

# THE STATUS OF AQUACULTURE IN SOME PERIURBAN COMMUNITIES OF HCMC ASSESSED BY PCA METHOD

## Binh My Commune, Cu Chi District

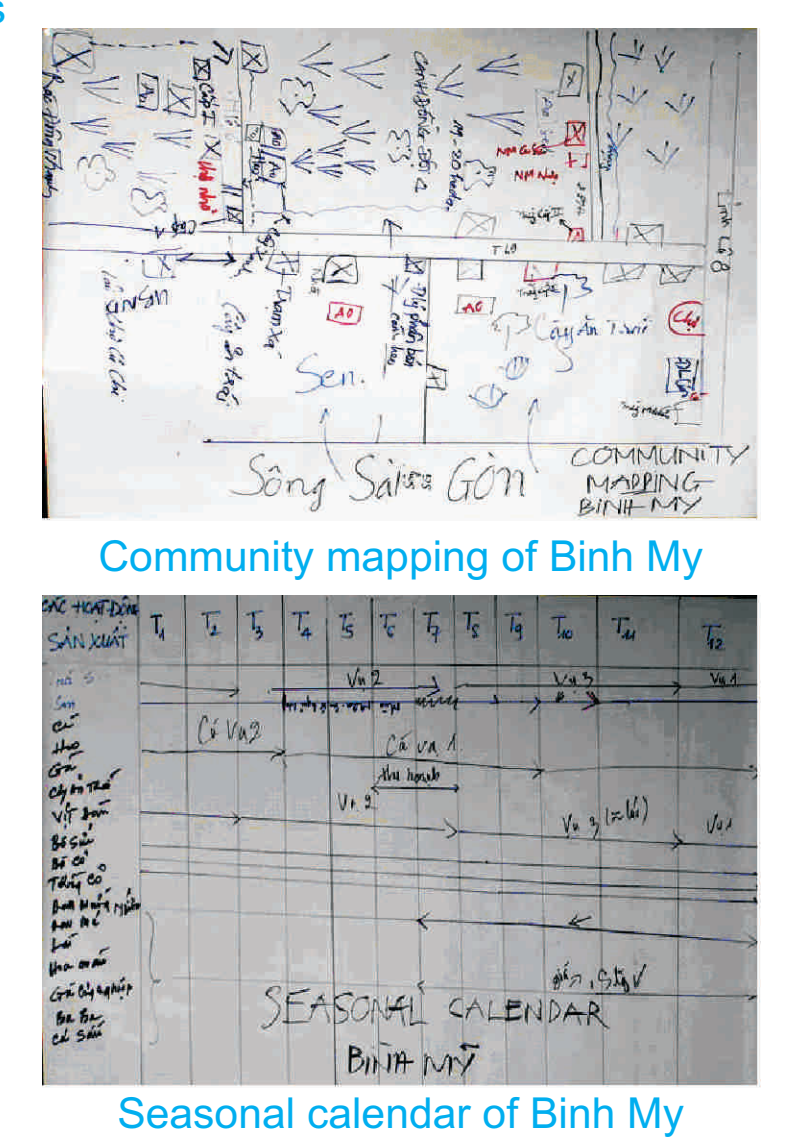


Morning glory pond    Fish pond with duck-weed    Introduction about purpose of PCA    Farmers discussed about their inhabitant community and production systems

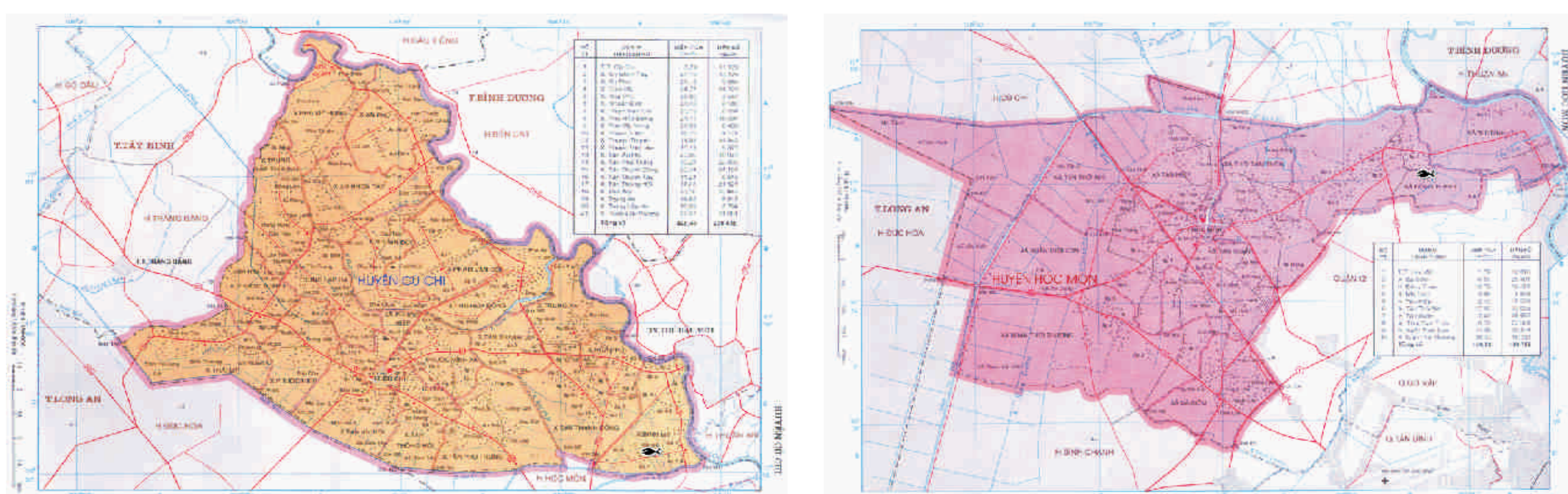


Farmers discussed about food types and source of supply in the year    Farmers were discussing about their activities    Farmers giving statement about their problems in production activities    Problem ranking done by farmers

- \* Farmer culture fish with family scale and mainly for own their family consumption.
- \* Area for aquaculture is too little compare with agriculture area.
- \* Aquaculture is distributed over the village in Binh My commune.
- \* The main of aquaculture activities are fish culture, water spinach, and lotus.
- \* Water environment pollution is not worth mentioning.
- \* Farmer often contact skin and fungus on nail disease.
- \* Farmer usually use the aquaculture products for their meals.
- \* 90% farmers is at medium and better off.
- \* Every 10 years, farmer get big troubles because of high flooding.
- \* The urbanization projects influence very few to farmer agriculture activities because Binh My commune is a reserve of agriculture area in the future.



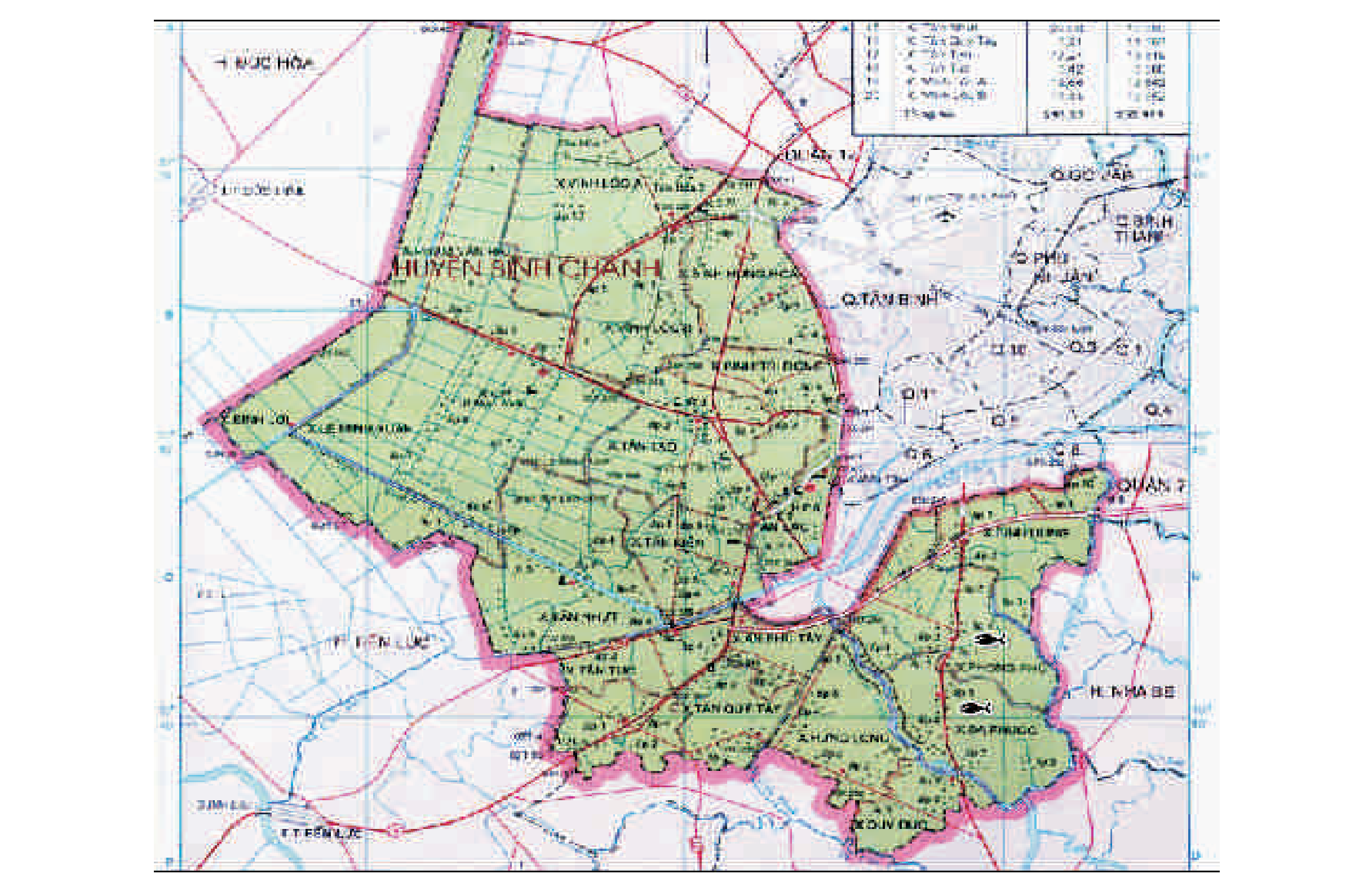
Community mapping of Binh My    Seasonal calendar of Binh My



CU CHI DISTRICT    HOC MON DISTRICT



HO CHI MINH CITY



BINH CHANH DISTRICT

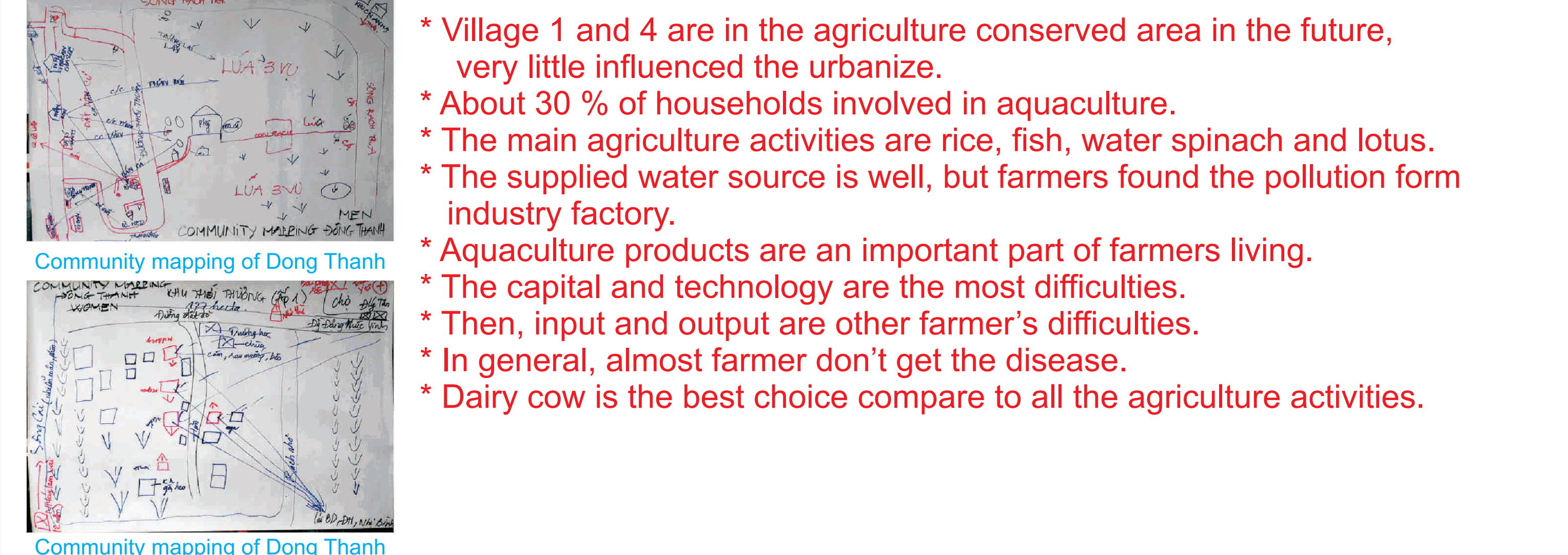
## Dong Thanh Commune, Hoc Mon District



Fish pond    Fish pond    Introduction about purpose of PCA    Farmers describe their inhabitant community and production systems



Farmers drawing their inhabitant community and production systems    Farmers state seasonal calendar of production models    Farmers giving statement about their problems in production activities    Problems ranking done by farmers



Community mapping of Dong Thanh    Community mapping of Dong Thanh    Seasonal calendar of Dong Thanh

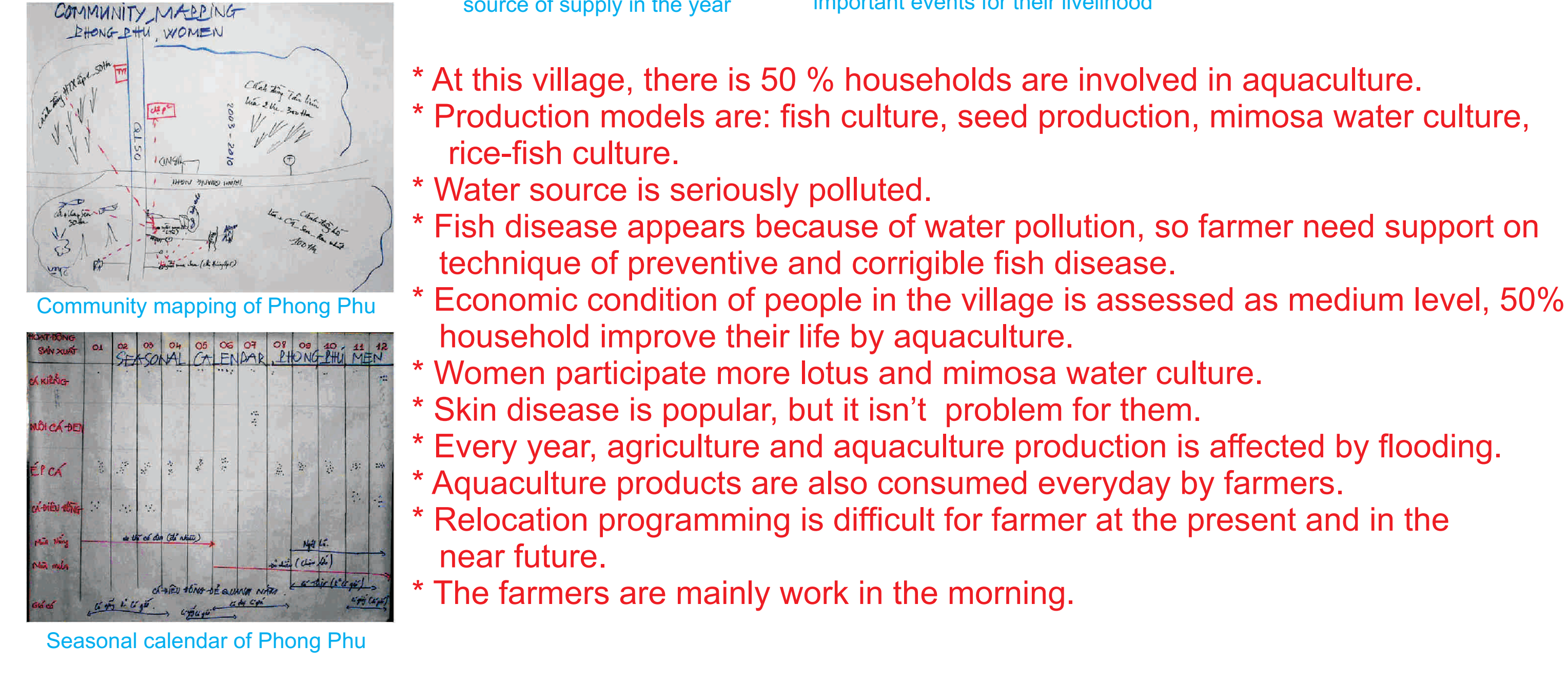
## Phong Phu Commune, Binh Chanh District



Water mimosa pond    Farmer was harvesting water mimosa    Introduction about purpose of PCA    Farmers describe their inhabitant community and production systems



Groups separation by gender    Farmers state about food types and source of supply in the year    Farmers state development history and important events for their livelihood    Difficulties of farmers



Community mapping of Phong Phu    Community mapping of Phong Phu    Seasonal calendar of Phong Phu

## Da Phuoc Commune, Binh Chanh District



Rice-fish system    Lotus-fish system    Group separation by gender    Farmers discussed about their inhabitant community and production systems



Farmers showing their seasonal calendar of production models    Farmers drawing their inhabitant community and production systems    Farmers discussed about problems in production activities    Problem ranking done by farmers

- \* Majority of households in this village practice aquaculture as their main activity.
- \* Lotus is also cultivated but less commonly.
- \* Production scale is small, products are mainly consumed by farmer. In most of the case, household usually have many members working with different occupations and the person who is involved directly to farming activities is rather old in the family.
- \* Potential sources of water pollution are now fewer than Phong Phu commune.
- \* Price and availability of labor for agriculture is first problem for them.
- \* They need technology support in the form of training.
- \* Higher income households have little contact with public health stations.
- \* Skin diseases are quite common in the community.
- \* Women sometimes participate in agriculture and aquaculture production.
- \* Aquaculture products are important part in their meals.
- \* They work mainly in the morning. For fish, they spend relatively less time compared to their other agriculture farming.
- \* They realize the positive influence of relocation of industrial factories to their water quality.



Community mapping of Da Phuoc    Community mapping of Da Phuoc

- \* At this village, there is 50 % households are involved in aquaculture.
- \* Production models are: fish culture, seed production, mimosa water culture, rice-fish culture.
- \* Water source is seriously polluted.
- \* Fish disease appears because of water pollution, so farmer need support on technique of preventive and corrigible fish disease.
- \* Economic condition of people in the village is assessed as medium level, 50% household improve their life by aquaculture.
- \* Women participate more lotus and mimosa water culture.
- \* Skin disease is popular, but it isn't problem for them.
- \* Every year, agriculture and aquaculture production is affected by flooding.
- \* Aquaculture products are also consumed everyday by farmers.
- \* Relocation programming is difficult for farmer at the present and in the near future.
- \* The farmers are mainly work in the morning.