



Australian Government

Australian Fisheries Management Authority

# Vessel , Product and Species Identification

## Inspector Experiences



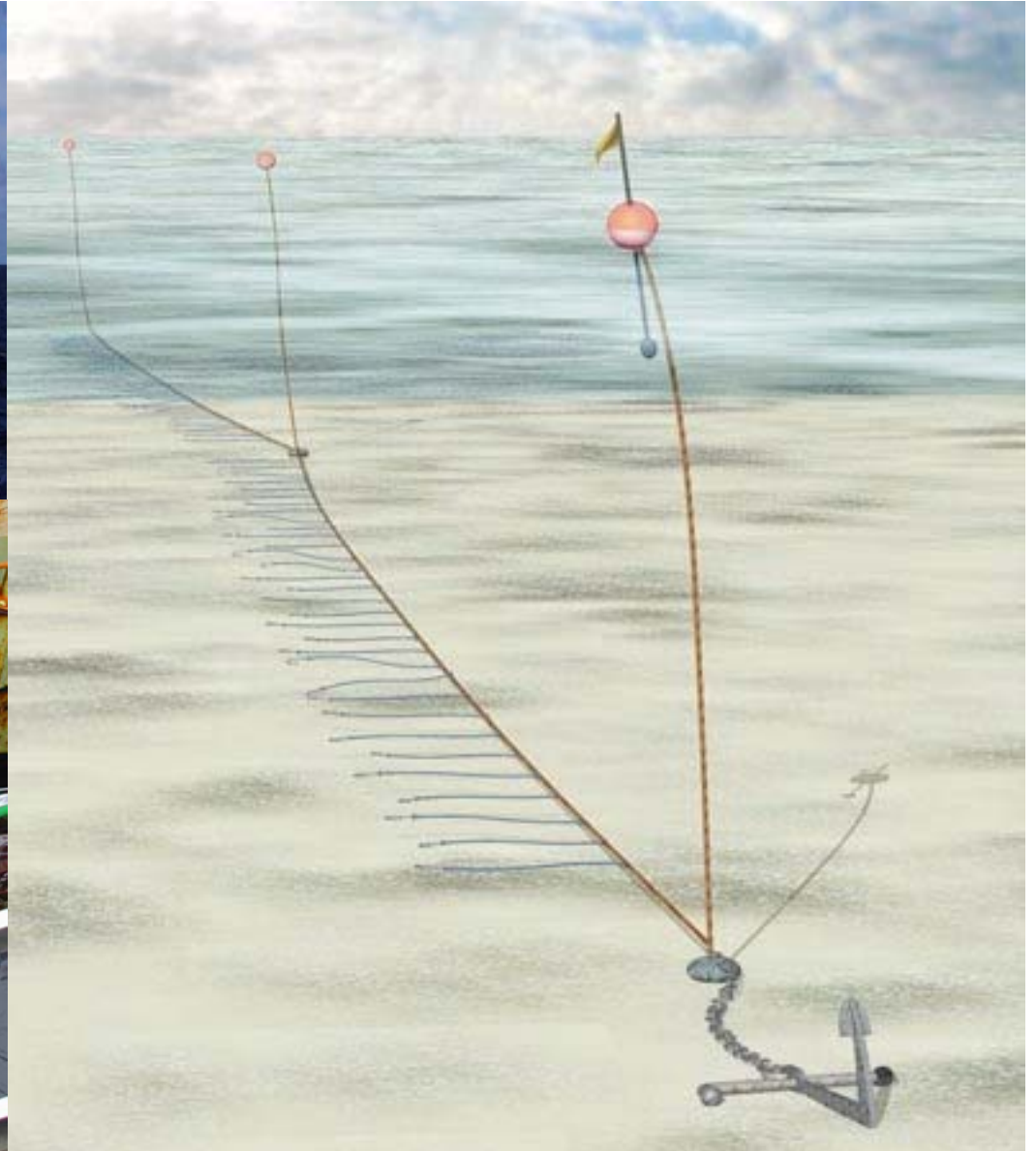
Protecting **our** fishing future

# Introduction

- **Vessels and Gear**
- **What documents to look for to support the PSMA Inspection**
- **Inspector Experiences**
- ✓ **Documents that give rise to suspicion**
- ✓ **Activities that give rise to suspicion**
- ✓ **Species Identification**
- ✓ **Tricks IUU operators play**

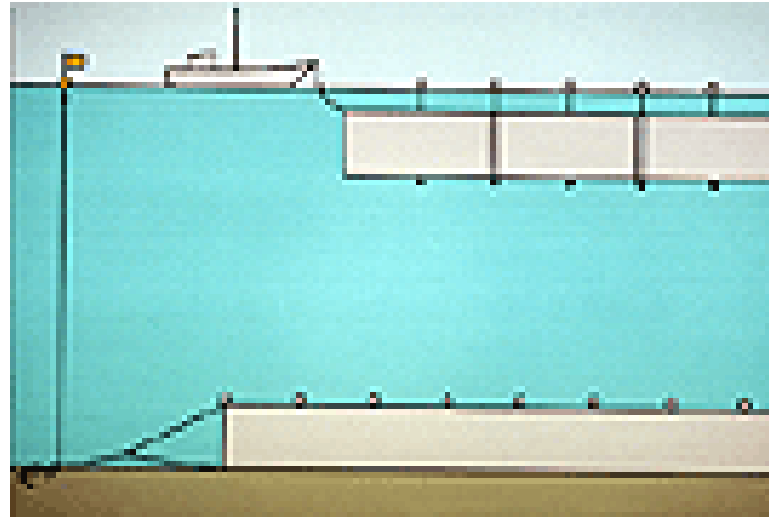


## IUU Tooth fish long lining



## IUU Gear

- **Now mainly Bottom Set Gill Net**





## Why do we do PSMA Inspections ?

- To confirm a vessel has complied with its authorisation/s and not undermined any relevant RFMO arrangements and if so grant port access

OR

- To determine the vessel has engaged in IUU activities and if so deny port access

## ANNEX B Port State inspection procedures (cont)

b) **Verify** that the vessel's flag and markings e.g.

- name,
- external registration number,
- International Maritime Organization (IMO) ship identification number,
- international radio call sign and other markings,
- main dimensions

are **consistent** with information contained in the documentation;



## ANNEX B Port State inspection procedures (cont)

- c) **Verify**, to the extent possible, that the authorizations for fishing and fishing related activities are true, complete, correct and **consistent** with the information provided in accordance with **Annex A (Port Entry Info)**;





## ANNEX B Port State inspection procedures (cont)

- d) **review** all relevant documentation and records held onboard, including, to the extent possible,

Relevant documentation may include:

- logbooks,
- catch,
- transshipment and trade documents,
- crew lists,
- stowage plans and drawings,
- descriptions of fish holds,





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# INSPECTOR EXPERIANCES



Protecting **our** fishing future

### CERTIFICATE OF VESSEL'S NATIONALITY

OWNER	Name : DONGWON FISHERIES CO., LTD.
	Address : #824-24, YEOKSAM-DONG, GANGNAM-GU, SEOUL, KOREA

Official Number 9412015-6210005

Name of Vessel	NO.623 DONG WON
----------------	-----------------

Signal Letters D S D R 7

Kind of Vessel	MOTOR SHIP
----------------	------------

Material of Hull STEEL

Port of Registry JUNG-GU, BUSAN, KOREA

Rigging (if a Sailing Vessel) -

Type and Number of Engines DIESEL ENGINE 1SET(1200HP)

Type and Number of Propellers SCREW PROPELLER 1EA

Where Built      BUSAN, KOREA

Name of Builders	DAEDONG SHIPYARD CO., LTD.
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Date of Launch	SEPT. 1989
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	Length	49.61	metres
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Main Dimension	Breadth	8.80 metres
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Depth	3.84 metres
-------	-------------

Gross Tonnage 424 tons

### Total Capacity of Enclosed Spaces

2394.849 cubic metres

## Under the Upper Deck

1247.512 cubic metres

### Closed-in Spaces above the Upper Deck

1147.337 cubic metres

Forecastle	156.138	cubic metres
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Poop	607.997	cubic metres
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Deck Houses	374.608	cubic metres
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Other Spaces	8.594	cubic metres
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### Total Capacity of Exempted Spaces

Forecastle - cubic metres

Bridge - cubic metres

Poop	-	cubic metres
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Deck Houses - cubic metres

Other Spaces	-	cubic metres
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It is hereby certified that the above described particulars are exact in all respect, and that the above-mentioned vessel is of Korean Nationality

The 8 day of OCT. 2001

REPUBLIC OF KOREA

It is hereby certified that the above is a true translation of "Certificate of Vessel's Nationality" of the above-mentioned Vessel.

The 8 day of OCT, 2001

METROPOLITAN OF BUSAN REPUBLIC OF KOREA



# Forum Fisheries Agency Vessel Register

## FFA Certificate of Registration

Registration as at 22 October 2008

This is to certify that the following vessel has achieved good standing on the FFA Vessel Register

### Vessel details

Vessel Identifier (FFA VID)	21543
Name of vessel in English	ORYONG 305
Flag	South Korea
Vessel Type	Longline
International Radio Call Sign	HLVJ
Flag State Registration number	9505005-6210000
Length Overall (m)	53.30
Gross Tonnage	384.00
Current Status	Good Standing

### FFA VMS Automatic Location Communicator (ALC) details

Inmarsat Mobile Number (IMN)	444095210
Manufacturer	Furuno
Make	Inmarsat-C MES Transceiver
Model	Felcom 16
Serial number	4FE088BA1866
FFA Security Seal numbers	04815X, 04816X, 04817X

### Applicant details

Company name	Sajo Industries Co., Ltd
Address	#157, 2Ga Chungjeong-Ro, Seodaemun-Ku SEOUL South Korea

Signature of authorised officer

  
Norman Kapua

The period of good standing on the FFA Vessel Register covered by this Certificate of Registration is 18 October 2008 to 30 June 2009.



# 원양어업 허가증

## LICENSE FOR DISTANT SEA FISHING

성명 NAME	사조산업(주) 대표이사 박길수		생년월일 DATE OF BIRTH	1952.02.25	
주소 ADDRESS	서울특별시 서대문구 충정로2가 157번지		(전화 : 02-3277-1656) TELEPHONE		
사용이선 VESSEL SPECIFICATION	선명, 톤수 NAME OF VESSEL, TONNAGE	제305호, 봉호 384.00 GT			
	어선번호 REGISTRATION NUMBER	9506005-6210000			
	기관종류 및 마력 TYPE OF ENGINE & HORSE POWER	딕젤기관 1,000 HP DIESEL ENGINE			
	선질 및 주요치수 MATERIAL & MAIN DIMENSIONS OF VESSEL	강선 STEEL VESSEL	길이 LENGTH	47.21 m	
		너비 WIDTH	8.70 m		
	깊이 DEPTH	3.75 m			
	주요기기 및 시설 MAIN EQUIPMENT	부선통신시설, 방탄, 어담, 레이더, 냉동기, 양송기			
허가번호 LICENSE NO.	원양잡치연승 제2009-93호				
어업종류 TYPE OF FISHERY	원양연승어업				
어업의 명칭 APPELLATION OF FISHERY	원양잡치연승어업				
조업의 방법과 어구명칭 FISHING METHOD, GEAR TYPE	공란				
조업구역 FISHING AREA	태평양, 대서양, 인도양				
포획·채취물의 종류 TARGET SPECIES	잡치류				
어업의 시기 FISHING PERIOD	1월 1일부터 12월 31일까지				
허가기간 TERM OF VALIDITY	2009년 6월 18일부터 2014년 6월 17일까지				
제한 또는 조건 LIMITATION OR CONDITION	뒤쪽 참조				

「원양산업발전법」 제6조제1항에 따라 위 원양어업을 허가합니다.

THIS LICENSE IS ISSUED IN CONFORMITY WITH CLAUSE 1, ARTICLE 6 OF  
THE DISTANT SEA FISHERIES ACT.

2009년 6월 9일  
YEAR MONTH DAY

대한민국 농림수산식품부장관

MINISTER FOR FOOD, AGRICULTURE, FORESTRY & FISHERIES, REPUBLIC OF KOREA



轉載協定書  
STATEMENT OF TRANSHIPMENT

轉載船名  
NAME OF CARRIER

M/V SEIWA

漁船名  
NAME OF FISHING BOAT

F/V : O RYONG 305

轉載場所  
TRANSFER PORT/PLACE

MAJURO

轉載內容  
DETAILS OF TRANSFER

製品名 Kind of Goods	數量 Quantity	重量 Weight(M/T)	HATCH NO.
FROZEN TUNA & OTHER	IN BULK	BIG EYE 86.160 MT	2-B HOLD
		YELLOW FIN 57.060 MT	
		OTHER 41.070 MT	
		TOTAL 184.290 MT	

上記、轉載數量及び重量は 漁船船長申告のものであり 最終確認數量及び 重量は  
揚げ地に於ける 檢量證明書 の數量及び 重量によることを 確認する

Above Quantity / Weight was informed by master of fishing boat. We confirmed that final  
Quantity / Weight to counted by certificate of Quantity / Weight at discharge port.

年 月 日 (DATE) : 21st JAN 2010

漁船船長  
SAJO INDUSTRY CO., LTD.  
Master of fishing boat

No. 305 O RYONG

CAPT.

F/V O RYONG 305

轉載船船長  
Master of carrier



MV SEIWA C/OFFICER





## Signs that all is in order

- **Master compliant and not evasive**
- **No concern over contact with the Flag State or RFMO**
- **Good records ready for inspection**
- **Fishing gear matches to vessel**
- **VMS turned on and operational**
- **No frequent name and flag changes discovered**



## Documents and activities that give rise to suspicion

- **Non authentic documents ie ship registration**
- **Poor or non existent catch records**
- **Inconsistencies between vessel attributes and documentation**
- **Frequent name changes (check all past names against IUU lists)**
- **Inconsistencies between vessel license conditions and catch and / area fished**
- **Flag state known for registering IUU vessels**

### SHIP DETAILS

KIND OF SHIP: FISHING VESSEL

NAME: PION      CALL SIGN: HQXJ4

FLAG: HONDURAS      GROSS TONNAGE: 1,322,00 TONS

PORT OF REGISTER: SAN LORENZO

NET TONNAGE: 396,00 TONS

L.O.A.: 70,0 Mtrs      BREADTH: 10,70 Mtrs

FROM BRIDGE TO THE BOW: 31 Mtrs

AFT DRAFT: 6,20 Mtrs      FORWARD DRAFT: 3,70 Mtrs

AIR DRAUGHT: 22,00 Mtrs

LAST PORT OF CALL: HIGH SEAS

AGENT IN PENANG: SIPTRACO FISHERY AGENCY

CHIEF OFFICER'S LOG

DATE

TIME

WIND

WAVE

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PROVISIONAL CERTIFICATE OF REGISTRY

**REGISTRO NUMERO:** L-1938424 FORM 02/01  
**NUMERO OMI:** 8713392 DGBMFF No. 40

El Infrascrito, Director General de la Marina Mercante, por medio del presente documento HACE CONSTAR: Que los Armadores de la Nave que se describe a continuación, han presentado la solicitud para que la misma sea matriculada en forma Provisional en el Registro Marítimo respectivo, quedando en consecuencia obligados a presentar la documentación que se establece la ley, ha efecto de que se le extienda a dicha nave la correspondiente Patente Provisional de Navegación.  
The Undersigned, General Director of the Merchant Marine, by means of this document HEREBY CERTIFY, that the Owners of the under-described vessel have submitted application and agreed to have the vessel provisionally registered in the Maritime Registry undertaking to submit the documents established by the Law for situation of the said Ship's Register Certificate to be issued to this vessel.

GENERALIDADES DE LA NAVE	
General Ship's Data	
Nombre de la Nave:	PION
Ship's Name	THE BIRD
Ex Nombre / Ex Name:	BUQUE PESQUERO DE A-MAR / DEEP WATER
Tipo de la Nave:	FISHING
Type of Vessel	FISHING
Nacionalidad Actual:	HONDURENA
Present Nationality	HONDURENA
Lugar y Fecha de Construcción:	1987
Place and Year Built	Built by:
Armadores:	TRANCOEIRO FISHING S. A.
Owners	AV. DE LA CORUÑA N. 16. ENTREPLANTA A.
Domicilio:	APARTADO DE CORREOS 141 C.P. 15960 RIBEIRA A
Address	CORUÑA - SPAIN
Apoderado Legal:	JOSE ANIBAL PADILLA
Power of Attorney	JOSE ANIBAL PADILLA
Construido por:	ZOSEN KK MUORAN
Constructed by	ZOSEN KK MUORAN

CARACTERISTICAS PRINCIPALES	
Main Particulars	
Número de Cubiertas:	1 UNA
Number of Decks	1 UNA
Mastiles:	2 DOS
Masts	2 DOS
Chimeneas:	1 UNA
Funnels	1 UNA
Puentes:	1 UNO
Bridges	1 UNO
Material del Casco	
Hull Material	Acero: X
Steel	Acero: X
Madera:	Wood
Fibra de Vidrio:	Fibra de Vidrio:
Fiberglass	Fiberglass
Aluminio:	Aluminio:
Aluminum	Aluminum
Otros:	Otros:
Others	Others
Dimensiones:	
Dimensions	
Eslora:	62.01 Mts
Length	62.01 Mts
Manga:	10.70 Mts
Breadth	10.70 Mts
Puntal:	6.82 Mts
Depth	6.82 Mts
Calado:	4.50 Mts
Draft	4.50 Mts
Tonelaje:	
Tonnage	
Bruto:	1,322.00
Gross	1,322.00
Neto:	396.00
Net	396.00

SISTEMA DE PROPULSION	SISTEMA DE ESTACION DE RADIO
Propulsion System	Radio Station System
Núm. Y Clase de Motores:	Clase de Radio
Number and Type of Engine	Type of Radio
Velocidad de la Nave	Indicativo de Llamada:
Ship's Speed	Call Sign Letters
1 MOTOR HANSHIN D	Frecuencias:
LU32RJ, 1800PS	Frequencies
10 KNOTS	

Empresa Responsable de la Operación: TRANCOEIRO FISHING S. A.

Enterprise responsible for operation

Permiso de Navegación

Navigation Permit No.

Núm: 40

Provisional Navigation Permit No.

Registro de Matricula

Registration No.

Núm: L-1938424

Provisional Ship's Register Certificate

Fecha de Emisión: 07 de Junio de 2011

Issue Date

Fecha de Expiración: 07 de Diciembre de 2011

Expiration Date

Extendida en Tegucigalpa, M.D.C., a los 07 DE JUNIO DEL 2011

Issued at Tegucigalpa, M.D.C., República de Honduras, C.A.

Original Paper registered And Issued Copy: Blanca - De Copia Blanca

OBSERVATIONS: SHOULD NOT CATCH TUNA, AND TUNA LIKE SPECIES, NOR OTHER SPECIES UNDER REGIONAL FISHERIES AGREEMENT OR ANOTHER REGIONAL AGREEMENT

DIRECTOR GENERAL DE LA MARINA MERCANTE  
General Director of the Merchant Marine



2.3.10.14. *Phragmites*

[illegible]

Prepared by:  Date:

[illegible]

REGULATORY COMPLIANCE

Event	Wheel	Lock-out			Pos 1	Pos 1	From midnight to  at midnight
00-04					Pos 2	Pos 2	
04-08					Pos 3	Pos 3	
08-12					Pos 4	Pos 4	
12-16					Pos 5	Pos 5	
16-20					Pos 6	Open	
20-24					Eng. Room	From Pos 6 After Pos 6	

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OFFICER'S LOG BOOK



114 - 115

[illegible]

Year	Mean	Standard Deviation
1990	1.00	0.00
1991	1.00	0.00
1992	1.00	0.00
1993	1.00	0.00
1994	1.00	0.00
1995	1.00	0.00
1996	1.00	0.00
1997	1.00	0.00
1998	1.00	0.00
1999	1.00	0.00
2000	1.00	0.00
2001	1.00	0.00
2002	1.00	0.00
2003	1.00	0.00
2004	1.00	0.00
2005	1.00	0.00
2006	1.00	0.00
2007	1.00	0.00
2008	1.00	0.00
2009	1.00	0.00
2010	1.00	0.00
2011	1.00	0.00
2012	1.00	0.00
2013	1.00	0.00
2014	1.00	0.00
2015	1.00	0.00
2016	1.00	0.00
2017	1.00	0.00
2018	1.00	0.00
2019	1.00	0.00
2020	1.00	0.00

# Extract CCAMLR IUU List

Current name	Current flag	Lloyds/ IMO no.	Current call sign	Nature of activity <sup>1</sup>	Date(s) of incident	Year listed	Ownership history <sup>2</sup> (last reported is underlined)	Previous name(s) <sup>3</sup>	Previous flag(s) <sup>3</sup>
				Inside Division 58.4.3b	14 Mar 07		His-To Co Ltd (Togo) (Operator: Jose Manuel Salgueiro)	5. Rex	6. Togo
<u>Pion</u>	Honduras	8713392	HQXJ4	Supporting IUU activities of <i>Thule</i>	05 Apr 04	2004	Cazenove International SA (03) Canela Shipping, c/- Jose Argibay Perez, (Spain) (04) Trancoeiro Fishing S.A. (Panama)	<u>1. Pion</u> 2. <i>South Boy</i> 3. <i>Gale</i> 4. <i>Ulyses</i> 5. <i>Thor 33</i> 6. <i>Yin Peng</i> 7. <i>Chu Lim</i> 8. <i>The Bird</i>	1. Uruguay <u>2. Equatorial Guinea</u> 3-5. DPRK 6-7. Togo 8. Mongolia
<u>Xiong Nu</u> <u>Baru 33</u>	Unknown	9042001	HMVU8	Undocumented landing, Malaysia Fishing inside Division 58.4.3a Inside Division 58.4.3a Fishing inside Division 58.4.3b Inside Division 58.4.3b Inside Division 58.4.2 Fishing inside Division 58.4.3b Inside Division 58.4.1	Aug 04 22 Feb 05 28 Apr 05 16 Dec 05 01 Jul 09 27 Jan 10 04 Apr 10 13 Feb 11	2004	Fadilur SA (Aug 04) Global Intercontinental Services (05) (Operator: Vidal Armadores)	1. Carran <u>2. Hammer</u> 3. <i>Chilbo San 33</i> 4. <i>Liberty</i> 5. <i>Draco-1</i>	1. Uruguay <u>2. Togo</u> 3. DPRK 4. Panama 5. DPRK
<u>Yanqi</u> <u>Hua 44</u>	Unknown	9319856	JVHP4	Supporting the IUU activities of IUU listed vessels Inside Division 58.4.3b Fishing inside Division 58.4.3b	16 May 08 22 Apr 09 07 Apr 10	2008	Mabenal S.A. Gongala Fishing Joint Venture Pty Ltd Omunkete Fishing Pty Ltd <u>Eastern Holdings Ltd (Belize)</u>	<u>1. Paloma V</u> 2. <i>Trosky</i>	1. Uruguay <u>2. Namibia</u> 3. Mongolia

<sup>1</sup> The incident which resulted in the vessels' inclusion on the IUU List is the first entry in the 'Nature of Activity' column.

<sup>2</sup> Ownership history is sourced mainly from Lloyds Registry and only records dating back to 1980 have been listed here. The date in parenthesis is the date on which the ownership was reported to have come into effect. The latest reported owner is underlined. However, this information may not necessarily be current or correct.

<sup>3</sup> The name and flag under which the vessel was originally included on the IUU List, where different to current details, is underlined in the 'Previous name(s)' and 'Previous flag(s)' columns.





•Species ID

# Check Species

-  SE Asia – CCAMLR IUU vessels claim various species but mainly grouper

# • 2 types of toothfish...



- Antarctic toothfish
- (Dissostichus mawsoni)



- Patagonian toothfish
- (Dissostichus eliginoides)



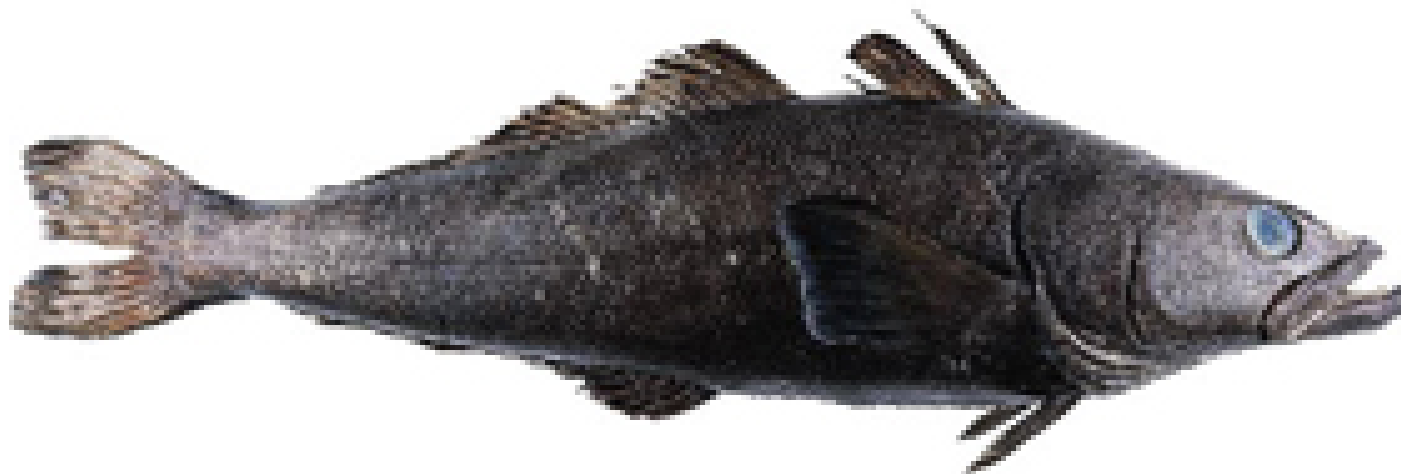


**ANTARTIC TOOTH FISH**



# PATAGONIAN TOOTHFISH

- Live in more Northerly latitudes
- Comprise most of the toothfish catch







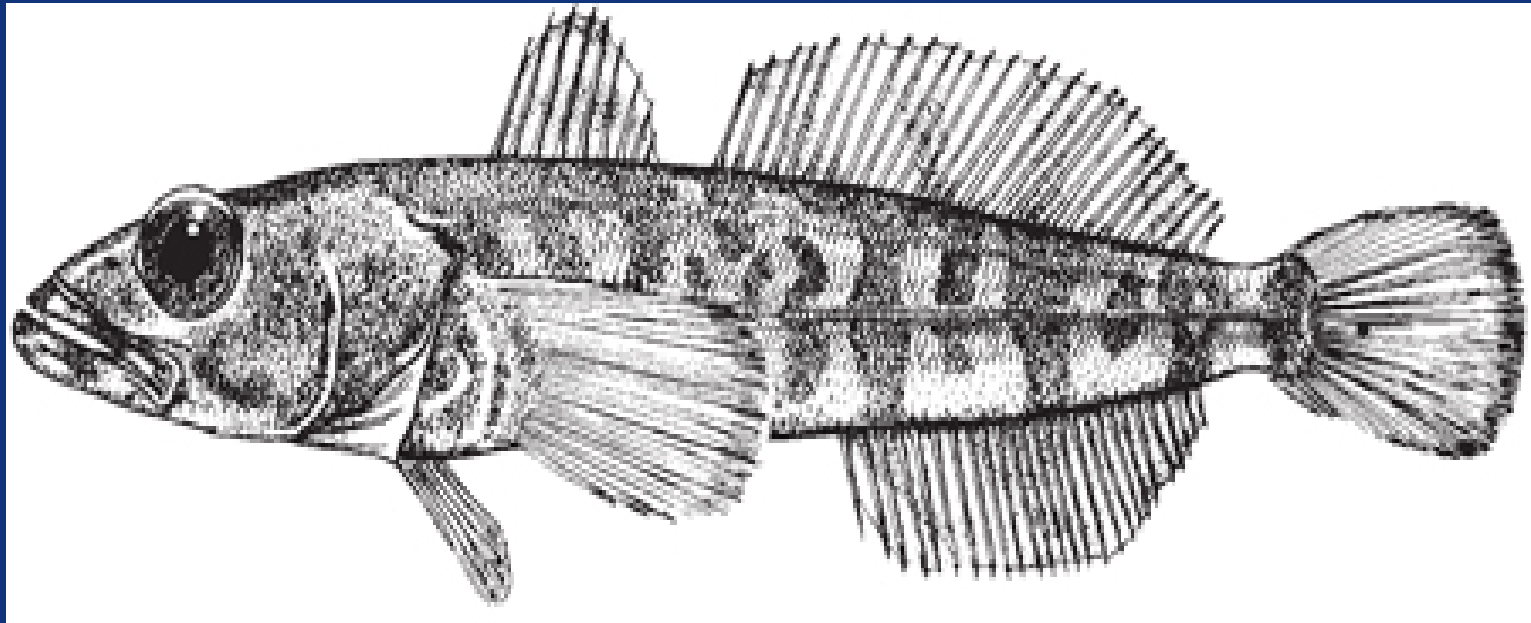
# MORPHOMETRICS

Australian Government

Australian Fisheries Management Authority

•Spiny dorsal 8-10

•Dorsal soft rays 28-30



•Anal Spines - 0

Protecting **our** fishing future

# DIFFERENT FORMS OF PRODUCT













**TOOTH FISH • LEGINE**

<b>DRESS</b>	<b>5L</b>	<b>4L</b>	<b>3L</b>	<b>2L</b>	<b>L</b>	<b>M</b>	<b>S</b>	
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**FILLET**

**CHEEK MEAT**

**COLLAR**

**HEAD**

**STOMACH**

**SKATE**  
**WING**

**GRENADIER**  
**DRESS**

030210

CROZET

030212



**Le Saint-André**













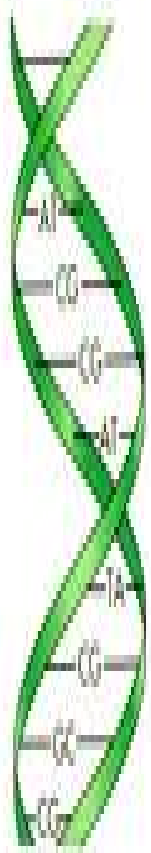


06.03.2005



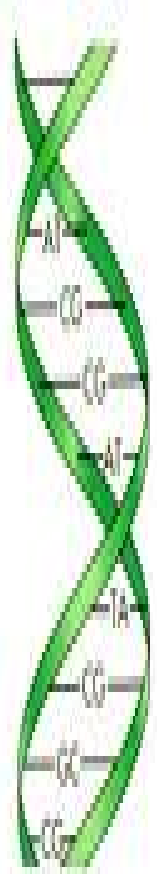


## DNA Sampling



- If in doubt to the species protein analysis or DNA analysis may be considered.
- Protein fingerprints can be obtained from fillet samples.
- 50-150 milligrams of white muscle tissue.
- Can be stored and transported frozen -20° C or preserved in fresh 95 % ethanol and stored in a cool place.

## DNA Sampling



- DNA is extracted from the samples under laboratory conditions.
- Codes are long sequences and can be entered into a web site to diagnose the species.

• <http://www.boldsystems.org/views/idrequest.php>



# Tricks to watch out for

- Mis declaration of species (ie SE Asia Ports Toothish being claimed as Grouper)
- Under declaration of value of catch
- Operators turning blast Freezer and Freezers to maximum
- At sea name changes
- Request Emergency Access





**Permanent carriage of non managed species to show to inspectors**







**IUU reasonably easy  
to Identify if you  
know where to look**

