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)

		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	
		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:

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

Electronics - GPS

http://www.nauticexpo.com

Electronics - VMS

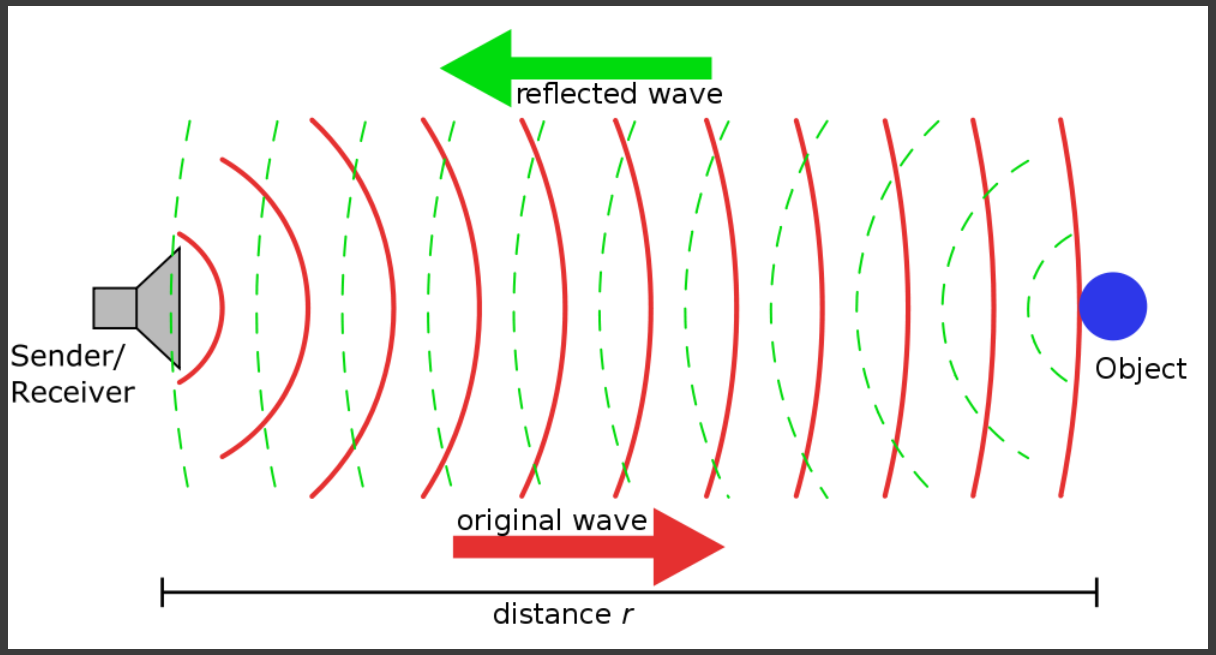
http://www.nauticexpo.com

VMS Presentation – Absolute Software

Electronics - Radar

http://www.radartutorial.eu/

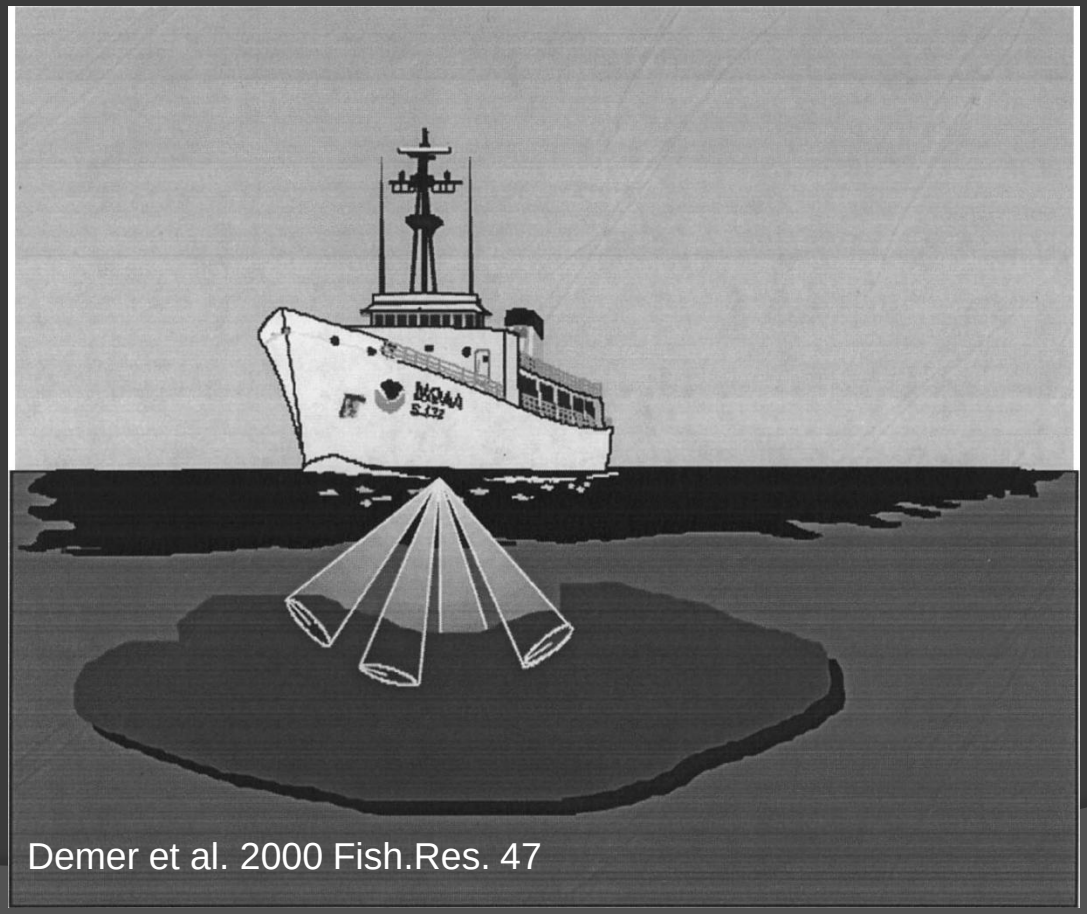
Electronics - Sonar



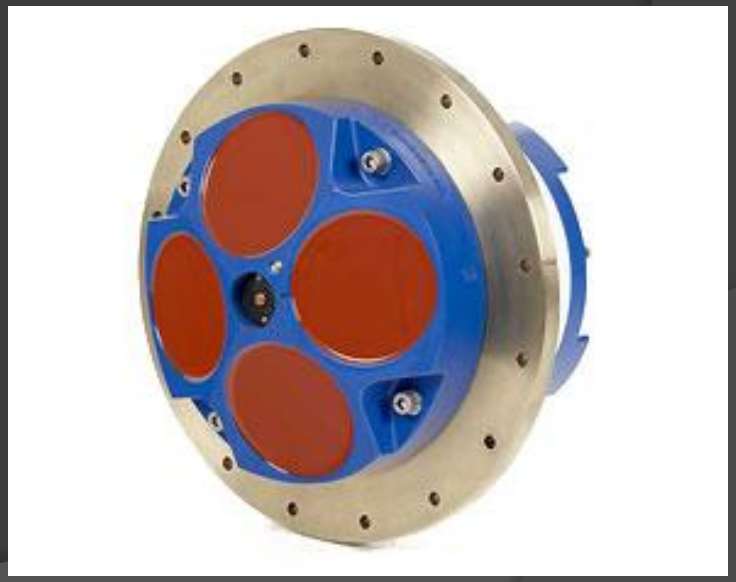
Images from SONAR: http://en.wikipedia.org/

Electronics - ADCP

- Acoustic Doppler Current Profiler



Demer et al. 2000 Fish.Res. 47

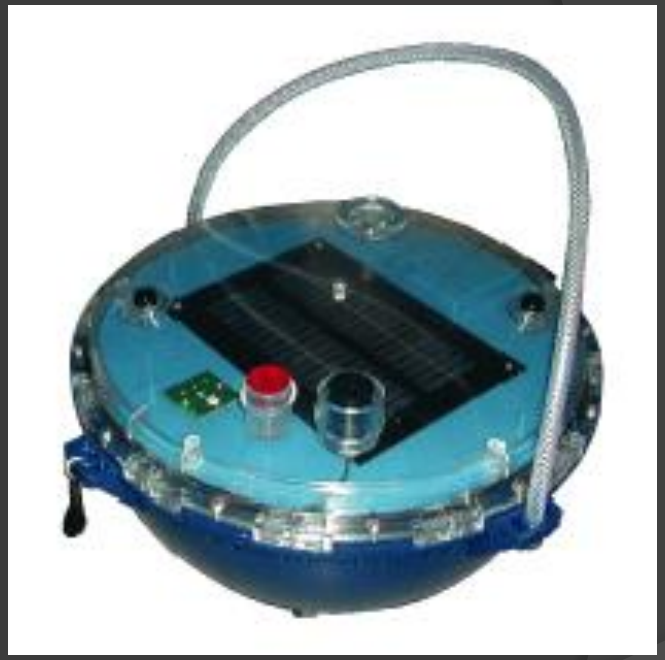


http://www.rdinstruments.com/mariner.aspx

Electronics – Radio Beacon Direction Finder & Radio Beacons/Buoys

http://www.commercial-fishing.net

Electronics – GPS Buoys



Electronics – SST gauge

http://www.si-tex.com

Communications							
	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):	

Other Information							
	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				

Communications							
	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):	

Other Information							
	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				

Communications							
	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):	

Other Information							
	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				

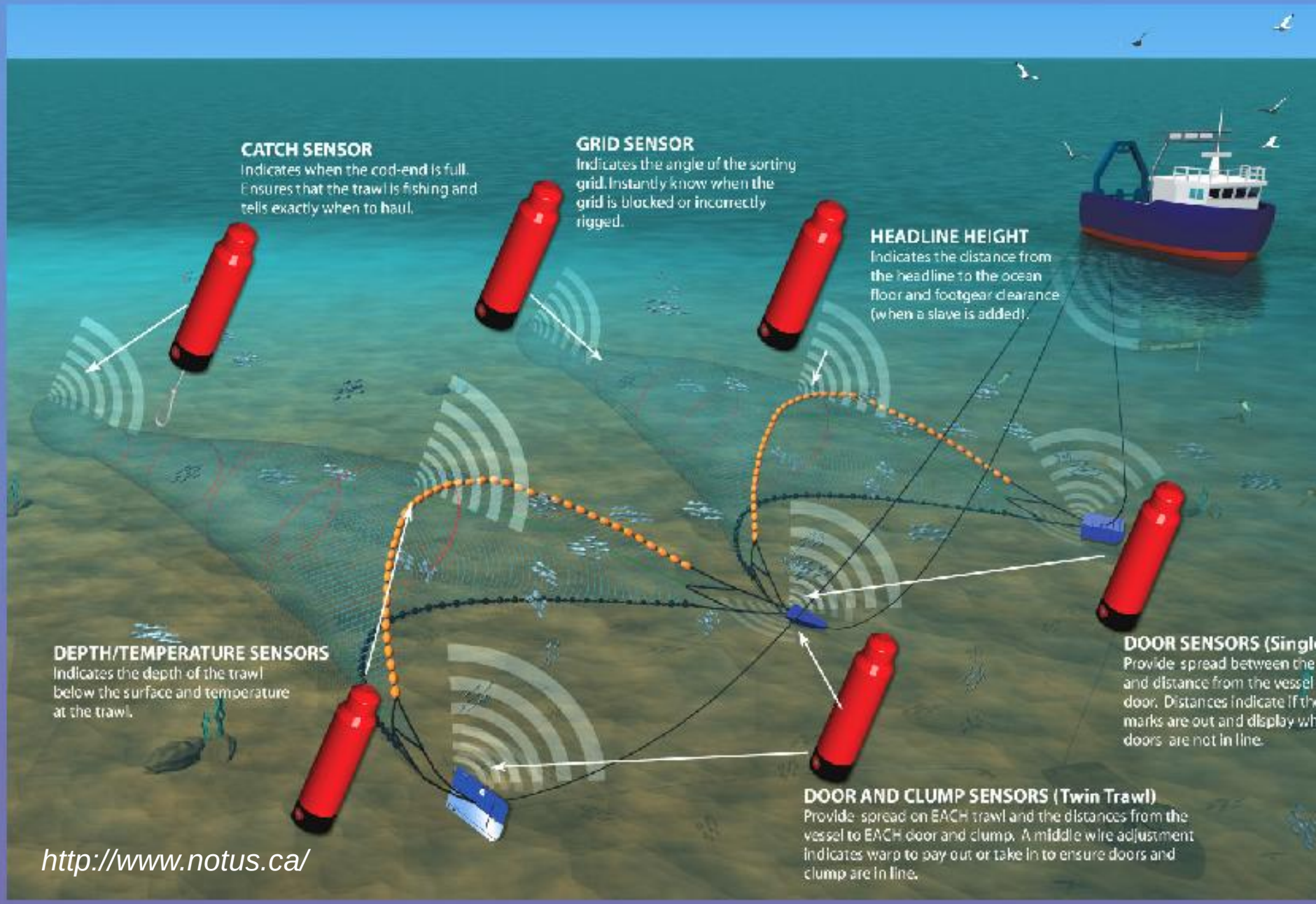
Bird radar	Y / N		
Net mensuration	Y / N		Make / Model
Diver / dive equipment	Y / N		Used to rescue dolphins?
High-intensity floodlight	Y / N		Operable? Y / N

	Manufacturer	Model	Registration	Range (km)
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:



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

Activity

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

Vessel Information

General Vessel Characteristics

Vessel name	Country Registration No.	Flag	Home port (city, country)
Avatar 27	A777 54X39	LBR	Monrovia, LBR

Previous vessel names	Previous flag	Length overall (LOA; m)	32.0
		Draft (m) 10.0	Beam (m) 3.0

IMO No.	Int'l radio call sign (IRCS) 5LC-323	Hull material (circle): Wood / Steel / Fiberglass / Other _____
MMSI No.	Global Registry ID:	
Permit/license No. Z23-G45	Permit expiration (dd-mm-yy): 31-12-11	Tonnage: 125 GT / NT / GRT / NRT
Owner Name/address Nan Smiley Monrovia, LBR	Permit holder name/address	Year built 1985
		No. propellers: 1 No. blades: 3
		Propeller pitch: Diameter (m):
		Ducted propeller? Y / N
		Bow thruster present? Y / N

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

Water capacity (m3): 3.785	Fuel capacity: 37.85 m3 / tonnes	Fuel consumptions (tonnes/day): 1.5 m3/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:
	Y / 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 (Bathythermograph)	Y / (N)				
Other:	Y / N				
Other:	Y / N				
Other:	Y / N				
Other:	Y / N				

Usage Codes

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

Communications	Satellite	Y / (N)	Phone No:		Provider:			
	Fax	Y / (N)	Fax No:		Email	Y / (N)	Email:	
	VHF	(Y) / N	#: 3		GMDSS	Y / (N)		
	SSB	(Y) / N	#: 1		AIS	Y / (N)	Class (A/B):	

Other Information		Weather fax	Y / (N)	Other:		Y / N		
	Other:		Y / N	Other:		Y / N		

Refrigeration

Blast freeze?	(Y) / N	Capacity (t/day): 10	Gas:	RSW?	Y / (N)	Capacity:	
Freezer hold?	(Y) / N	Capacity (m3): 900	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:	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 / (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:

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?