

**THUA THIEN HUE PROVINCIAL FISHERIES ASSOCIATION  
THE VINH HIEN FISH CAGE FISHERIES ASSOCIATION**



**A PROJECT ON LAGOON FISHING RIGHTS  
ALLOCATION TO THE VINH HIEN FISH  
CAGE FISHERIES ASSOCIATION**



**Supported by IMOLA Project**

**Vinh Hien, January 2011**

## TABLE OF CONTENTS

PART 1: LEGAL STATUS AND CAPACITY OF THE VINH HIEN FISH CAGE FISHERIES ASSOCIATION .....	1
1.1 Organization of the Fisheries Association .....	1
1.2 Activities of the FA to date .....	1
1.3 Financial status of the FA .....	1
1.4 Establishment of the lagoon Co-Management Body .....	2
PART 2: STATUS OF WATER SURFACE EXPLOITATION IN THE FA AREA .....	3
2.1 Capture fisheries .....	3
2.2 Aquaculture .....	3
PART 3: GEOGRAPHICAL AREAS PROPOSED FOR FISHING RIGHTS ALLOCATION .....	4
3.1 Legal background .....	4
3.2 Geographic coordinates of the areas to be under fishing rights .....	5
3.2.1 Area proposed for fishing rights allocation to the FA .....	5
3.2.2 Sub-zones for waterways, commune boundary buffers, and lagoon shore buffers .....	6
3.2.3 Sub-zones for fish cage culture .....	6
3.2.4 Sub-zones for mollusc culture .....	7
3.2.5 Sub-zone for spotted babylon culture .....	7
3.2.6 Common fishing sub-zones .....	7
PART 4: PROJECT ON FISHING RIGHTS ALLOCATION AND LAGOON RESOURCES PROTECTION .....	8
4.1 Regulation on lagoon resources management for each sub-zone .....	8
4.1.1 Sub-zones for waterways, commune boundary buffers, and lagoon shore buffers .....	8
4.1.2 Sub-zones for fish cage culture .....	8
4.1.3 Sub-zones for mollusc culture .....	9
4.1.4 Sub-zones for spotted babylon culture .....	9
4.1.5 Common fishing sub-zones .....	9
4.2 Regulation on user fee system .....	11
4.3 Regulation on violation handling .....	12
4.4 Regulation on the patrolling team .....	13
4.5 Regulation on conflict management .....	13
4.6 Coordination with other FA regulations .....	13
4.7 Amendment to this regulation .....	13
PART 5: ACTIVITY PLAN .....	14
5.1 General activity plan and implementation timeframe .....	14
5.2 User registration and fee collection .....	14
5.3 Aquaculture rearrangement .....	14
5.4 Lagoon water surface patrolling .....	15
5.5 Conservation and protection activities .....	15
5.6 Promotional activities .....	15
5.7 Additional benchmarking .....	15
5.8 FA economic activities .....	15
ANNEXES .....	16

## PART 1: LEGAL STATUS AND CAPACITY OF THE VINH HIEN FISH CAGE FISHERIES ASSOCIATION

### 1.1 Organization of the Fisheries Association

The Vinh Hien Fish Cage Fisheries Association (Fish Cage FA) was established on 5 January 2010 by the Decision 01/QD on the establishment of the Vinh Hien Fish Cage Fisheries Association issued by the Provincial Fisheries Association (Annex 1). The Charter of the Vinh Hien Fish Cage FA was approved by the Commune People's Committee following the Decision 08/QD/UB, dated 27 February 2008 (Annex 2).

The Vinh Hien Fish Cage FA covers both capture fisheries and aquaculture. The FA currently has 86 members (as of 20 December 2010) with the five-member Executive Board (Annexes 3 and 4). The FA is divided into three sub-groups based on the operation and geographical area.

### 1.2 Activities of the FA to date

- Organization of the Congress on 16 February 2009
- Zoning of the fish cage sub-zones for sub-groups
- Training and awareness raising: Organization of 10 training courses to improve the awareness for FA members on the aquaculture techniques, and 2 classes on the EB management capacity
- Organization of lagoon clean-up event and lagoon protection like the Earth Day on 22 April 2009
- Demarcation of the seaweed conservation sub-zone
- Organization of traditional festivals like boat racing or fisheries prayer festivals
- Organization of mid-termed conference to evaluate and finalize FA activities and separate the Vinh Hien Aquaculture FA into the Vinh Hien Aquaculture FA and the Vinh Hien Fish Cage FA
- Conduction of water surface zoning in the management scale of the FA

### 1.3 Financial status of the FA

The financial status of the Vinh Hien Fish Cage FA (as of 15 December 2010) is shown in the following table:

no.	Items	Sub-total (VND)
<b>A</b>	<b>Total income</b>	<b>5,670,000</b>
1	FA separation	2,400,000
2	Membership fee	3,200,000
3	Other sources	100,000
<b>B</b>	<b>Total expenditure</b>	<b>1,566,000</b>
1	Sharing 20% of membership for sub-groups	666,000
2	Other items	900,000
<b>C</b>	<b>Balance (A-B)</b>	<b>4,194,000</b>

#### **1.4 Establishment of the lagoon Co-Management Body**

The Lagoon Co-Management (CMB) was established in Vinh Hien Commune on 18 January 2010 to function as the coordination body between the local FAs and the authorities. The detail of the CMB establishment is attached as Annex 5.

## PART 2: STATUS OF WATER SURFACE EXPLOITATION IN THE FA AREA

The Vinh Hien Fish Cage FA has the area of 244 ha, including 222.5 ha of Cau Hai Lagoon and 21.5 ha of Hai Binh Lagoon. The water surface of the FA is connected with the sea so the salinity is high and the aquatic resources are high so the capture and aquaculture activities are diverse.

### 2.1 Capture fisheries

- Capture fisheries of the FA include fixed fishing gears such as bottom nets (*đáy*), lift nets (*rở*), stone fish aggregating device (*chuôm đá*); and mobile fishing gears such as Chinese trap (*lu*), gill nets (*lưới rê*), flashing (*soi*), line fishing (*câu*), and aerial trap (*dạy*)
- Bottom nets: there are approximately 15 units that are violating the waterways and belong to FA members. There are more than 15 bottom nets in the water surface of the FA belonging to FA non-members from Loc Binh Commune
- Lift net: there are 4 lift nets violating the corridors of waterways
- Stone fish aggregating device: There are some shallow dunes in the water surface of the FA, which provides the convenience for stone FAD installation. There are 40 households involved with approximately 3,000 units
- *Lu*: 90 households practice *lu* operation with the average of 100 units
- Gill nets: around 60 households are engaged with around 1,800 units and the estimated length of 90km
- Line fishing involves 25 households who are FA non-members

### 2.2 Aquaculture

- Fish cage culture: there are around 350 fish cages with high economic valued species such as grouper (*cá mú*), giant trevally (*cá vầu*), and snapper (*cá hồng*)
- Spotted babylon (*ốc hương*) culture: at the moment, around 10 households are engaged in this activity with 1 million units of fingerlings. The spotted babylon culture can bring about high income for members but it is risky due to diseases and unstable price. Spotted babylon culture that does not follow the planning will cause environmental pollution in the lagoon and disease occurrence.

The FA is still facing a lot of difficulties as listed below:

- The fishing rights have not been allocated to the FA
- The specific zoning of the water surface has not been defined
- The unawareness of some members in capture fisheries and aquaculture activities has led to the lagoon pollution
- The definition of the water surface between the two FAs; and between Loc Binh and Vinh Hien communes is unclear
- The general management of Hai Phu Lagoon is still unavailable

The status map of capture fisheries and aquaculture (without zoning) is attached as Annex 6.

## **PART 3: GEOGRAPHICAL AREAS PROPOSED FOR FISHING RIGHTS ALLOCATION**

### **3.1 Legal background**

This lagoon fisheries co-management regulation under fishing rights was made pursuant to:

- the Decision 347/QD, dated 23 May 1992, by the Government Committee for Sciences on standards for technical classification of inland waterways
- the Circular 02/2006/TT-BTS, dated 20 March 2006, by the MOFI, guiding the implementation of the Government's Decree 59/2005/ND-CP of 4 May 2005, on production and business conditions of a number of fisheries trades
- the Circular 15/2009/TT-BNN, dated 17 March 2009, by the MARD on the lists of medicines, chemicals and antibiotics which are abandoned or restricted from use in fisheries production and business
- the Letter 1017/BNN-KTBVNL, dated 20 April 2009, by the MARD on enhancement of management of aquatic resources and environment
- the Decree 31/2010/ND-CP, dated 29 March 2010, by the Government on sanctioning of administrative violations in the fisheries domain
- the Circular 20/2010/TT-BNNPTNT, dated 2 April 2010, by the MARD on amendment and supplementation of some items of the Circular 15/2009/TT-BNN, dated 17 March 2009, by the MARD, issuing the list of medicines, chemicals and anti-biotic prohibited or restricted from use
- the Decision 3677/QD-UB, dated 25 October 2004, issued by the People's Committee of Thua Thien Hue Province on the approval of master plan of fisheries management in Thua Thien Hue Lagoon to 2010
- the Decision 4260/2005/QD-UBND, dated 19 December 2005, issued by the People's Committee of Thua Thien Hue Province; the Regulation of fisheries exploitation management in Thua Thien Hue Lagoon
- the Guideline 159/HD-STS, dated 26 April 2006, by the Department of Fisheries of Thua Thien Hue Province on the implementation of fisheries exploitation management in Thua Thien Hue Lagoon
- the letter 2011/UBND-NN, dated 8 May 2009, by Thua Thien Hue Province People's Committee on the enhancement of environmental and aquatic resources protection
- the Letter 4818/UBND-NN, dated 15 October 2009, by the People's Committee of Thua Thien Hue Province on the enhancement of inspection, monitoring and management of Chinese aerial trap (*lu*) in the lagoon
- the Decision 1135/QD-UBND, dated 17 June 2010, by Thua Thien Hue Provincial People's Committee on the plan of removal and rearrangement of stake traps in the lagoon of Phu Loc District in 2010
- the Plan 31/KH-UBND, dated 24 February 2010, by People's Committee of Phu Loc District on stake trap rearrangement in Cau Hai Lagoon, Phu Loc District, Thua Thien Hue Province
- The Plan 18/KH-BCD, dated 28 June 2010, by the Phu Loc DPC Stake trap rearrangement plan on the removal and rearrangement of stake trap in Cau Hai Lagoon, Phu Loc District (phase II), 2010

### 3.2 Geographic coordinates of the areas to be under fishing rights

This section provides exact coordinates and/or maps defining the area to be under fishing rights. Coordinates are provided in Longitude/Latitude in decimal degree under WGS84 unless otherwise noted. See the zoning map in Annex 7.

#### 3.2.1 Area proposed for fishing rights allocation to the FA

The area under the fishing rights allocation for the Vinh Hien Fish Cage FA includes two areas. One area is in the Cau Hai Lagoon while the other is located in the Hai Phu Lagoon as defined in the following tables:

The area for FR in Cau Hai Lagoon is surrounded by the following points and the natural shore line:

Sno.	Marker code	Latitude	Longitude	Note
1	LB-VH1	16.354469	107.919616	
2	LB-VH2	16.353835	107.916418	
3	LB-VH3	16.330388	107.907944	Marker 8
4	F1	16.331137	107.907472	Demarcated marker two FAs
5	F2	16.334994	107.907944	Demarcated marker two FAs
6	F3	16.338850	107.902610	Demarcated marker two FAs
7	F4	16.344569	107.899041	Marker F4

The area for FR in Hai Phu Lagoon is surrounded by the following points and the natural shore line:

Sno.	Marker code	Latitude	Longitude	Note
1	1HP	16.342704	107.943561	Concrete pole
2	2HP	16.341313	107.941617	Concrete pole
3	3HP	16.343693	107.934179	Concrete pole
4	4HP	16.346477	107.929762	Concrete pole
5	5HP	16.353610	107.922859	Concrete pole

Total water surface area proposed to fishing rights allocation to the Vinh Hien Fish Cage FA is 244 ha with the following sub-zones:

**Areas under Each Functional Sub-Zone for the Vinh Hien Fish Cage FA**  
(As of 20 December 2010)

<b>Sno.</b>	<b>Zone</b>	<b>Number of zone</b>	<b>Area (ha)</b>
1	<b>Waterway*</b>	--	<b>27.0</b>
2	<b>Commune boundary buffer</b>	--	<b>40.0</b>
3	<b>Shore buffer</b>	--	<b>36.0</b>
4	<b>Fish Cage FA sub-zones</b>	<b>2</b>	<b>8.0</b>
	• <i>Fish cage sub-zone I</i>	1	3.0
	• <i>Fish cage sub-zone II</i>	1	5.0
5	<b>Mollusk sub-zones</b>	<b>2</b>	<b>4.5</b>
	• <i>Mollusk sub-zone I</i>	1	<b>2.0</b>
	• <i>Mollusk sub-zone II</i>	1	<b>2.5</b>
6	<b>Spotted babylon sub-zone (Hai Phu)</b>		<b>6.0</b>
7	<b>Common fishing sub-zone</b>	<b>2</b>	<b>129.5</b>
	• <i>Common fishing sub-zone A</i>	1	114.0
	• <i>Common fishing sub-zone C (Hai Phu)</i>	1	15.5
8	<b>Total</b>		<b>224.0</b>

\* The waterway is not under the fishing rights.

**3.2.2 Sub-zones for waterways, commune boundary buffers, and lagoon shore buffers**

- Waterways are defined based on the official coordinates provided by the Waterway Division of the Provincial Department of Transport. The width of national waterways is 120m and 100m for Cau Hai Lagoon. Those widths include both core areas (70m for the national routes and 50m for the local routes) and buffer areas for waterways (25m to each side from the core areas) in accordance with the national regulation (Decision 347/QĐ, dated 23 May 1992). The waterway covers 27 ha and is under the management of the Department of Transport
- Commune boundaries are defined with the official coordinates provided by the DPC supplemented by official topographic map at the scale of 1:25,000. Uniform buffer of 150m (75m for one side) was applied throughout Cau Hai in accordance with the district regulation (Plan 88/KH-UBND, dated 31 May 2010). The area of the Town boundaries buffer is 40 ha
- Lagoon shore buffers are defined in accordance with the provincial and district regulations, which require 200m buffer from lagoon shore (Decision 4260/2005/QĐ-UBND, dated 19 December 2005 and Plan 88/KH-UBND, dated 31 May 2010). The lagoon shore buffer covers 36 ha

**3.2.3 Sub-zones for fish cage culture**

There are two fish cage sub-zones with the area of 8 ha, defined by the points in the following tables:

**Fish cage sub-zone I (3 ha)**

Sno.	Marker code	Latitude	Longitude
1	LI.1	16.343198	107.908108
2	LI.2	16.343511	107.907771
3	LI.3	16.347410	107.911667
4	LI.4	16.347097	107.912003

**Fish cage sub-zone II (5 ha)**

Sno.	Marker code	Latitude	Longitude
1	LII.1	16.352916	107.913685
2	LII.2	16.354023	107.912668
3	LII.3	16.356373	107.916785

**3.2.4 Sub-zones for mollusc culture**

The mollusc sub-zones have the area of 4.5 ha and are divided into two mollusc sub-zones, defined by the following tables:

**Mollusc sub-zone I (2 ha)**

Sno.	Marker code	Latitude	Longitude
1	NTI.1	16.344811	107.909070
2	NTI.2	16.345125	107.908733
3	NTI.3	16.347724	107.911330
4	LI.3	16.347410	107.911667

**Mollusc sub-zone II (2.5 ha)**

Sno.	Marker code	Latitude	Longitude
1	NTII.1	16.349451	107.913797
2	NTII.2	16.350267	107.912814
3	NTII.3	16.351476	107.913891
4	NTII.4	16.350650	107.914870

**3.2.5 Sub-zone for spotted babylon culture**

The spotted babylon sub-zone has the area of 6.0 ha, defined by the following points:

Point	Marker code	Latitude	Longitude
1	FB1	16.343315	107.934991
2	FB2	16.344515	107.935538
3	VH-LB2	16.341517	107.942240

**3.2.6 Common fishing sub-zones**

Common fishing sub-zone is in principle all water surfaces that are not covered by any of the above functional sub-zones within Vinh Hien Fish Cage FA area. There are two sub-zones for common fishing. The common fishing sub-zone A belongs to Cau Hai Lagoon with the area of 134 ha, available for mobile fishing and stone fish aggregating device. The other common fishing sub-zone belongs to Hai Phu Lagoon with 15.5 ha, available for gill net and fish cages in Cau Hai Lagoon with low salinity lasting more than one week.

## **PART 4: PROJECT ON FISHING RIGHTS ALLOCATION AND LAGOON RESOURCES PROTECTION**

### **4.1 Regulation on lagoon resources management for each sub-zone**

Each type of functional sub-zone is subject to a particular regulation defining what activities are permitted and in what way. The general principles in the water surface of the Vinh Hien Fish Cage FA are:

- All water surface users with fixed fishing gears shall be members of the Vinh Hien Fish Cage FA with proper registration of their fishing gears and activities for supervision and management under the FA, and with full payment of required user fees
- Non-members of the FA are only allowed to conduct mobile fishing in designated areas upon the proper registration and full payment of user fees under the FA. They are obliged to follow strictly the regulation set forth by the FA
- Fishermen in the water surface of the FA shall not use unknown chemicals for washing *lu* and net without prior verification. Exotic chemicals shall not be released into the lagoon water

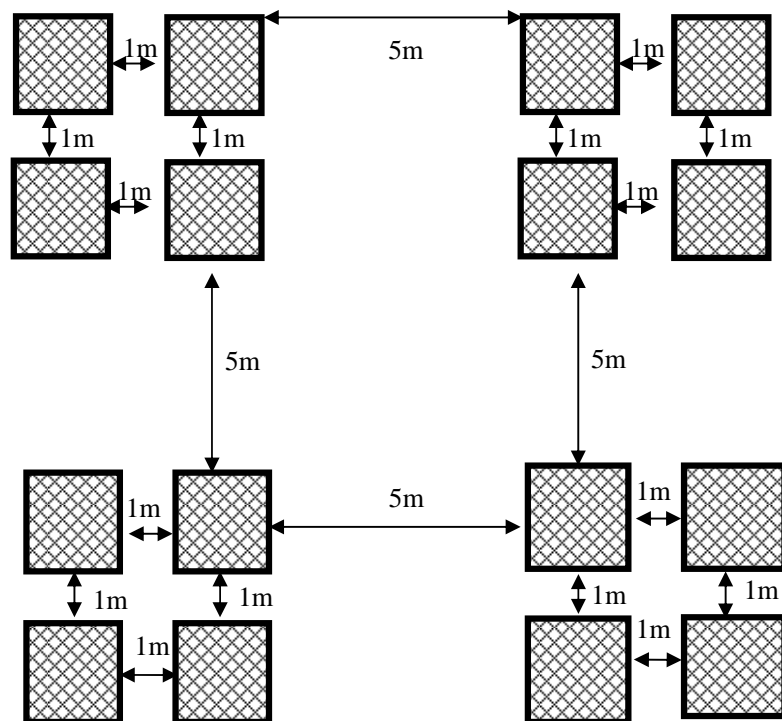
#### ***4.1.1 Sub-zones for waterways, commune boundary buffers, and lagoon shore buffers***

- No capture activities are allowed in waterway sub-zones. The waterway shall be kept free for the smooth operation of boats
- No fixed fishing gears are allowed in commune boundary buffers. This sub-zone shall be kept free of fixed structures to avoid any conflicts related to commune borders
- No fixed fishing gears are allowed in lagoon shore buffers except the bamboo fish aggregating device permitted by the FA. This sub-zone shall be kept free from fixed fishing gears to ensure good water circulation and protection of juvenile fish.

#### ***4.1.2 Sub-zones for fish cage culture***

- All cages shall be located within the designated fish cage sub-zone
- The maximum number of cages that one household is allowed to own shall be 10 units/household
- The total maximum number of cages is 1,000 units of which 600 units belong to fish cage sub-zone I and the other 400 units belong to fish cage sub-zone II
- The standard cage size shall be 2x3x1.5m (widthxlengthxheight)
- The minimum distance between two adjacent cages shall be 1m
- The minimum distance between the two adjacent cage rows shall be 5m
- The minimum distance between the fish cage bottom and lagoon bottom shall be 40cm
- The introduction of new culture species shall be allowed by the Fish Cage FA and competent agencies
- The release of waste into the lagoon bodies shall not be allowed

The example layout of cages:



#### 4.1.3 Sub-zones for mollusc culture

- These sub-zones are for spotted babylon and bivalve culture such as metrix metrix (*trìa mỗ*) and clam
- The total number of cages shall be 150 units
- The maximum area of one cage shall be 50m<sup>2</sup>, equivalent to the maximum size of 5x10m and the height of 1-2m in accordance with the depth
- FA members shall comply with the seasonal calendar released by state agencies
- The minimum distance between two adjacent cages shall be 5m
- The test on the fingerling quality shall be done before stocking

#### 4.1.4 Sub-zones for spotted babylon culture

- These sub-zones are exclusive for spotted babylon culture
- The maximum number of cages shall be 100 units
- Specific regulations for spotted babylon culture are the same as for mollusk culture

#### 4.1.5 Common fishing sub-zones

- FA members and non-members are allowed to undertake mobile fishing in the common fishing sub-zones upon full payment of user fees and strict compliance with the FA regulation
- FA members and non-members paying full user fee to the Vinh Hien Fish Cage FA are allowed to operate in the common fishing sub-zone B of Vinh Hien Lagoon FA as well.
- FA members and non-members paying full user fee to the Vinh Hien Lagoon FA are allowed to operate in the common fishing sub-zone A of Vinh Hien Fish Cage FA as well.

- FA members and non-members of the Loc Binh 3 FA who paid regulated fee for mobile fishing to the Loc Binh 3 FA are allowed to undertake mobile fishing (except *lu*) in the common fishing sub-zone C of the Vinh Hien Fish Cage FA without additional payment of user fees to the Vinh Hien Fish Cage FA
- Although non-FA members are allowed to practice mobile fishing in the common fishing sub-zone, the priority shall be given to FA members when there is *lu* number reduction in the future
- At the end of the year, the income will be reported to the co-management body and divided into the two FAs based on the number of registered entrances on the water surface of each FA

#### **4.1.5.1 Common fishing sub-zone A**

The common fishing sub-zone A is open for stone fish aggregating device and mobile fishing gears such as *lu*, gill net, flashing, line fishing and aerial trap. The specific stipulations are as follows:

##### ***a. Stone fish aggregating device***

- No further expansion of stone FADs shall be allowed
- The maximum size of an FAD shall be 1.5m<sup>2</sup>
- The minimum distance between two adjacent FADs shall be 5m
- The maximum number of FADs shall be 30-50 units/household
- The maximum harvest frequency shall be 10 times per year
- The stone FAD shall be installed in shallow areas (that have the depth from the water surface to the lagoon bottom not exceeding 1.2m)

##### ***b. Lu***

- The maximum number of *lu* units for those who practice only *lu* shall be 60 units/household<sup>1</sup>
- The maximum number of *lu* units for those who practice *lu* and other gears (except stake traps) shall be 30 units/household<sup>2</sup>
- The maximum length of one *lu* unit shall be 10m
- The minimum mesh size of *lu* nets shall be 2a=18mm
- The size of the rectangular iron frame shall be 34cm (width) and 22cm (height)
- *Lu* shall not be installed in the location with the water depth of less than 0.8m
- *Lu* shall have a noticing buoy in the day time and a light buoy in the night time for easy identification on the water

##### ***c. Gill net***

- The maximum number of gill nets for those who only practice gill nets shall be 30 units/household

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<sup>1</sup> This is the temporary stipulation and this will be in accordance with the Provincial or district regulations

<sup>2</sup> This is the temporary stipulation and this will be in accordance with the Provincial or district regulations

- The maximum number of gill nets for those who practice gill nets and other gears shall be 20 units/household
- The maximum length of one wing (which is defined as the length from one buoy to another or the length between two adjacent points of junction in a net) shall be 50m
- The minimum mesh size for gill nets shall be  $2a=40\text{mm}$

**d. Aerial trap**

- One household shall own only 1 unit
- The diameter of one aerial trap shall not exceed 50m

**e. Flashing and line fishing**

Flashing and line fishing shall stay at least 15m from aquaculture and stone FAD sub-zone

**4.1.5.2 Common fishing sub-zone C**

- The common fishing sub-zone C is open for mobile fishing gears including gill nets, flashing, and line fishing

**a. Gill net**

- The number shall be 20 units for those practicing only gill nets and 10 units for those practicing other gears
- The maximum length of each net shall not exceed 50m
- The maximum number of entrances per night shall not exceed 5 households
- The minimum net mesh size of gill net shall be  $2a=40\text{mm}$

**b. Flashing and line fishing**

Flashing and line fishing shall stay at least 15m from the aquaculture areas.

- Besides, fish cages in areas with low salinity for a long time are allowed to be moved temporarily to this common fishing sub-zone with the in-advance FA permission.

**4.2 Regulation on user fee system**

Gear	User fee (VND/year)		Note
	Member	Non-member	
<b>Cage</b>	10,000/cage	Not allowed	
<b>Spotted babylon</b>	10,000/cage	Not allowed	
<b>Lu</b>			
Household with only <i>lu</i>	300,000/household	600,000/ household	
Household with other gears	150,000/ household	300,000/ household	
<b>Gill net</b>			
Household with only gill nets	120,000/ household 60,000/household	240,000/household 120,000/household	
Household with other gears			

Gear	User fee (VND/year)		Note
	Member	Non-member	
Flashing	30,000/household	60,000/household	Hai Phu Lagoon
Line fishing			
Gill net	50,000/household	Not allowed	
Flashing	30,000/household	Not allowed	
Line fishing			

- FA members shall pay user fee directly to the FA before operating any capture and/or aquaculture activities
- The FA will collect the user fee quarter 1 every year
- The validity of fishing certificate under the user fee shall be one year from the day of the payment
- The income from the above user fee shall be used solely for the FA operation and administration and lagoon management activities. 80% of the collected user fee will be saved as an FA fund and 20% will be paid to CPC for the purpose of lagoon management
- The income from mobile fishers including gill nets, flashing, and line in Hai Phu Lagoon fishing shall be the common fund for the Loc Binh 3 FA and the Vinh Hien Fish Cage FA for the common lagoon management by the two FAs
- The financial report for each year shall be prepared by the FA EB including the detail of the income, expenditure, and remaining funds in the FA
- FA shall prepare and present the annual budget plan for the following year by the end of the year and get it approved by the FA members through a large meeting or congress
- The above fee system is subject to change every year according to the decision in the FA congress or agreed in the FA large meeting

#### 4.3 Regulation on violation handling

- When detecting violations in the water surface of the Vinh Hien Fish Cage FA, the Fish Cage FA and the patrolling team shall write a minute and temporarily keep the gears, and aquaculture facilities as a punishment
- The violating fishing gears and aquaculture facilities shall be temporarily kept by the FA or lagoon patrolling team without any prior notice to the owners

The FA shall protect temporarily kept facilities if authorized by the CPC; and violators shall pay maintenance fee upon return of the gears

Handling of confiscated fishing gears and aquaculture facilities as well as level of violation fines shall be determined based on the following principles:

- a) If the violation falls under the Law, and if administrative sanctions are to be applied, the fine level shall follow the ones prescribed in the Decree 31/2010/ND-CP, stipulating the sanctioning of administrative violation in the aquatic resource domain
- b) Other violations shall be handled locally by the FA and CPC, based on the following principles:
  - i) For the first violation, the patrolling team will write the fining minute and give warning in front of the FA sub-group

- ii) For the second violation, the patrolling team will write the fining minute and the violator shall pay VND50,000 to be added to the FA fund. *Lu* operators that violate shall pay VND100,000 to the FA fund
  - iii) For the third violation, the patrolling team will write the fining minute and send the case to Vinh Hien CPC for handling by law, and violating members will be excluded from membership
- c) These rules will be also applied to non-FA members. For the third violation, the fining minute will be written and the case will be sent to Vinh Hien CPC for handling by law, and violators will be excluded from practicing in the water surface of the FA
- d) The serious violation will be submitted to higher level for solution
- e) All violation cases shall be reported to CMB in its regular meetings

#### **4.4 Regulation on the patrolling team**

The patrolling team shall:

- Operate under the coordination of the FA Executive Board
- Follow the deployment of the patrolling team head when there is a patrolling request
- Ensure the secret, timeliness, and right place with necessary tools and equipment
- Wear the red armbands when doing the patrolling
- Comply with the regulations and charter of the FA and the State laws and policies
- Abide by the above-mentioned stipulations -- violations over three times will result in the exclusion from patrolling team membership with the dismissal minute sent to the Town PC and the Town co-management body for the final decision and election of new members to the patrolling team

#### **4.5 Regulation on conflict management**

Any conflict within the capacity of the FA shall be solved by the FA in accordance with the charter and regulations of the FA. Any conflict that the FA considers to be beyond the existing capacity of the FA to solve shall be referred to the CPC for solution, or to higher authorities to be solved in accordance with the laws.

#### **4.6 Coordination with other FA regulations**

If there is any conflict or inconsistencies found between this regulation and the other existing FA regulations, this document supersedes the others.

#### **4.7 Amendment to this regulation**

Any necessary amendment to this regulation can be proposed by the FA, CPC, or any other relevant authorities. The amendment shall be made upon the agreement of five parties, namely the Vinh Hien Fish Cage FA, Vinh Hien CPC, Loc Binh 3 FA, Loc Binh CPC, and Phu Loc DPC.

## PART 5: ACTIVITY PLAN

This part provides the detail of the specific actions after the fishing rights is allocated to the FA. This section includes specific, time-bound activities including initiation (registration and fee collection), monitoring and enforcement (patrolling), conservation efforts, promotion activities, and others.

### 5.1 General activity plan and implementation timeframe

The expected duration of fishing rights in Vinh Hien is five years according to the Decision 3677/QD-UB. The estimated timing of each activity (described in detail in the following sections) is as follows:

Activity	2011	2012	2013	2014	2015	Implementers
User registration and fee collection	1-12	1-12	1-12	1-12	1-12	FA
Income calculation and sharing for mobile user fee under CMB	12	12	12	12	12	FAs, CPC
Aquaculture rearrangement in accordance with the zoning plan of the FA	1-12					FA, CPC
Lagoon water surface patrolling	1-12	1-12	1-12	1-12	1-12	FA, CPC
Lagoon clean-up	2/yr	2/yr	2/yr	2/yr	2/yr	FA, CPC
Fingerling stocking into the lagoon (stock re-enhancement)	1/yr	1/yr	1/yr	1/yr	1/yr	FA, CPC
Promotional activities	1-12	1-12	1-12	1-12	1-12	FA, CPC
Additional benchmarking	1-12					FA
FA economic activities	1-12	1-12	1-12	1-12	1-12	FA
Renewal of fishing rights					11-12	FA, CPC and District DARD

### 5.2 User registration and fee collection

The users will be initially registered under the FA with the necessary user fee payment within three months from the fishing rights allocation although user registration is a continuous process being undertaken throughout a year. Upon the allocation of fishing rights, a large meeting will be organized to announce the user fee system to entire FA members for the promotion of registration and fee payment. The effort will be also made to inform non-members of the existence of and obligation for user registration and fee payment. Fee payers will be issued with fishing certificates.

### 5.3 Aquaculture rearrangement

Aquaculture rearrangement is foreseen in January 2011 in accordance with the zoning plan as in this regulation.

#### **5.4 Lagoon water surface patrolling**

The Vinh Hien Fish Cage FA will elect one patrolling team consisting of 7 members including 6 FA members and 1 policeman. Upon the allocation of fishing rights, the team will undertake the patrolling twice per month on irregular basis with close collaboration with CPC. The patrolling schedule shall not be announced publicly to ensure the effectiveness of patrolling activities.

#### **5.5 Conservation and protection activities**

Upon allocation of the fishing rights, the FA will undertake biannual lagoon clean-up twice per year with full participation of FA members and local schools to raise the awareness of members on the environmental protection.

The FA will also conduct fingerling stocking into the lagoon (fish stock re-enhancement) at least once a year to maintain the fish population in the lagoon. Fish species to stock will be determined every year in consultation with relevant parties. Exotic species shall be avoided for this purpose.

#### **5.6 Promotional activities**

The Vinh Hien Fish Cage FA has been mobilizing people in the area and organizing a series of meetings and events to publicize the FA, its activities, and regulations. Upon the fishing rights allocation, the following efforts will be made to increase the awareness of the local fishers and resource users:

- Organization of FA large meetings and training sessions
- Annual traditional fishers' festival
- Biannual lagoon clean-up event
- Distribution of flyers for awareness raising for lagoon conservation and importance of FA
- Installation of sign boards and/or posters in highly-densed residential areas on banned chemicals, illegal fishing activities, protected species, harvestable fish size, and FA zoning and regulations
- Information dissemination through loud speakers and, if possible, through radio and/or TV

#### **5.7 Additional benchmarking**

Fish cage sub-zones as specified in this document will be demarcated with concrete, wood or bamboo poles in January of 2011.

#### **5.8 FA economic activities**

Other economic activities will be planned with specific timelines for each activity to enhance the income of the FA for lagoon management, and increase the benefit to the FA members.

## **ANNEXES**

1. PFA decision for FA establishment
2. FA charter
3. FA member list
4. FA EB member list
5. Decision on Co-Management Body establishment
6. Status Map of fishing gears and aquaculture
7. Zoning map of FA area (including functional sub-zones)

**On behalf of the Vinh Hien Fish Cage  
FA  
Chairman**

**On behalf of Vinh Hien CPC  
Chairman**

**Le Thiet**

**Technical supporting agency  
IMOLA Project  
Chief Technical Advisor**

**Massimo Sarti**



# BẢN ĐỒ CẤP QUYỀN KHAI THÁC THỦY SẢN CHNC ĐÀM PHÁ VINH HIỀN VÀ CHNC NUÔI CÁ LÒNG VINH HIỀN XÃ VINH HIỀN



CHNC Đầm Phá Vinh Hiền  
Trần Xuân Tâm

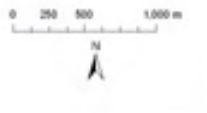
CHNC Nuôi Cá Lòng Vinh Hiền  
Lê Thế

UBND Xã Vinh Hiền

Phòng NH&PTNT Huyện Phú Lộc

Phòng TH&MT Huyện Phú Lộc

Ủy Ban Nhân Dân Huyện Phú Lộc



# BẢN ĐỒ CẤP QUYỀN KHAI THÁC THỦY SẢN CHNC ĐÀM PHÁ VINH HIỀN VÀ CHNC NUÔI CÁ LÒNG VINH HIỀN XÃ VINH HIỀN



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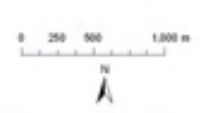
CHNC Nuôi Cá Lòng Vinh Hiền  
Lê Thế

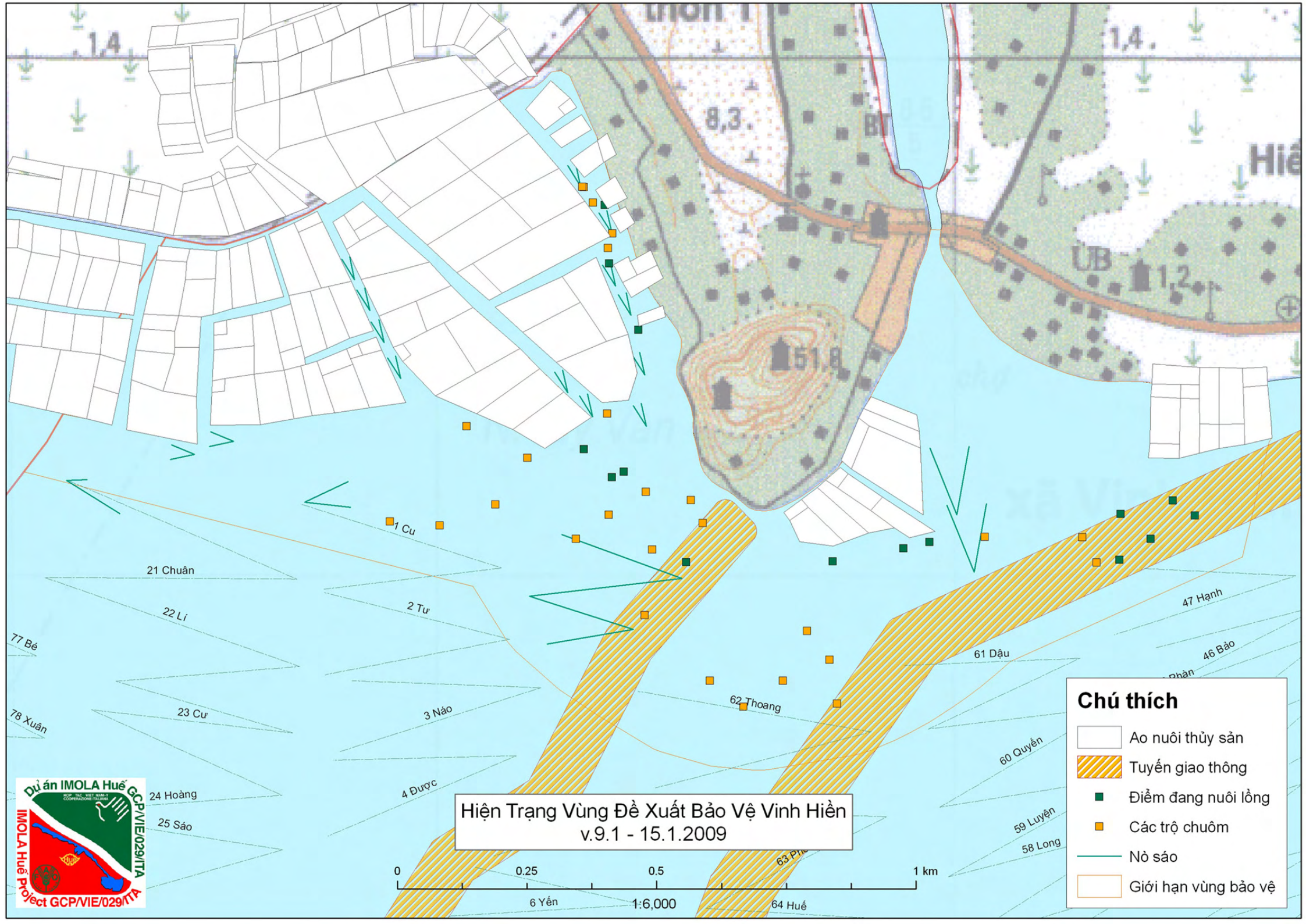
UBND Xã Vinh Hiền

Phòng NH&PTNT Huyện Phú Lộc

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**Hiện Trạng Vùng Đề Xuất Bảo Vệ Vinh Hiền**  
v.9.1 - 15.1.2009

- Chú thích**
- Ao nuôi thủy sản
  - Tuyến giao thông
  - Điểm đang nuôi lồng
  - Các trộ chườm
  - Nò sáo
  - Giới hạn vùng bảo vệ

