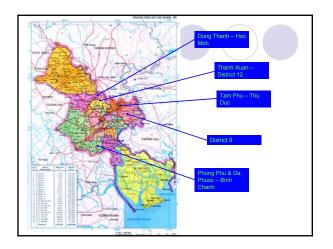
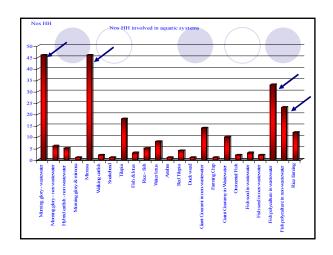


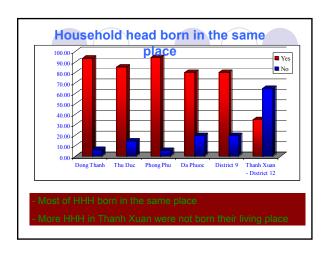
| Community | Nos Households |
|------------|----------------|
| Dong Thanh | 16 |
| Thu Duc | 48 |
| Phong Phu | 55 |
| Da Phuoc | 25 |
| District 9 | 10 |
| Thanh Xuan | 43 |

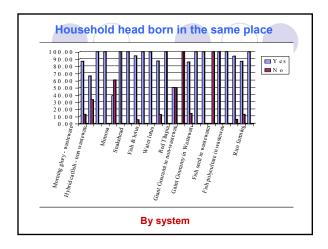
Communities and Samples size

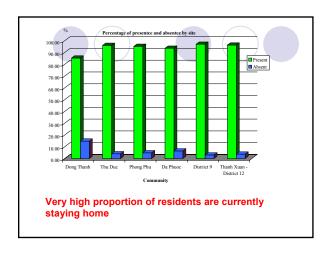


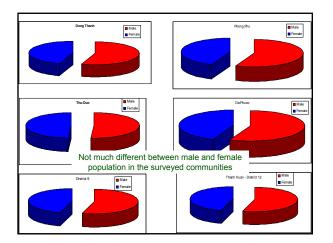


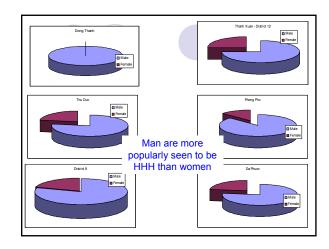


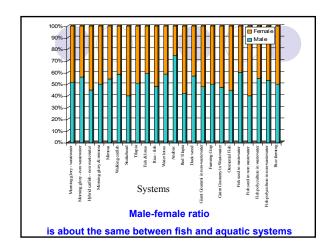


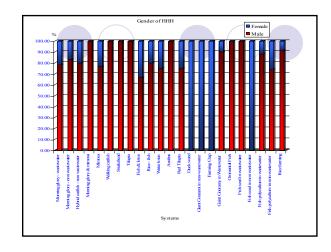


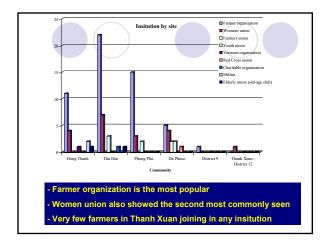


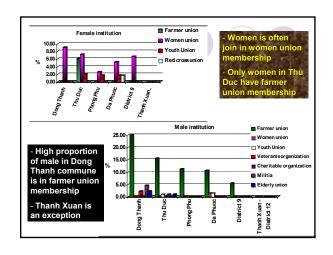


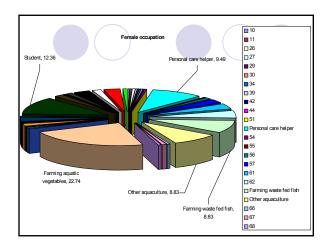


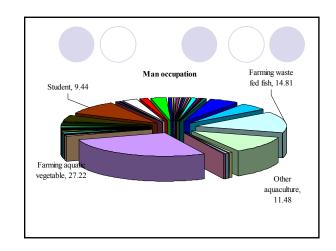


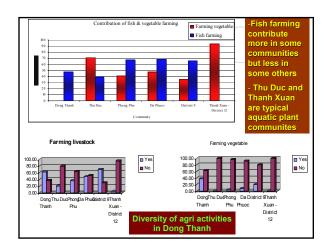


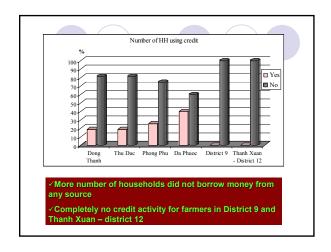


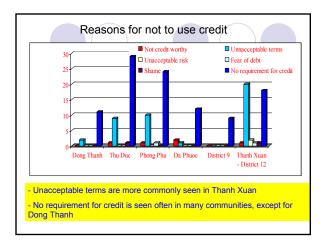


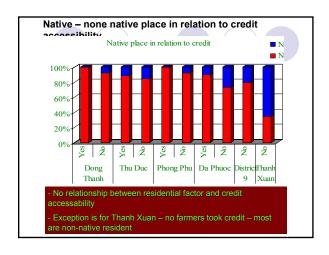


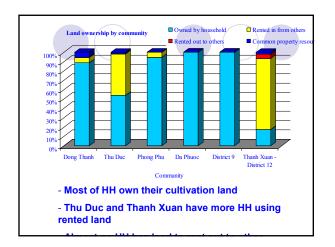


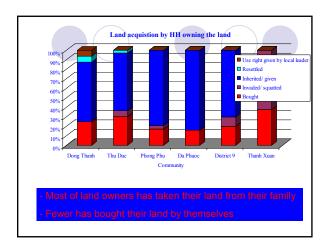


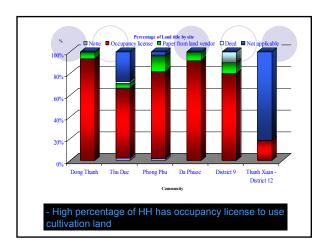


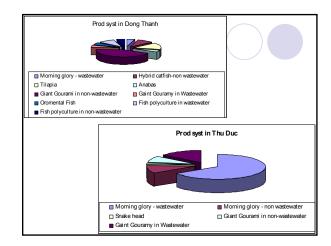


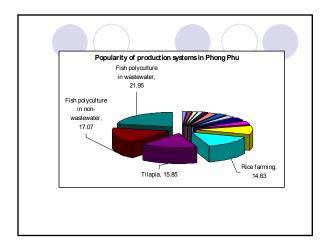


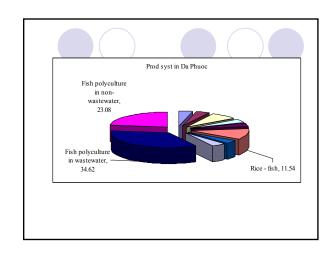


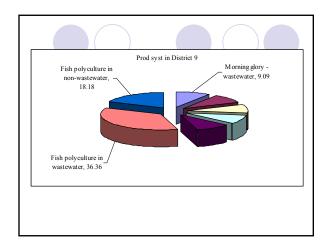


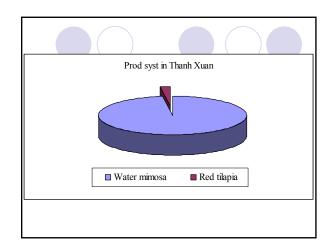


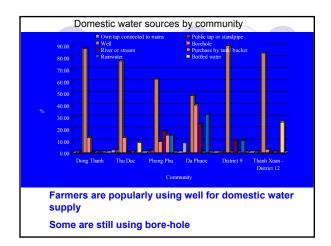


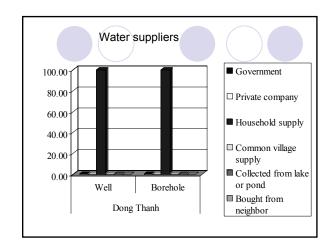


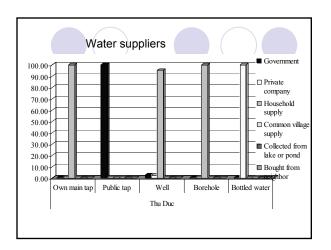


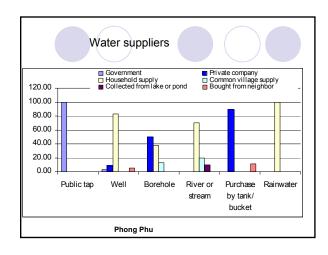


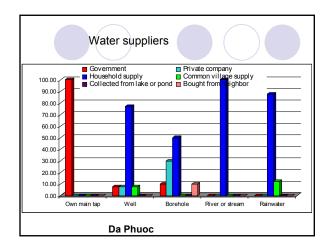


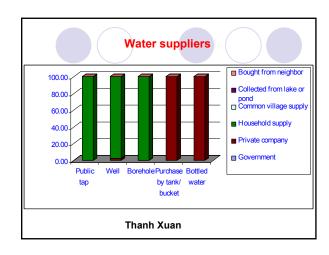


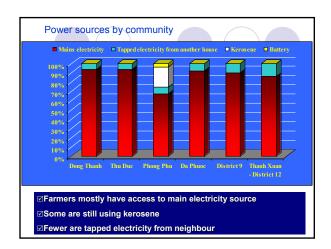


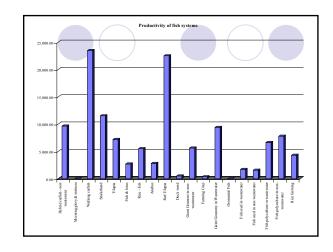


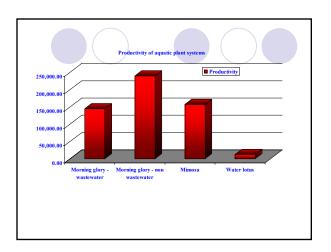




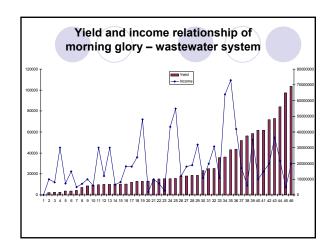


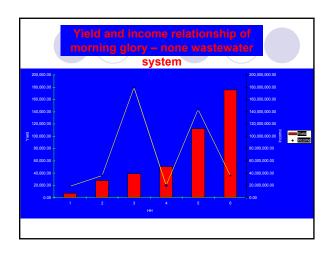


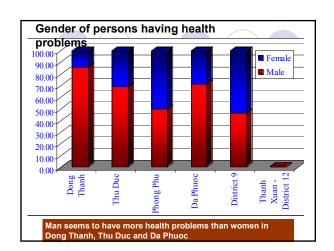




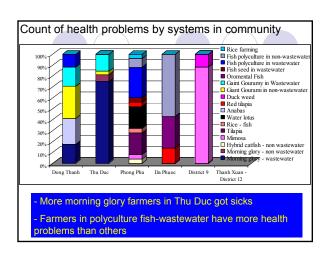
| 1 | | AquaticSys | temSize | EstIncom | eLastYr |
|----|---------------------------------|------------|-----------|---------------|----------------|
| 2 | System | Min | Max | Min | Max |
| 3 | Morning glory - wastewater | 500.00 | 10,000.00 | - | 73,000,000.00 |
| 4 | Morning glory - non wastewater | 1,000.00 | 30,000.00 | 18,000,000.00 | 180,000,000.00 |
| 5 | Hybrid catfish - non wastewater | 700.00 | 2,000.00 | - | 20,000,000.00 |
| 6 | Morning glory & mimosa | 500.00 | 500.00 | - | |
| 7 | Mimosa | 1,000.00 | 8,000.00 | - | 110,000,000.00 |
| 8 | Walking catfish | 1,200.00 | 2,200.00 | 24,000,000.00 | 30,000,000.00 |
| 9 | Snakehead | 1,300.00 | 1,300.00 | 25,000,000.00 | 25,000,000.00 |
| 10 | Tilapia | 600 00 | 32,000.00 | 1,250,000.00 | 60,000,000.00 |
| 11 | Fish & lotus | 7,400.00 | 25,000.00 | 7,000,000.00 | 55,000,000.00 |
| 12 | Rice - fish | 1,600.00 | 20,000.00 | 6,000,000.00 | 15,000,000.00 |
| 13 | Water lotus | 4,300.00 | 31,000.00 | 6,000,000.00 | 72,000,000.00 |
| 14 | Anabas | 2,500.00 | 2,500.00 | 8,000,000.00 | 8,000,000.00 |
| 15 | Red Tilapia | 800.00 | 30,000.00 | 8,000,000.10 | 50,000,000.00 |
| 16 | Duck weed | 7,000.00 | 7,000.00 | 1,000,000.00 | 1,000,000.00 |
| 17 | Giant Gourami in non-wastewater | 200.00 | 6,000.00 | | 46,800,000.00 |
| 18 | Farming Crap | 10,000.00 | 10,000.00 | 16,200,000.00 | 16,200,000.00 |
| 19 | Gaint Gouramy in Wastewater | 200.00 | 2,000.00 | | 18,000,000.00 |
| 20 | Oromental Fish | 1,000 00 | 4,000.00 | 30,000,000.00 | 30,000,000.00 |
| 21 | Fish seed in wastewater | 8,000.00 | 31,000.00 | 30,000,000.00 | 100,000,000.00 |
| 22 | Fish seed in non wastewater | 1,700.00 | 10,000.00 | | 18,000,000.00 |
| 23 | Fish polyculture in wastewater | 200.00 | 19,600.00 | - | 50,000,000.00 |
| | Fish polyculture in non- | 300.00 | 18,000.00 | 1,000,000.00 | 150,000,000.00 |
| 25 | Rice farming | 401.00 | 27,000.00 | | 50,000,000.00 |

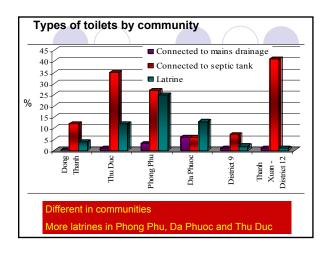












Conclusions

- ☑ Thu Duc and Thanh Xuan are specified for aquatic plants (morning glory & water mimosa)
- ☑ Fish culture systems are diversity fish polyculture is more often seen
- ☑ Large range of system size among the systems
- ☑ Farmer Union and Women Union are most popular
- ☑ Mostly own their land few have rental land
- ☑ Most have occupancy license Exception Thanh Xuan

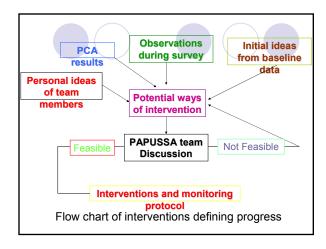
Conclusions

- ☑ Farming aquatic vegetable, student, farming wastewater fish and other aquaculture are the most common occupation for man

Conclusions

- ☑ Low proportion borrowing money unacceptable terms and no credit worth – Thanh Xuan with no residential registration – unable to borrow
- ☑ Fish and vegetable farming contribute high percentage to HH income in most of communities
- ☑ No relation between estimated net income and last year aquaculture production
- ☑ Highest productivity is for intensive less popular systems (hybrid catfish, red tilapia)
- ☑ Most farmers has access to main electricity
- $\ensuremath{\square}$ Well is the most common water source family self supply

Interventions



| Р | rogress of int | ervention | |
|-----------------------|--|--|---|
| Site | Interventio | How to carry out? | How to monitor |
| Don g Than h | Improving the efficacy of aquacultur e farmers group | Re-establish the aquaculture farmers group Encourage the interaction between farmers and local gov. | Thow much farmers evaluate the interaction between them and local gov. How they this benefit their |
| Than h Xua n | Improving water mimosa farmers' knowledge by providing | - Collecting information and prodcucing booklets on water mimosa disease to provide to farmers Take reponses | agua activities Number of |

| Prog | ress of interver | ntion | |
|------------------|--|--|---|
| Site | Intervention | How to carry | How to monitor it? |
| Phon g Phu | Fish polyculture – fish composition & density | Precommend farmers using appropriate fish species and density | - Nos farmers apply the recommended technique - How do they find the improvement: fish growth, |
| Da Phuo c | Disseminati on of crab fattenning technique to farmers to utilize more effectively natural | - To recommend farmers using crab wild captured to culture in ponds for ditcheches – getting bigger size – increase | PNSsi hillithes stee and applighte technique - How they assess the beneficiaries of the recommemded application |

Water sampling – time

- Problems:
- Same inlet and outlet -> difficult to take sample
- Wastewater concentration different in hightide and low tide –
- More dense in low tide no water exchange during low tide

| Water Sair | npling - protoco | | |
|---------------|------------------|---|---|
| Site | System | Location | Tidal cycle |
| Phong Phu | Tilapia seed | - Water inlet -inside the | - High tide - outside the system - at sluicegate |
| Hoc Mon | Fish polycultur | system | |
| Thu Duc | Morning glory | - Water outlet - 10 days - after - time | - Low tide - |
| Thanh Xuan | Water mimosa | for water exchange | system – at sluicegate |

