

Illegal Fishing and Shark Poaching

Mahein's Thoughts No. 14, 7 March 2017



Foto: MundoEntrePatas.Com

FundasaunMahein (FM)

Website: www.fundasaunmahein.org

2017



Table of Contents

Contents	2
Executive Summary	3
Introduction	4
Methodology	5
Shark Poaching	5
Fees for Fishing Licenses	10
Sanctions for Fishing Infractions	11
Deficiencies in Fisheries Policy	11
Recommendations	13
Bibliography	14



Executive Summary

Illegal fishing in Timorese waters is a situation of concern for all Timorese. The Ministry of Agriculture and Fisheries estimates that over the last few years, Timor-Leste has lost over \$200 million from illegal fishing. Timor-Leste's lack of capacity to maintain maritime security and protect its natural resources has always been a concern for the leaders of the FALINTIL Timor-Leste Defence Force (F-FDTL) and the National Police of Timor-Leste (PNTL). While attempts have been made to reduce illegal fishing, they have tended to cause more problems than it resolves. In 2016 and earlier, the government of Timor-Leste allowed some companies to conduct legal fishing in Timorese waters, with the Ministry of Agriculture and Fisheries (MAFF) informing the media that this was a means to discourage illegal fishing. However, this failed to reduce illegal fishing, and has in fact intensified the overfishing of Timorese waters.

The Chinese company Hong Long Fisheries Company Ltd (HLF) was granted a fishing license by the Timorese government through the Ministry of Agriculture and Fisheries waters on November 15, 2016. However, this company has been catching sharks, which is prohibited under Timorese law. During three months of fishing off Timor-Leste's south coast, HLF's fleet caught 416 tons of fish, including 43.6 tons of sharks. This amounts to 10.9 tons of sharks a week. As the company knows that sharks are a protected species in Timor-Leste, this behavior indicates a blatant disregard for Timorese law.

Sanctions for serious infractions of Article 157 can range from penalties of \$500 to \$500.000. Article 161 stipulates that offences under Article 157 are punishable by fine and by the suspension of the fishing permit for a period of between one to six months, and that in cases of repetition of the offence within twelve months from the date the previous sanction was imposed, the fishing permit shall be revoked and the offender shall not be eligible for the renewal of the fishing permit or obtaining a new permit for a period of up to twenty-four months.

There are still policy deficiencies for the management and administration of fisheries and protected areas, as well as a lack of effective monitoring. The absence of oversighthas enabled Hong Long Fisheries catch 43.6 tonnes of protected shark species within a 90-day period. From a national security perspective, the coordination of measures to protect Timor-Leste's maritime resources should become an urgent priority, including the establishment of a National Maritime Authority. Such an authority would have the power to enforce Timor-Leste's law within the country's territorial waters. The lack of such monitoring only serves to embolden the actions of unscrupulous companies such as HLF.

Recommendations

1. The investigation team formed by the Government must involve criminal investigative authorities such as the Anti-Corruption Commission (CAC) and



Scientific Criminal Investigation Police (PSIK) to process the fisheries company's licenses, monitor their adherence to statutes, and investigatetheir fishing activities and their catch types/limits.

- 2. Police criminal investigation services must conduct routine investigations of the infractions identified by this report.
- The Ministry of Agriculture and Fisheries mustimprove policy/legislation and allocate the necessary equipment to develop the fisheries sector and protect maritime resources.
- 4. The Ministry of Defence must accelerate the creation of a National Maritime Authority (MNA) to ensure the protection and control of Timor-Leste's maritime resources.

Introduction

Timor-Leste has a coastline of 735 km, and an Exclusive Economic Zone (EEZ) of 72 326 km². This maritime areas are rich in resources, offering great promise for establishing fisheries and the accompanying revenue for Timor-Leste.¹Despite this potential, Timor-Leste currently faces a serious problem with illegal fishing conducted in its territorial waters. Estimates from the Ministry of Agriculture and Fisheries (MAFF) indicate that in recent years, Timor-Leste has lost up to \$200 million in fisheries revenue annually due to illegal fishing.²At the same time, Timor-Leste still lacks the maritime security capacity necessary to protect its maritime resources, a problem highlighted by the leaders of the F-FDTL and PNTL.

In order to reduce illegal fishing, the Government of Timor-Leste has granted fishing liceneses for companies to fishlegally in Timorese waters as a meansofgenerating revenue. MAFF has stated to the media that the ministry issued to licensesin order to deter and decrease illegal fishing. Unfortunately, after receiving these contracts the Hong Long Fisheries Company (HLF) has continued violating Timorese law around fishing practices. The activites of HLF have been controversial both locally and internationaly since MAFF granted HLF it's fishing license on November 15 2016. This is due to HLF taking catches that included protected shark species.

The Government of Timor-Leste and the Prime Minisiterresponded by ordering an immediate investigation of the activities of HLF under Dispatch No. 055/2017/II/PM. The Government has created an investigative team including MAFF, the Ministry of Defence (MoD), Ministry of Interior (MoI), Maritime Police Unit (UPM), the Criminal Investigative Service (SIK) of the PNTL, the F-FDTL Naval Component, Migration Services (MS) and Customs.⁴

-

¹National Strategic Development Plan (PEDN) 2030, p.158.

²Ministry of Agriculture and Fisheries, on 24th February 2017.

³ Timor Post, 14 December 2016.

⁴Ministry of Agriculture and Fishing. 24 February 2017.



Methodology

The methodology used for this report followed an interactive debate organized by Radio Timor-Leste (RTL) on February 24th, 2017, involving FundasaunMahein (FM), the General Director of the National Directorate of Fisheries Inspection and MAFF in regards to the shark poaching allegations against HLF. Following the debate, FM researchers thoroughly discussedthese allegations with the General Director and MAFF, in order to confirm the information regarding HLF's activities. The discussion focused on the fishing license granted to HLF, the national legislation and international conventions regarding the regulation of fishing activites, and media publications on these issues.

Following these consultations, FM research staff conducted an internal Security Sector Discussion (SSD) to discuss the issues involved, develop a framework for the report, consider data compilation and analysis, and develop recommendations. Furthermore, this report's timeframe is limited to the 90-day period in which it assessed HLF's activities.

Shark Poaching

1. Hong Long Fisheries Company

In 2016, HLF received a license from MAFF allowing it to conduct fishing activities in Timorese waters. HLF is a branch of Fuzhou Honglong Company of China, which was formed in 1995 and owns a fleet of 100 vessels. The company also conducts ship maintenance, fish processiong, and distribution to local and international markets.⁵

2. Fishing License for Hong Long Fisheries

HLF, located in Motael Road, Vera-Cruz, Dili, received an industrial fishing license from MAFF to conduct fishing activities with a fleet of 15 vessels between 15 November 2016 and 15 November 2017. This process was reported to be very strict, including analysis by local and international organizations. Organizations involved included the Commision on Private Investment and Exportation, as well as the Monitoring, Control and Surveillance (MSC) *Sub Regional Arafura and Timor Seas* Group which includes Timor-Leste, Australia, Indonesia and Papua New Guinea (PNG). Expert advice was also sought to inspect HLF's vessels and equipment. This equipment consisted of 15 fishing vesslesusing trammel nets and gill nets. The fishing license granted by MAFF also defined the areas in which

⁶Ministry of Agriculture and Fishing. 24 February 2017.

⁵Ministry of Agriculture and Fishing. 24 February 2017.



HLFcould legally conduct their activites, on the south, east and west costs, with fishing prohibited within the 12-nautical mile territorial limit.⁷

Cairavela (Baucau District) and Com (Lautem District) were designated as inspection points. Crew numbers for the 15 vessels would include 75 Timorese citizens and 120 foreign nationals, with 5 Timorese and 8 foreign crew members per boat. Recruitment wasto be coordinated between MAFF and the Secretariat of State for Vocational Training and Employment (SEPFOPE). However, this would indicate a total crew of195 sailors across the fifteen ships. In contrast, the data provided by MAFF indicates a total of 203 seamen:

Table 1: Total Crew

No.	Crew: Timorese and Foreign	Total
1.	Timor-Leste	75
2.	China	69
3.	Philippines	59
Total		203

Source: MAFF, February 2017

The number of Timorese citiezns working for HLF has also decreased over the last 3 months due to family and health reasons. MAFF has not provided clear data on the number of Timorese crew that have resigned form HLF. Nor has clear data been provided regarding the number of crew recruited and trained through SEPFOPE. Disturbingly, the decrease in the number of HLF's Timorese employees is rumoured to be caused by poor working conditions on HLF vessels. 9

HLF presented an investment plan to MAFF for US \$110 million which is detailed in the table below:

Table2: Investment Plan

Investment	Activity	Total Investment			
Plan		(US\$) Million			
Phase 1	15 Trawling Vessels	20			
Phase 2	Establish support base, port, and freezing	15			
	facilities				
	Establishment of aquaculture facility, 100-	22			
	150 hectares				
	Construction of 20 small fishing boats	8			
Phase 3 Construction of 35 Trawling Vessels		45			
Total		110			
0 NATE Ed 0047					

Source: MAFF, February 2017

⁷See also Ministerial Diploma: MinisterialDiploma N°. 01/03/GM/I/2005 about the definition of the fishing zone.Article 2, n°. 1, e.

⁸Ministry of Agriculture and Fishing, February 2017.

⁹Ministry of Agrculture and Fisheries, February 2017.



3. Catches of Protected Shark Species

During the 90-day period of fishing conducted by HLF, a total of 416 tonnes of fish were caught, including 43.6 tonnes of sharks and 372.4 tonnes of other fish species. 10 This high toll occurs in spite of sharks' protected status under Timorese law (Joint Ministerial Decision N°. 12/GM/2015 1 July, List of Protected Species). This violation of Timor-Leste's fishing laws was strongly protested by members of the Timorese Parliament, and also featured prominently in national and international news.

The Director of the National Inspection Directorate of MAFF, Lourenco dos Reis stated that:

"The fifteen vessels from Hong Long Fisheries Company, Ltd., operating in the ocean south of Timor-Leste were accompanied by inspectors from the ministryand always made reports when they caught sharks. The company's report also stated that they had no intention to capture shark species, but instead only caught sharks by accident when they became entangled in the net with other species. When the vessels capture sharks that are still alive, they return them to the ocean. Furthermore, if the company had intended to catch sharks, they would not make a report to the ministry. Therefore sharks which are caught will be released into the seashore, including the seashorein neighboring countries. Hence Timor-Leste will make a strong penaltiesaccording tointernational protest and willhetansome other conventions becausethese attitudes destroythe ocean environmentand also capture protected species such as sharks. With thisthe Ministry of Agriculture and Fishingstipulatesthat 43.6 tons of sharksmustremaininside the vessel andcarry them ontodry landin order to be verified. Hence currently thesefifteen vessels from Hong Long Fisheries Company, Ltd., can remain in the Kairavela area of Baucau municipality".

The investigation team should determine why MAFF did not intervene immediately since it was aware that the HLF fleet was catching protected species. MAFF indicated that it was not uncommon in coastal fishing activities for sharks to be accidently caught, which also occurs in fishing operations worldwide. 11

FM calculated that HLF caught43.6 tonsof sharksover the course of three months. This means that each day the fleet caught 2.06 tons of shark meat daily. Such frequency indicates that the company intended to catch sharks despite knowing that Timorese law regards all sharks as protected species. Indeed, HLF's fishing license includes Timor-Leste's official List of Protected Aquatic Species. The fishing company must abide by this regulation during its operations.

¹⁰TimoreseMinistry of Agriculture and Fishing. 24 February 2017.

¹¹Passed on fromNational Fish Inspection– Minister of Fishing and AgricultureLourenço dos Reis Amaralin Interactive Debate on Radio Timor-Leste (RTL). 24 February 2017.



Members of the National Parliament have also expressed concern about whether HLF is actually paying the fees that it owes to the State. MAFF indicated the tariffs were applied in line with Government Decree No. 2/2005, 6 July, on the Establishment of Fishing License Fees, Inspections and Related Activities. The application of fees was also seen as a means of attracting foreign investment as Timor-Leste otherwise lacks the resources to invest in the fisheries sector. 12

Members of the public are also worried that the license which the MAF gave to HLF resulted from collusion between Timorese individuals and a foreign company. A political observer from the National University of Timor-Leste, CamiloXimenes,suspects thatsome Timorese people helped HLFtake 43.6 tons of shark meat. This observer also demanded an investigation to determine why the company caught a shark species protected by Timorese law.¹³

If Timorese people became owners of the companyand obtained 15 boats from HLF, the question arises of whether their status is that of1) national fishing boats, 2) foreign fishing boats, or 3) foreign fishing boats based within the nation. Government Decree Law N° . 6/2004, 21 April 2004, article 40 designates national fishing boats as:

- a) National Fishing Vessels that are public propertyor belong to a public corporation;
- b) Vessels that are the exclusive property of a Timorese citizen or a Timorese corporation;
- c) Vessels belonging to companies at least 51% of the shares of whichbelong to Timorese citizens;
- d) Vessels belonging to a corporate entity with at least 51% of its capitaloriginating with Timorese individuals or a Timorese collective, so long as the company also fulfilling the following criteria:
 - i. They are headquarteredwithin the nation;
 - They have a CEO of Timorese nationality;
- e) Shipshired by a Timoreseindividual or collective and registered in the Ministry.

Article 41 stipulates that all boats which do not qualify as national fishing vessels according to the criteria in article 40 are foreign fishing vessels. Therefore, foreign fishing boats are those foreign vessels which conduct their activities from a Timorese port or which make at least 50% of their catch within the nation's borders, include Timorese nations as at least 51% of their crew, and fulfill the conditions specified by the relevant regulations.

_

¹²Passed on from the Directory of the Directory of Fishing Inspection—Ministry of Agriculture and FishingLourenço dos Reis Amaralin an interactive debate on Radio Timor-Leste (RTL). 24 February 2017.

¹³ Timor Post, 24 February 2017.



Article 45 n°. 1, which states that national fishing boats can only conduct their activities:

- a) 200 meters from the coastline, for artisan fishing boats;
- b) 3 nautical miles from the coast line, for semi-industrial fishing boats;
- c) 12 nautical miles from the coast line, for industrial fishing boats.

These rules also apply to foreign fishing boats based within the nation, according to article 46. But foreign fishing boats which obtain a license to catch fish in national maritime waters according to article 47 line B must conduct their industrial fishing activities at least 18 nautical miles from the coastline. HLF, according to the license granted by the Minister of Aquaculture and Fishing, must therefore operate at least 18 nautical miles from the coastline.

Furthermore, HLF's capital includes a total investment of US\$20 millionin the first phase (current), in addition to a planned second phase investment of US\$45 million and a third phase investment of US\$45 million.

Article 47 line b specifies that the fishing boats of HLF are foreign fishing boats. Clearly, it is necessary to verify the company's true owner. Hence the investigative team which the government is currently forming must look deeper into the fishing license and determine who the true owner of this company. Even if the company owner is Timorese, the government must verify that at least 51% of the total investiment in the first (current) phase comes from Timorese citizens. As HLF invested US\$20 million in the first phase, Timorese citizens must have provided at least US \$11 million. Therefore, the Minister of Aquaculture and Fishing must determine the name of the Timorese citizen that HLF used to gain the fishing license.

It seems likely that Timorese people were used in order to gain a fishing licensein violation of article 40. This practice is banned by Governmental Law N°. 6/2004, article 30, which statesthat commercial fishing licenses cannot hired out to third parties. Therefore, the applicable rules authorize the government to suspend this company's license.

4. National and international rules protecting shark species

MinisterialDiploma N°. 12/GM/VII/2015, fromJuly 1st provides alist of aquatic species protected by Timorese law. According to this list and the Diplomabetween the Ministry of Aquaculture and Fishing and the Ministry of Commerce, Industry, and Environment, all shark species are protected.¹⁴

However, according to the international convention known as the *Conventions on International Trade in Endangered Species* (CITES) only 8 shark species are

-

 $^{^{14}\}mbox{Ministerial Diploma N}^{\circ}.$ 12/GM/VII/2015, from 1 July, Protected Aquatic Species. AnnexI – List of Protected Aquatic Species.



protected. ¹⁵ Timor-Leste has not ratified the CITES convention. Minister of Agriculture and Fishing Eng. Estanislau da Silva acknowledgedthattheList of Protected Aquatic Species was approved quickly in 2015, without consulting international norms. ¹⁶

Feesfor fishing licenses

Government Decree N°. 2/2005, 6 July, establishesfees for fishing licenses, inspections andrelated services. HLF is in the category of commmercial fishing. Hence the fee for thefishing license which applies according to Annex I is US\$150.00 for 1 ton,in addition tootherrequired fees. The tablebelow outlines the different kinds of licenses that HLF owes to the Timorese government:

Table 03: Feefor Fishing License

No.	Fee type	Fee (US\$)/unit	Total (US\$)		
1.	Granting of fishing	25.00 x 15	375.00		
	license industrial				
2.	Fee per pound offish	150 x 15 x 100 tons	225,000.00		
3.	License Concessionfor	25 x 15 x 225 tons	84,375.00		
	fishing art/GT				
4.	Inspectionbeforeobtain	100 x 15	1,500.00		
	license				
5.	Inspection upon	50 x 15	750.00		
	obtaining license				
6.	Granting	25 x 2	50.00		
	ofexperimental fishing				
	license				
7.	Experimental fishing	200 x 2	400.00		
	license concession				
Total	Total 312,450.00				
Bank Guarantee75,000.00					

Source: Ministry of Fishing and Aquaculture, February 2017

Therefore HLF must pay US\$312,450.00 to Timor-Leste's government. All of thisincludesalready the type of feein the fee for each pound of fish, specifically at total of \$225,000.00 for100 tons of fish. But when the results of fishing activitiesexceed an already determined tonnage, the applicable fee also increases. Hence, all the fish which the Hong Kong Company caught during 3 months—specifically372.4 tonsfrom fee per pound of fish. This means that an increase of 272.4 tons from the tonnage that was already determined. Therefore, thefee paid to the state of Timor-Lesteshould incease by US\$612,900.00. In the same way,the license concessionfor fishing art/GT in the agreement stipulated US\$25.00 per ton

¹⁵Conventions on International Trade in Endangered Species (CITES), Appendix 1 and 2.

¹⁶NotisiaSapo Online, 21 February 2017. Available at: http://noticias.sapo.tl/tetum/info/artigo/1498309.html



for 225 tons, amounting to a US\$84,375.00 fee. However, during thesethree months the catch increased 147.4 tons from the total, meaning that the fee should also increase US\$55,275.00.17

Sanctions for fishing infractions

Article 218 of Timor-Leste's Penal Codestates that poaching endangered species will be punished by a prison sentence of 5 yearsor a fine. Ministerial Diploma No. 6/42/GM/II/2005 defines the fines which apply to fishing infractions, depending on the different categories of infractions:

- 1) The amount fined for fishing without a license can be punished with a minimum fine of US\$25,000.00 and a maximum fine of US\$1,500,000.00. Hence also artisanal fishing can be punished witha minimum fine of US\$2,000.00 and a maximum fine of US \$5,000.00.¹⁸
- 2) Amount fined for explosiveusewith a toxic substance, US\$300.00minimum and US\$100,000,00maximum.19
- 3) Amount fined for coral fishing is US\$500.00 minimum and US\$200,000.00 maximum.²⁰
- 4) Amount fined for committing a grave infractioncan range from US\$500.00 minimum and US\$500,000.00maximum.²¹
- 5) The fine for committing a non-serious infraction can range from US\$1,000.00 minimum to US\$50,000.00 maximum.²²

This report identifies the shark fishing conducted by HLF as a grave infraction. According to Decree Law N°. 6/2004, 21 April 2004 article 157 line c) defines catching a protected species as a grave fishing infraction and line i) does not fulfill conditions which are established in the fishing license.

Hencegrave infractions will be punished with a fine of US\$500.00 minimum and US\$500,000.00maximum.

Deficiencies inflsheries policy

This report also identifies some deficiencies infiisheries policy. The MAFFgranted fishing licenses to HLF and other companies before promulgating regulations thatidentify the fishing zone, fishing governance and development, oreach fisherman's maximum catch.In order to adhere to principles of sustainable

¹⁷This estimation isfromFundasaunMahein (FM) based inthe type offeekontrapartidaikanwith 100 tons according to table 03 number 2 with afee of US\$150.00. The fishing of the Hong Long Fisheries Company during three months resulted in an increase of 272.4 tons. Hence the fee which is paid to the State of Timor-Lesteincreases also already described above.

Ministerial Diploma N°. 6/42/GM/II/2005 Finefor Fishing Infractions, Article 2 Ministerial Diploma N°. 6/42/GM/II/2005 Finefor Fishing Infractions, Article 3 Ministerial Diploma N°. 6/42/GM/II/2005 Finefor Fishing Infractions, Article 4 Ministerial Diploma N°. 6/42/GM/II/2005 Fine for Fishing Infractions, Article 5 Ministerial Diploma N°. 6/42/GM/II/2005 Fine for Fishing Infractions, Article 5

²² Ministerial Diploma N° 6/42/GM/II/2005 Fine for Fishing Infractions, Aritgu 6



exploitation, the government must demand that companies use fishing methods which do notundermine the long-term survivalof species and ecosystems.²³

Furthermore, the MAFFhas yet to define protected zones. The government's effort hasalready established some rules about the fishing zones, protected species, minimum size and weight for fishing and fines for fishing infractions. But it is also important to specify which zones are protected. FM believes these roles should include 1) current natural reserves, adapted to the recuperation of fishing resources; 2) maritime national parks; and 3) marine repopulation zones. Protection of these areas willfavor the recuperation of fishing resources.²⁴

Timor-Leste currently lacks the capacity to monitor fishing activites on the sea. These mechanisms in order to 1) strengthen the observation and control of fishing resources, 2) improve the application of the law, especially regarding combating illegal, undeclared, or unregulated fishing, 3) gather information about fishing activities with the objective of improving sustainable government of the nation's maritime resources, 4) to respectnational obligations and the obligations of other nations related to the practice of responsible fishing.²⁵

The lack of regulations has had a destructive impact on Timor-Leste's marine ecosystems, as witnessed by the 43.6 tons of protected shark species caught by HLFwithin just 90 days. Timor-Leste has yet to establish correct management and monitoring of fishing and protected zones.

Timor-Leste alsohas yet to establish a National Maritime Authority (NMA) could coordinate efforts to strengthen maritime security. Forming aNMAcould provide the basis for important improvements in Timor-Leste's ability to address violations of the laws governing fishing activities.²⁶

Furthermore, this NMA could playan important role in forming an Integrated National Defense System (INDS). The INDSwould configure defense forces, security services and civil authorities into amulti-sector, multidisciplinary, and an effort. Such coordination could help fulfill long-term national security objectives and ensurethe efficient use of resources. Collaboration with the F-FDTL and the PNTL could lead to a comprehensive national security plan. With regards to maritime security, Timor-Leste use all the relevant departments to protect its natural resources, not just the defense forces. At the same time, the current resources of the F-FDTL and PNTL are inadequate for patrolling Timor-

 $^{^{23}\}mbox{See}$ GovernmentDecree N°. 5/2004, 28 JulyGeneral Fishing and Aquaculture Regulation, Articles 6 and 7.

²⁴Seealso Government DecreeLaw N°. 6/2004, 21 April 2004. General Juridical Regime Base for the Regulation of Fishing and Aquaculture, Article 96.

²⁵DecreeLaw N°. 21/2008, from June 25, Satellite system implementation for monitoring fishing.

²⁶DecreeLaw N°. 6/2004, 21 April 2004, General Juridical Regime Base for the Regulation of Fishing and Aquaculture, article 34.

²⁷Law No. 2/2010, National Security Law, article 17, 18 and 19.



Leste's territorial waters, allowing unlicensed operators to violate Timor-Leste's sovereignty and licensed operators to break the country's laws.

Recommendations

FM believes thatthis reportdoes not fully describe the entirety of the infractions committed byHLF during its three months of operation. The government should form an investigative team to produce a more comprehensive report. Therelevant authority inMAFF, and the judiciary should then take appropriate measures in accordance withthe laws of Timor-Leste.

Furthermore, MAFFmust improvepolicy and its capacity to implement it. In addition to bolstering Timor-Leste's sovereingty, these steps will also attract investors who willexpand the fishing sector once they have confidence that their investments will be secure.

Therefore, FM recommends:

- The investigative team which the government is currently forming should also include criminal investigation authorities such as the PNTL, the Anti-Corruption Commission, and the Police Scientific Investigative Criminal Police. This will permit them to examine the processes linked to HLF's license, status, and poaching of protected species.
- 2. Police Criminal Investigative authorities should continue investigating the issues which this report has highlighted.
- 3. The Ministry of Agriculture and Fishingmust improve policy, legislation, and equipment order to develop the fishing sector and protect Timor-Leste's maritime resources.
- 4. The Defense Ministryshould accelerate the creation of the National Maritime Authority(NMA) to establish a coordinated effort to control Timor-Leste's territorial waters.



Bibliography

Decree Law N° . 21/2008, from June 25th, Implementation of the Satellite System for the Monitoring of Fishing Embaracation.

Decree Law N°. 6/2004, 21 April 2004. General Base of the Juridical Regime for the Governance and Regulation of Fishing and Aquaculture

Government Decree N°. 2/2005, 6 July, Establishing Fees for Fishing licenses, inspections andrelated activitiesfor Fishing Activities

Government DecreeN°. 5/2004, 28 July General Regulations on Fishing and Agriculture.

Minister Diploma N° . 11/GM/2015 de 1 de Julho, Minimum Sizes and Weights for Fishing.

Ministerial Diploma N°. 12/GM/2015 from July 1st, Listof Protected Aquatic Species.

Ministerial Diploma N°. 01/03/GM/I/2005 about the Definition of the Fishing Zone.

Ministerial Diploma N^{o.} 6/42/GM/II/2005 Fine for Fishing Infractions.

Conventions on International Trade in Endangered Species (CITES)

Penal Code of Timor-Leste 2009

Law No. 2/2010, Law National security

National Strategic Development Plan (PEDN) 2030