

# VESSEL INFORMATION

# Objectives

- List the 3 types of information gathered on the Vessel Information form
- Demonstrate ability to complete the Vessel Information form

# Vessel Information

- ⦿ 1 form for each trip
- ⦿ Form in Observer Logbook
- ⦿ Sections:
  - Vessel characteristics
  - Electronics
  - Refrigeration / capacity
  - Gear specific
- ⦿ Information from license & captain

## Vessel Information

### General Vessel Characteristics

Vessel name	Country Registration No.	Flag	Home port (city, country)	
Previous vessel names	Previous flag		Length overall (LOA; m)	
			Draft (m)	Beam (m)
IMO No.	Int'l radio call sign (IRCS)		Hull material (circle): Wood / Steel / Fiberglass / Other _____	
MMSI No.	Global Registry ID:			
Permit/license No.	Permit expiration (dd-mm-ww):		Tonnage: GT / NT / GRT / NRT	
Owner Name/address	Permit holder name/address		Year built	
			No. propellers:	No. blades:
			Propeller pitch:	Diameter (m):
			Ducted propeller?	Y / N
			Bow thruster present?	Y / N
	Manufacturer	Model		
Engine (main)			Kw:	RPM:
Engine (auxiliary)			Kw:	RPM:
Generator			Power (Kw)	
Transmission (gear box)			Ratio	
Winches (on deck)			Type: Electric / Hydraulic / Other _____	
	How many?	Max hoisting weight		
Other:				
Other:				
Water capacity (m3):		Fuel capacity:	m3 / tonnes	Fuel consumptions (tonnes/day):

### Electronics

	Present?	Usage	Manufacturer	Model	Additional Information
GPS	Y / N				Accuracy (m)
VMS	Y / N				GPS: Internal / external
Radar	Y / N				KHz:
Sonar	Y / N				KHz:

## Vessel Information

### General Vessel Characteristics

Vessel name	Country Registration No.	Flag	Home port (city, country)	
Previous vessel names	Previous flag		Length overall (LOA; m)	
			Draft (m)      Beam (m)	
IMO No.	Int'l radio call sign (IRCS)		Hull material (circle): Wood / Steel / Fiberglass / Other _____	
MMSI No.	Global Registry ID:			
Permit/license No.	Permit expiration (dd-mm-yy):		Tonnage:                      GT / NT / GRT / NRT	
Owner Name/address	Permit holder name/address		Year built	
			No. propellers:                      No. blades:	
			Propeller pitch:                      Diameter (m):	
			Ducted propeller?	Y / N
			Bow thruster present?	Y / N

	Manufacturer	Model		
Engine (main)			Kw:	RPM:
Engine (auxiliary)			Kw:	RPM:
Generator			Power (Kw)	
Transmission (gear box)			Ratio	
Winches (on deck)			Type: Electric / Hydraulic / Other _____	
	How many?	Max hoisting weight		
Other:				
Other:				
Water capacity (m3):		Fuel capacity:	m3 / tonnes	Fuel consumptions (tonnes/day):

### Electronics

	Present?	Usage	Manufacturer	Model	Additional Information
GPS	Y / N				Accuracy (m)
VMS	Y / N				GPS: Internal / external
Radar	Y / N				KHz:
Sonar	Y / N				KHz:

Other:	How many?	Max hoisting weight	
Other:			
Water capacity (m <sup>3</sup> ):	Fuel capacity:	m <sup>3</sup> / tonnes	Fuel consumption (tonnes/day):

## Electronics

	Present?	Usage	Manufacturer	Model	Additional Information
GPS	Y / N				Accuracy (m)
VMS	Y / N				GPS: Internal / external
Radar	Y / N				KHz:
Sonar	Y / N				KHz:
Sonar	Y / N				KHz:
ADCP (current profiler)	Y / N				KHz:
Radio beacon direction finder	Y / N				
Radio buoys / beacons	Y / N				How many? Frequency:
GPS buoys	Y / N				How many?
SST gauge	Y / N				
XBT (Bathythermograph)	Y / N				
Other:	Y / N				
Other:	Y / N				
Other:	Y / N				
Other:	Y / N				

## Usage Codes

- |   |                            |
|---|----------------------------|
| 1 Used continuously during fishing          | 5 Rarely used              |
| 2 Used often during fishing                 | 6 Used only during transit |
| 3 Used sometimes during fishing             | 7 No longer used           |
| 4 Broken during this trip but used normally | 8 Unknown                  |

# Electronics - GPS



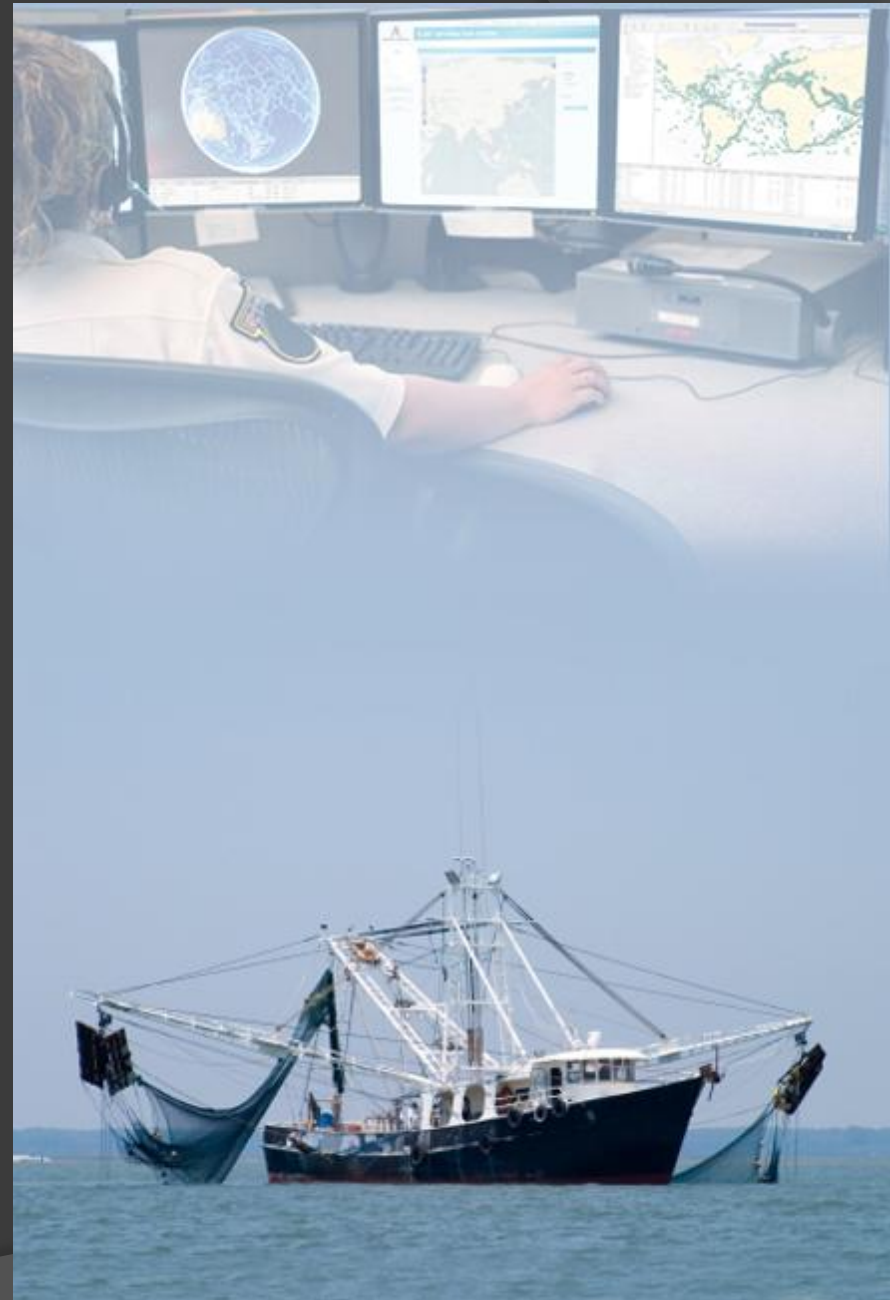
<http://www.nauticexpo.com>



# Electronics - VMS



<http://www.nauticexpo.com>



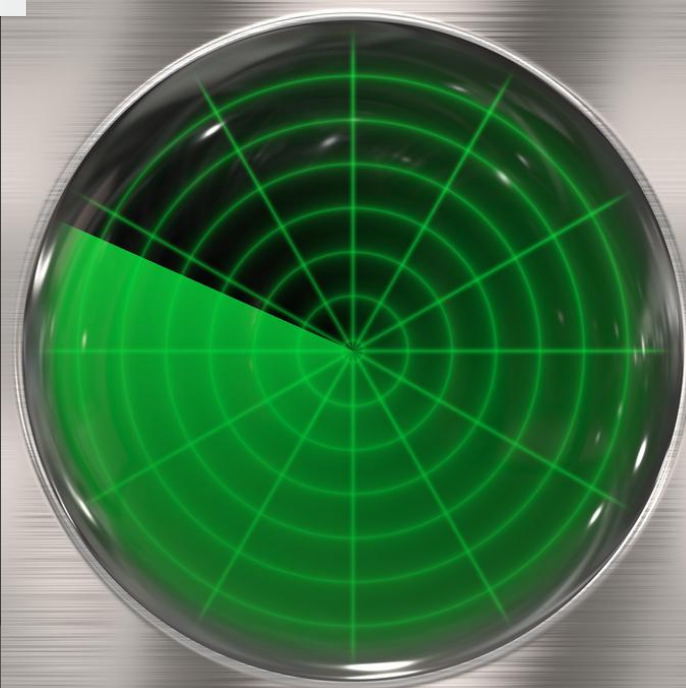
VMS Presentation – Absolute Software



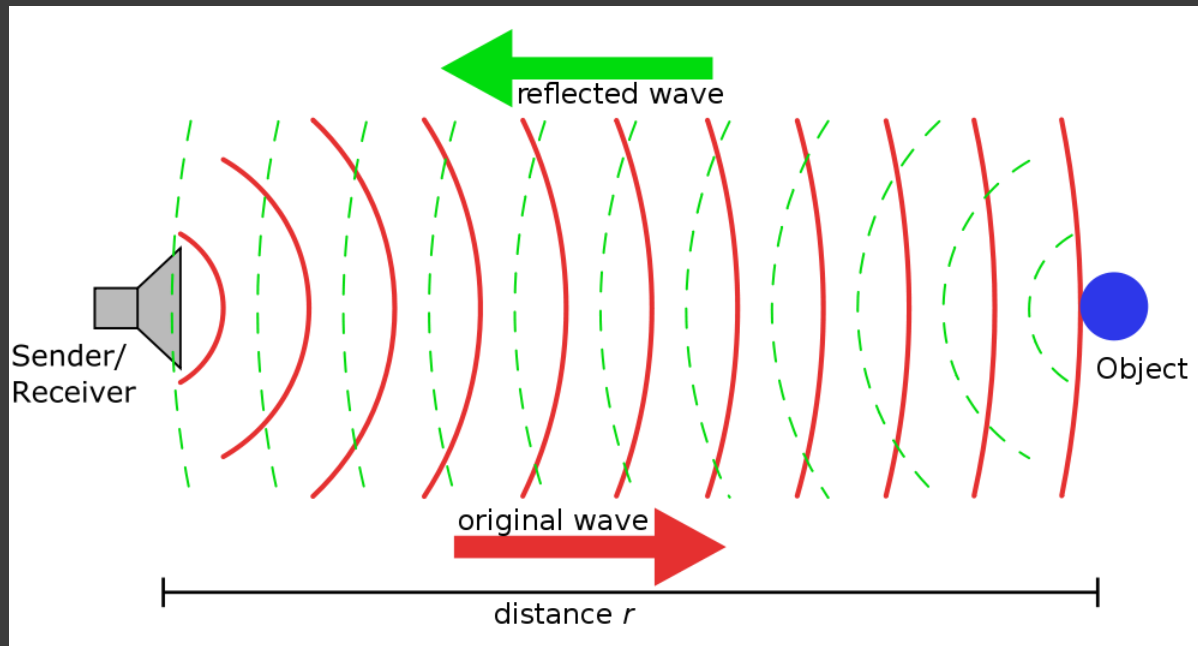
# Electronics - Radar



<http://www.radartutorial.eu/>



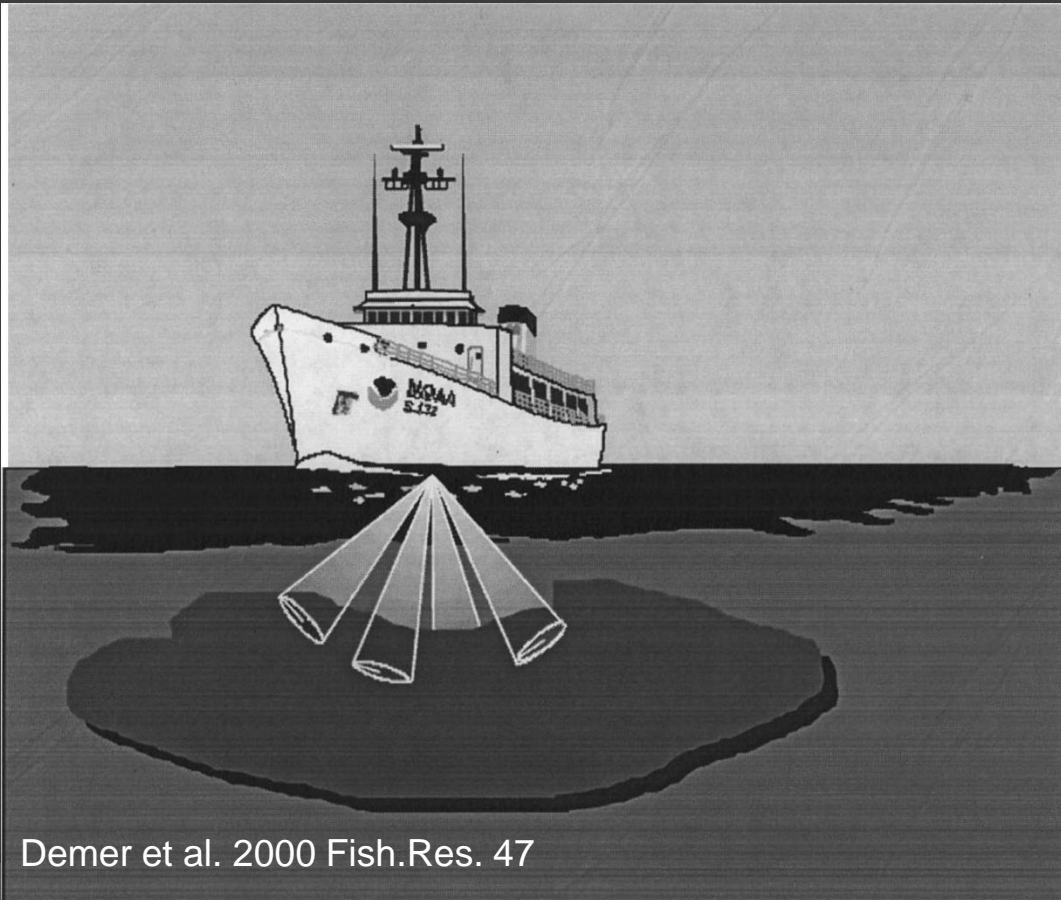
# Electronics - Sonar



Images from SONAR: <http://en.wikipedia.org/>

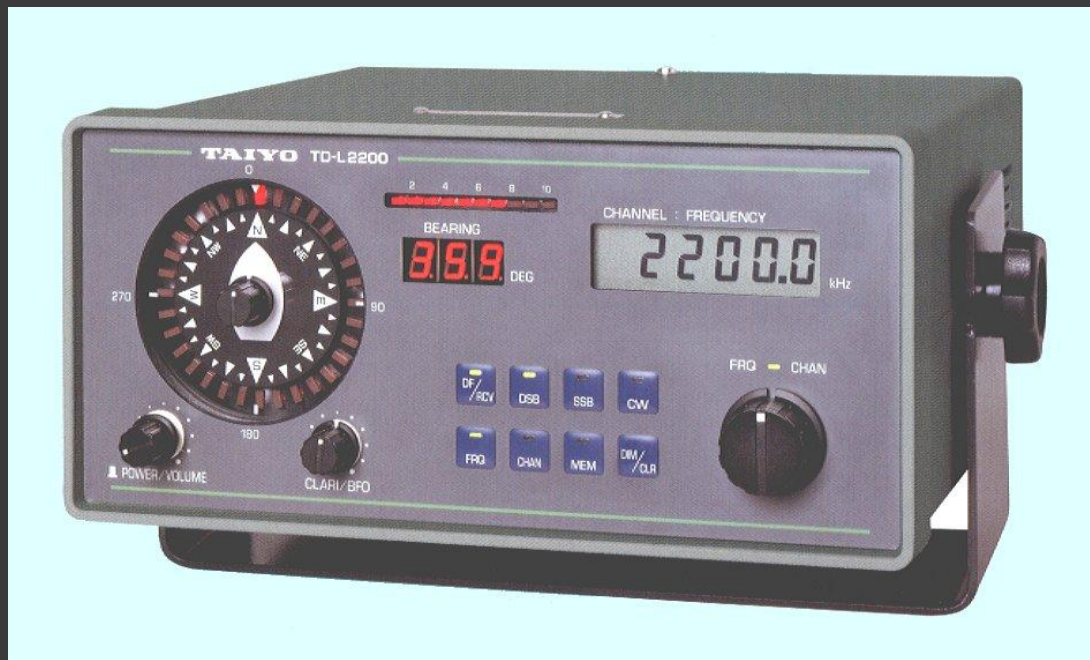
# Electronics - ADCP

- Acoustic Doppler Current Profiler



<http://www.rdinstruments.com/mariner.aspx>

# Electronics – Radio Beacon Direction Finder & Radio Beacons/Buoys



<http://www.commercial-fishing.net>



# Electronics – GPS Buoys



# Electronics – SST gauge



<b>Communications</b>	Satellite	Y / N	Phone No:	Provider:		
	Fax	Y / N	Fax No:	Email	Y / N	Email:
	VHF	Y / N	#:	GMDSS	Y / N	
	SSB	Y / N	#:	AIS	Y / N	Class (A/B):
<b>Other Information</b>	Weather fax		Y / N	Other:		Y / N
	Other:		Y / N	Other:		Y / N

### Refrigeration

Blast freeze?	Y / N	Capacity (t/day):	Gas:	RSW?	Y / N	Capacity:
Freezer hold?	Y / N	Capacity (m3):	Gas:	Brine?	Y / N	Capacity:
Ice?	Y / N	Capacity:	Other:	Y / N	Capacity:	

### Waste Mangement (check all that apply & note types of materials for each)

Incinerator:	Dispose on shore:
Burned on board:	Throw overboard:

### Purse Seine

	Present?	Usage	Comments			
Ring stripper?	Y / N					
Speedboats	Y / N	How many?	Engine power (hp):			
Raft	Y / N					
Bird radar	Y / N					
Net mensuration	Y / N		Make / Model			
Diver / dive equipment	Y / N		Used to rescue dolphins?			
High-intensity floodlight	Y / N		Operable? Y / N			
		Manufacturer	Model	Registration	Range (km)	
Spotter aircraft: plane / helicopter / none						

### Trawl

Sensors	Present?	Usage	Manufacturer	Model	Comments
Bottom contact	Y / N				

<b>Communications</b>	Satellite	Y / N	Phone No:	Provider:		
	Fax	Y / N	Fax No:	Email	Y / N	Email:
	VHF	Y / N	#:	GMDSS	Y / N	
	SSB	Y / N	#:	AIS	Y / N	Class (A/B):

<b>Other Information</b>	Weather fax	Y / N	Other:	Y / N	
	Other:	Y / N	Other:	Y / N	

### Refrigeration

Blast freeze?	Y / N	Capacity (t/day):	Gas:	RSW?	Y / N	Capacity:
Freezer hold?	Y / N	Capacity (m3):	Gas:	Brine?	Y / N	Capacity:
Ice?	Y / N	Capacity:	Other:	Y / N	Capacity:	

### Waste Management (check all that apply & note types of materials for each)

Incinerator:	Dispose on shore:
Burned on board:	Throw overboard:

### Purse Seine

	Present?	Usage	Comments			
Ring stripper?	Y / N					
Speedboats	Y / N	How many? Engine power (hp):				
Raft	Y / N					
Bird radar	Y / N					
Net mensuration	Y / N	Make / Model				
Diver / dive equipment	Y / N	Used to rescue dolphins?				
High-intensity floodlight	Y / N	Operable? Y / N				
		Manufacturer	Model	Registration	Range (km)	
Spotter aircraft: plane / helicopter / none						

### Trawl

Sensors	Present?	Usage	Manufacturer	Model	Comments
Bottom contact	Y / N				



<b>Communications</b>	Satellite	Y / N	Phone No:	Provider:		
	Fax	Y / N	Fax No:	Email	Y / N	Email:
	VHF	Y / N	#:	GMDSS	Y / N	
	SSB	Y / N	#:	AIS	Y / N	Class (A/B):
<b>Other Information</b>	Weather fax		Y / N	Other:		Y / N
	Other:		Y / N	Other:		Y / N

### Refrigeration

Blast freeze?	Y / N	Capacity (t/day):	Gas:	RSW?	Y / N	Capacity:
Freezer hold?	Y / N	Capacity (m3):	Gas:	Brine?	Y / N	Capacity:
Ice?	Y / N	Capacity:	Other:	Y / N	Capacity:	

### Waste Mangement (check all that apply & note types of materials for each)

Incinerator:	Dispose on shore:
Burned on board:	Throw overboard:

### Purse Seine

	Present?	Usage	Comments			
Ring stripper?	Y / N					
Speedboats	Y / N	How many?	Engine power (hp):			
Raft	Y / N					
Bird radar	Y / N					
Net mensuration	Y / N		Make / Model			
Diver / dive equipment	Y / N		Used to rescue dolphins?			
High-intensity floodlight	Y / N		Operable? Y / N			
		Manufacturer	Model	Registration	Range (km)	
Spotter aircraft: plane / helicopter / none						

### Trawl

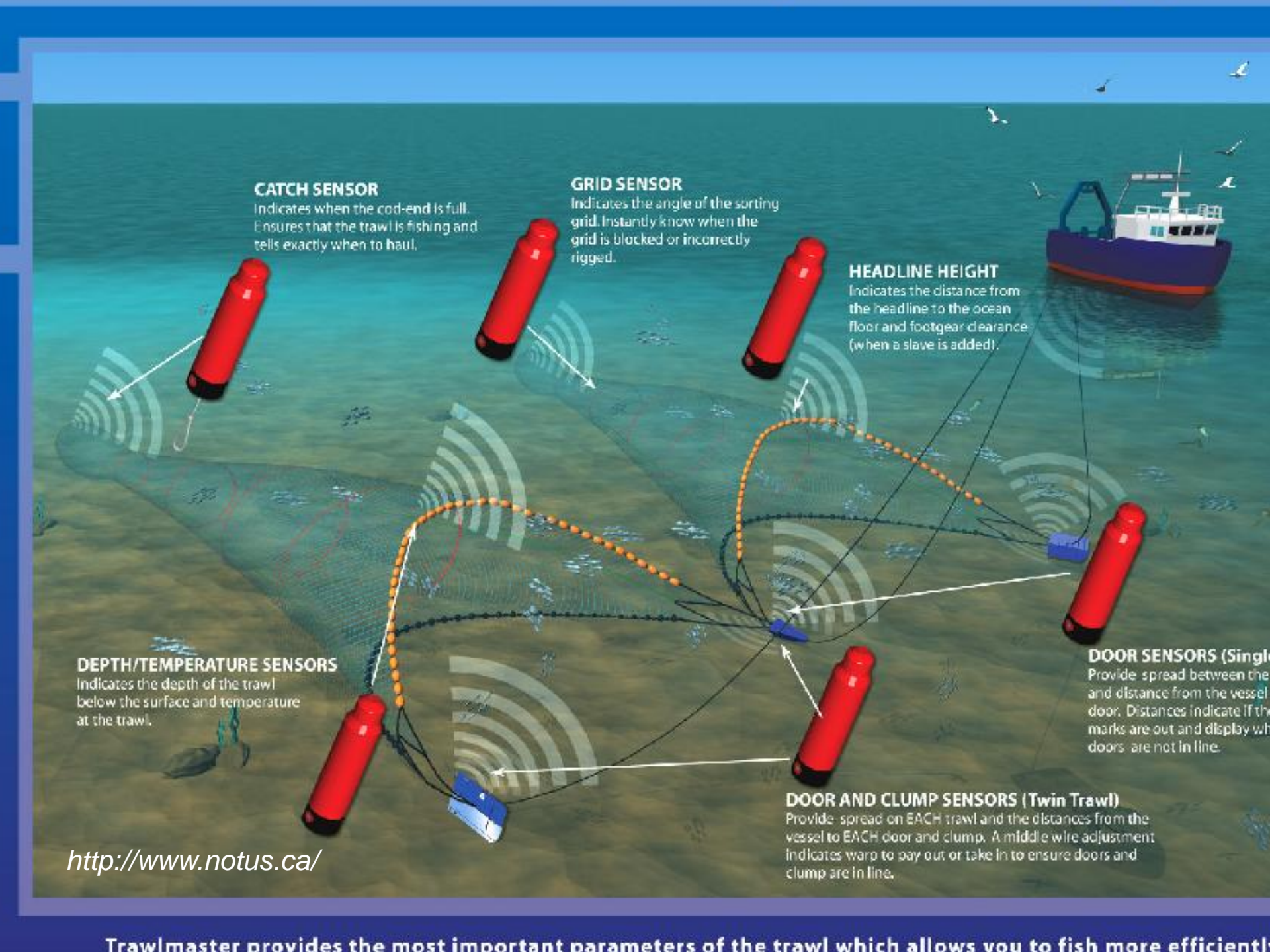
Sensors	Present?	Usage	Manufacturer	Model	Comments
Bottom contact	Y / N				

Bird radar	Y / N				
Net mensuration	Y / N		Make / Model		
Diver / dive equipment	Y / N		Used to rescue dolphins?		
High-intensity floodlight	Y / N		Operable? Y / N		
		<b>Manufacturer</b>	<b>Model</b>	<b>Registration</b>	<b>Range (km)</b>
Spotter aircraft: plane / helicopter / none					

## Trawl

Sensors	Present?	Usage	Manufacturer	Model	Comments
Bottom contact	Y / N				
Catch	Y / N				
Net sensors	Y / N				Wired / wireless
Hydrophone	Y / N				Hull mounted / towed
Other:	Y / N				
Other:	Y / N				
Other:	Y / N				

Comments:

A diagram showing a blue and white fishing vessel on the right, connected by a headline to a large green trawl net on the ocean floor. Several red cylindrical sensors are attached to the headline and trawl. Each sensor has a white arrow pointing to a text box describing its function. The sensors are: 1. Catch Sensor at the cod-end. 2. Grid Sensor along the headline. 3. Headline Height sensor along the headline. 4. Depth/Temperature Sensors at the trawl mouth. 5. Door and Clump Sensors (Twin Trawl) at the trawl doors. 6. Door Sensors (Single) at the trawl doors. The ocean floor is depicted with green and brown textures, and several birds are flying in the sky above the vessel.

### CATCH SENSOR

Indicates when the cod-end is full. Ensures that the trawl is fishing and tells exactly when to haul.

### GRID SENSOR

Indicates the angle of the sorting grid. Instantly know when the grid is blocked or incorrectly rigged.

### HEADLINE HEIGHT

Indicates the distance from the headline to the ocean floor and footgear clearance (when a slave is added).

### DEPTH/TEMPERATURE SENSORS

Indicates the depth of the trawl below the surface and temperature at the trawl.

### DOOR SENSORS (Single)

Provide spread between the doors and distance from the vessel door. Distances indicate if the marks are out and display when doors are not in line.

### DOOR AND CLUMP SENSORS (Twin Trawl)

Provide spread on EACH trawl and the distances from the vessel to EACH door and clump. A middle wire adjustment indicates warp to pay out or take in to ensure doors and clump are in line.

<http://www.notus.ca/>

Trawlmaster provides the most important parameters of the trawl which allows you to fish more efficiently.

# Activity

- Complete the blank Vessel Information form using information on the handout
- 10 minutes

## Vessel Information

### General Vessel Characteristics

Vessel name <b>Avatar 27</b>	Country Registration No. <b>A777 54X39</b>	Flag <b>LBR</b>	Home port (city, country) <b>Monrovia, LBR</b>
Previous vessel names	Previous flag	Length overall (LOA; m) <b>32.0</b>	
		Draft (m) <b>10.0</b>	Beam (m) <b>3.0</b>
IMO No.	Int'l radio call sign (IRCS) <b>5LC-323</b>	Hull material (circle): Wood <input type="radio"/> <b>Steel</b> <input type="radio"/> Fiberglass / Other _____	
MMSI No.	Global Registry ID:		
Permit/license No. <b>Z23-G45</b>	Permit expiration (dd-mm-yy): <b>31-12-11</b>	Tonnage: <b>125</b>	GT / NT <input type="radio"/> <b>GRT</b> <input type="radio"/> NRT
Owner Name/address <b>Nan Smiley Monrovia, LBR</b>	Permit holder name/address	Year built <b>1985</b>	
		No. propellers: <b>1</b>	No. blades: <b>3</b>
		Propeller pitch:	Diameter (m):
		Ducted propeller? <input type="radio"/> Y <input checked="" type="radio"/> <b>N</b>	
		Bow thruster present? <input type="radio"/> Y <input checked="" type="radio"/> <b>N</b>	

	Manufacturer	Model		
Engine (main)	<b>Blaster</b>	<b>B888</b>	Kw: <b>1000</b>	RPM: <b>2000</b>
Engine (auxiliary)			Kw:	RPM:
Generator	<b>Onan</b>		Power (Kw) <b>10</b>	
Transmission (gear box)	<b>Hale</b>	<b>REB1018-012</b>	Ratio <b>Unknown</b>	
Winches (on deck)	<b>Pullmaster</b>	<b>H12</b>	Type: Electric / <input checked="" type="radio"/> <b>Hydraulic</b> <input type="radio"/> Other _____	
	How many? <b>2</b>	Max hoisting weight <b>12,000</b>		
Other:				
Other:				

Water capacity (m3): <b>3.785</b>	Fuel capacity: <b>37.85</b> <input checked="" type="radio"/> <b>m3</b> <input type="radio"/> tonnes	Fuel consumptions (tonnes/day): <b>1.5 m3/day</b>
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### Electronics

	Present?	Usage	Manufacturer	Model	Additional Information
GPS	<input checked="" type="radio"/> Y <input type="radio"/> N				Accuracy (m)
VMS	<input checked="" type="radio"/> Y <input type="radio"/> N				GPS: Internal / external
Radar	<input checked="" type="radio"/> Y <input type="radio"/> N				KHz:
Sonar	<input checked="" type="radio"/> Y <input type="radio"/> N				KHz:
	<input checked="" type="radio"/> Y <input type="radio"/> N				KHz:

Engine (auxiliary)			Kw:	RPM:
Generator			Power (Kw)	
Transmission (gear box)			Ratio	
Winches (on deck)			Type: Electric / Hydraulic / Other _____	
	How many?	Max hoisting weight		
Other:				
Other:				

Water capacity (m3): \_\_\_\_\_ Fuel capacity: \_\_\_\_\_ m3 / tonnes Fuel consumptions (tonnes/day): \_\_\_\_\_

### Electronics

	Present?	Usage	Manufacturer	Model	Additional Information
GPS	Y / N	1	Samyung	SGP-500	Accuracy (m) 5
VMS	Y / N				GPS: Internal / external
Radar	Y / N	1	Furuno	1832	KHz: 4 Kw
Sonar	Y / N	1	Simrad	ES60 single	KHz: 38
Sonar	Y / N				KHz:
ADCP (current profiler)	Y / N				KHz:
Radio beacon direction finder	Y / N				
Radio buoys / beacons	Y / N				How many? Frequency:
GPS buoys	Y / N				How many?
SST gauge	Y / N				
XBT (Bathymograph)	Y / N				
Other:	Y / N				
Other:	Y / N				
Other:	Y / N				
Other:	Y / N				

**Usage Codes**

1 Used continuously during fishing	5 Rarely used
2 Used often during fishing	6 Used only during transit
3 Used sometimes during fishing	7 No longer used
4 Broken during this trip but used normally	8 Unknown

<b>Communications</b>	Satellite	Y / <input checked="" type="radio"/> N	Phone No:	Provider:	
	Fax	Y / <input checked="" type="radio"/> N	Fax No:	Email	Y / <input checked="" type="radio"/> N Email:
	VHF	<input checked="" type="radio"/> Y / N	#. 3	GMDSS	Y / <input checked="" type="radio"/> N
	SSB	<input checked="" type="radio"/> Y / N	#. 1	AIS	Y / <input checked="" type="radio"/> N Class (A/B):
<b>Other Information</b>	Weather fax	Y / <input checked="" type="radio"/> N	Other:	Y / N	
	Other:	Y / N	Other:	Y / N	

### Refrigeration

Blast freeze?	<input checked="" type="radio"/> Y / N	Capacity (t/day): 10	Gas:	RSW?	Y / <input checked="" type="radio"/> N	Capacity:
Freezer hold?	<input checked="" type="radio"/> Y / N	Capacity (m3): 900	Gas:	Brine?	Y / <input checked="" type="radio"/> N	Capacity:
Ice?	Y / <input checked="" type="radio"/> N	Capacity:	Other:	Y / N	Capacity:	

### Waste Mangement (check all that apply & note types of materials for each)

Incinerator:		Dispose on shore:
Burned on board:	<input checked="" type="checkbox"/> X	Throw overboard:

### Purse Seine

	Present?	Usage	Comments		
Ring stripper?	Y / N				
Speedboats	Y / N		How many?	Engine power (hp):	
Raft	Y / N				
Bird radar	Y / N				
Net mensuration	Y / N		Make / Model		
Diver / dive equipment	Y / N		Used to rescue dolphins?		
High-intensity floodlight	Y / N		Operable? Y / N		
		Manufacturer	Model	Registration	Range (km)
Spotter aircraft: plane / helicopter / none					

### Trawl

	Present?	Usage	Comments	
Ring stripper?	Y / N			
Speedboats	Y / N	How many?      Engine power (hp):		
Raft	Y / N			
Bird radar	Y / N			
Net mensuration	Y / N	Make / Model		
Diver / dive equipment	Y / N	Used to rescue dolphins?		
High-intensity floodlight	Y / N	Operable? Y / N		
		Manufacturer	Model	Registration      Range (km)
Spotter aircraft: plane / helicopter / none				

## Trawl

Sensors	Present?	Usage	Manufacturer	Model	Comments
Bottom contact	Y / <b>N</b>				
Catch	Y / <b>N</b>				
Net sensors	Y / <b>N</b>				Wired / wireless
Hydrophone	Y / <b>N</b>				Hull mounted / towed
Other:	Y / N				
Other:	Y / N				
Other:	Y / N				

Comments:



# Summary

- How often should you complete the Vessel information form?
- What are 3 types of information collected on this form?
- Where do you get the information for this form?