Mahseers in Thailand and conservation

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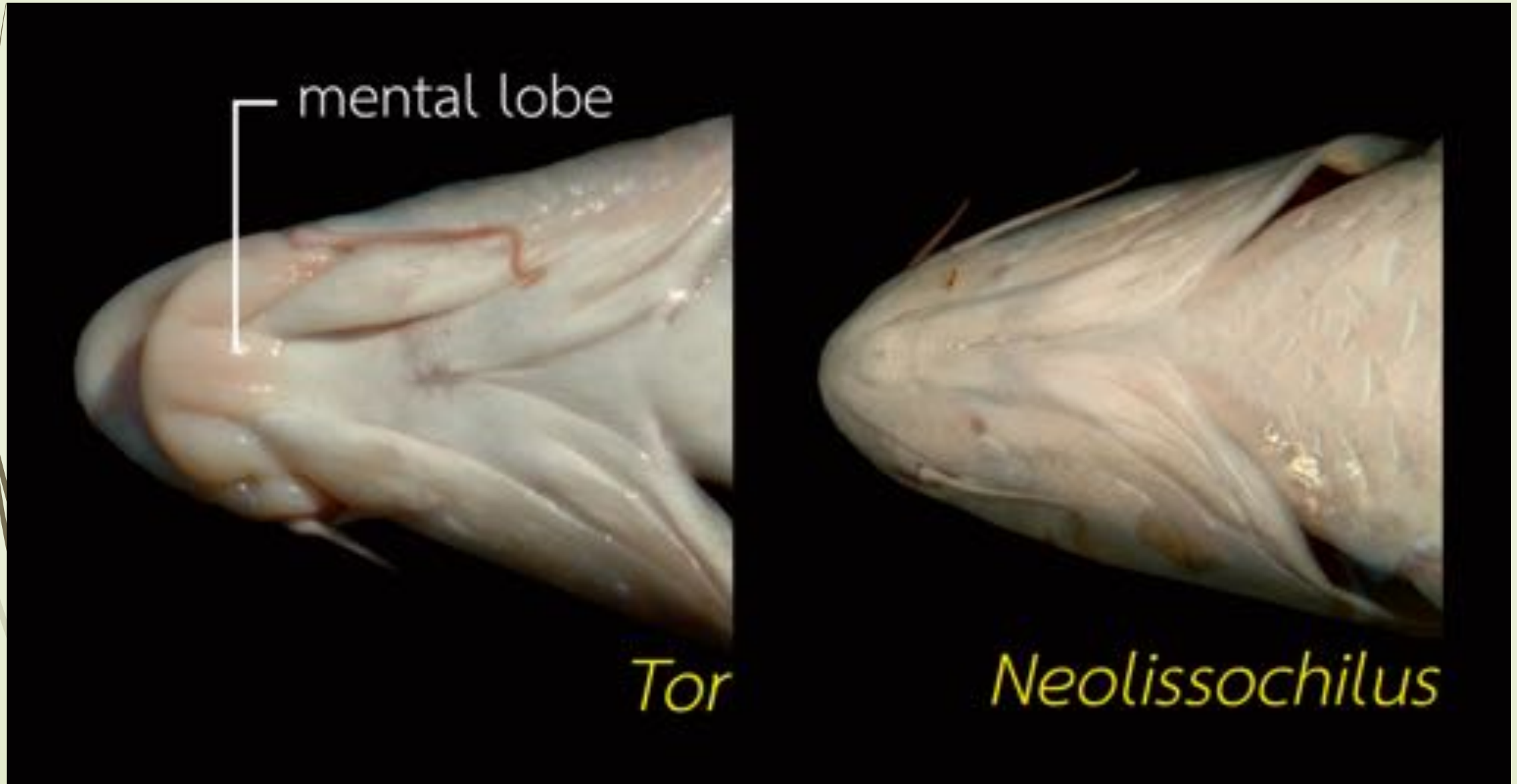
Taxonomic stadies

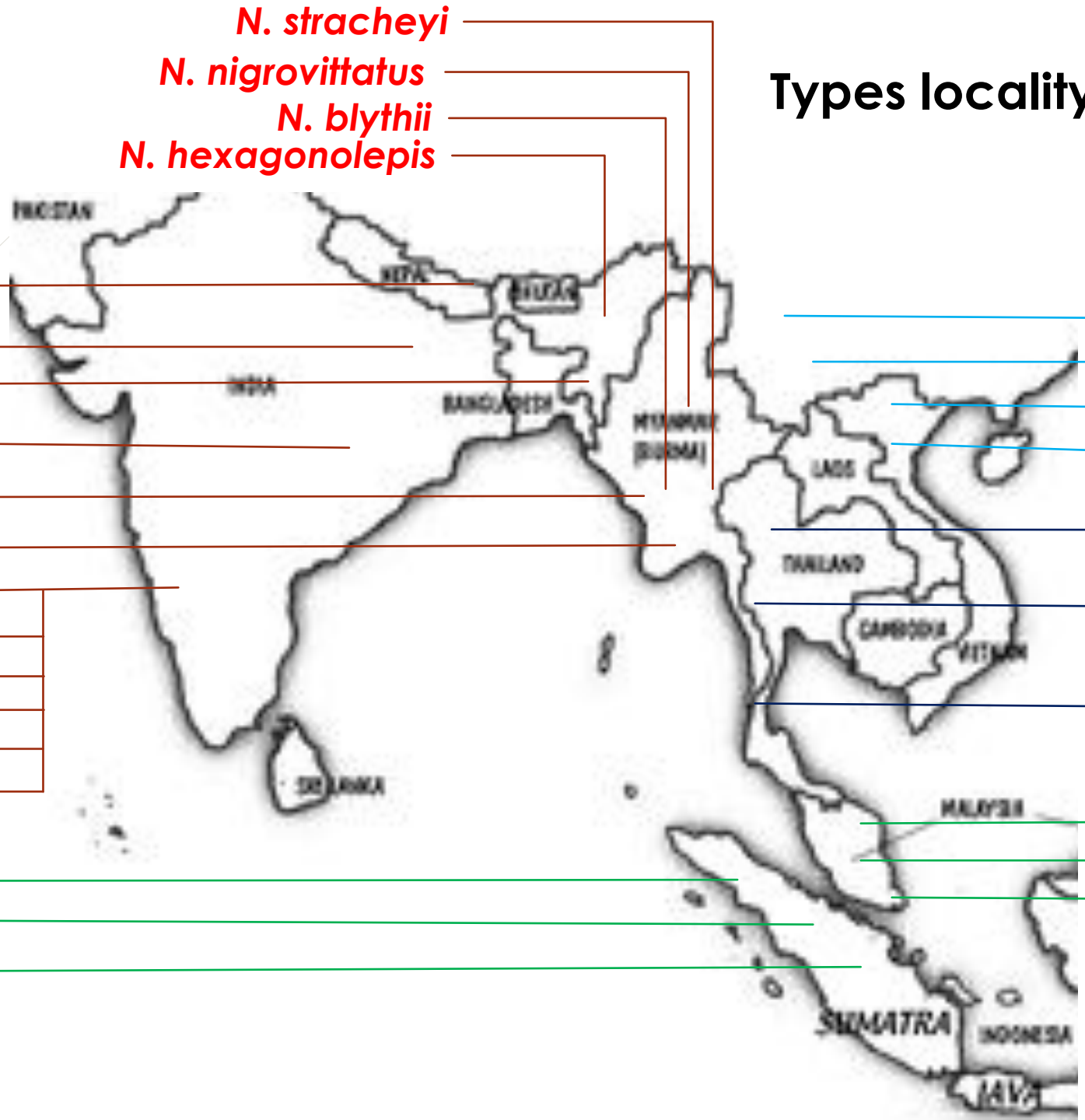
Ffish.asia


Fishes of Mainland Southeast Asia
Explore the freshwater fish diversity in the mainland Southeast Asia
Image gallery
Database
About this project

Neolissocheilus and allies



Types locality of *Neolissochilus*



N. stracheyi
N. nigrovittatus
N. blythii
N. hexagonolepis
N. spinulosus
N. dukai
N. kaladanensis
N. hexastichus
N. stevensoni
N. compressus
N. wynaadensis
N. capudelphinus
N. minimus
N. micropthalmus
N. acutirostris
N. tamiraparaniensis
N. thienemanni
N. sumatranus
N. longipinnis
N. baoshanensis
N. heterostomus
N. benasi
N. namlenensis
N. subteraneus
N. vittatus
N. paucisquamatus
N. handrsoni
N. soroides
N. tweediei

Key to species of Thai Masheers

- Eye diameter 1.5 times HL, small head; 26-29 lateral line scales; white-pink color body..... *Neolissochilus subterraneus*
- Eye diameter 1.5-2.4 times HL

  - Eye diameter >1.5 times HL; 22 lateral line scales..... *Neolissochilus paucisquamatus*

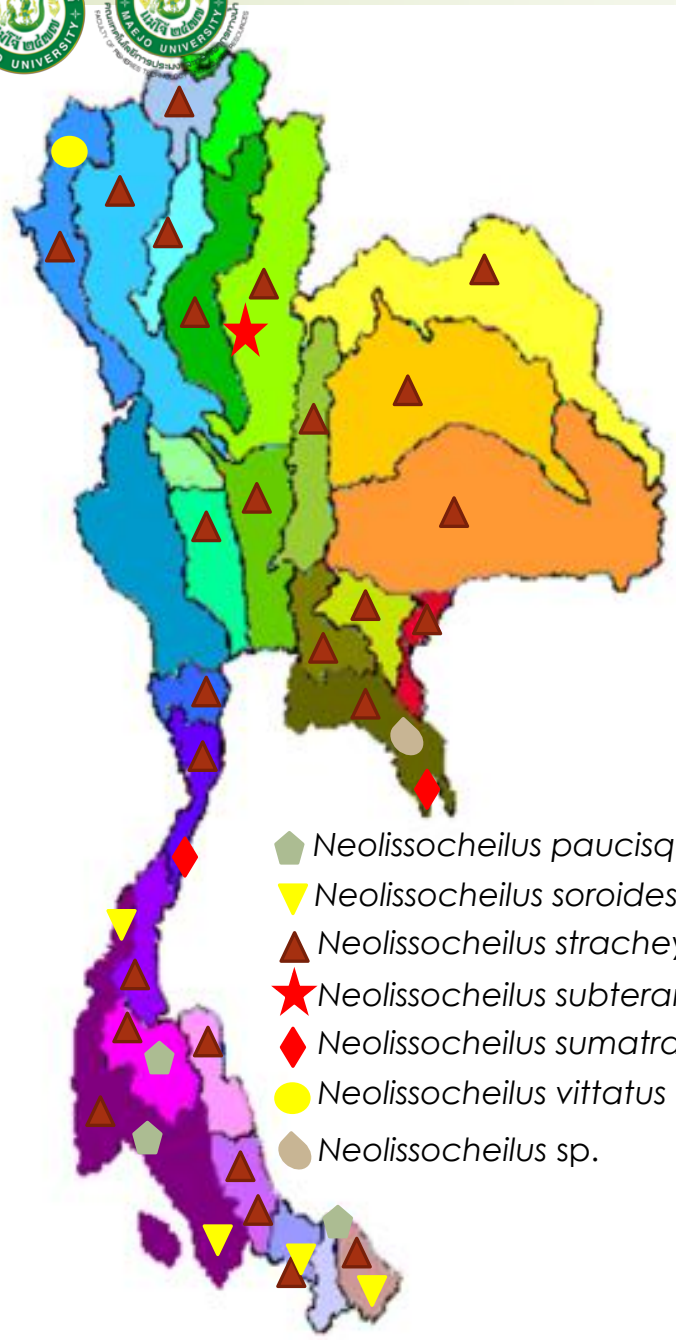
- 8-9½ branched dorsal rays
  - Eye diameter 2.6-2.9; plain color body; iii-iv, 9-9½ branched dorsal rays; 21-27 lateral line scales.....*Neolissochilus soroides*

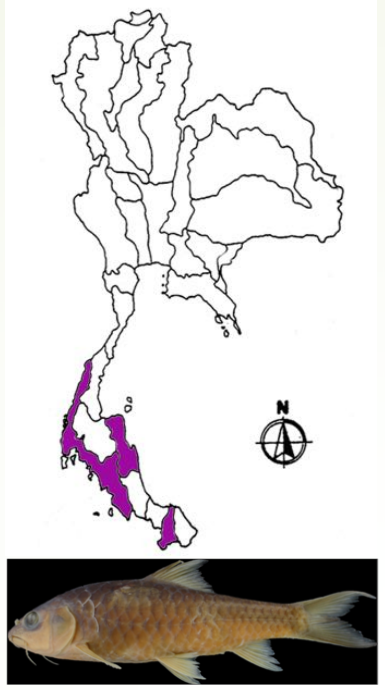
  - Eye diameter 2.5-2.9 times HL
    - 8-8 ½ branched dorsal rays; dark lateral stripe; 23-25 lateral line scale.....*Neolissochilus vittatus*

    - Eye diameter 2.5.2.6 times
      - Thick lip, lower lip tip straight, lateral stripe absent.....*Neolissochilus sumatranus*

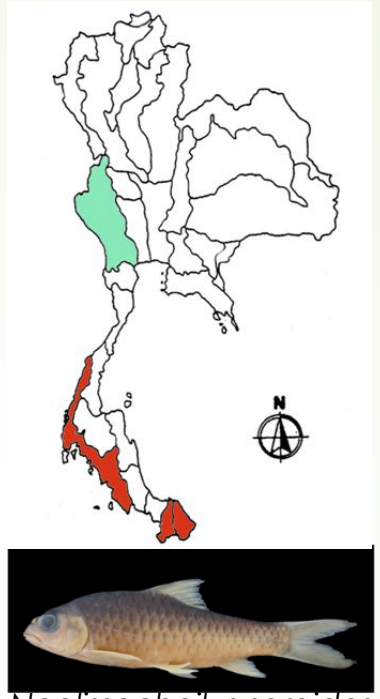
      - 9-9 ½ branched dorsal rays
        - Lip normal, lower jaw slifghly curve, lateral stripe dark, ... *Neolissochilus stracheyi*

- 10-10½ branched dorsal rays.....



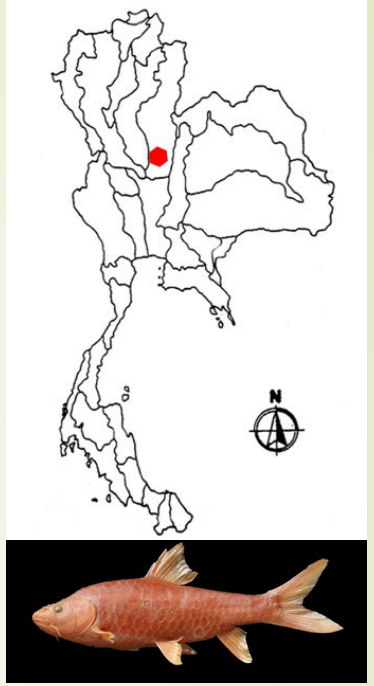


Neolissocheilus paucisquamatus

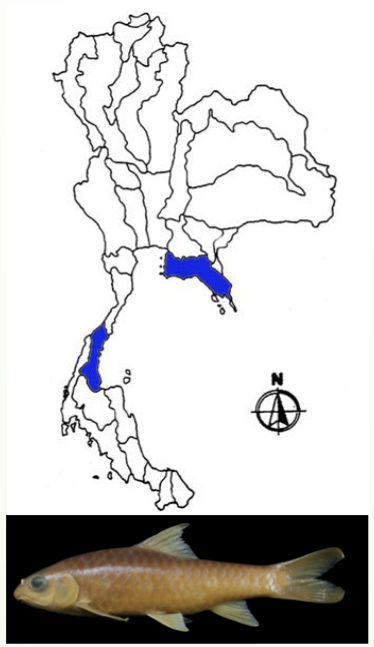


Neolissocheilus soroides

Neolissocheilus stracheyi



Neolissocheilus subteranei



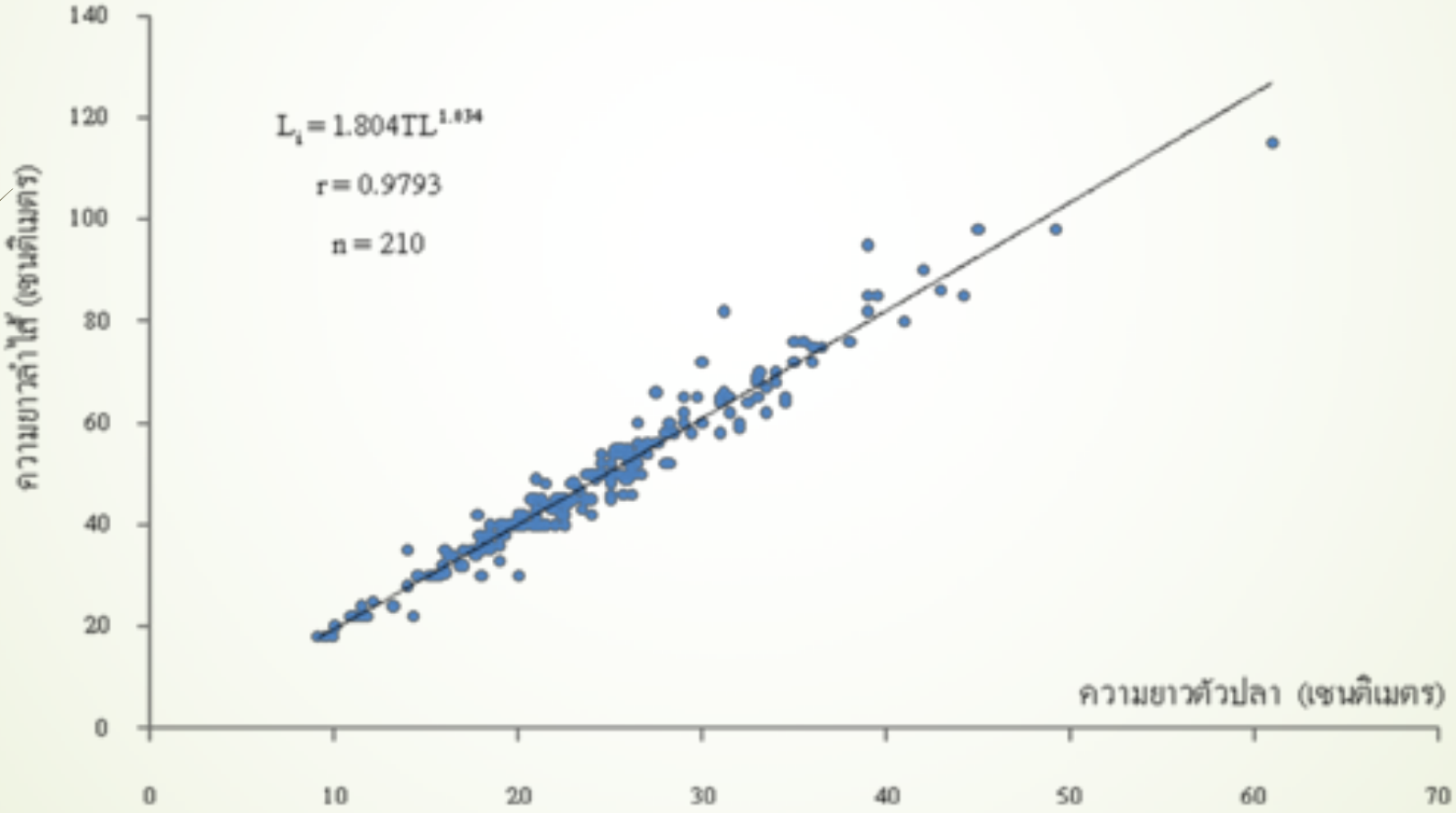
Neolissocheilus sumatranus

Neolissocheilus vittatus

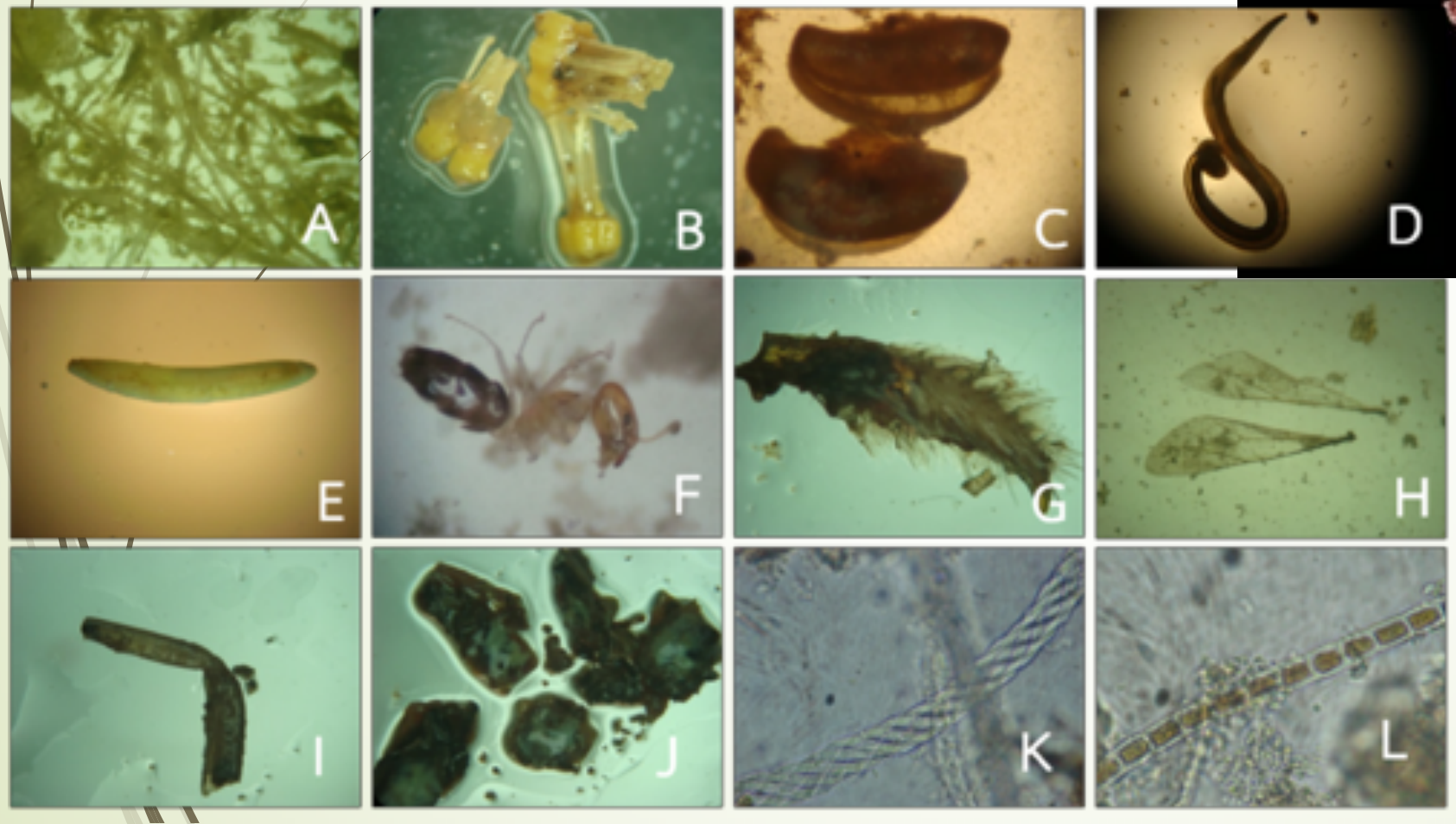
Neolissocheilus sp.

Biology

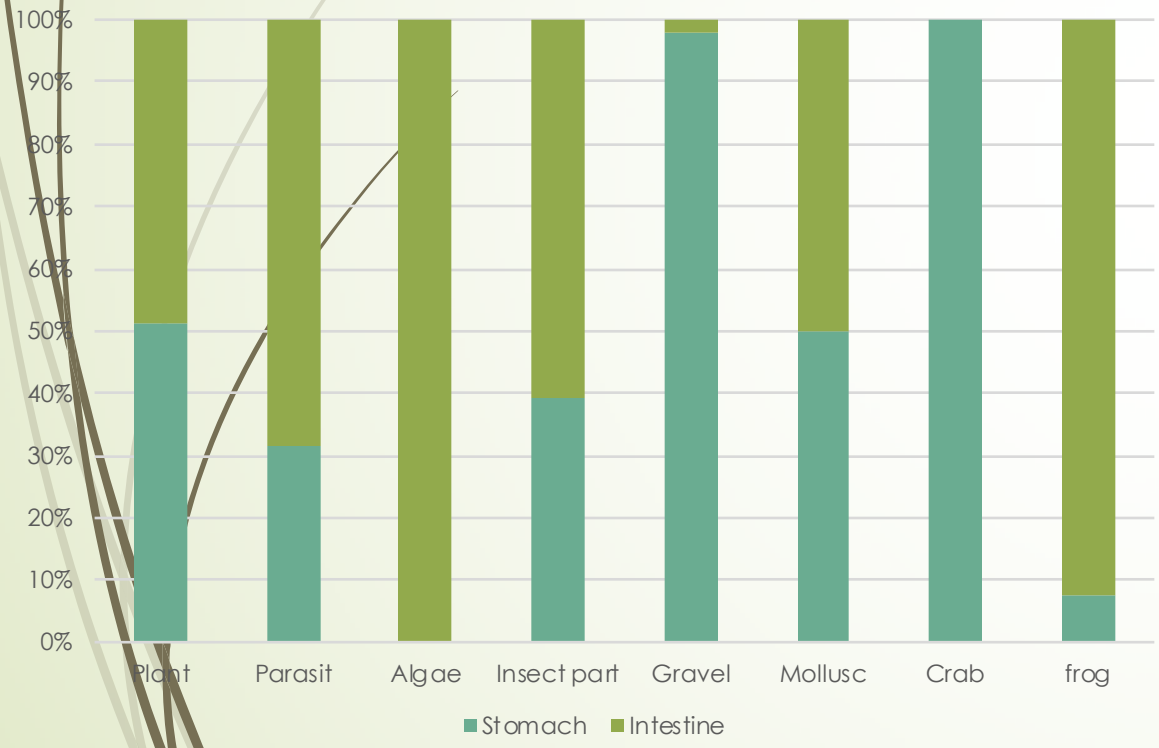
Relationship between Intestinal length and standard length

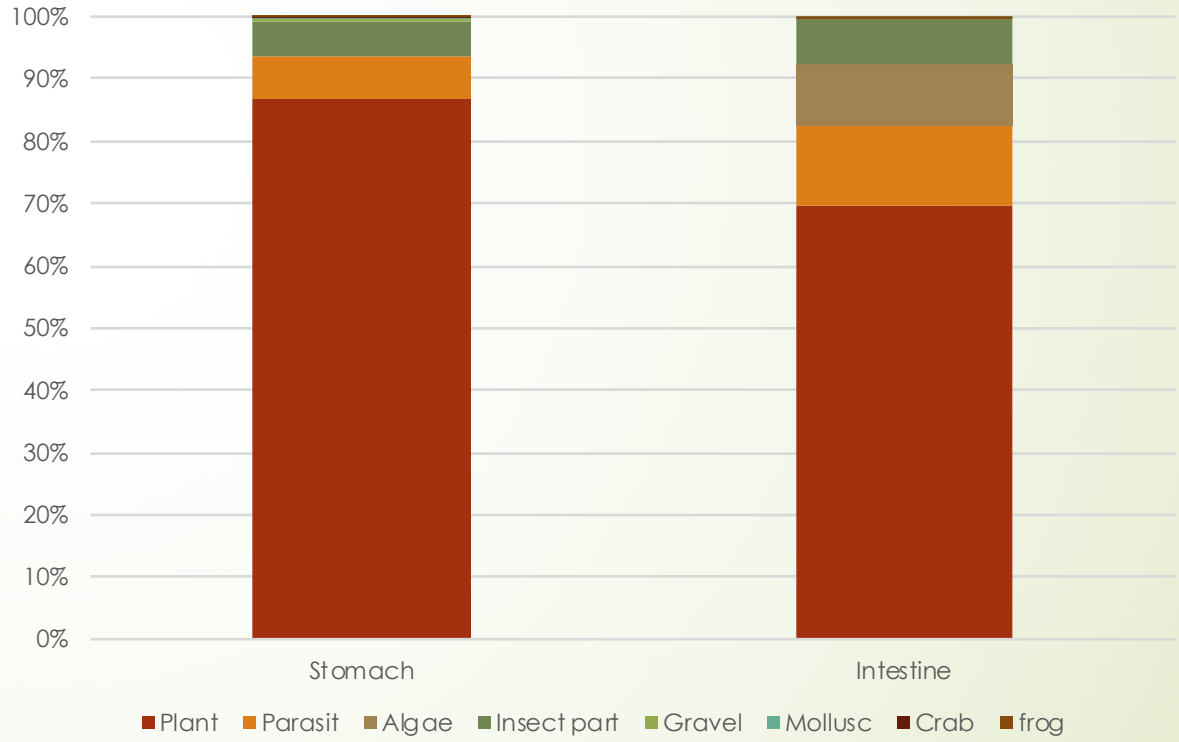


Feeding behavior

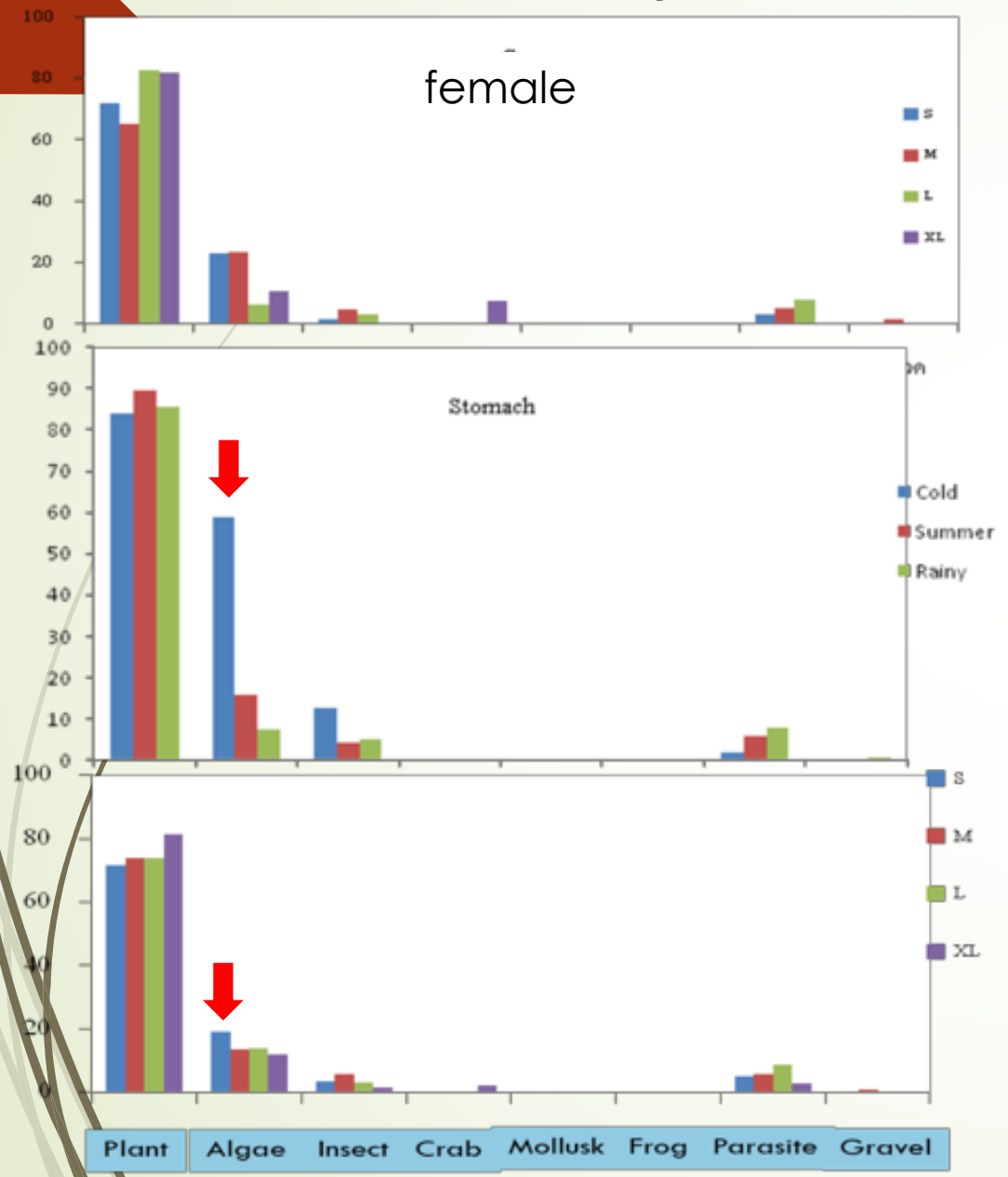


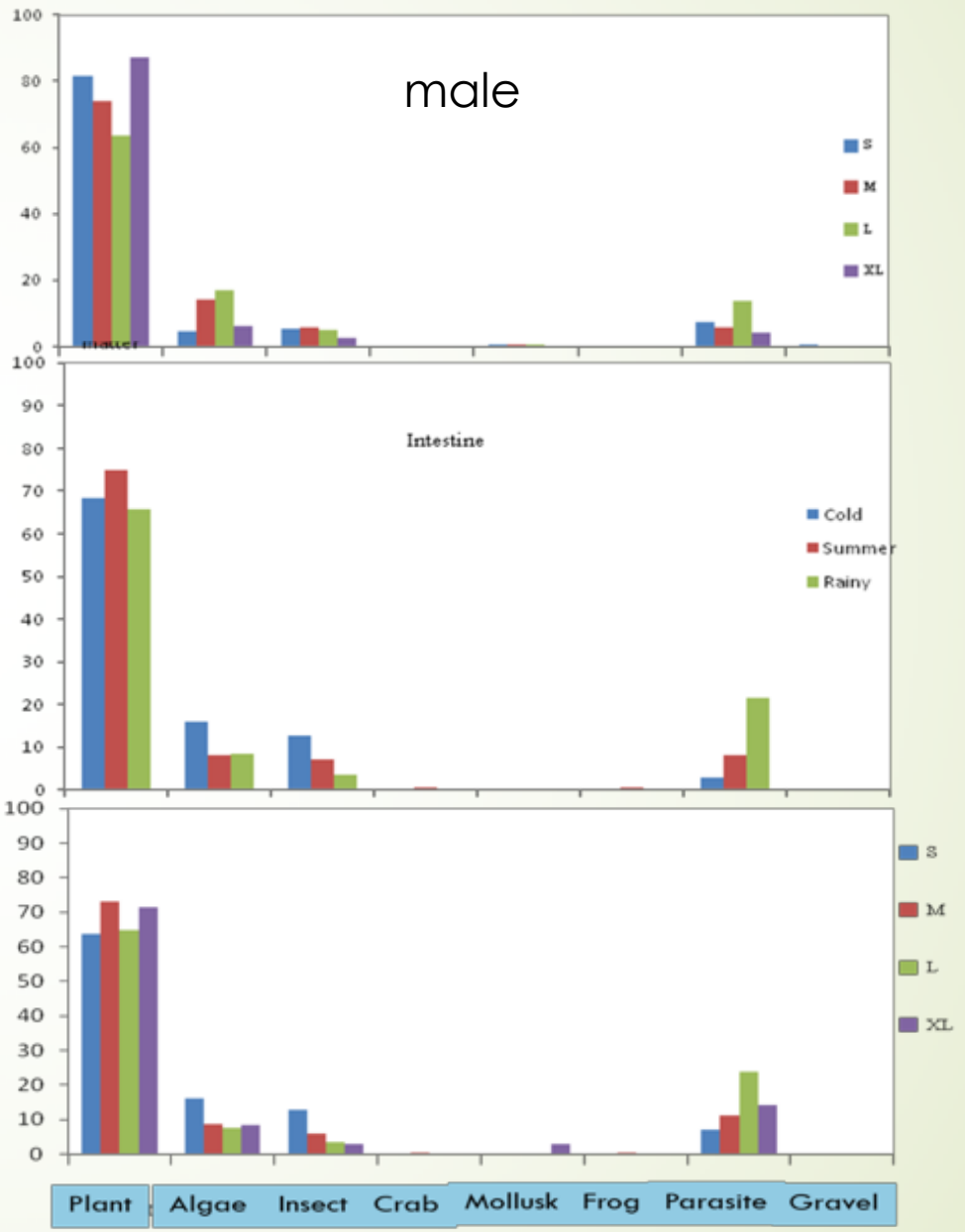
Feeding of the *Neolissocheilus*



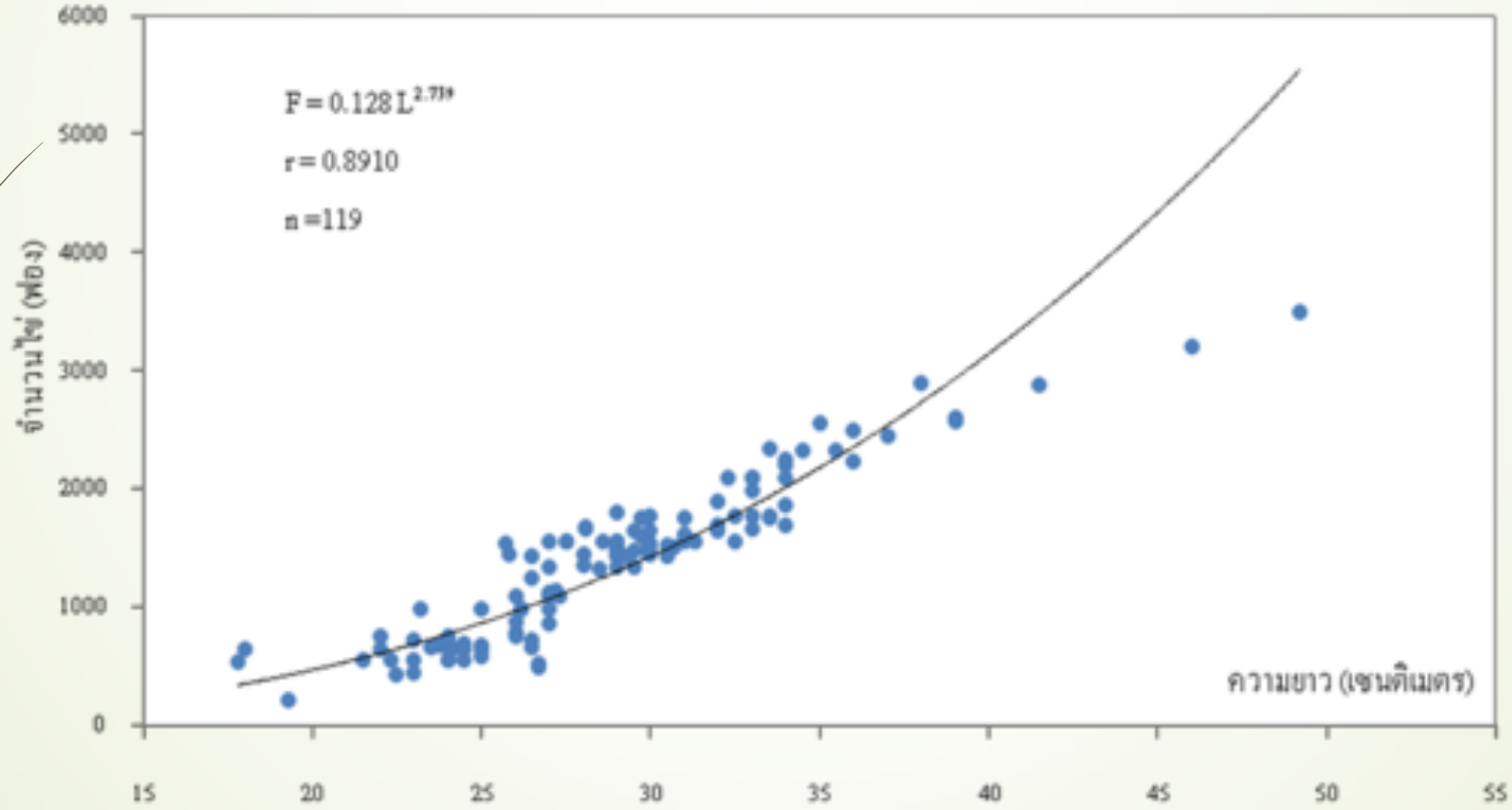


Food: compared in stomach and intestine



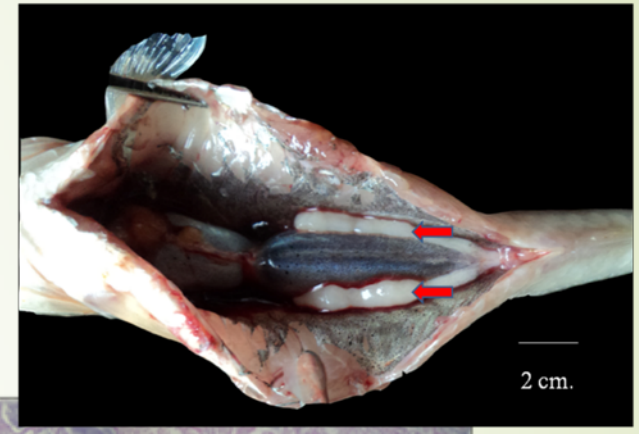


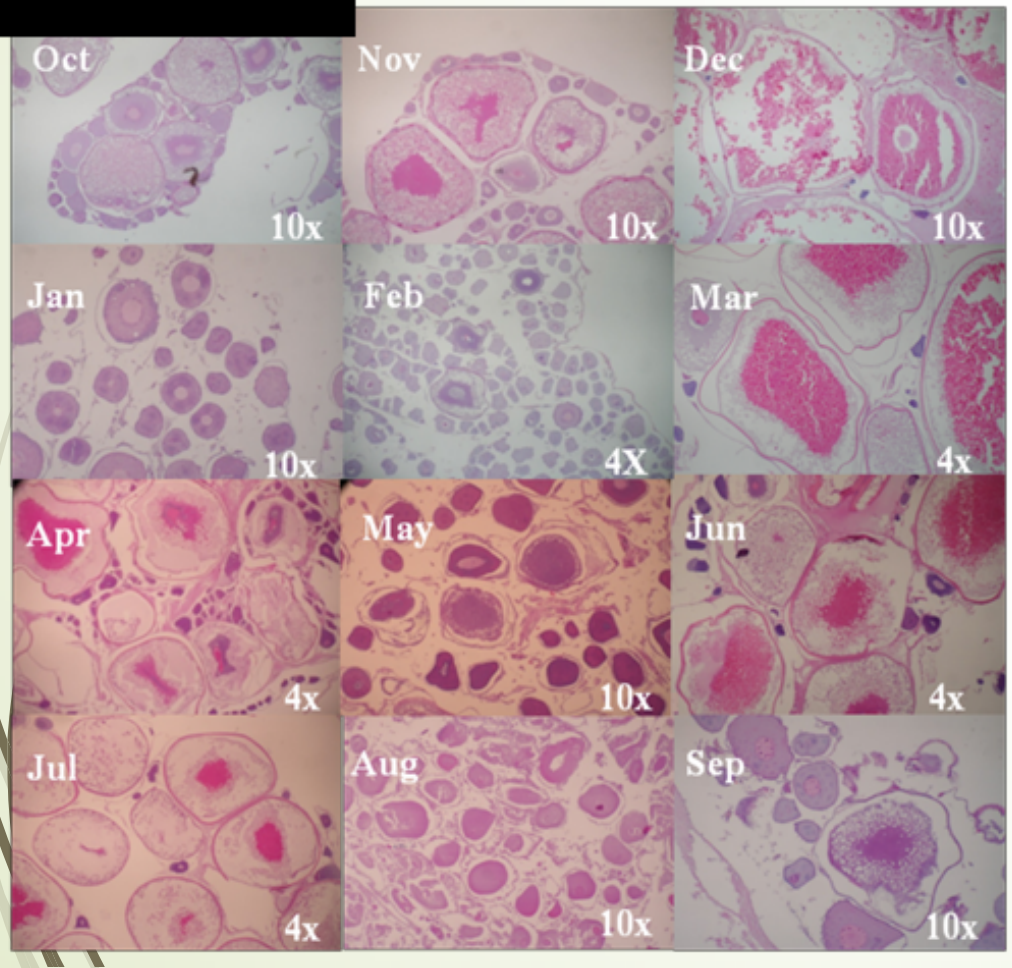
Fecundity

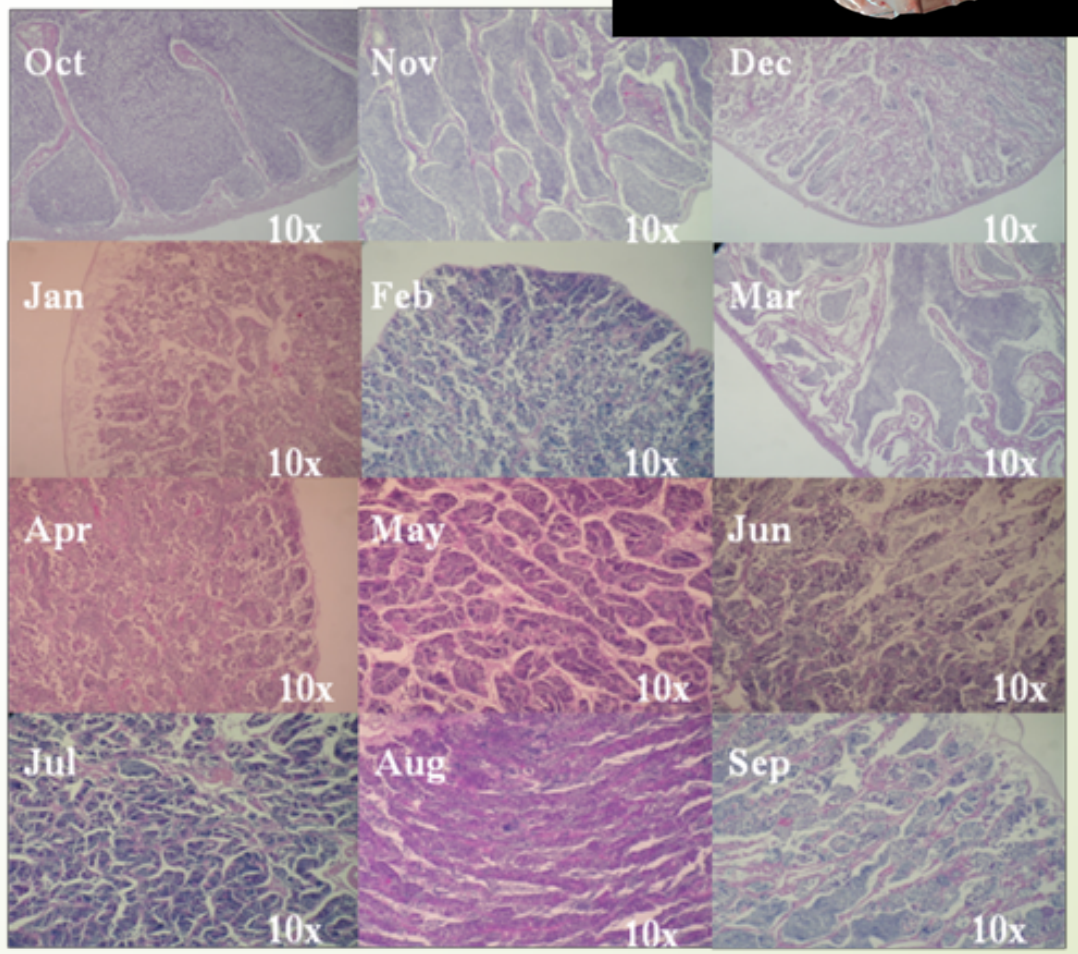

F = 0.128 L^2.739
r = 0.8910
n = 119
จำนวนไข่ (ฟอง)
ความยาว (เซนติเมตร)
6000
5000
4000
3000
2000
1000
0
15
20
25
30
35
40
45
50
55

Sex

Gonad development

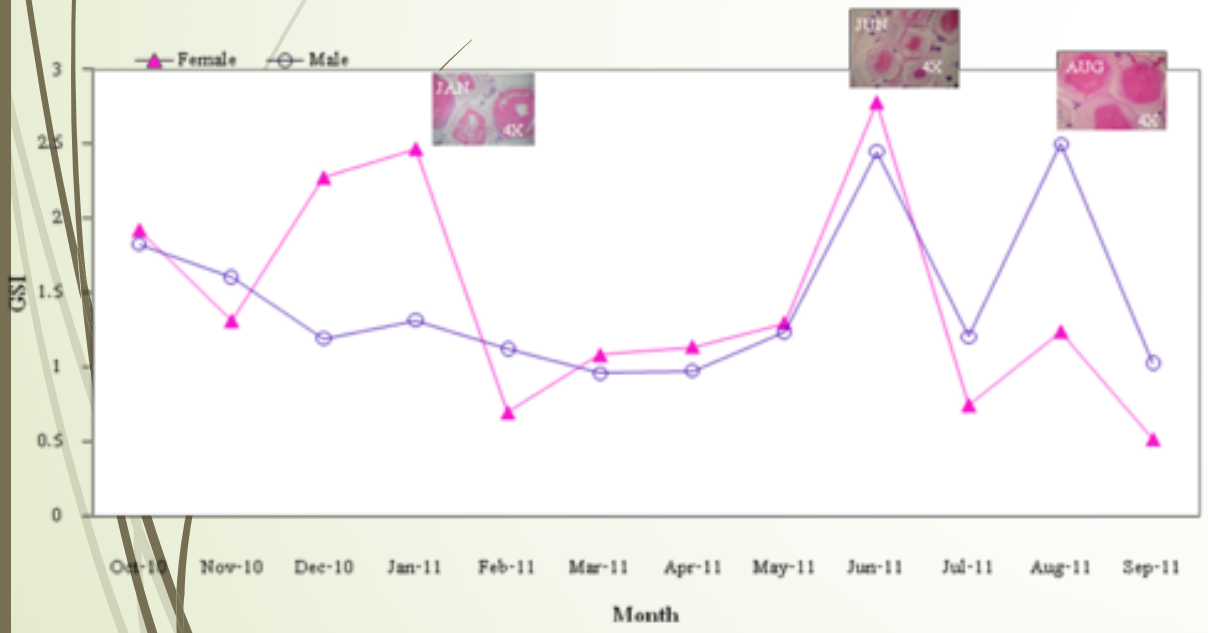




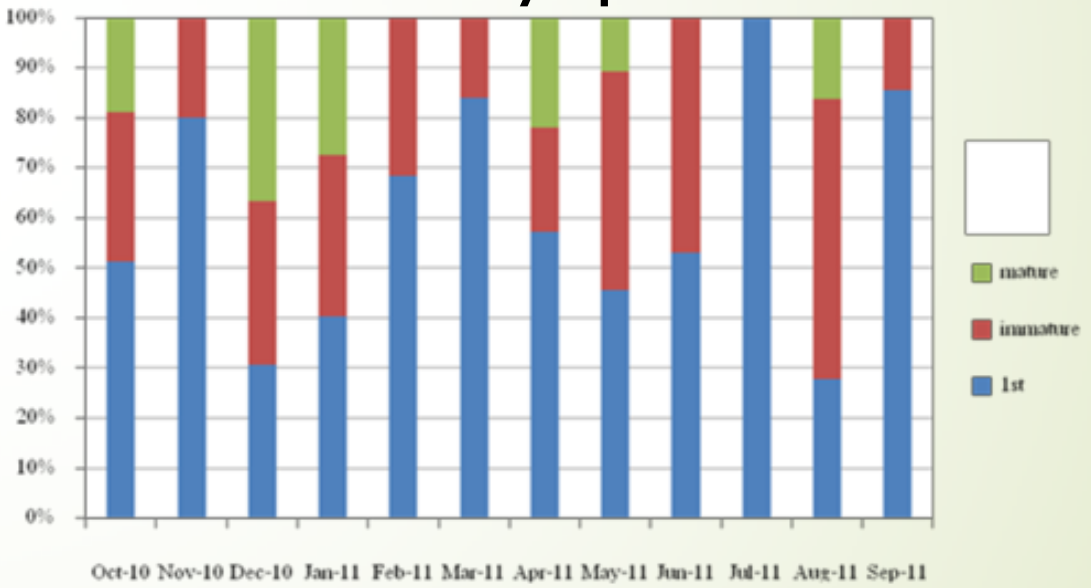


Spawning season

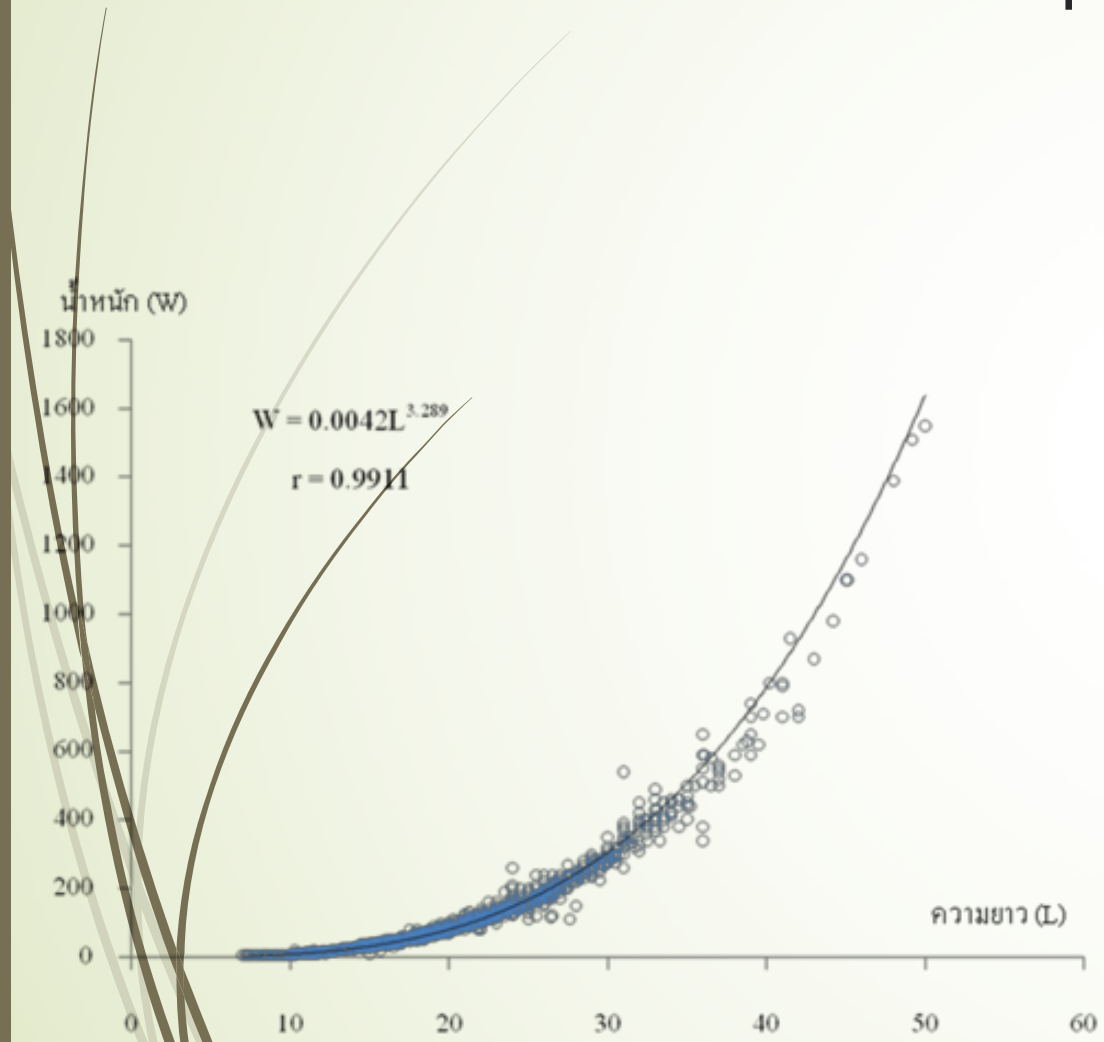
GSI

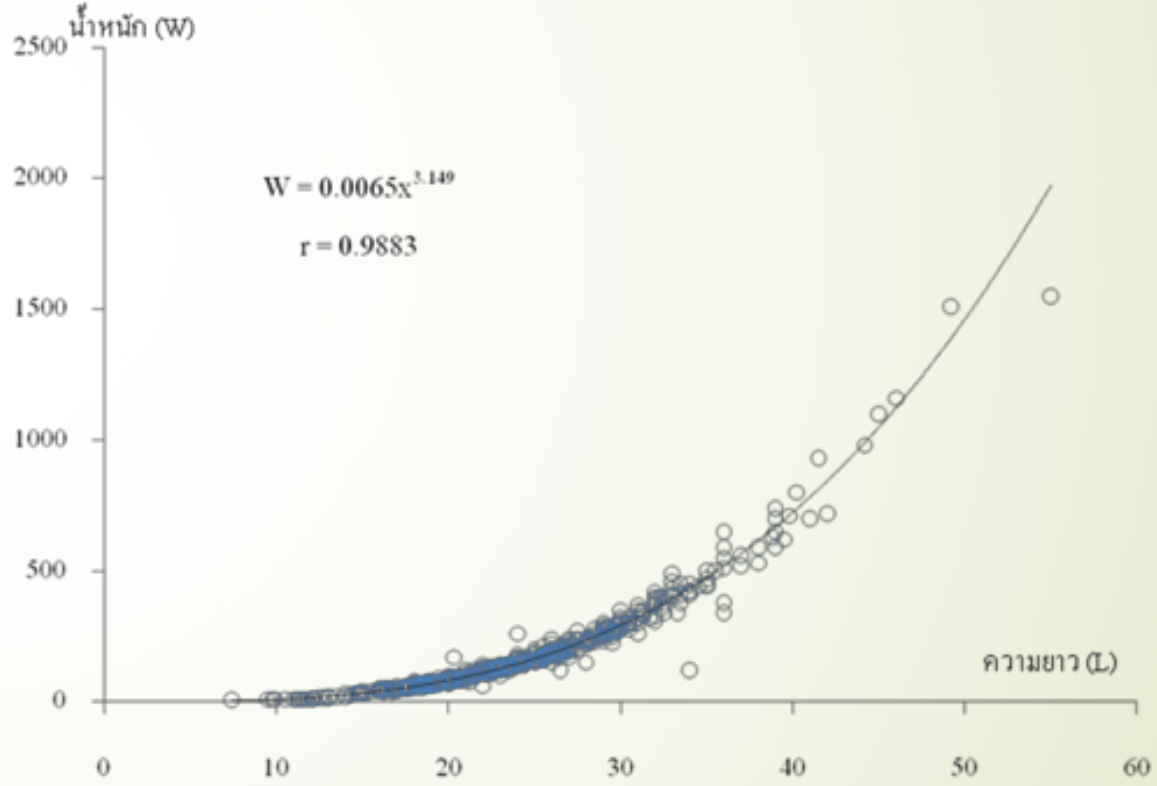


Maturity phase

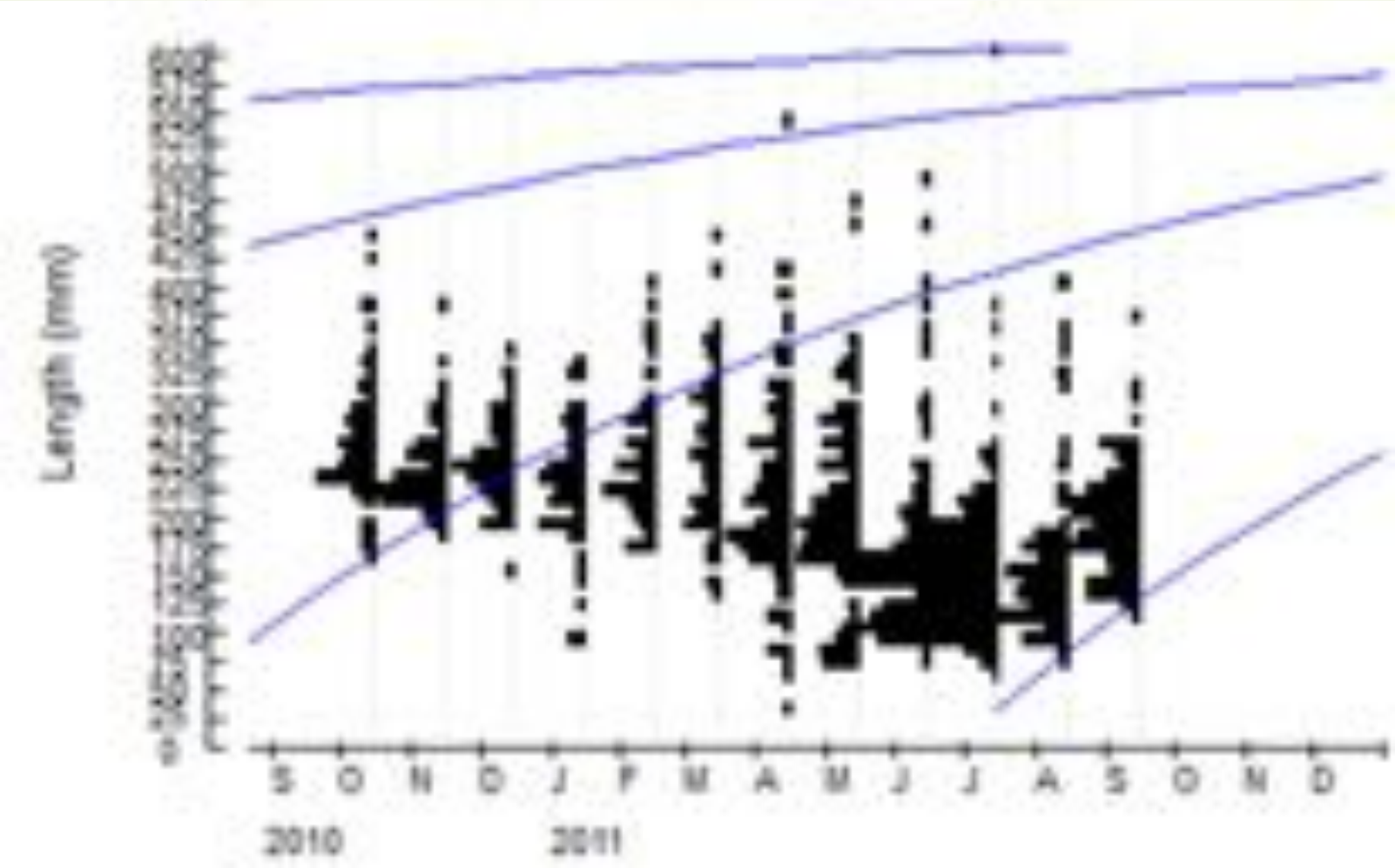


L&W relationship

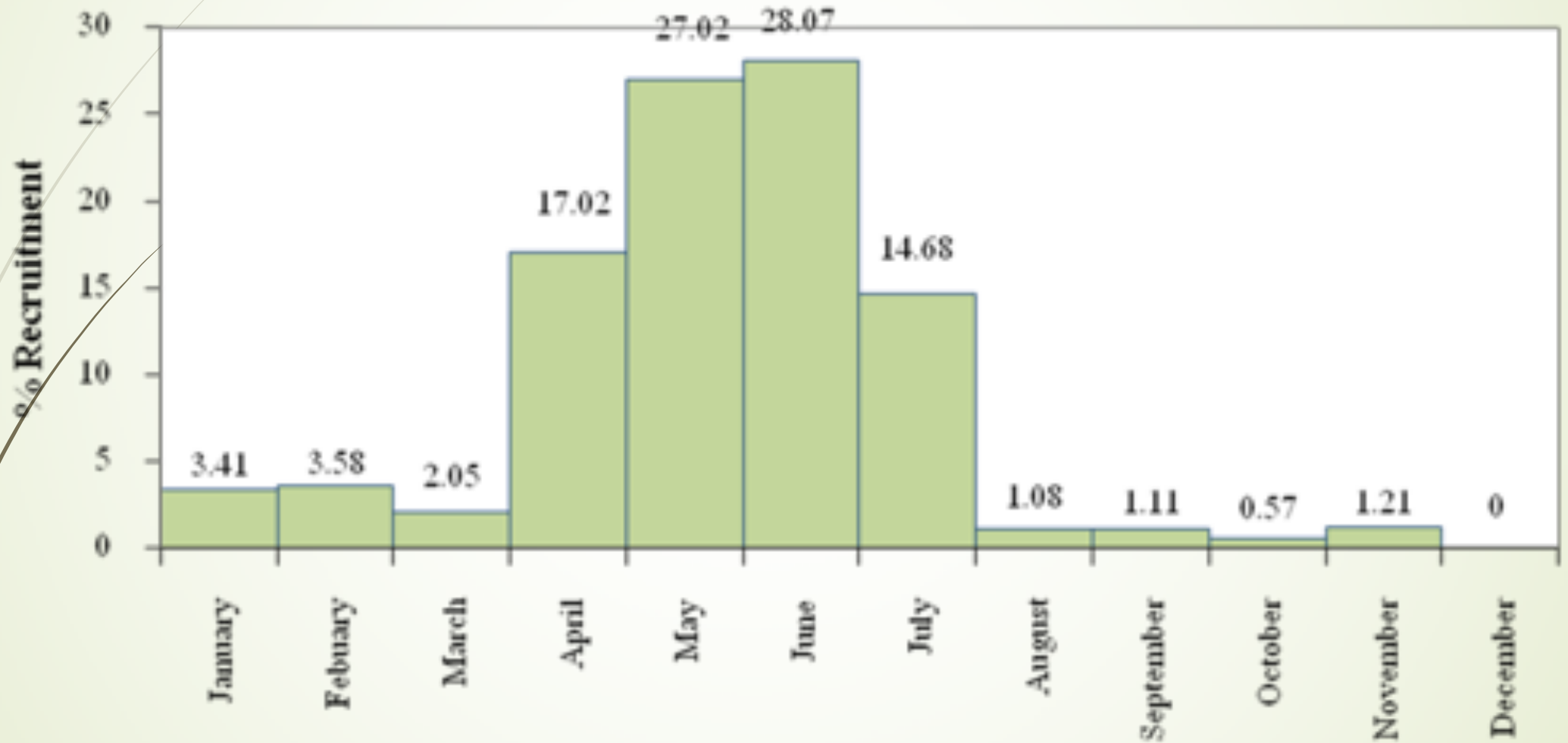




Length distribution



Recruitment



Conservation strategy

1. Aquatic resources training for local youth

2. Fish culture for local people

Fish culture in the mountainous area

2. Fish breeding transfer

3. Reservation

80 national parks 11.0% (60,000 km^2)
57 wild life sancturay 5.45%
many Reserve area 7.35%
Totally 33.8%

Re-habitat

Aquatic Habitat Conservation and Management





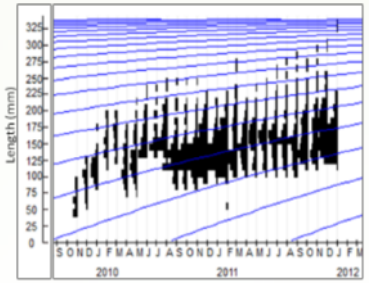


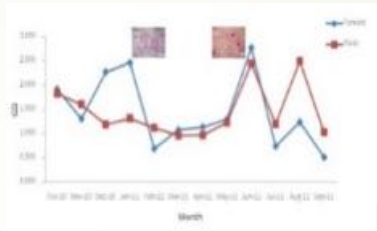


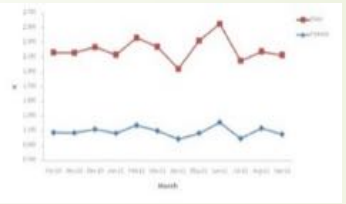


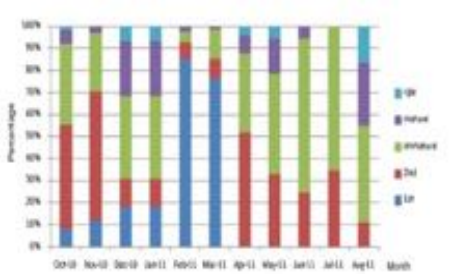

Restocking

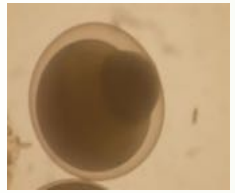

นิเวศวิทยาปลาน้ำไหลในอมก๋อย (Omkoi stream fish ecology)

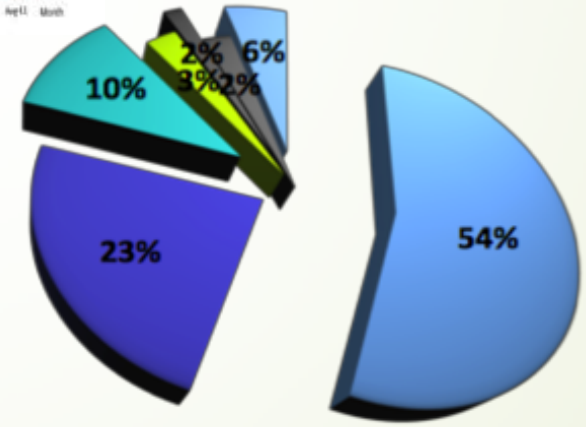

Length (mm)
S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M
2010
2011
2012
Year

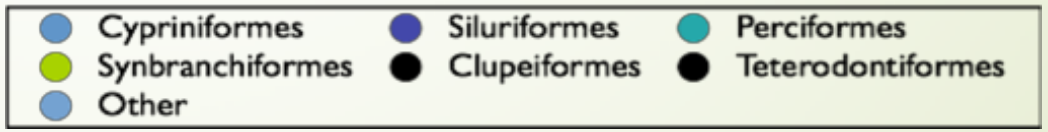









10%
2%
3%
2%
6%
23%
54%


Cypriniformes
Siluriformes
Perciformes
Synbranchiformes
Clupeiformes
Teterodontiformes
Other

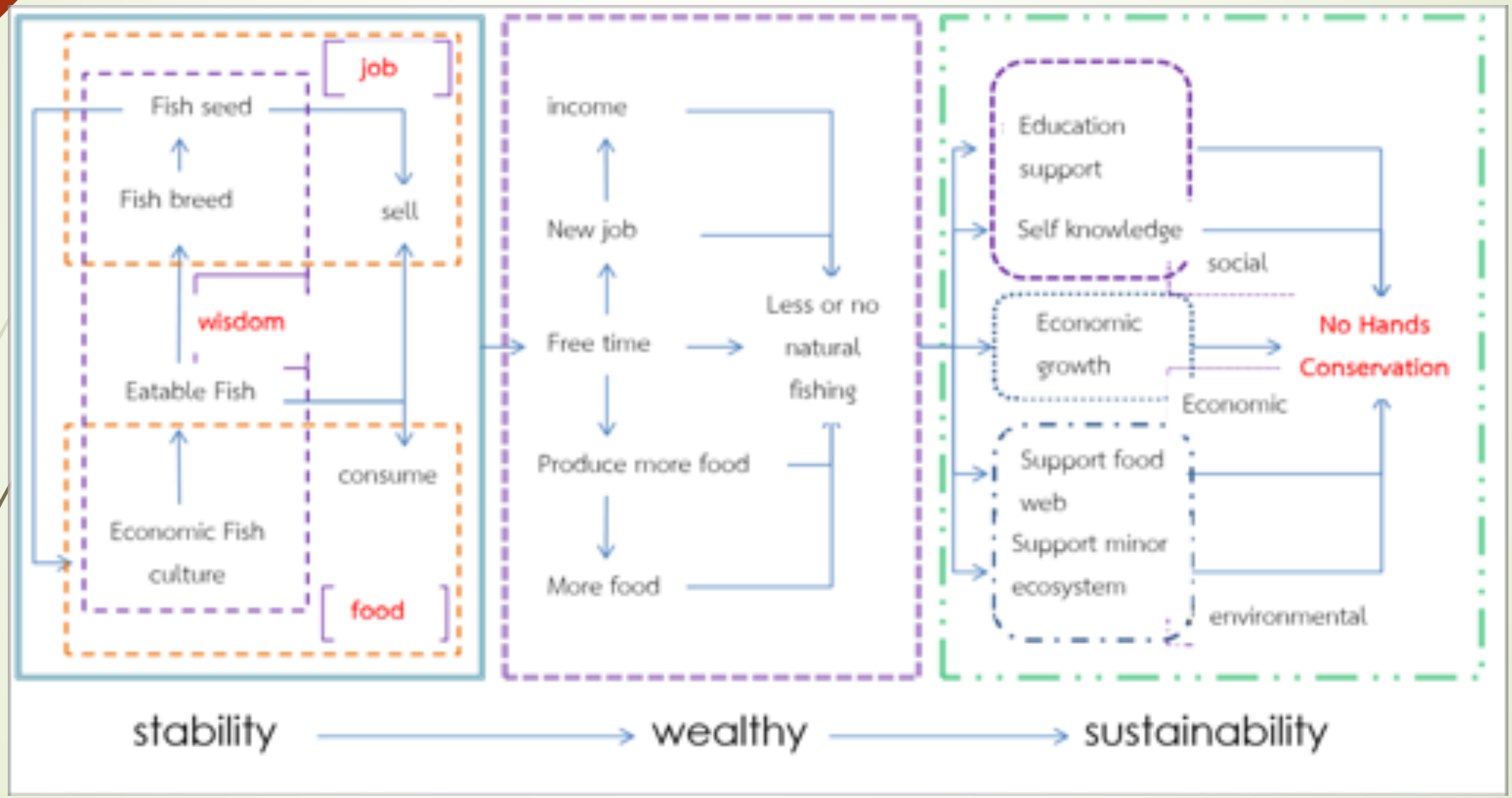
Released!


ปลาหมอ
ปลาตุก
ปลาไหล
เงินทองไหลมาเทมา
กิจการงานลื่นไหล


ปล่อยทุกตัว...
มีความหมาย

Conclusion

No Hands Conservation



subject

Research

ecotoxicology

herbicides

diversity

Area & problem base

training

Environmental care

fisheries

pig

cow

chicken

herbs

Fig and processing

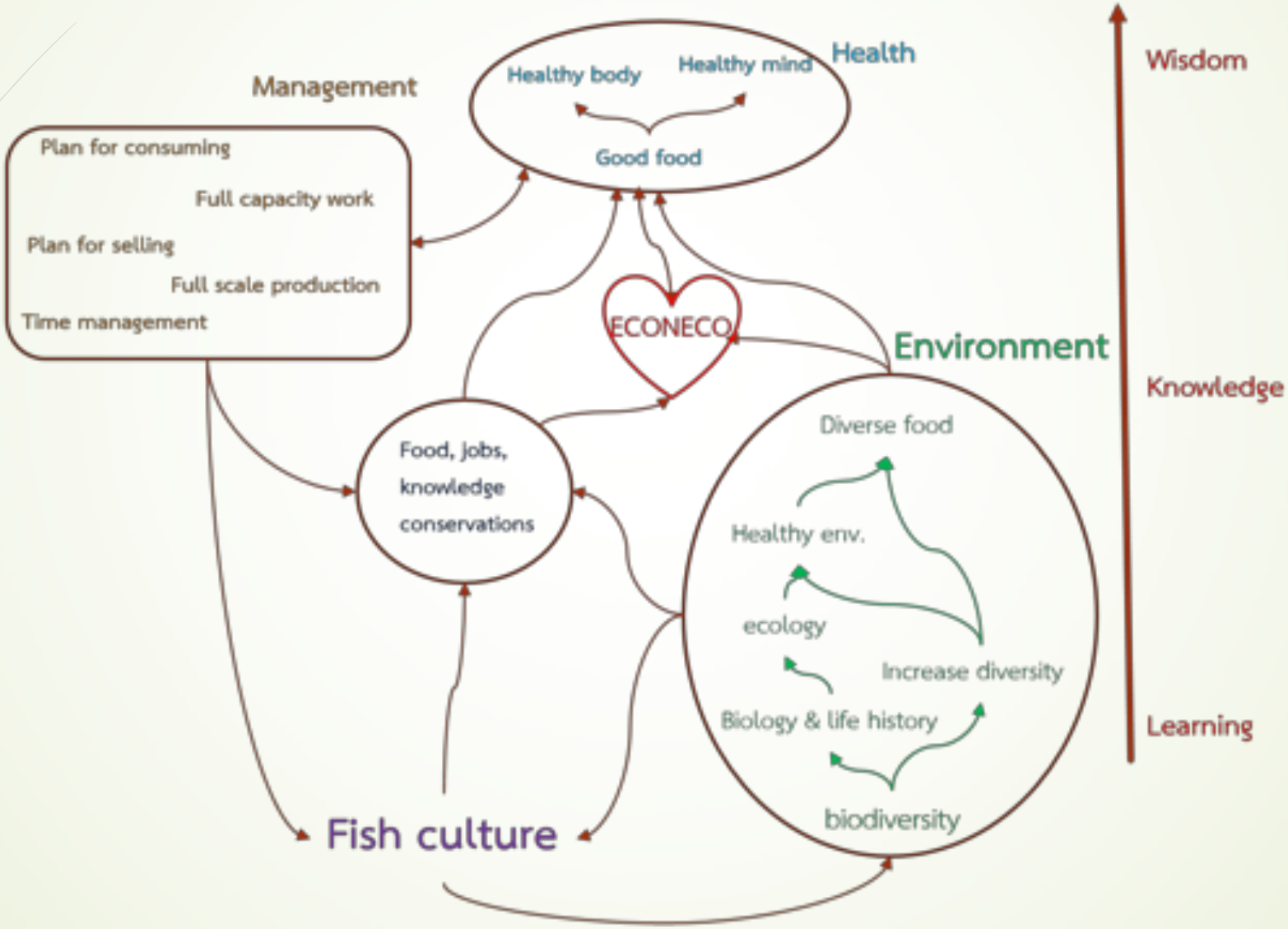
Household account

Protected area

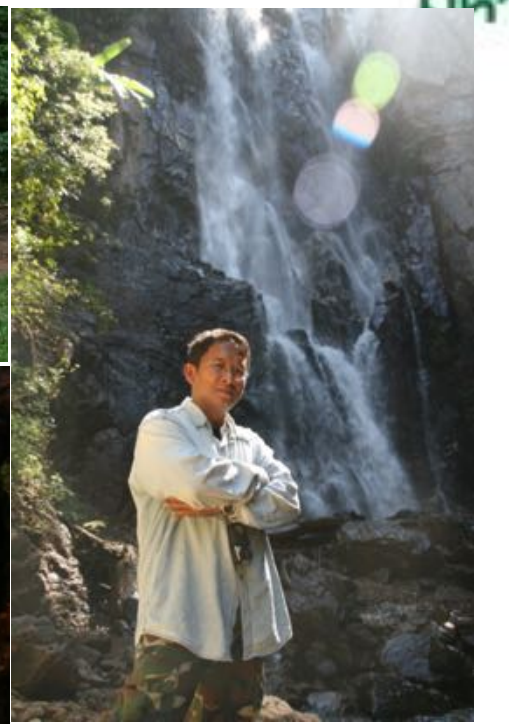
Food, occupations and learning

Head water development prototype

ECONECO


Management
Plan for consuming
Full capacity work
Plan for selling
Full scale production
Time management
Health
Healthy body
Healthy mind
Good food
ECONECO
Environment
Food, jobs,
knowledge
conservations
Diverse food
Healthy env.
ecology
Increase diversity
Biology & life history
biodiversity
Fish culture
Wisdom
Knowledge
Learning





Thank you

Give a man a fish - you feed him for a day;
Teach a man to fish - you feed him for a life;
Teach a man to culture fish - you feed his family;
Teach a man to breed fish - you feed his community;
Teach a man to conserve fish - you feed his environment;
Teach a man to no hand conservation - you feed them dynamics sustainable.