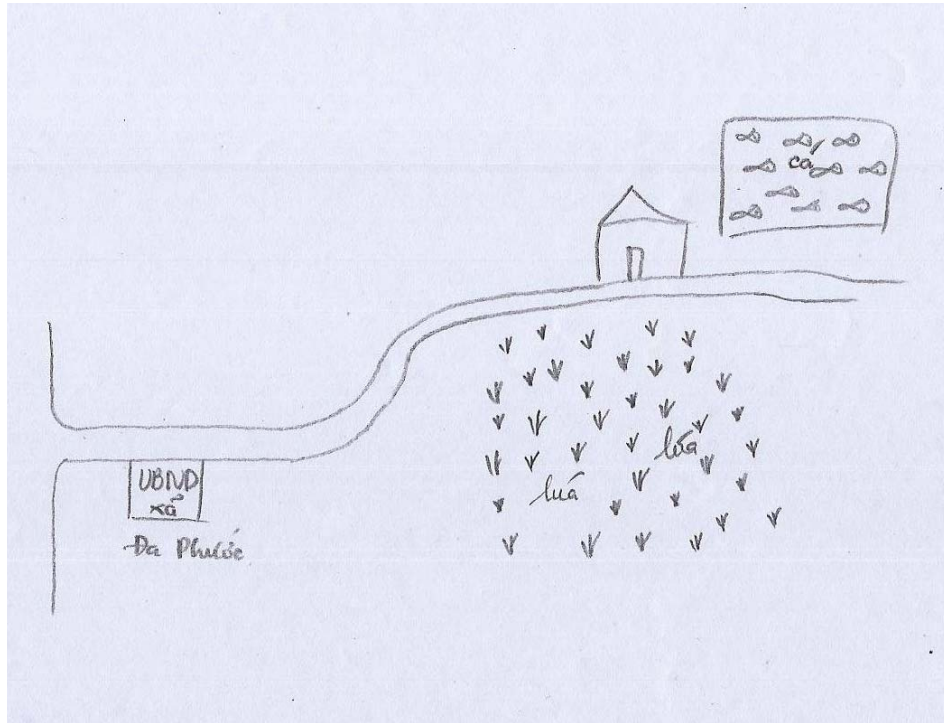


Annex 4 UAF HCMC.

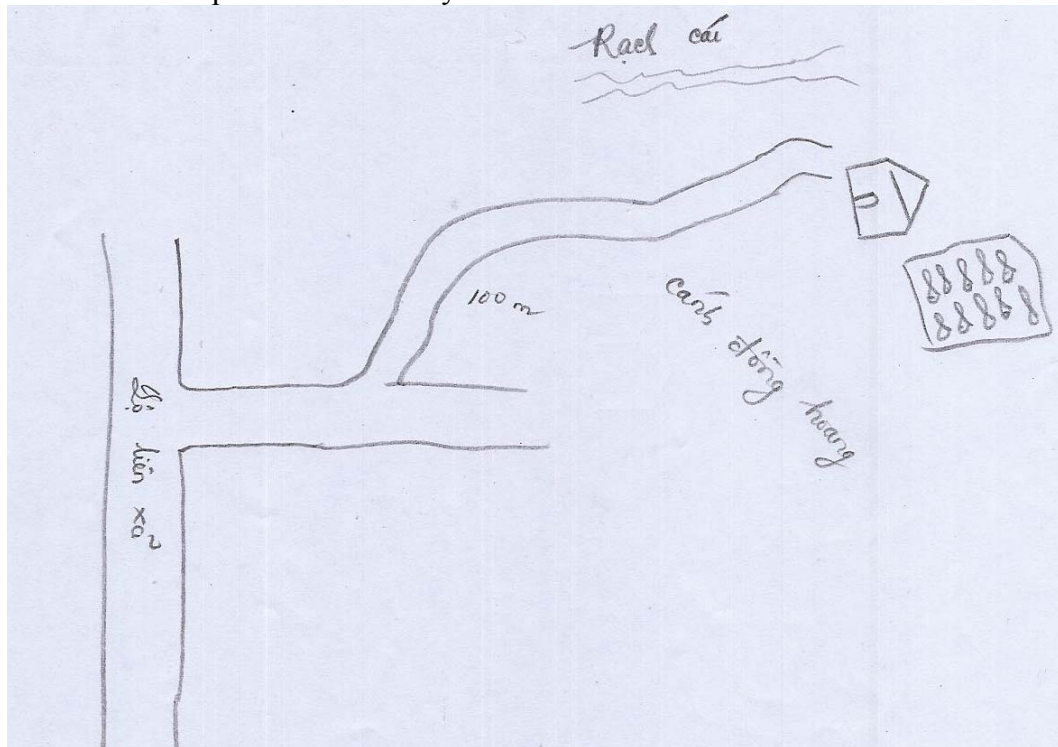
List of documents, reports, presentations and publications, press that have been written by UAF-HCMC partner

- State of the System (SOS) Report
- 4 X PCA reports (in Da Phuoc and Phong Phu communes, Binh Chanh district; Dong Thanh commune, Hoc Mon district, Binh My commune, Cu Chi district)
- Marketing Analysis Report for fish and aquatic plants products in Ho Chi Minh City (Annex 4.)
- Institutional Analysis Report relating to peri-urban aquatic production systems in HCMC
- Collection of Maps drawn during baseline and monitoring surveys showing individual farmers and communities aquatic production systems – e.g. pond layouts, areas, water inlets, outlets, use of waste water etc
- Presentation on “State of peri-urban aquatic production systems in Ho Chi Minh City” given at 7th Asian Fisheries Forum, Penang – abstract has been published in Asian Fisheries Forum Proceedings.

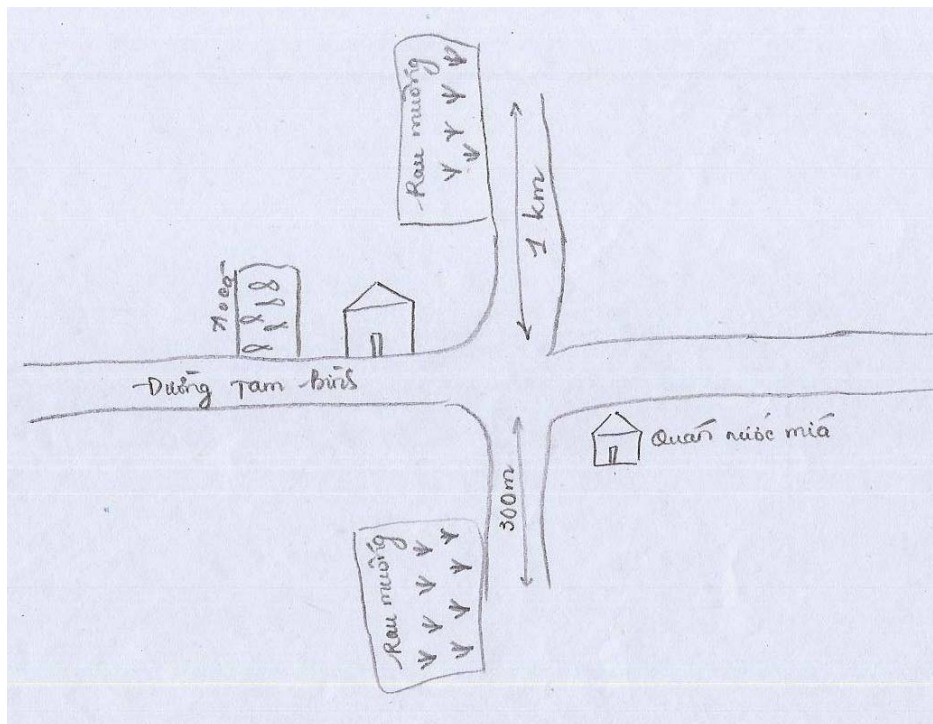
Maps done during baseline and monitoring surveys about farmers' aquaculture conditions



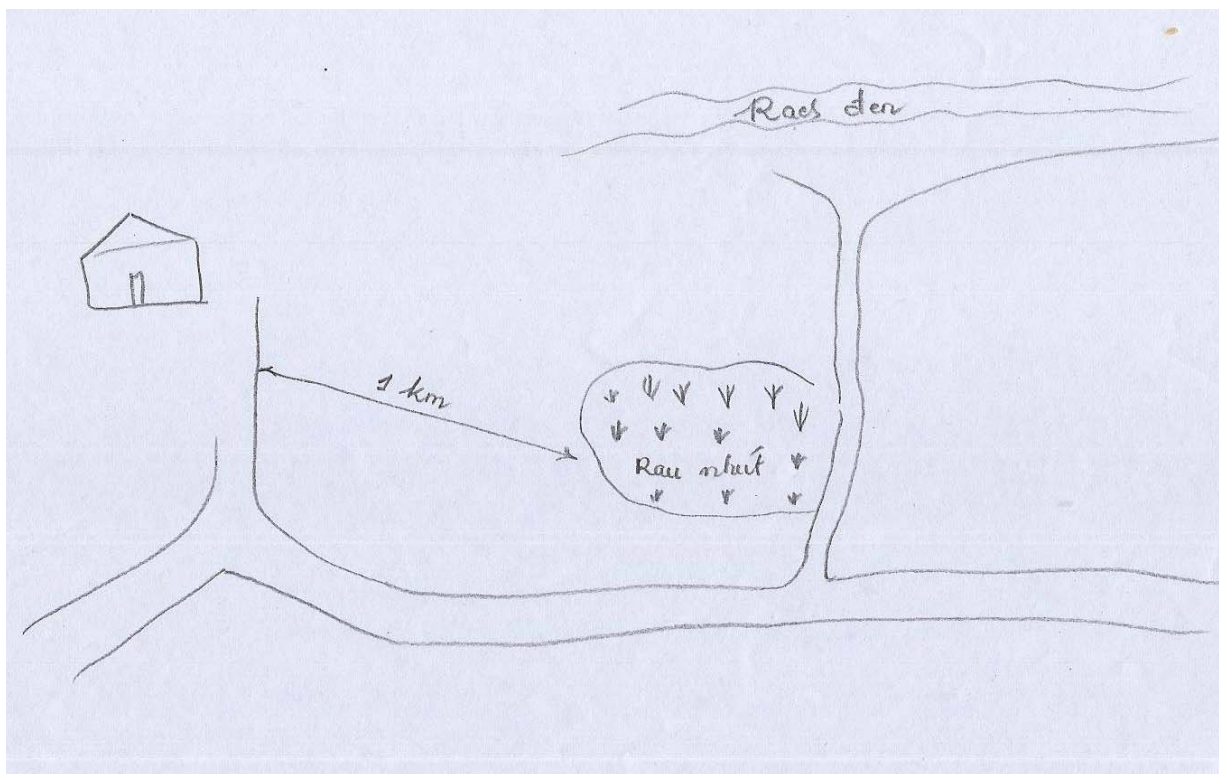
Picture 1. Example of fish farm layout in Da Phuoc commune – Binh Chanh



Picture 2. Example of fish farm layout in Phong Phu commune – Binh Chanh



Picture 3. Example of morning glory farm layout in Tam Phu commune – Thu Duc



Picture 4. Example of water mimosa farm layout in Thanh Xuan – Dist. 12 commune

Title and Abstract of the paper presented in Asian Fisheries Forum, Penang,
December 2004

**“STATE OF PERI-URBAN AQUACULTURE SYSTEMS, MARKETING CHANNELS OF
AQUATIC PRODUCTS AND INSTITUTIONAL STRUCTURE FOR AQUACULTURE IN HO
CHI MINH CITY”**

Le Thanh Hung and Huynh Pham Viet Huy – University of Agriculture and Forestry of Ho Chi Minh City,
Vietnam

Abstract

Participatory Community Appraisal (PCA), a modified version of the PRA technique was applied to define the state of peri-urban aquaculture systems in HCMC. The study was done at 4 characterized peri-urban communities located in Binh Chanh, Hoc Mon and Cu Chi districts. Aquaculture systems, farmers' farming activities, resources use, and problems were described by farmers themselves that reflex extremely true farmers' livelihood as well as the roles of aquaculture within the communities. Wastewater dependence of different systems in different places can have connection to farmers' health and technical difficulties. Geographical location of a community decides its risk and uncertainties caused by urbanization. Marketing problems are resulted from poor access to market.

A survey was carried out with 67 markets in 22 districts of HCMC. Different types of markets and market actors were involved in the survey. Gender is significant in the roles played by different market actors. Whilst most collectors are men, wholesale and retail activities are mainly done by women. Marketing channels of fish and aquatic plants are complicated in which products are shifted through many intermediate trading steps before coming to consumers. Different market actors may sell their products to one or many kinds of buyers. A large proportion of fish is sold live in markets. All aquatic plants are sold fresh in markets and mostly supplied from nearby peri-urban areas. Fish and aquatic plants are transported o markets by different means showing the transportation requirements are distinct. Seasonal fluctuations of prices for both fish and aquatic plants were found but the fish price is less influenced by seasonal factors. Captured fish are preferred by most of consumers. Administrative factors and labour requirements are diverse among market actors.

Many institutions are involved and play important roles in the development of peri-urban aquaculture. Roles and functions of these institutions were investigated by open discussions with resource persons at respective institutions. Although the administrative structure is well organized, the related institutions are not in close contact or connected when they are carrying out planning. The Government is not concerned enough in the development of aquaculture within HCMC. Industrial sector and service are assigned to be increased in the development of the City's economy. This relative governmental neglect of aquaculture in the urban environment may result in decreases of aquacultural areas within the city.

Contents page of each PCA reports for 4 study sites in Ho Chi Minh City

List of tables.....	
List of figures.....	
I. Introduction	
1.1 Methodology.....	
1.2 Socio economic information about the village	
II. General characteristic of the community	
III. History of the village and important events.....	
IV. Social characteristics of the selected community	
1. Wealth being.....	
2. Important festivals.....	
3. Health characteristics	
4. Seasonal calendar	
5. Types of foods and sources	
6. Daily activities.....	
V. Problems rankings by farmers.....	
VI. Summary points.....	
VII. Appendix	

List of Tables

Table 1 Seasons and important weather events (women).....	
Table 2 Seasons and important weather events (men).....	
Table 3 List of inputs and outputs from mens and womens opinions	
Table 4 Problem ranking by farmers.....	

List of Figures

Figure 1 Community mapping of village 5, Da Phuoc commune, Binh Chanh district (men)	
Figure 2. Community mapping of village 5, Da Phuoc commune, Binh Chanh district (women)	
Figure 3. Scheme presents important history events (men).....	
Figure 4 Scheme presents important history events (women).....	
Figure 5. Scheme of seasonal calendar of production (men).....	
Figure 6. Scheme of seasonal calendar of production (women).....	
Figure 7 Types of foods, source and fluctuation every month (men).....	
Figure 8 Types of foods, source and fluctuation every month (women).....	
Figure 9 Scheme of daily activities of men.....	
Figure 10 Distribution of time of daily activities.....	
Figure 11 Scheme of daily activities of women.....	
Figure 12 Problem ranking of community	
Figure 13 Problems and ranks according to men's and women's opinions	
Figure 14 Problems evaluated by farmers as a whole group	

Content page of Marketing analysis report for fish and aquatic plants products in Ho Chi Minh City

Table of contents

1. Objectives:	
2. Pictures:.....	
3. Methodology:.....	
4. General information about market actors.....	
5. Marketing channels of fish and aquatic plants.....	
6. Categories of products sold:	
7. Transportation.....	
8. Price.....	
9. Administration of marketing channels	
10. Labor requirements.....	
11. Consumers' preferences	
12. City plans for market development:	

List of pictures

Picture 1:Fish wholesaler.....	
Picture 2: Vegetable collector	
Picture 3 &4:Retailing of Aquatic plants	
Picture 5 & 6 : Freshwater fish wholesale market and shop inside.....	
Picture 7 & 8 : Transportation means.....	
Picture 9:Wholesaler in a retail market	
Picture 10: Water mimosa culture	
Picture 11 & 12: Fish pond and harvesting of fish	

List of Tables and Figures

Table 1 :Registration of wholesalers and retailers	
Table 2 Taxes paid by wholesalers and retailers.....	
Table 3. Number of labors and wages paid of wholesalers and retailers	
Table 4 Freshwater Fish and Aquatic plants: HCMC's consumers' preferences	
Figure 1: Number of markets surveyed.....	
Figure 2 Sample size.....	
Figure 3 Gender of actors	
Figure 4: Age of people involved in marketing activities of aquatic plants.....	
Figure 5 Types of buyers for market actors	
Figure 6 Flowchart of fish marketing channel	
Figure 7 Flowchart of Aquatic Vegetable Marketing Channels.....	
Figure 8 Types of sold products	
Figure 9 Transportation means to peri-urban fish markets.....	
Figure 10 Transportation means for peri-urban vegetables.....	
Figure 11 Seasonal price fluctuation of aquatic plants	
Figure 12 Seasonal price fluctuation of fish products	
Figure 13 Trading contacts between buyers and sellers	
Figure 14 Market places for the HCMC consumers – where do they buy their fish and aquatic vegetables	
Figure 15 Criteria for choosing aquatic plants for food.....	

Contents Page of Institutional Analysis Report for agriculture – aquaculture related organizations

1. List of related institutions
2. Roles and Functions of Institutions.....
3. Plans and policies for the development of the city, agriculture, aquaculture
4. Master plan to develop industrial plants
5. Wastewater treatment plants - JICA project

