

**THUA THIEN HUE PROVINCIAL FISHERIES ASSOCIATION
THE PHU LOC TOWN FISHERIES ASSOCIATION**



**A PROJECT ON LAGOON FISHING RIGHTS
ALLOCATION TO THE PHU LOC TOWN
FISHERIES ASSOCIATION**



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PART 1: LEGAL STATUS AND CAPACITY OF THE PHU LOC TOWN FISHERIES ASSOCIATION

1.1 Organization of the Fisheries Association

The Phu Loc Town Fisheries Association (FA) was established on 16 April 2009 by the Decision 45/QD on the establishment of the Phu Loc Town Fisheries Association issued by the Provincial Fisheries Association (Annex 1). The Charter of the Phu Loc Town FA was approved by Phu Loc Town People's Committee (PC) following the Decision 34, dated 5 June 2009 (Annex 2).

The Phu Loc Town FA covers both aquaculture and capture fisheries. The FA currently has 182 members (as of 21 March 2010) with 6 sub-groups divided based on the residential areas of which sub-groups 1-4 include members from areas 1-4; sub-group 5 consists of members from Da Bac of the Phu Loc Town, and Vinh Hien Commune while sub-group 6 involves members from Loc Dien Commune with the seven-member Executive Board (Annexes 3 and 4).

1.2 Activities of the FA to date

- Organization of the Congress on 28 July 2009
- Development of regulation and plan for lagoon management
- Training and awareness raising: Organization of some study tours for some FA members to other FAs and four classes for Executive Board member capacity building
- Identification of coordinates and sub-zones: stake trap sub-zones, fish cage sub-zone, FAD sub-zones, and common fishing sub-zone
- Gear rearrangement: support given to the Phu Loc Town in the stake trap rearrangement

1.3 Financial status of the FA

2009

Unit: VND

A	Gross income:	5,070,000
B	Expenditure	2,070,000
C	Balance: (A-B)	3,000,000

2010

A	Balance from 2009	3,000,000
B	Membership fee (quarters 1 and 2)	5,000,000
C	Total expenditure (as of middle of 2010): A+B	8,000,000

1.4 Establishment of the lagoon Co-management Body

The Lagoon Co-Management Body (CMB) was established in the Phu Loc Town on 8 April 2010 to function as a coordination body between the local FA and the authorities. The detail of the CMB is attached as Annex 5.

PART 2: STATUS OF WATER SURFACE USE IN THE FA AREA

The lagoon water surface of the Phu Loc Town FA is 1,204ha. The FA members are engaged in different fisheries activities including both fixed gear and mobile gear fishing or both capture and aquaculture activities.

- There are 58 stake trap units; 55 stake trap households have registered the membership while 3 households are non-FA members
- There are 105 *lu* households with 8,221 units; 115 gill net (*lưới bạc*) households with 3,830 units with the average length of 50m; 5 aerial trap (*dây*) households, 5 FAD households with 18 FAD (fish aggregating device, *chuôm*) and 3 pull net (*lưới lồi*) households (as illegal fishing)
- Aquaculture activities consist of shrimp and brackishwater fish cage culture. There are 5 shrimp households and 16 brackishwater fish households with 33 cages in total.

Despite the initial attention paid to the management of the lagoon water surface of the Phu Loc Town FA, the FA is still facing the following difficulties:

- The water surface under the management of the FA is large (the Phu Loc Town has only one FA). Fishermen of Loc Dien and Vinh Hien communes practice their activities in the water surface of the Phu Loc Town FA. The operation of the FA is still restricted due to the large distribution of fishermen in the lagoon areas of Phu Loc Town
- The awareness of the FA members in compliance with the regulations is still low
- Demarcation for different sub-zones is unclear
- Conflicts occur among activities in the lagoon; and the needs of local fishermen are not always promptly responded
- Capture fisheries do not go in line with lagoon resource protection, endangering fishermen's future life
- *Lu* is expanding fast in terms of number of households, number of units/household and the application of too small net mesh size in *lu* is the cause for over-exploitation
- Some illegal practices are still existing
- Fishing rights have not been allocated to the FA
- Limited budget for the operation
- Lack of patrolling facilities

The status map of 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 and 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
- the Letter 1017/BNN-KTBVNL, dated 20 April 2009, by the Ministry of Agriculture and Rural Development on enhancement of management of aquatic resources and environment and the Letter 2011/UBND-NN, dated 08 May 2009, by the People's Committee of Thua Thien Hue Province on enhancement of management of aquatic resources and environment
- the Decree 31/2010/ND-CP, dated 29 March 2010, by the Government on the promulgation of administrative fining in the fisheries domain
- the Decision 3677/QD-UB, dated 25 October 2004, 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, by the People's Committee of Thua Thien Hue Province on enactment of the Regulation on management of capture fisheries in Thua Thien Hue Lagoon
- the Guideline 159/HD-STTS, 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 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 proposed for fishing rights allocation to the Phu Loc Town FA is defined as the area surrounded by the following points and natural lagoon shore lines:

Sno.	Point	Longitude	Latitude	Note
1	001	107.838893	16.288477	On the land
2	002	107.838583	16.290806	Boundary marker of Loc Dien and Phu Loc Town
3	003	107.832944	16.326500	Boundary marker of Vinh Giang, Vinh Hung, Loc Dien and Phu Loc Town
4	004	107.855500	16.317083	Boundary marker of Loc Tri, Vinh Hien, Vinh Giang and Phu Loc Town
5	005	107.877861	16.281417	Boundary marker of Loc Tri and Phu Loc Town
6	006	107.879493	16.278694	On the land

The total water surface of the lagoon for fishing rights allocation of the Phu Loc Town FA is **1,130ha** with the following sub-zones:

Areas under Each Functional Sub-zone for the Phu Loc Town FA

(as of 15 July 2010)

Sno.	ZONE	NUMBER OF ZONES	AREA (ha)
1	Sub-zone for waterway*	--	74
2	Sub-zone for commune boundary	--	83
3	Sub-zone for shore buffer	--	136
4	Sub-zone for fish cage culture	1	3
5	Sub-zones for FAD	2	86
7	Sub-zones for stake traps	8	198
8	Sub-zone for common fishing	--	624
	TOTAL		1,204

* Waterway is not included in the fishing rights.

3.2.2 Sub-zones for waterways, town 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 that of local waterways is 100m in Cau Hai. 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/QD, dated 23 May 1992). The waterway covers 74ha 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 83ha
- Lagoon shore buffers are defined in accordance with the provincial and district regulations, which require 200m buffer from lagoon shore in the Phu Loc Town (Decision 4260/2005/QD-UBND, dated 19 December 2005 and Plan 88/KH-UBND, dated 31 May 2010). The lagoon shore buffer covers 136ha

3.2.3 Sub-zone for fish cage culture

The fish cage sub-zone covers 3ha, surrounded by the following points:

No.	Code	Longitude	Latitude	Note
1	011	107.861921	16.283631	FAD and fish cage sub-zone boundary point
2	012	107.862649	16.284203	FAD and fish cage sub-zone boundary point
3	015	107.861317	16.286581	Fish cage sub-zone boundary point
4	014	107.860650	16.285915	Fish cage sub-zone boundary point

3.2.4 Sub-zones for FAD

There are two sub-zones with the area of 86ha in total. Each sub-zone is surrounded by the following points:

FAD sub-zone 1: 60ha

Sno.	Point	Longitude	Latitude	Note
1	007	107.877439	16.280769	FAD sub-zone boundary point
2	008	107.875971	16.279151	FAD sub-zone boundary point
3	009	107.873153	16.278958	FAD sub-zone boundary point
4	010	107.867149	16.278058	FAD sub-zone boundary point
5	011	107.861921	16.283631	Boundary marker of FAD and fish cage sub-zones
6	012	107.862649	16.284203	Boundary marker of FAD and fish cage sub-zones
7	013	107.876935	16.281586	FAD sub-zone boundary point

FAD sub-zone 2: 26ha

Sno.	Point	Longitude	Latitude	Note
1	016	107.850211	16.293677	FAD sub-zone boundary point
2	017	107.850388	16.292269	FAD sub-zone boundary point
3	018	107.849201	16.290654	FAD sub-zone boundary point
4	019	107.845698	16.288086	FAD sub-zone boundary point
5	020	107.842999	16.288737	FAD sub-zone boundary point
6	021	107.843971	16.291431	FAD sub-zone boundary point

3.2.5 Sub-zones for stake traps

There are 8 rows of stake traps as in the attached map (see Annex 7). Without concrete poles, traps and ends of wings serve as markers for the row identification. The sub-zones include 20m buffer from stake traps (see the Diagram in Section 4.1.4). The stake-trap sub-zones cover an area of 198ha.

3.2.6 Sub-zone for common fishing

Common fishing sub-zone is in principle all water surfaces that are not covered by any of the above functional sub-zones. Common fishing sub-zone is open for mobile fishing gears as regulated by the FA. The common fishing sub-zone is shown in the map (Annex 7) with an area of 624ha.

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

4.1 Regulation on lagoon resources management for each sub-zone

Each type of functional sub-zones is subject to a particular regulation defining what activities are permitted and in what way. The general principles in the Phu Loc Town FA water are:

- All water surface users with fixed fishing gears and/or aquaculture facilities shall be members of the Phu Loc Town 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/aquaculturists 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.

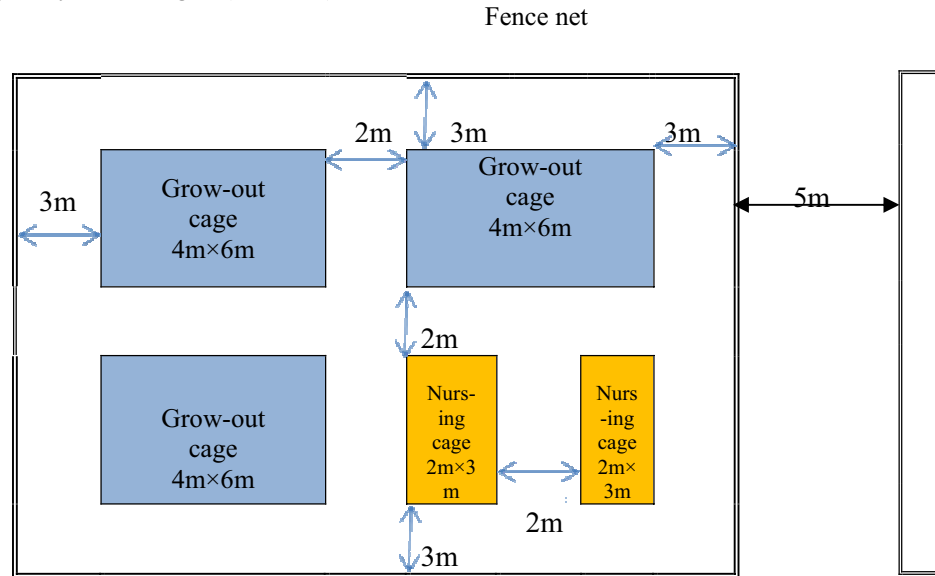
4.1.1 Sub-zones for waterways, town boundary buffers, and lagoon shore buffers

- No aquaculture and capture activities are allowed in waterway sub-zones. The waterway shall be kept free for the smooth operation of boats
- No aquaculture activities and fixed fishing gears are allowed in the town boundary buffers. This sub-zone shall be kept free of fixed structures to avoid any conflict related to the town 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-zone for fish cage culture

- The fish cage culture sub-zone shall be an exclusive area for fish cage culture
- All cages shall be located within the designated fish cage sub-zone
- One household shall be entitled to own up to 4 grow-out cages. A space for a grow-out cage can be alternatively used to accommodate up to 2 nursing cages. In such case, the number of grow-out cages shall be reduced accordingly. The priority shall be given to those without stake traps or those shifting from illegal fishing to fish cage culture
- The cage size shall be 4mx6m for one grow-out cage and 2mx3m for one nursing cage

The example layout of cages (one row):



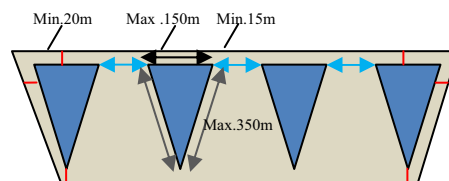
- The minimum distance between two adjacent grow-out/nursing cages of the same household shall be 2m
- The fence net shall be 3m from the grow-out/nursing cage and the maximum width of the fence net from the water surface to the bottom shall be 30cm (in order not to cause obstruction to the water flow); the minimum fence net mesh size shall be $2a=18\text{mm}$
- The minimum distance between the two adjacent fence nets shall be 5m
- The minimum distance between the two adjacent cage rows shall be 20m
- The minimum distance from one cage bottom to the lagoon bottom shall be 30cm
- The cage material shall be nylon nets or silk thread net (*lưới cước*)
- The culture species shall include grouper (*cá mú*), red snapper (*cá hồng*), seabass (*cá chẽm*), orange-spotted rabbit fish (*cá kình*), and permitted species by the governmental technical agencies
- The stocking density shall be in line with the guidance of the technical agencies (e.g. the Centre of Agriculture, Forestry and Fisheries Extension)
- The remained feed shall not be left in cages to avoid environmental pollution
- The utilization of trash fish shall be discouraged and a new kind of substituting feed shall be introduced
- The use of raw trash fish/undercooked feed shall be discouraged to avoid water pollution and disease spread
- The waste including plastic bags, old nets, and others shall be taken back to the land, and shall not be dumped into the lagoon water
- The release of rubbish into the lagoon water bodies causing environmental pollution shall not be allowed
- Diseases occurrence shall be informed within 12 hours to the fish cage management groups and the FA for handling
- The use of banned and exotic chemicals that have not been verified shall not be allowed (see Circular 15/2009/TT-BNN on the issue of list of medicines, chemicals and antibiotics that are prohibited or restricted from use).

4.1.3 Sub-zones for FAD

- Only bamboo FAD and mobile fishing are allowed in the FAD sub-zones (for stipulations for distance of mobile fishing gear operation, see Section 4.1.5)
- The priority shall be given to households that volunteer to remove their stake traps during the the second gear rearrangement (2010) or have been practicing FAD for a long time, or shift from illegal fishing to FAD practicing
- The priority shall be given to households who are relocating their FAD from the stake trap sub-zones to the two planned FAD sub-zones
- The maximum number of FAD in the planned FAD sub-zones shall be 22 units in total (maximum 15 units for sub-zone 1 and 7 units for sub-zone 2)
- The FAD installation shall be away from the waterways, aquaculture canals, fishing vessels or fishermen boat piers
- One household cannot own more than 1 FAD
- The maximum size of an FAD shall be 120m²
- The minimum distance between two adjacent FAD shall be 200m
- FAD layout: The minimum distance between two adjacent bamboo or wooden pole shall be 40cm
- The minimum net mesh size for harvest shall be 2a=18mm
- The minimum frequency of two harvests shall be once per 3 months
- Pregnant fishes shall be released back to the lagoon

4.1.4 Sub-zones for stake traps

- The stake trap sub-zones are exclusive areas for stake traps
- The maximum length of a stake trap wing shall be 350m (one wing)
- The maximum width of a stake trap mouth shall be 150m
- A stake trap shall have a V shape, i.e., only two wings
- Two adjacent stake traps cannot share a common wing
- The minimum distance between two adjacent stake traps of the same row shall be 15m
- The minimum distance between two adjacent rows shall be 150m
- The minimum net mesh size shall be 2a = 18 mm
- The minimum distance from each stake trap to the shore shall be 200m
- All capture fisheries and aquaculture activities shall stay at least 20m from stake traps (as a stake trap is defined as a triangle created by a trap and two wings – see the following Diagram)



- The total number of stake traps shall be reduced from current 58 to 32 in line with the Decision 1135/QD-UBND, dated 17 June 2010, by Thua Thien Hue Province. The actual reduction is from 58 to 31 units (-47%)
- Households that are supported with livelihood shifting, or have their stake traps reallocated are not allowed to undertake *lu* operation

- The number of stake traps permitted in each stake trap zone is as follows:

Sub-Zone ID	Permitted Stake Trap Units
NS1*	10
NS2	8
NS3	6
NS4	1
NS5	2
NS6	1
NS7	2
NS8	1
TOTAL	31

*NS: stake-trap sub-zone

4.1.5 Sub-zone for common fishing

- The common fishing sub-zone of the Phu Loc Town FA is an exclusive area for mobile fishing; no fixed fishing gears and aquaculture facilities are permitted in this sub-zone
- Although non-members are allowed to practice mobile fishing in this sub-zone, the priority shall be given to FA members when there is a need of *lu* number reduction in the future
- The permitted mobile gears include *lu*, gill net, aerial trap, hand seine net (pull net), aerial trap and flashing without electricity (*soi*). These gears shall stay at least 20m away from stake traps, 30m away from the FAD sub-zones, and 30m away from *cage* sub-zones

a. *Lu*

- The maximum number of *lu* units for those who practice only *lu* shall be 80 units/household¹
- The maximum number of *lu* units for those who also practice other gears (except stake traps) shall be 40 units/household²
- The maximum length of each *lu* unit shall be 10m
- The minimum mesh size of *lu* nets shall be $2a=18\text{mm}$
- The size of one rectangular iron frame shall be 34cm (width) and 22cm (height)
- *Lu* shall not be installed in the location with 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
- Households that have registered their *lu* or *lu* number at the FA by August 2010 without any further expansion

b. Gill net

- The maximum number of gill nets for those who only practice gill nets shall be 40 units/household

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

² 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 also practice other mobile gears shall be 20 units/household
- The maximum length of each wing shall be 50m
- The minimum mesh size for gill nets shall be $2a=40\text{mm}$

c. Hand seine net (pull net)

- No mechanized machine shall be used in pull net operation
- One household is allowed to operate up to 1/2 net unit (a net unit has the maximum length of 700m)
- The minimum net mesh size (ending part) shall be $2a=18\text{mm}$
- Pull net shall be operated only in the day time

4.2 Regulation on user fee system

a. User fee level for FA members

Gears		User fee (VND/year)	
		Fee level	Maximum permitted number of gears
Fish cage		10,000/grow-out cage or two nursing cages	4 grow-out cages/household
Stake trap		100,000/household	1 unit/household
FAD		100,000/household	1 unit/household
Lu	Household with only <i>lu</i>	100,000/household	80 units/household
	Household practising other gears (not stake traps)	50,000/household	40 units/household
Gill net	Household with only gill nets	30,000/household	40 units/household
	Household practicing other gears	15,000/household	20 units/household
Aerial trap		30,000/household	-
Flashing without electricity		30,000/household	-
Hand seine net (pull net)		100,000/household	1/2 net/household

b. User fee level for non-FA members

- Non-FA members practicing mobile fishing in the water surface of the FA shall pay user fee either annually or monthly
- The yearly user fee level shall be 200% of the resource user fee for FA members
- The monthly user fee shall be VND50,000/month/entry

c. Regulation on the user fee collection

- The FA will collect the user fee every year from June to August (solar calendar) for FA members
- Non-FA members shall pay fees directly to the FA before starting fishing activities in the water surface of the FA
- 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, 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 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
- The 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

4.3 Regulation on violation handling

- The FA as well as lagoon patrolling team has rights to temporarily keep fishing gears and aquaculture facilities for submission to Phu Loc Town People's Committee when the violation of management rules is detected in the Phu Loc Town FA area
- The violating fishing gears and aquaculture facilities can be temporarily kept by the FA or lagoon patrolling team without any prior notice to the owners
- The FA is in charge of protecting kept fishing gears and aquaculture facilities and owners shall pay the fee of protection upon receipt
- The FA or lagoon patrolling team shall hold no responsibility for any damage or loss of violating fishing gears, and aquaculture facilities

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

- If the violation falls under the State 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 (by authorities)
- 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 the FA fund
 - iii) For the third violation, the patrolling team will write the fining minute and send the case to Phu Loc Town PC for handling by law and members will be excluded from membership

- 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 Phu Loc Town CPC for handling by law and violators will be excluded from practicing in the water surface of the FA
- The serious violation will be submitted to higher level for solution
- All violation cases shall be reported to CMB in its regular meetings.

4.4 Regulation of 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 to 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 CPC for solution, or to higher authorities to be solved in accordance with 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 three parties, namely the Phu Loc Town FA, Phu Loc Town PC, 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 Phu Loc Town 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 Phu Loc Town is 5 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	2010	2011	2012	2013	2014	Implementers
User registration and fee collection	11-12	1-12	1-12	1-12	1-12	FA
Income calculation and sharing for mobile user fee under CMB	12	12	12	12	12	FA, Town PC
Stake trap rearrangement according to district regulation	8-12					FA, Town PC and District DARD
Bamboo FAD removal from the stake traps sub-zone		9				FA
<i>Lu</i> registration	11-12	1-3				FA, Town PC
Aquaculture rearrangement according to the FA zoning plan	11-12	1-6				FA, Town PC
Lagoon water surface patrolling	11-12	1-12	1-12	1-12	1-12	FA, Town PC
Lagoon clean-up		2/yr	2/yr	2/yr	2/yr	FA, Town PC
Fingerling stocking into the lagoon (stock re-enhancement)		1/yr	1/yr	1/yr	1/yr	FA, Town PC
Promotional activities	8-12	1-12	1-12	1-12	1-12	FA, Town PC
Additional benchmarking	11-12	1-12				FA
FA economic activities		1-12	1-12	1-12	1-12	FA
Renewal of fishing rights					11-12	FA, Town PC 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 Fishing gear and aquaculture rearrangement

Stake trap rearrangement is foreseen in 2010 according to the zoning plan as specified in this regulation. The total number of stake traps shall be reduced from current 58 to 31 (-47%). Bamboo FADs that are currently installed in the stake trap sub-zones are allowed to stay for one year (from 22 September 2010 to 22 September 2011). After this time, any FAD owner without removing his gear shall not be allowed to give any request. The reduction and control of *lu* will be undertaken based on the Provincial and the District regulation. The cages located outside the designated cage sub-zone will be reorganized into the fish cage sub-zone from the end of 2010 till middle of 2011.

5.4 Lagoon water surface patrolling

Phu Loc Town FA will elect one patrolling team when the allocation of stake traps in each stake trap sub-zone is completed. There will be one representative from each sub-zone and from FAD, fish cage sub-zone and common fishing sub-zone in the patrolling team. Upon the allocation of fishing rights, the team will undertake the patrolling once 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 in January and June (solar calendar) with full participation of FA members and support of the local authority.

The FA will also conduct fingerling stocking into the lagoon (fish stock re-enhancement) at least once a year in February (solar calendar) 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 Phu Loc Town 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 loudspeakers and, if possible, through radio and/or TV
- As fishing activities, particularly mobile ones, are inter-communal activities, announcement of fishing rights allocation and management rules to neighbouring communes will be a part of FA promotional activities.

5.7 Additional benchmarking

Fish cage culture sub-zone as specified in this document will be demarcated with concrete or bamboo poles within 2010-2011.

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 EB member list
4. FA member list
5. Signed agreement on Co-Management Body establishment
6. Status Map of fishing gears and aquaculture
7. Zoning map of FA area (including functional sub-zones)

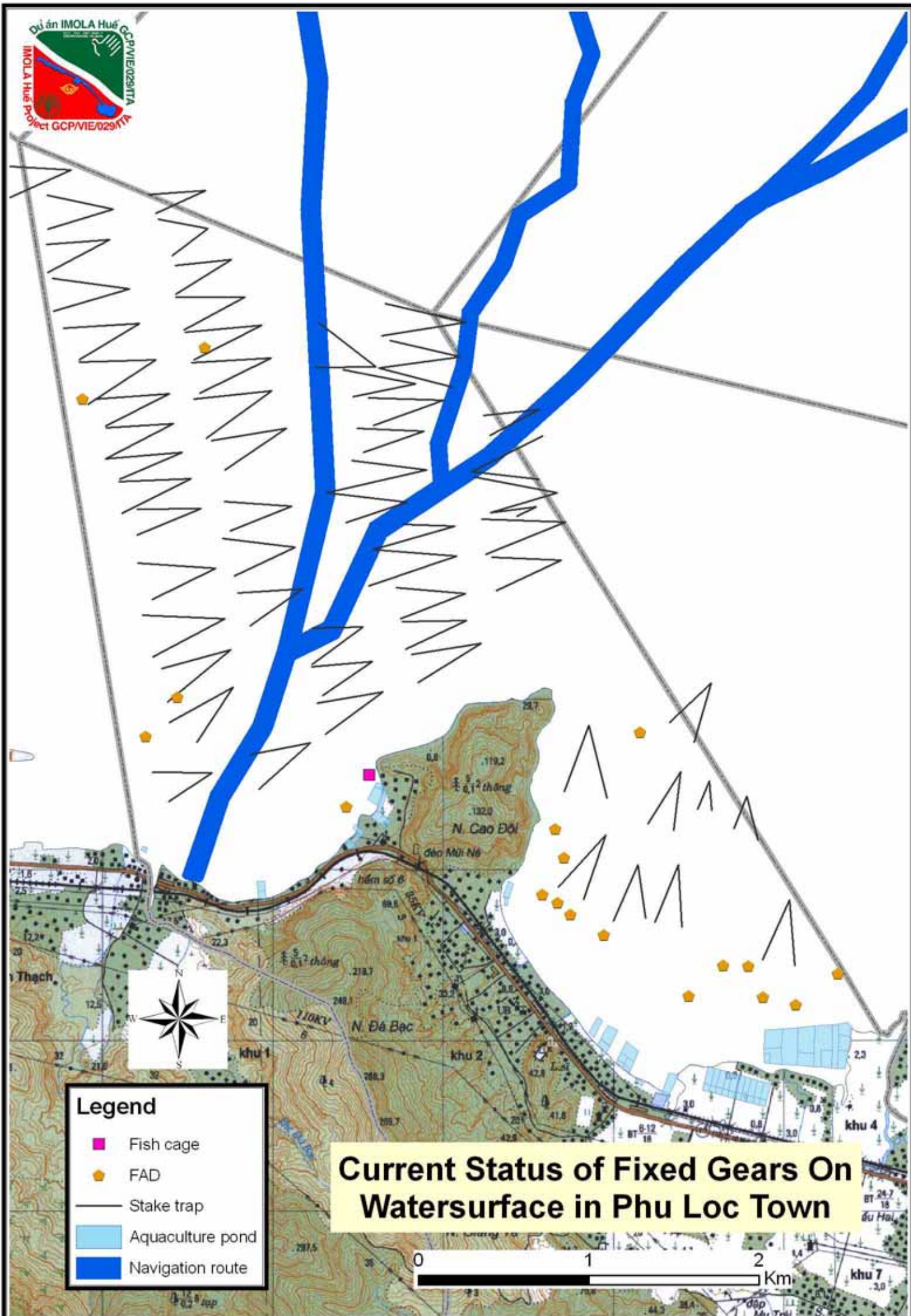
Verified by Phu Loc Town PC

**The Phu Loc Town Fisheries Association
Chairman**

Tran Thanh Phuoc

Technical Supporting Agency

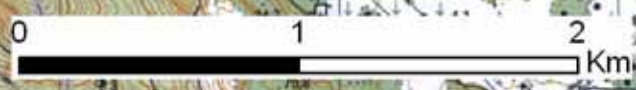
IMOLA Project



Legend

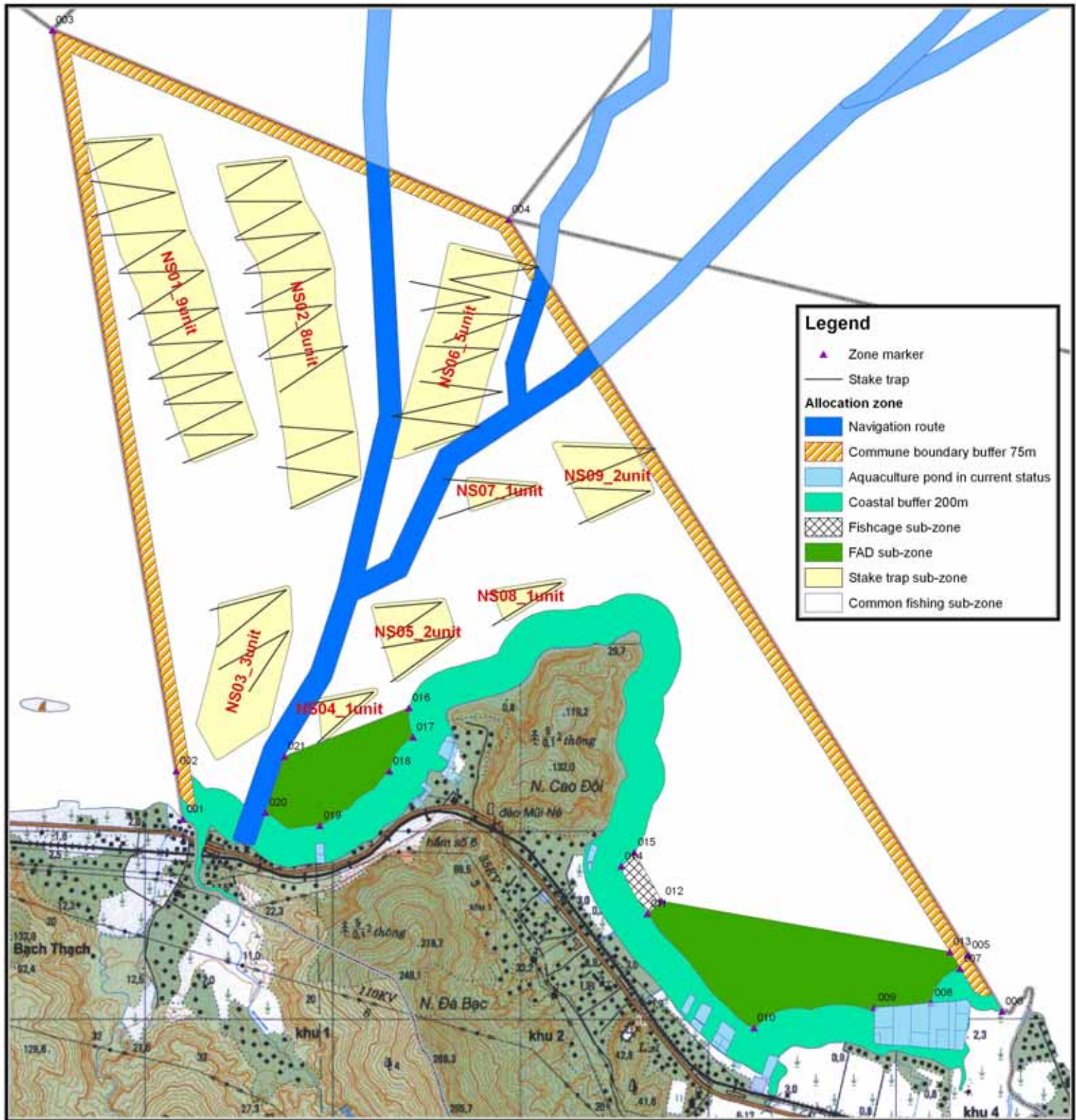
- Fish cage
- ⬠ FAD
- Stake trap
- Aquaculture pond
- Navigation route

Current Status of Fixed Gears On Watersurface in Phu Loc Town





Fishing Right Allocation Map for Fishery Association of Phu Loc Town



0 0.5 1 Km

Phu Loc Town Fishery Association	Phu Loc Town CPC	DARD of Phu Loc District	DONRE of Phu Loc District	Phu Loc DPC
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