



**NOAA**  
**FISHERIES**

Office of Law  
Enforcement

# Information Analysis

Port State Measures Training Program  
PSMA Annex E – Element 6

Lima, Peru  
January 27, 2020

# What Information do we need?

- Information about the vessel, its flag state and registration numbers, the licenses or permits it holds to fish, the type of gear it is permitted to use and a recent photograph.
- Information about the owner, crew, their nationality, and language skills.
- Data from the vessel GPS, computer, and other electronics.
- Details of any catch on board, and whether that catch was caught by that vessel or another vessel.
- Logbook information about the boat and its fishing activity, including when and where catch onboard was taken.



Analyze all registry identification and identify accurately the flag state and port of registry.



## Information to be provided in advance by vessels requesting port entry

# Advanced Request for Port Entry

## PSMA Annex A information

<b>1. Intended port of call</b>										
<b>2. Port State</b>										
<b>3. Estimated date and time of arrival</b>										
<b>4. Purpose(s)</b>										
<b>5. Port and date of last port call</b>										
<b>6. Name of the vessel</b>										
<b>7. Flag State</b>										
<b>8. Type of vessel</b>										
<b>9. International Radio Call Sign</b>										
<b>10. Vessel contact information</b>										
<b>11. Vessel owner(s)</b>										
<b>12. Certificate of registry ID</b>										
<b>13. IMO ship ID, if available</b>										
<b>14. External ID, if available</b>										
<b>15. RFMO ID, if applicable</b>										
<b>16. VMS</b>		No		Yes: National		Yes: RFMO(s)		Type:		
<b>17. Vessel dimensions</b>			Length		Beam		Draft			
<b>18. Vessel master name and nationality</b>										
<b>19. Relevant fishing authorization(s)</b>										
<i>Identifier</i>		<i>Issued by</i>		<i>Validity</i>		<i>Fishing area(s)</i>		<i>Species</i>		<i>Gear</i>
<b>20. Relevant transshipment authorization(s)</b>										
<i>Identifier</i>		<i>Issued by</i>		<i>Validity</i>						
<i>Identifier</i>		<i>Issued by</i>		<i>Validity</i>						
<b>21. Transshipment information concerning donor vessels</b>										
<i>Date</i>	<i>Location</i>	<i>Name</i>	<i>Flag State</i>	<i>ID number</i>	<i>Species</i>	<i>Product form</i>	<i>Catch area</i>	<i>Quantity</i>		
<b>22. Total catch onboard</b>								<b>23. Catch to be offloaded</b>		
<i>Species</i>		<i>Product form</i>		<i>Catch area</i>		<i>Quantity</i>		<i>Quantity</i>		



# Upon arrival in Port



Vessel Markings:



Vessels can be identified by the name, registration numbers, radio call sign, and port of registry. All this information will be displayed on the stern or side of the vessel, as well as on the upper deck so it can be seen from the air.

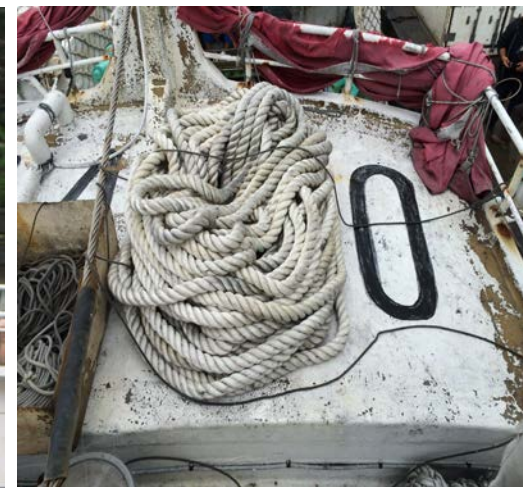
Identifying information may also be found on gear and equipment, including:

Longline Buoys

Floats

Fish Aggregated Devices (FADS)





It is common for IUU vessels to cover up their vessel registration numbers when fishing, using tarpaulins, fishing gear and fenders. Often you can see names that have been painted over.

Official markings must be permanently affixed using block letters of specific size dependent on length of the vessel.

# Review the Vessel Particulars

- Name of vessel, Flag,
- International Radio Call Signal (IRSC),
- Port of Registration,
- Certificate of Registry,
- Engine,
- LOA, Breadth,
- Draft, Gross Tonnage, Net Tonnage,
- Name of Owner, Name of Operator, Number of Crew,
- IMO Number

Ensure the information matches the vessel and associated permits





# Identify accurately the vessel owner, officers, crew and vessel agent

- Present your authority to the Vessel Master
- Be cognizant of language barriers – ensure that you have a shared language, translator or use language cards that explains who you are, what your going to do.
- Identify whether member of the crew speaks your language or a shared second language.
- You must work hard to communicate effectively with the master or senior crew members of the vessel. Be professional and courteous.
- Do not interfere with the master's ability to communicate with the authorities of the flag state or his company, local agent, or legal advisor.

# Vessel Ownership

Document all indications of ownership and ownership interests:

- RFMO records,
- Vessel documents,
- Fishing / transshipment authorizations,
- Any corporate documents,
- Information on joint ventures and other companies with an interest in the vessel or licenses and permits.

Verify that ownership information is consistent on all documents.

# Documents to require of Vessel Master



- Crew List and passports
- Masters Name and address
- Fishing Master's name and address
- Names and nationalities of the crew
- Vessel Agent name and contact Information

# Analyze logbook data and verify positions against electronic data



- Does geographic and positional data from the vessels VMS, Plotter and Logbook match up?
- Is this consistent with vessel officers statements and Fishery Observer data (if available)?













# Other Documents of Potential Interest

- Captain's Notebook
- Fish Master's Journal
- FAD Log
- Engine Room Log
- Freezer Log
- Bunker Receipts
- Mate's Receipts
- Radio Log
- Crew Bonus Log
- Wastewater Log
- Radio Log
- Observer Records

# Fishery Observer Program

## Observers:

- Independent field biologists who are placed in vessels to monitor activities and collect data to support a wide range of conservation and management activities.
- Responsible for monitoring and documenting fishing activities, estimating harvested and discarded catch, and some may also identify violations of national law or RFMO Conservation and Management Measures.
- Not responsible to advise the crew of regulations or to interpret regulations or CMM's. Captain is solely responsible for ensuring vessel is in compliance.

Scientists who may perform science and/or compliance role.



# IATTC Observer Reporting

Possible non-compliance	Number of cases	Relevant Resolution
Poor sanitary conditions	3	C-12-07, Annex 3
Differences between the fish reported by the vessel and by the observer	12	C-12-07, Annex 3
Trash disposed at sea	2	C-04-05
Fuel spilled at sea	2	C-04-05
Shark fins on board	3	C-05-03






# WCPFC Fishery Observer Work Products

## Journal

- Chronological notes written during trip (daily)
- Details of activities and life on vessel
- Describes information of alleged violations in greater details than forms.

SPC/FFA regional standard

PIRFO



Observer

*Observer journal*

Observer name	Observer programme	Observer trip number	Vessel name
Port of departure	Date of departure	Port of arrival	Date of arrival

# Vessel CCTV

- If a monitoring system is in use, ask to review footage.
- Does date and time stamps and /or geographical location information displayed with video of transshipping or fishing match other logs and data?



# Check VMS Unit

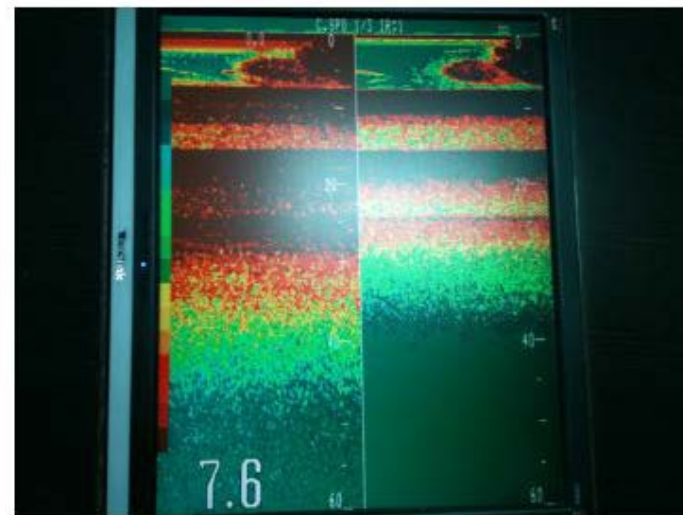


Is the power indicator light on? Is positional data visible?

# Electronic Devices

## Open Systems:

- GPS Plotter
  - Radar
  - Sounder
  - Computer
  - Communication Equipment
  - E logs
- 
- Does FAD tracking and locations align with sets in fishing log books? VMS? Plotter?
  - Use an expert if you want to use as evidence





# Evaluate and Compare Records

**INTERNATIONAL FISHING LOG**

VESEL NAME: \_\_\_\_\_ SIDE NUMBER: \_\_\_\_\_ CANNED LICENSE NUMBER: \_\_\_\_\_ NOT FISHING TODAY: GIVE REASONS AND COMPLETE STATUS CODE: \_\_\_\_\_ STATUS CODE: \_\_\_\_\_

DATE: \_\_\_\_\_ MOON POSITION (GMT): \_\_\_\_\_ MAIN SPECIES BOUGHT THIS DAY: \_\_\_\_\_ CODE: \_\_\_\_\_

LATITUDE: \_\_\_\_\_ LONGITUDE: \_\_\_\_\_ NAFO IN DIVISION: \_\_\_\_\_

POSITION AT START OF LOG: \_\_\_\_\_ CATCH BY SPECIES (REGULATIONS: ROUND WEIGHT)

NO.	TIME	DEPTH	POSITION	SPECIES	WEIGHT	NO.	TIME	DEPTH	POSITION	SPECIES	WEIGHT
1											
2											
3											
4											
5											
6											
7											

**SHIP'S DECK LOG SHEET**

OPNAV 3100/99 (Rev. 7-84) SHIP TYPE: \_\_\_\_\_ HULL NUMBER: \_\_\_\_\_

SEE BLACK INK TO FILL IN THIS LOG

USS UNDERWOOD AT/PASSAGE FROM NORFOLK, VA TO \_\_\_\_\_

POSITION ZONE TIME POSITION ZONE TIME POSITION ZONE TIME

1. \_\_\_\_\_ BY \_\_\_\_\_ 2. \_\_\_\_\_ BY \_\_\_\_\_ 3. \_\_\_\_\_ BY \_\_\_\_\_

RECORD OF ALL EVENTS OF THE DAY

2342 *08 - 04*  
*Assumed the watch. Moved portside to USS Royal (DD-183) at pier 3, both 32 Naval Station, Norfolk, Virginia, with attendant moving lines, dories, and aprons lay out far and aft. Receiving various services from the pier. Cold iron and security watches are posted. Material condition YOK is not throughout the ship. Alpha present includes various units of the U.S. Atlantic Fleet. SOPA is CONSECQUENT FROM J.R. FROST embarked on USS Romagosa (AD4).*

2345 *Security watch reports all conditions normal.*  
*Security watch reports all conditions normal.*  
*Security watch reports all conditions normal.*  
*Properly relieved by BMI W. T. Door*  
*John A. Doe*  
*JOHN A. DOE, LTJG, USNR*

2348 *08 - 08*  
*Assumed the watch. Monitor before*  
*Security watch reports all conditions normal.*  
*Security watch reports all conditions normal.*  
*Security watch reports all conditions normal.*  
*Assumed watch services. Security watches posted.*  
*Properly relieved by LT Paul T. Door*  
*Water T. Door*  
*WATER T. DOOR, BMI, USN*

2350 *08 - 12*

REPORT SYMBOL: \_\_\_\_\_ IF CLASSIFIED STAMP REVIEW/DECLASSIFICATION DATE HERE \_\_\_\_\_

Ask the master lots of questions about their trip and activities.

Where did they fish?

How many sets did they do?

Did they catch as much as they expected?

What was the weather like?

There may be substitutes for the real records, so always be on the lookout for hidden /duplicate logbooks or catch records.

Compare other records, such as FAD logs, engineering logs, captain and fish master logs/journals to official logbook records.

# Validate data against other data



Electronics – GPS, Plotters, Fish Finder – All tells a story of where the vessel has been operating and should validate each other.

163 36.00 W  
163 34.00 W

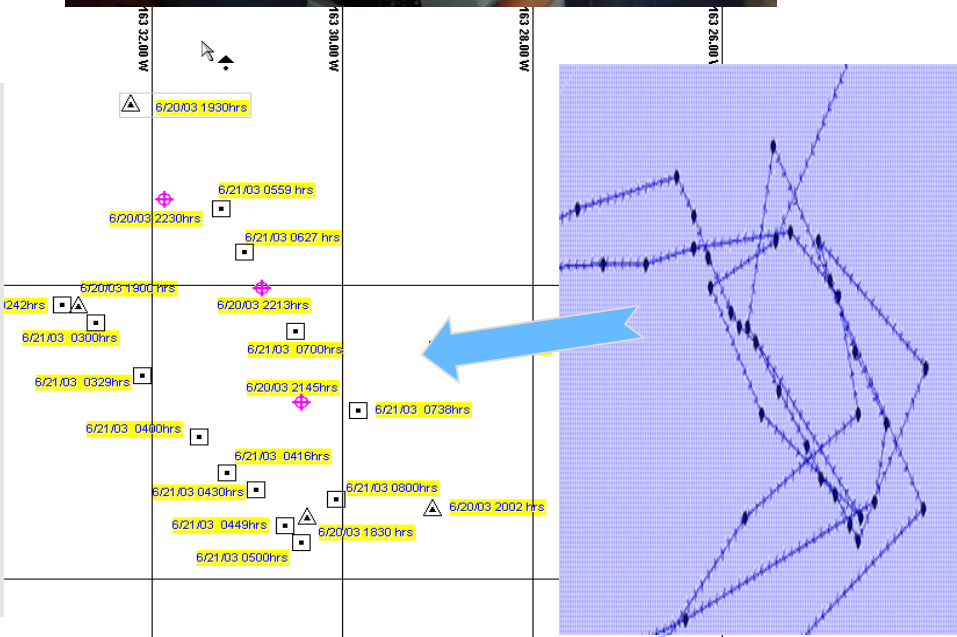
**Gear Deployment**  
6/20 1830-1900 hrs  
S - 4 kts / C-316\* T

**Lat / Long**

**Soak time: 7'42"**

**Gear Retrieval**  
6/21 0242 – 0500 hrs  
S - 0.9kts / C - 139\*T

**Lat / Long**



Inspections allow full review and access to documents onboard a fishing vessel – Captain logs, Navigation logs, Fishing Charts, Captain's personal logs, Fuel receipts, Transshipment logs

Logbook Data

+

Plotter Data

+

VMS Data

- do they tell the same story?

# Analyze transshipment data and verify accuracy against logbooks and electronic data



What Species, by quantity and product type, was transshipped?

When and Where was it Transshipped?

Who was the source and who did it go to?

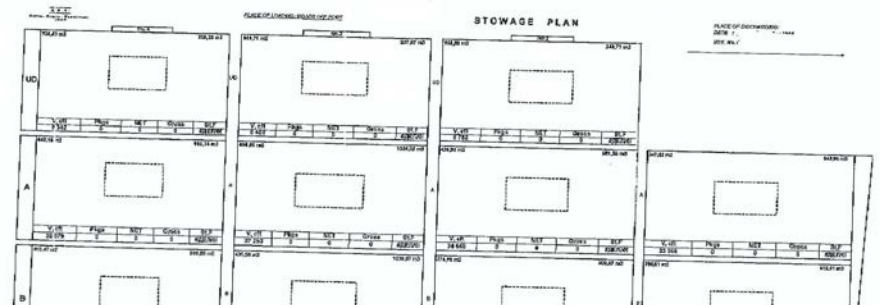
Is it fully documented?

Do vessels have the necessary authorizations for the transshipment?



## Carrier Vessels

- Review the Transshipment approvals, storage plan, cargo manifest and mate's receipts to identify all product / catch onboard and it's source.
- Captains statements certifying tuna as dolphin safe.
- If possible, verify names of delivering vessels against RFMO IUU Vessel Lists.



### CARGO MANIFEST

Vessel name: ..

ETA: \

NO.	Description of goods	Unit	Quantity	UNIT	QUANTITY
1	Bigeye Tuna / Yellow fin Tuna	kg	10,000	M/T	10.00
2	Albacore Tuna	kg	14,000	M/T	14.00
3	Marlin	kg	2,300	M/T	2.30
4	Sword Fish	kg	100	M/T	0.10
5	Other fish	kg	1,000	M/T	1.00
					27.40

### MATE'S RECEIPT

RECEIVED ON BOARD  
 MV : \_\_\_\_\_ VOY : \_\_\_\_\_ POSITION : PAGO PAGO, AMERICAN SAMOA  
 Destination : TO ORDER  
 Shipper : \_\_\_\_\_  
 Consignee : \_\_\_\_\_  
 Notify Party : \_\_\_\_\_

The undermentioned cargo in apparent good order and condition unless otherwise noted below:

Marks & Numbers	Nos. of Packages	Hatch No.	Description	Weight
	In Bulk	3D,3C	FROZEN ROUND TUNA SJ/YF, MIX	1287 M/T
Total	In Bulk			1287 M/T

Remarks : SJ: Skipjack, YF: Yellowfin, BE: Bigeye.  
 1 Loaded on board from 0846LT 02/12/2015 to 1206LT 07/12/2015  
 2 Cargo "Said To Be" and "Said To Weigh"  
 3 Fish loaded at temperatures ranging between -10.0 °C and -13.9 °C  
 4 Quantity as declared by Fishing Vessel. Actual quantity to be determined at port of discharge/unloading.  
 5 Damaged/deformed fish noted / not noted --- 0.1 %  
 6 Carrier's estimation of loaded quantity : 1286 M/T  
 7 Appearance of fish : Fair (Good)

## Fishing Vessels

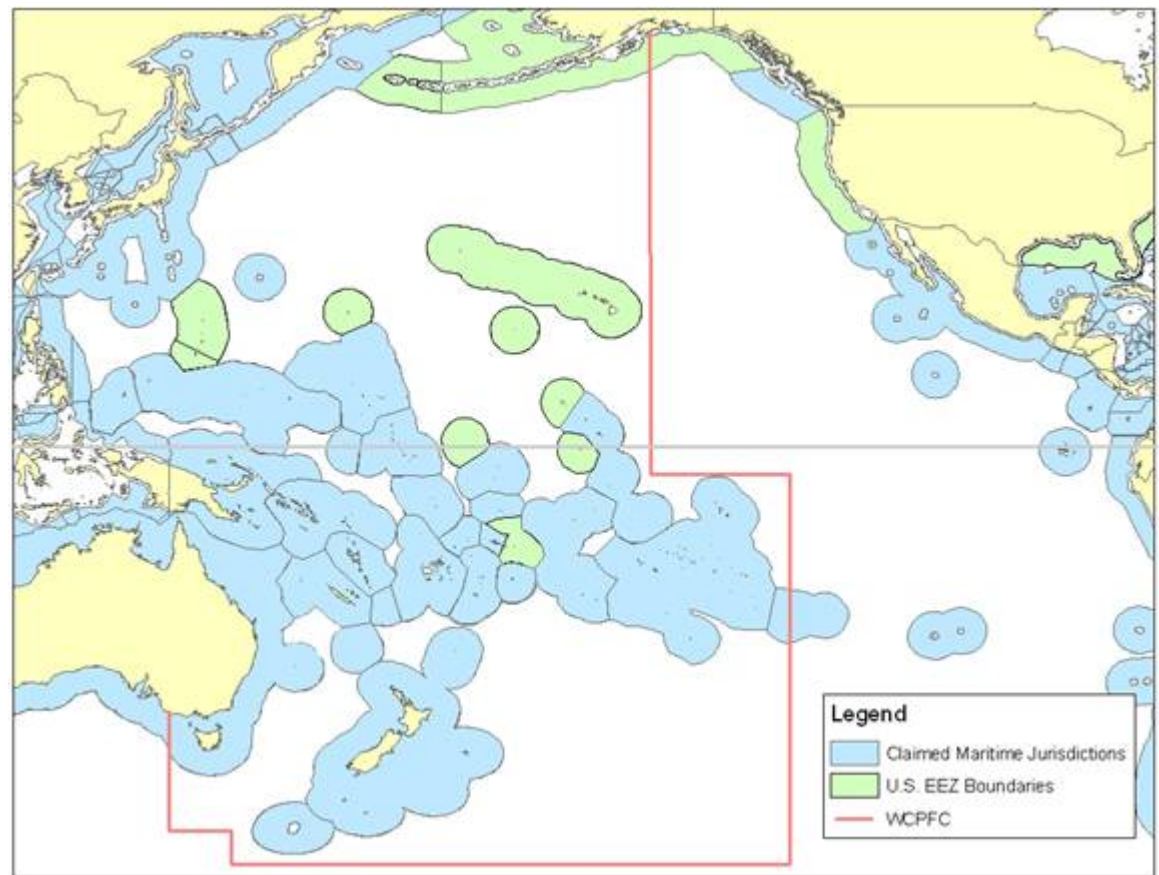
- Review the Transshipment approvals and logbook records to identify fishing vessels that delivered harvested catch.

Does electronic data verify logs concerning location of activity?

# Identify all areas of transshipping and/or fishing for compliance with applicable rules, regulations, RFMO CMMs and relevant authorizations

For each area where fishing or a transshipment occurred, does the vessel have a valid:

- High Seas Permit,
- Foreign Fishing Vessel License issued by the Nation State for each EEZ fished,
- RFMO Authorization



# Location & Compliance Verification

## Record Confirmation

- Logs and electronic data confirm locations of fishing and/or transshipments
- Quantity in logs match product onboard and offloaded. inputs = outputs

## Location and Authorizations

- **Examine the location, who has jurisdiction over the area? What authorizations are required?**
- Coastal State EEZ – Foreign Fishing vessel permit / transshipment authorization
- High Seas – RFMO Certificate of Registry / Flag State high seas permit

## RFMO CMM's, laws and regulations

- **Was activity in compliance** with applicable RFMO Conservation Management Measures? Coastal State laws and regulations?
- More than one RFMO may be applicable.





# Compare logbook catch information against fish in holds or monitored offloads for accuracy.



# Review the Catch onboard and compare to records

Conduct an inspection of the vessel's holds, fridges, freezers, deck and below decks area to assess the quantity and type of catch on-board.

Check the general layout of the vessel and the dimensions of holds and look for any evidence of hidden holds or hidden compartments within holds.

Records quantities of non-target catch and prohibited catch or fish parts.

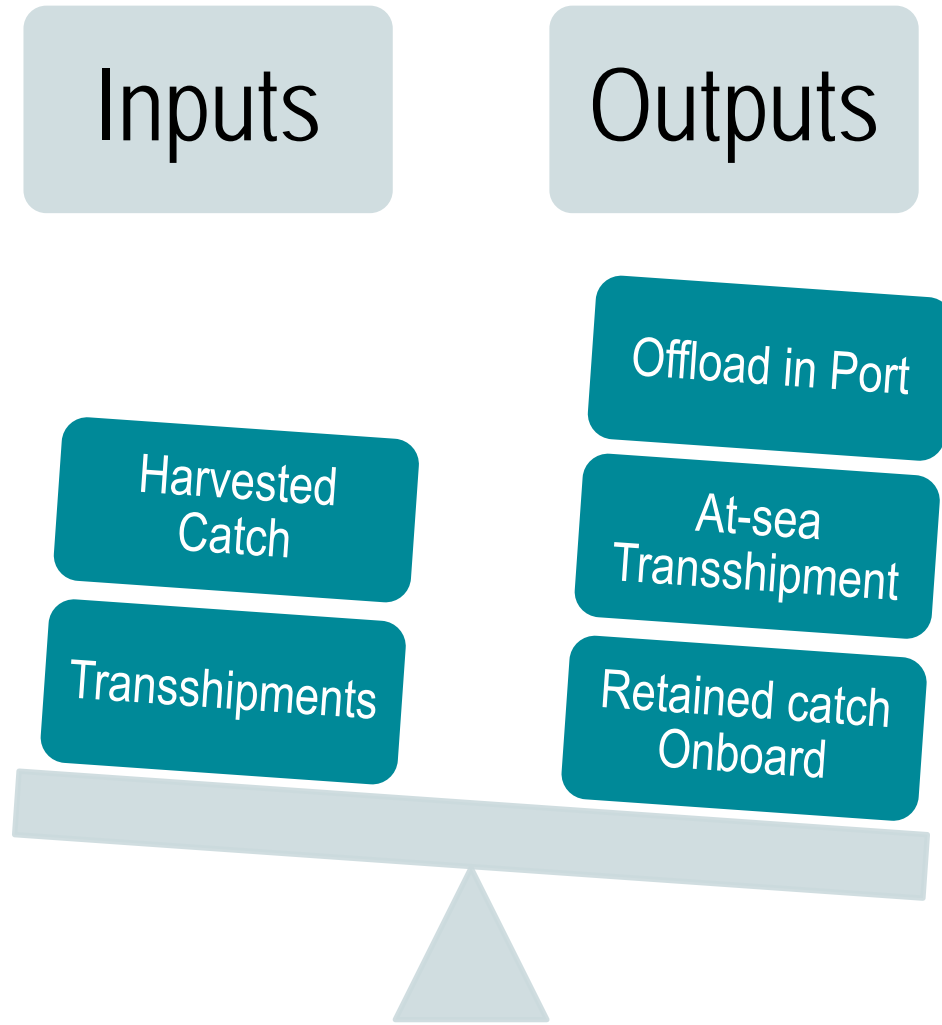


Verify against your inspection notes concerning catch onboard the vessel and from the offload.



Ask questions about any discrepancies or unusual findings or observations.

# Audit the quantity and species of fish and compare to vessel records.



Determine the total catch obtained using fishing logs and transshipment data (received catch).

Determine the total catch offloaded and/or retained by the vessel.

Compare the two quantities to ensure accurate reporting by:  
Species  
Weight  
Product types



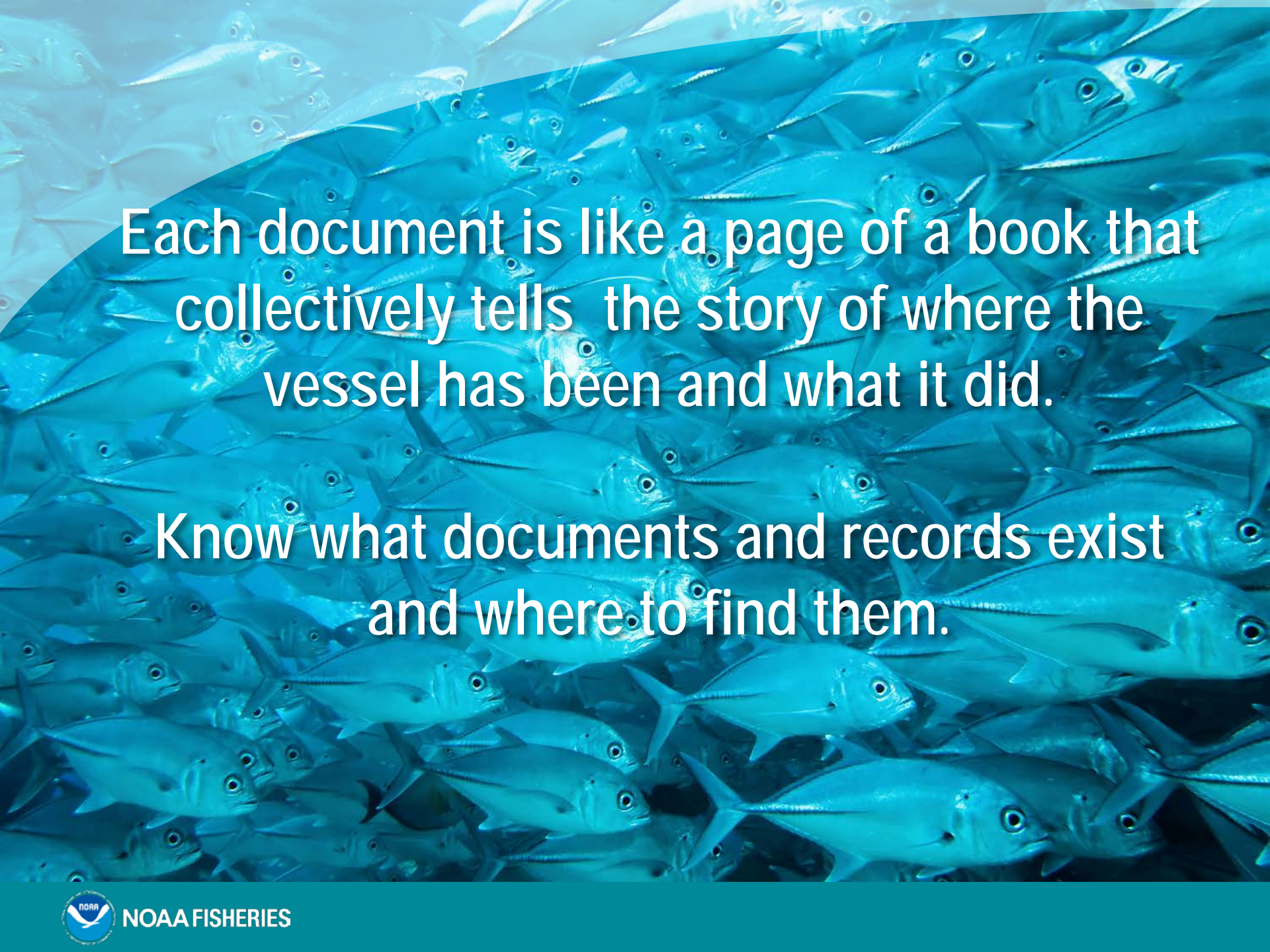
# Review

The purpose and goal of each inspection is to:

- Collect and verify the vessels information,
- Collect and verify the owner and crews information,
- Review the authorizations for fishing,
- Review and analyze the vessel logs and other documentation to determine where the product was harvested or received,
- Compare the logs and documentation of catch to electronic data,
- Compare the harvest / transshipment with authorizations and laws, regulations and RFMO Conservation and Management Measures.
- Compare harvest / transshipment records to the catch held onboard and / or offloaded.

In completing these steps you will validate each piece of data by comparing to other data and observations during the inspections. If data cannot be verified or does not match, further investigation is needed to determine the legality of the harvest and transshipments as best you can.





Each document is like a page of a book that collectively tells the story of where the vessel has been and what it did.

Know what documents and records exist and where to find them.

