sharing	12 Set sharing	3 Not fishing	9 Bunkering	13 Bunkering	4 Dumping fish	10 Other (specify)	14 Other (specify)	5 Transitting			6 Other (specify)		
1 Purse seine	7 Trampler / transhipment																																	
2 Longline	8 Light aircraft																																	
3 Pole & line	9 Helicopter																																	
4 Trawler	10 Other: specify in comment																																	
5 Troll																																		
6 Gillnet																																		
	<u>Receiving</u>	<u>Giving</u>																																
1 Fishing	7 Transshipping fish	11 Transshipping fish																																
2 Possibly fishing	8 Set sharing	12 Set sharing																																
3 Not fishing	9 Bunkering	13 Bunkering																																
4 Dumping fish	10 Other (specify)	14 Other (specify)																																
5 Transitting																																		
6 Other (specify)																																		

## Vessel and Aircraft Sightings

Observer code	Vessel code	Trip ID
---------------	-------------	---------

Date (dd/mm/yy)	Time (24-hr)	Latitude (dd mm.mm)	N/S	Longitude (ddd mm.mm)	E/W	Direction (deg.)	Dist. (nmi)														
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Name</td> <td style="width: 25%;">Visible numbers</td> <td style="width: 25%;">Flag</td> <td style="width: 25%;">Type</td> <td style="width: 25%;">Activity</td> <td style="width: 12.5%;">Speed (kts)</td> <td style="width: 12.5%;">Hull material</td> </tr> <tr> <td colspan="7">Comments</td> </tr> </table>								Name	Visible numbers	Flag	Type	Activity	Speed (kts)	Hull material	Comments						
Name	Visible numbers	Flag	Type	Activity	Speed (kts)	Hull material															
Comments																					
Date (dd/mm/yy)	Time (24-hr)	Latitude (dd mm.mm)	N/S	Longitude (ddd mm.mm)	E/W	Direction (deg.)	Dist. (nmi)														
2																					
Comments																					

<p><b>Type codes</b></p> <table style="width: 100%;"> <tr> <td>1 Purse seine</td> <td>7 Trampler / transhipment</td> </tr> <tr> <td>2 Longline</td> <td>8 Light aircraft</td> </tr> <tr> <td>3 Pole &amp; line</td> <td>9 Helicopter</td> </tr> <tr> <td>4 Trawler</td> <td>10 Other: specify in comment</td> </tr> <tr> <td>5 Troll</td> <td></td> </tr> <tr> <td>6 Gillnet</td> <td></td> </tr> </table>	1 Purse seine	7 Trampler / transhipment	2 Longline	8 Light aircraft	3 Pole & line	9 Helicopter	4 Trawler	10 Other: specify in comment	5 Troll		6 Gillnet		<p><b>Activity codes</b></p> <table style="width: 100%;"> <tr> <td style="width: 33%;"></td> <td style="width: 33%; text-align: center;"><u>Receiving</u></td> <td style="width: 33%; text-align: center;"><u>Giving</u></td> </tr> <tr> <td>1 Fishing</td> <td>7 Transshipping fish</td> <td>11 Transshipping fish</td> </tr> <tr> <td>2 Possibly fishing</td> <td>8 Set sharing</td> <td>12 Set sharing</td> </tr> <tr> <td>3 Not fishing</td> <td>9 Bunkering</td> <td>13 Bunkering</td> </tr> <tr> <td>4 Dumping fish</td> <td>10 Other (specify)</td> <td>14 Other (specify)</td> </tr> <tr> <td>5 Transitting</td> <td></td> <td></td> </tr> <tr> <td>6 Other (specify)</td> <td></td> <td></td> </tr> </table>		<u>Receiving</u>	<u>Giving</u>	1 Fishing	7 Transshipping fish	11 Transshipping fish	2 Possibly fishing	8 Set sharing	12 Set sharing	3 Not fishing	9 Bunkering	13 Bunkering	4 Dumping fish	10 Other (specify)	14 Other (specify)	5 Transitting			6 Other (specify)		
1 Purse seine	7 Trampler / transhipment																																	
2 Longline	8 Light aircraft																																	
3 Pole & line	9 Helicopter																																	
4 Trawler	10 Other: specify in comment																																	
5 Troll																																		
6 Gillnet																																		
	<u>Receiving</u>	<u>Giving</u>																																
1 Fishing	7 Transshipping fish	11 Transshipping fish																																
2 Possibly fishing	8 Set sharing	12 Set sharing																																
3 Not fishing	9 Bunkering	13 Bunkering																																
4 Dumping fish	10 Other (specify)	14 Other (specify)																																
5 Transitting																																		
6 Other (specify)																																		



# How to determine if a vessel is fishing – stern trawler example

**Vessel speed  
2-3 knots**

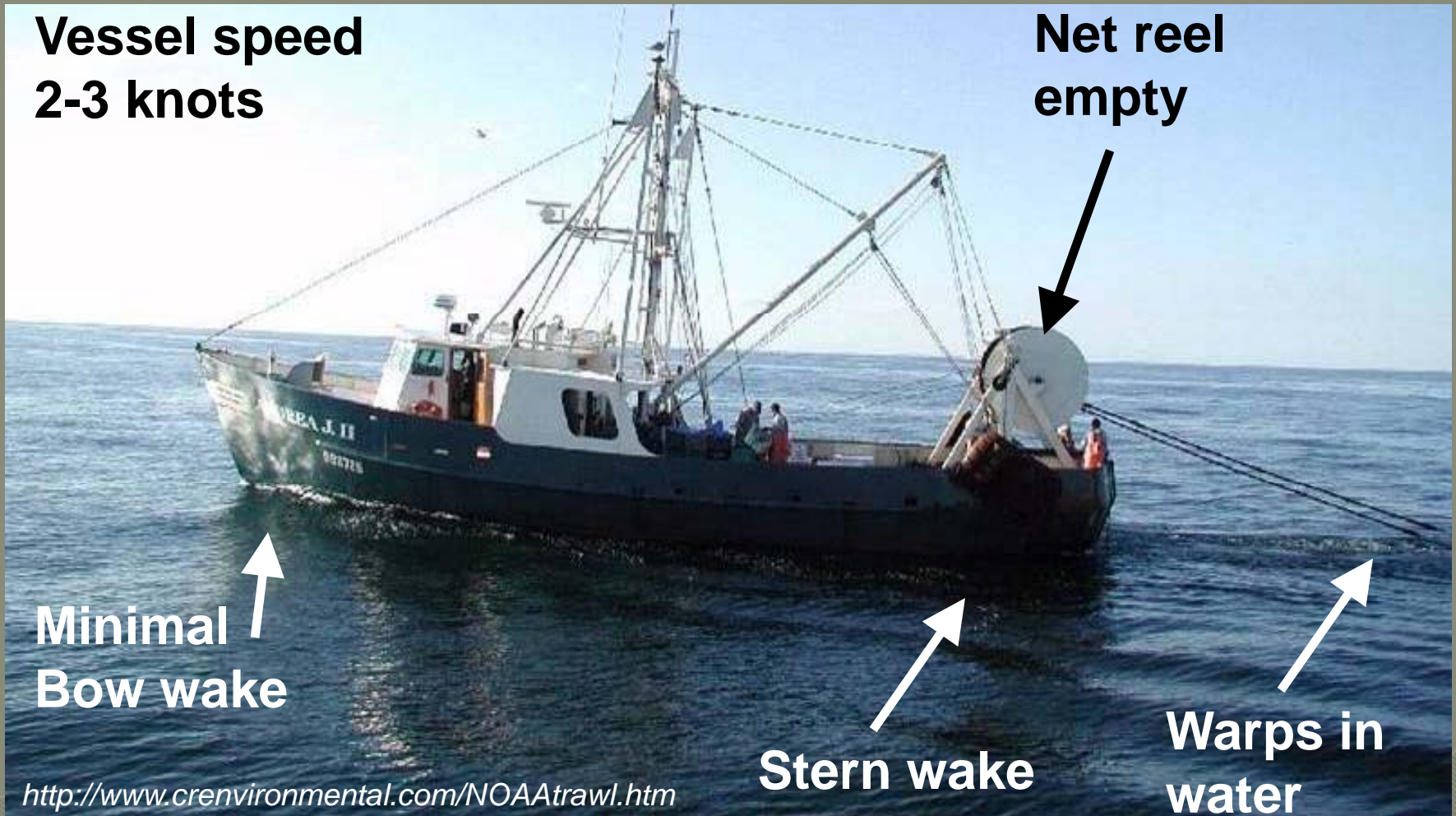
**Net reel  
empty**

**Minimal  
Bow wake**

**Stern wake**

**Warps in  
water**

<http://www.crenvironmental.com/NOAAtrawl.htm>



# How to determine if a vessel is fishing – shrimp trawler example

**Vessel speed  
2-3 knots**

**Outriggers  
extended**

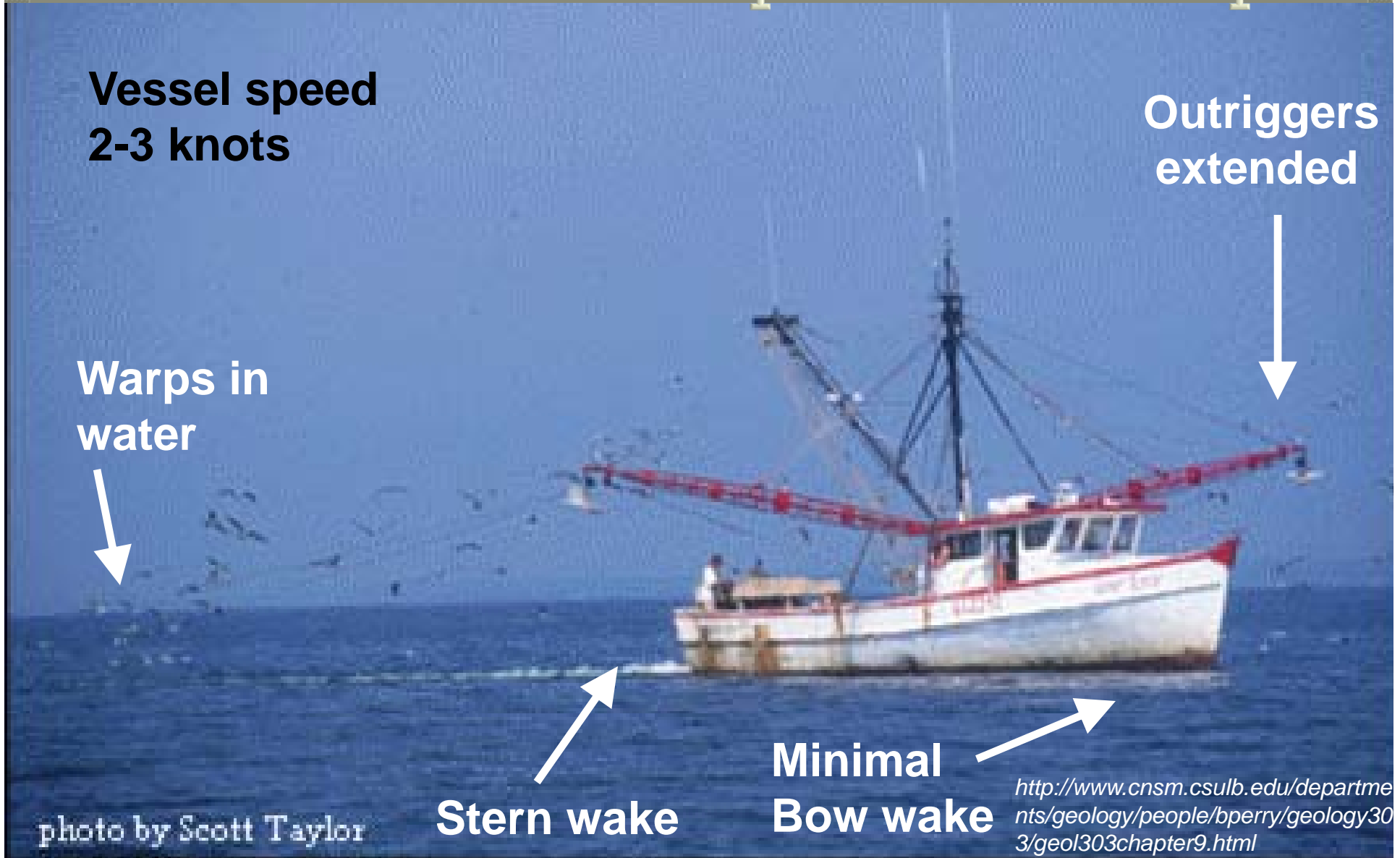
**Warps in  
water**

**Stern wake**

**Minimal  
Bow wake**

<http://www.cnsm.csulb.edu/departments/geology/people/bperry/geology303/geol303chapter9.html>

photo by Scott Taylor



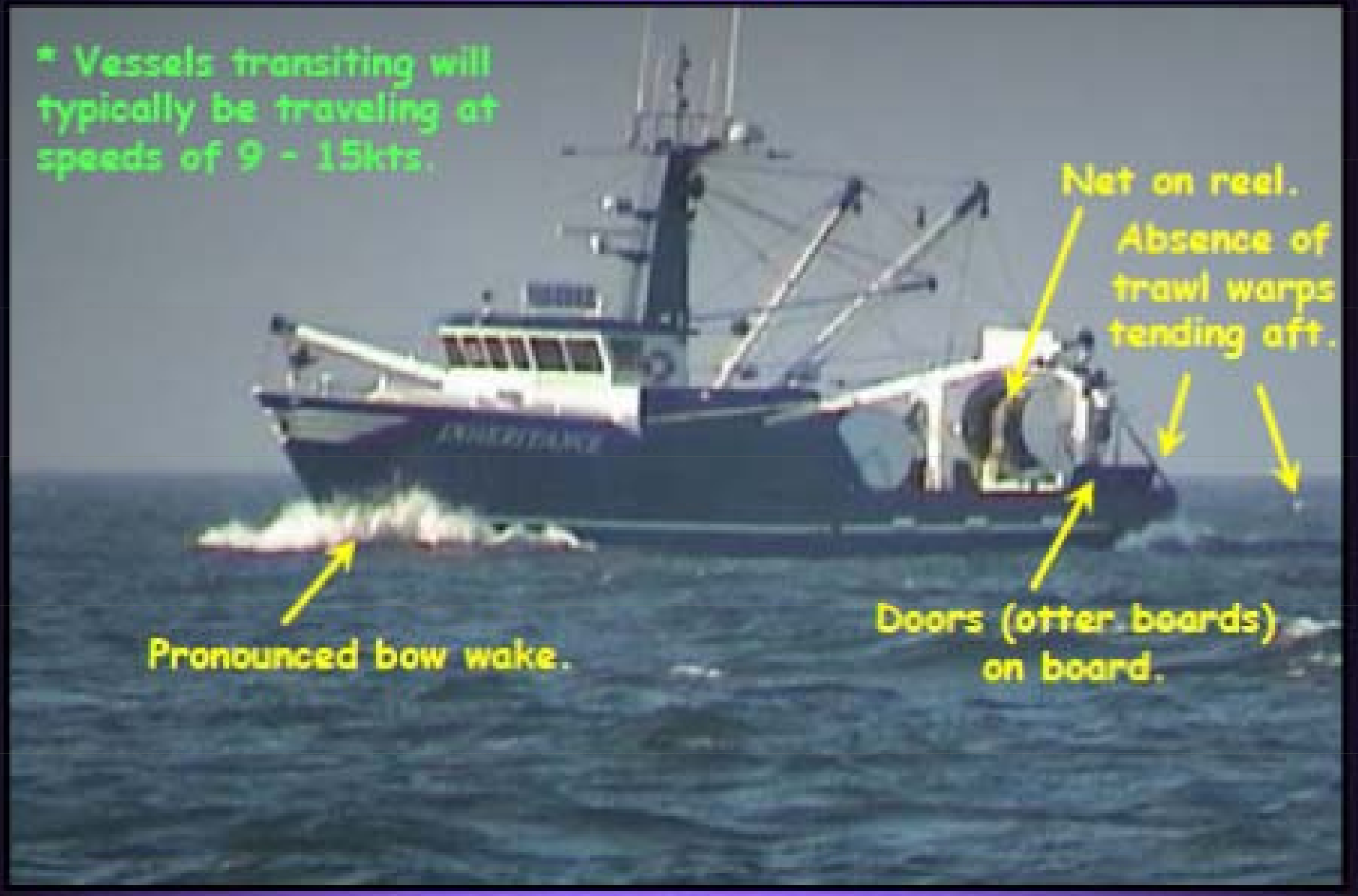
## What about outrigger's being extended!



"Extended outriggers" is not an indication that a vessel is fishing. A fishing vessel will often extend it's outriggers while in transit as well, especially in choppy seas to prevent pitching / rolling.

# "How did you determine the vessel was transiting?"

\* Vessels transiting will typically be traveling at speeds of 9 - 15kts.



Net on reel.  
Absence of  
trawl warps  
tending aft.

Pronounced bow wake.

Doors (otter boards)  
on board.



## Vessel and Aircraft Sightings

Observer code	Vessel code	Trip ID
---------------	-------------	---------

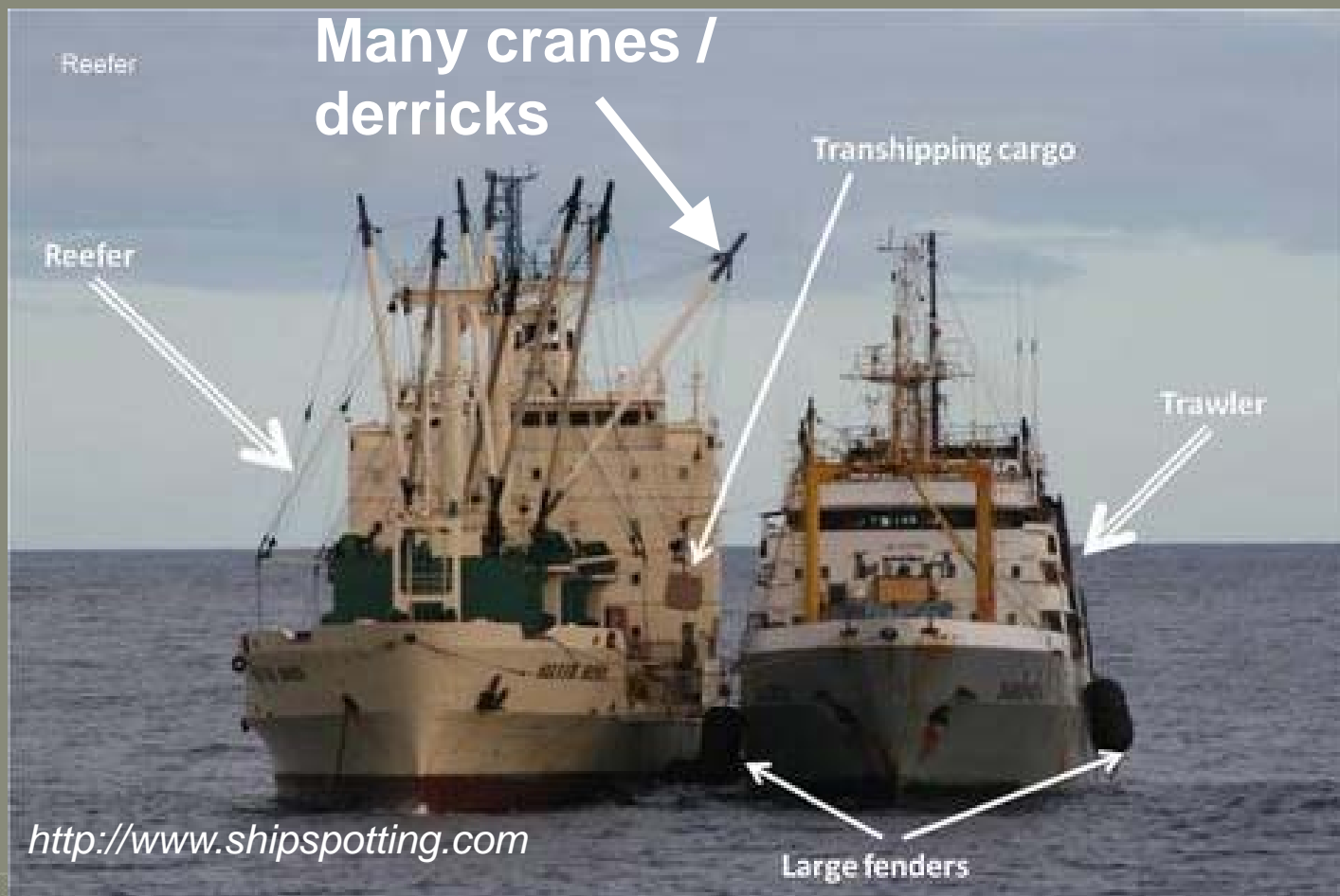
1	Date (dd/mm/yy)	Time (24-hr)	Latitude (dd mm.mm)	N/S	Longitude (ddd mm.mm)	E/W	Direction (deg.)	Dist. (nmi)
	Name	Visible numbers	Flag		Type	Activity	Speed (kts)	Hull material
	Comments							

2	Date (dd/mm/yy)	Time (24-hr)	Latitude (dd mm.mm)	N/S	Longitude (ddd mm.mm)	E/W	Direction (deg.)	Dist. (nmi)
	Name	Visible numbers	Flag		Type	Activity	Speed (kts)	Hull material
	Comments							

<p><b>Type codes</b></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">1 Purse seine</td> <td style="width: 50%;">7 Trampler / transhipment</td> </tr> <tr> <td>2 Longline</td> <td>8 Light aircraft</td> </tr> <tr> <td>3 Pole &amp; line</td> <td>9 Helicopter</td> </tr> <tr> <td>4 Trawler</td> <td>10 Other: specify in comment</td> </tr> <tr> <td>5 Troll</td> <td></td> </tr> <tr> <td>6 Gillnet</td> <td></td> </tr> </table>	1 Purse seine	7 Trampler / transhipment	2 Longline	8 Light aircraft	3 Pole & line	9 Helicopter	4 Trawler	10 Other: specify in comment	5 Troll		6 Gillnet		<p><b>Activity codes</b></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;"></td> <td style="width: 33%; text-align: center;"><u>Receiving</u></td> <td style="width: 33%; text-align: center;"><u>Giving</u></td> </tr> <tr> <td>1 Fishing</td> <td>7 Transshipping fish</td> <td>11 Transshipping fish</td> </tr> <tr> <td>2 Possibly fishing</td> <td>8 Set sharing</td> <td>12 Set sharing</td> </tr> <tr> <td>3 Not fishing</td> <td>9 Bunkering</td> <td>13 Bunkering</td> </tr> <tr> <td>4 Dumping fish</td> <td>10 Other (specify)</td> <td>14 Other (specify)</td> </tr> <tr> <td>5 Transitting</td> <td></td> <td></td> </tr> <tr> <td>6 Other (specify)</td> <td></td> <td></td> </tr> </table>		<u>Receiving</u>	<u>Giving</u>	1 Fishing	7 Transshipping fish	11 Transshipping fish	2 Possibly fishing	8 Set sharing	12 Set sharing	3 Not fishing	9 Bunkering	13 Bunkering	4 Dumping fish	10 Other (specify)	14 Other (specify)	5 Transitting			6 Other (specify)		
1 Purse seine	7 Trampler / transhipment																																	
2 Longline	8 Light aircraft																																	
3 Pole & line	9 Helicopter																																	
4 Trawler	10 Other: specify in comment																																	
5 Troll																																		
6 Gillnet																																		
	<u>Receiving</u>	<u>Giving</u>																																
1 Fishing	7 Transshipping fish	11 Transshipping fish																																
2 Possibly fishing	8 Set sharing	12 Set sharing																																
3 Not fishing	9 Bunkering	13 Bunkering																																
4 Dumping fish	10 Other (specify)	14 Other (specify)																																
5 Transitting																																		
6 Other (specify)																																		

# Transshipment vessel

- Also called tramper or reefer



# Transshipment vessel



Two large cranes

Photo: Gilles Hosch  
(<http://www.panoramio.com/photo/384264>)

Large open deck

# Pelagic longline vessel

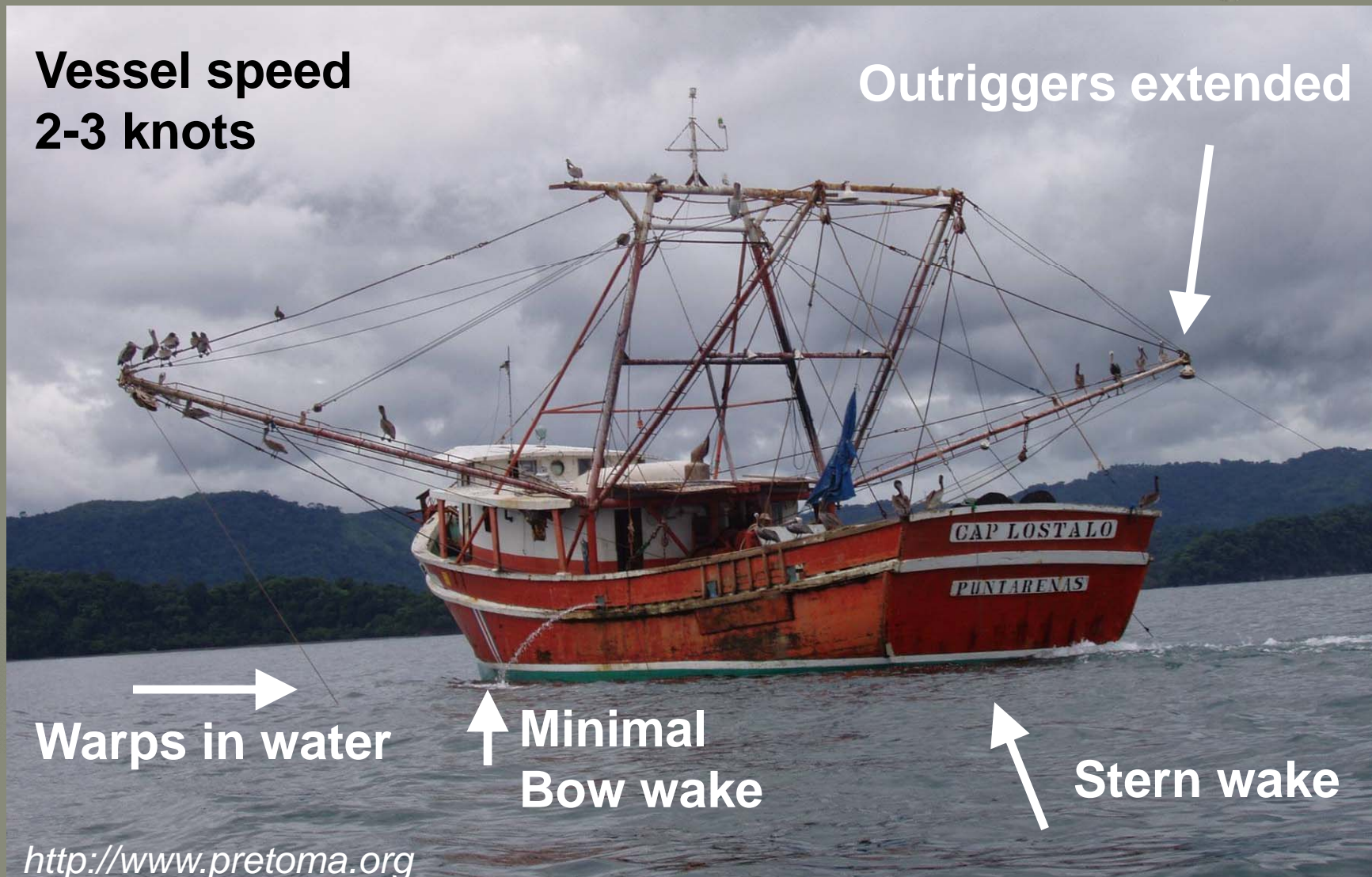




# Describe vessel Is this vessel fishing?

**Vessel speed  
2-3 knots**

**Outriggers extended**



**Warps in water**

**Minimal  
Bow wake**

**Stern wake**

<http://www.pretoma.org>





# Longline vessel



Bigaro – 27/2/10- <http://www.ccamlr.org/pu/E/sc/fish-monit/iuu-vess-09/bigaro.pdf>

**RESTRICTED**



**Gear deployment window**



**Buoys**



**Gear retrieval window**

©Chris Howell  
<http://www.shipspotting.com>



# Refueling vessel

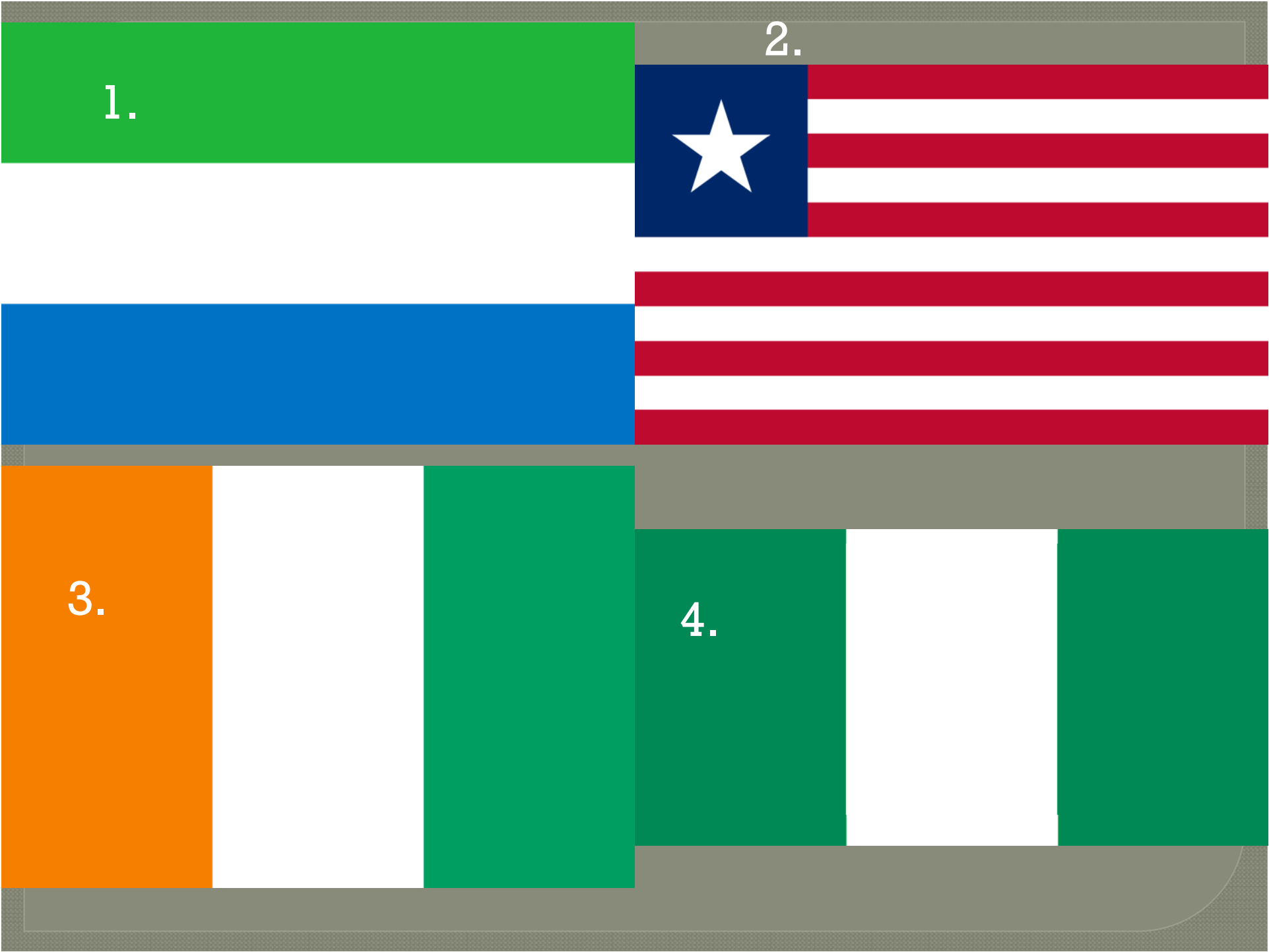


© Tomas Østberg- Jacobsen  
<http://www.shipspotting.com>



Know your flags?

---



1.

2.

3.

4.



5.



6.



7.



8.



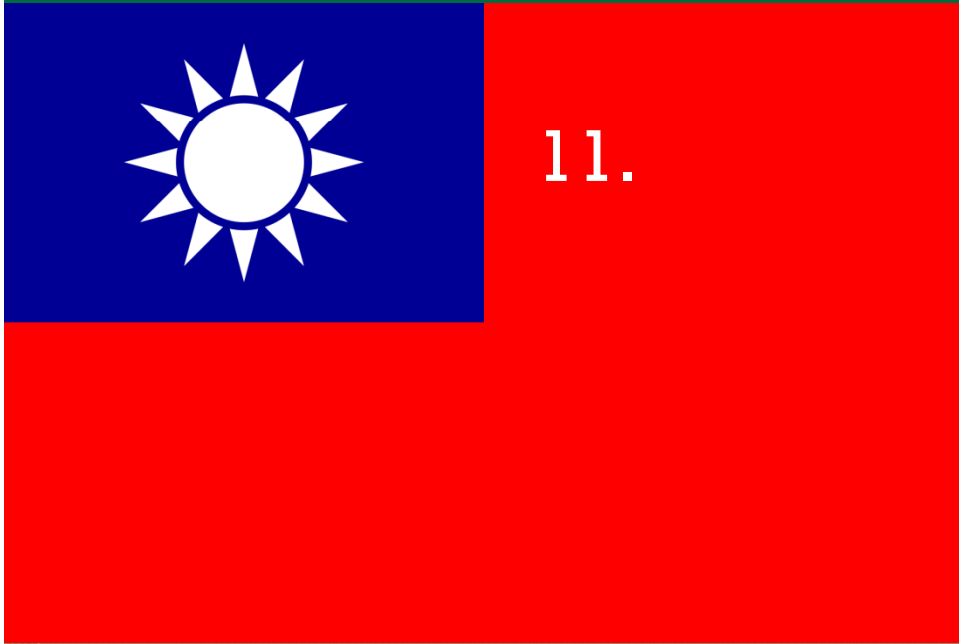
9.



10.



11.



12.





13.



14.

15.



16.

17.



18.

19.



20.



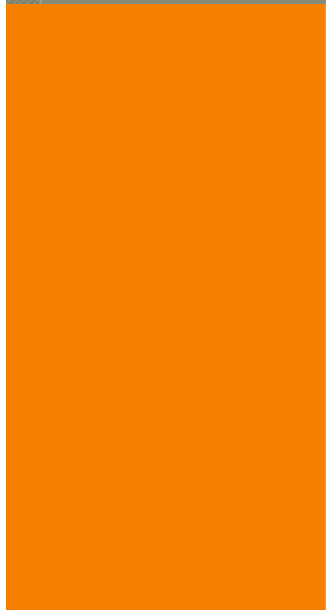
1. Sierra Leone

2. Liberia



3. Cote d'Ivoire

3. Nigeria



5. European Union



6. South Korea



7. China



8. Spain



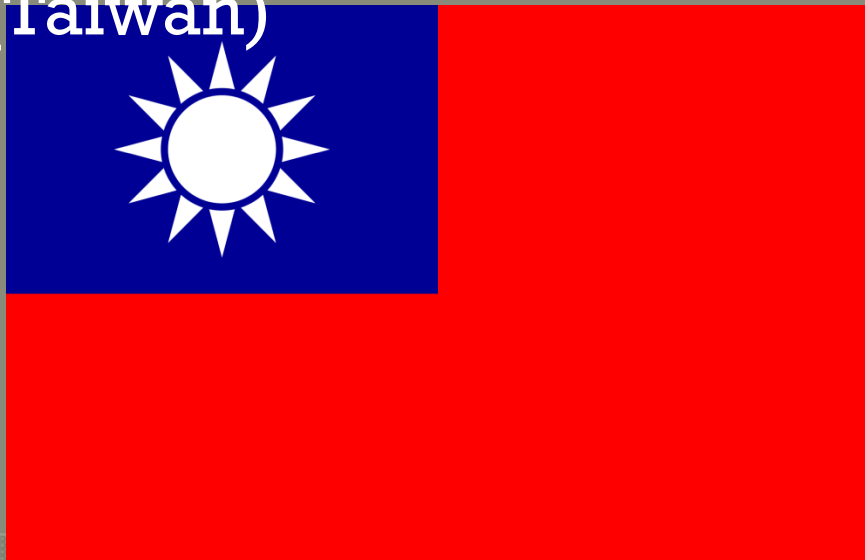
9. Ghana



10. Senegal



11. Republic of China  
(Taiwan)



12. Costa Rica



13. Panama



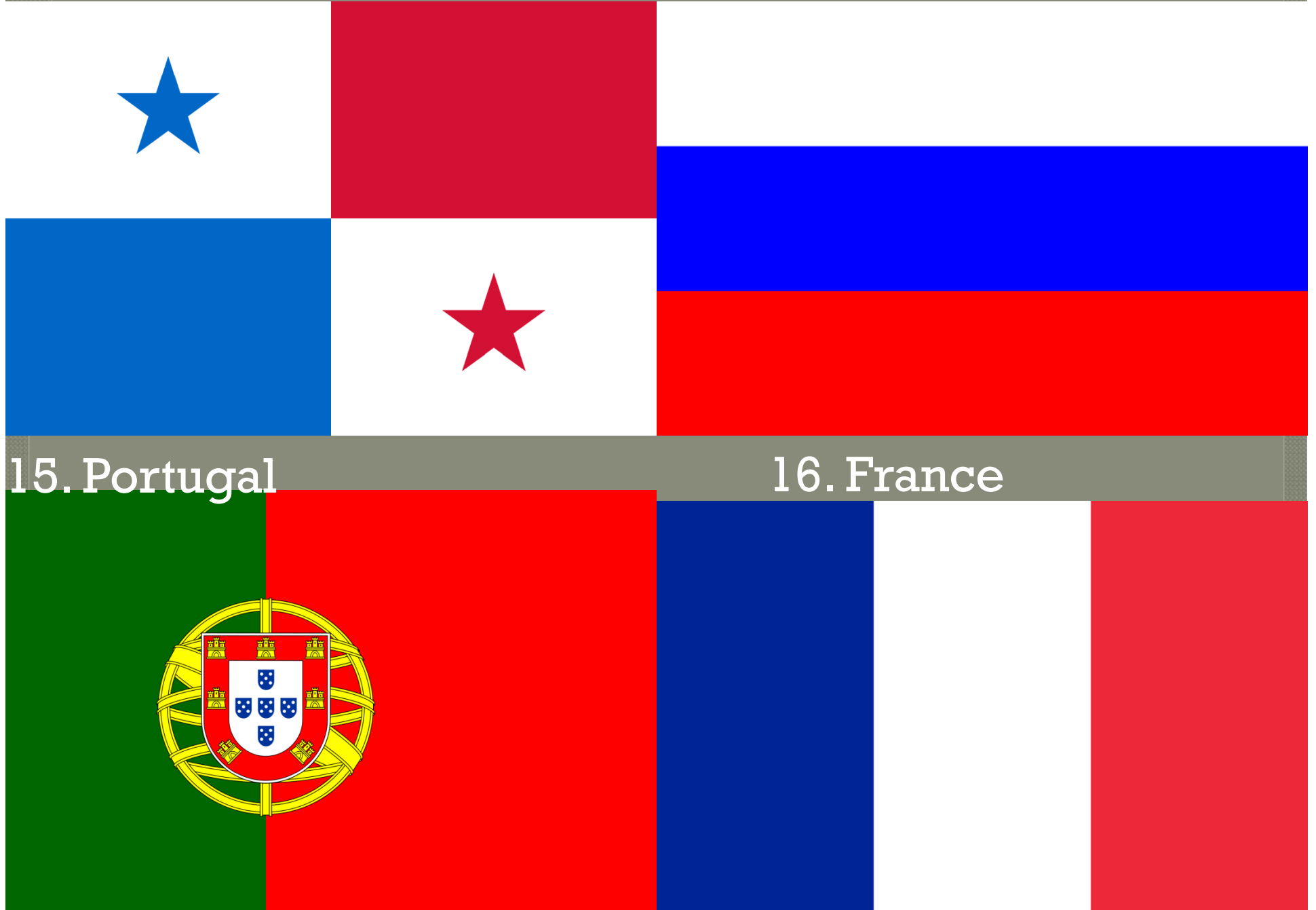
14. Russia



15. Portugal



16. France





17. Equatorial Guinea



18. Gabon

19. Republic of Congo

20. Dem. Rep. of Congo

# Summary

---

- If you see a questionable vessel, what types of information should you record?
- Do you need to complete the Vessel Sighting form for every trip?