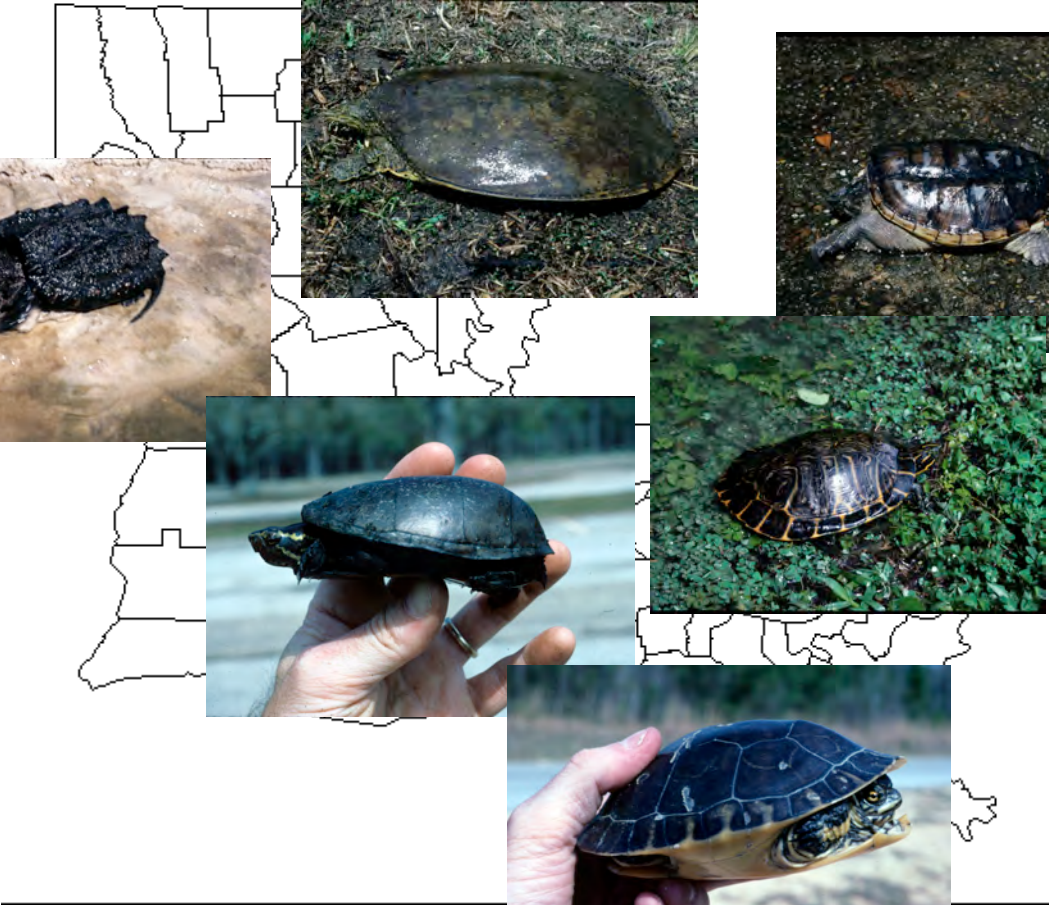
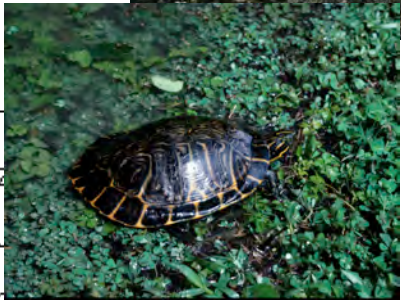


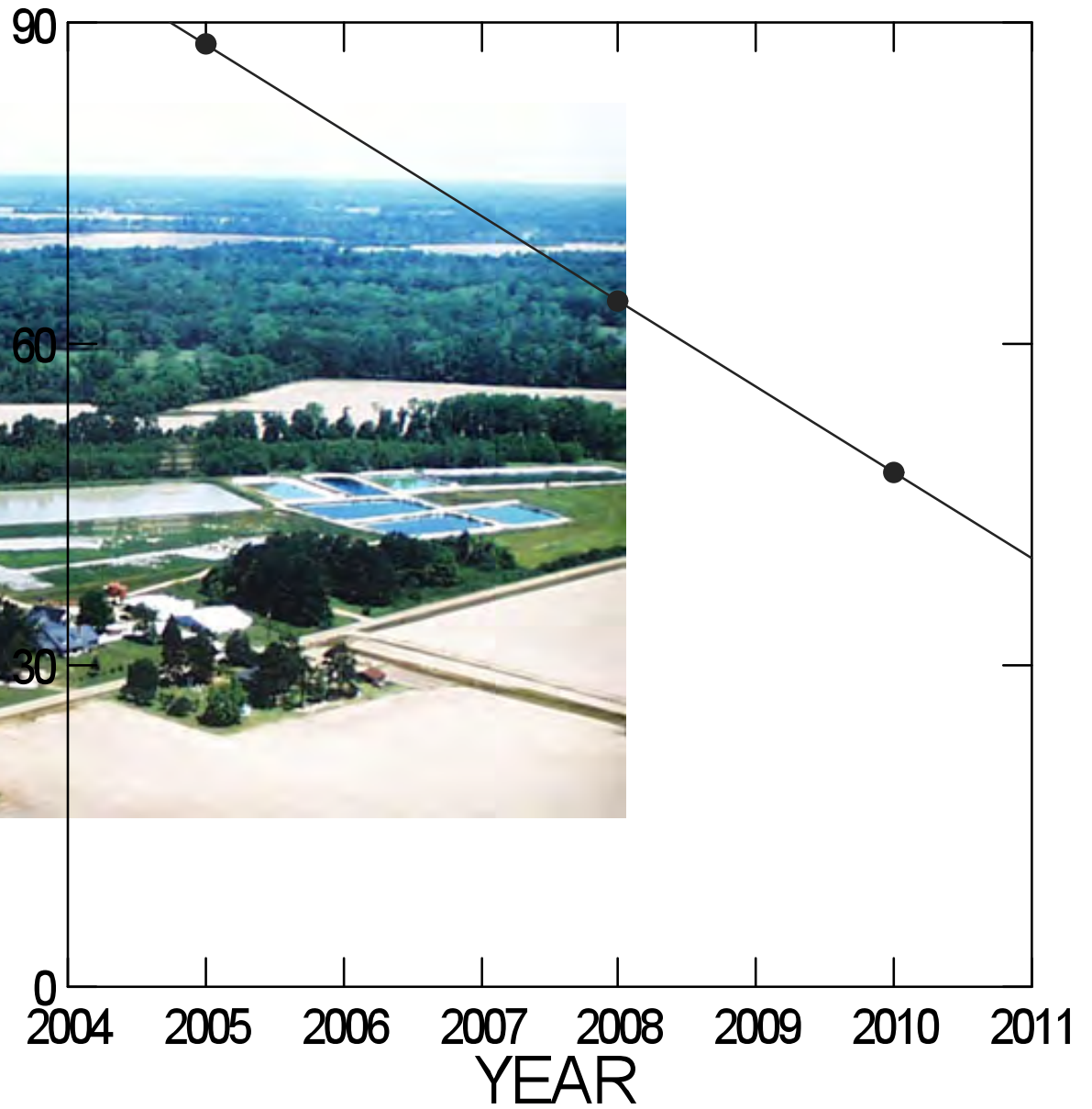
TURTLES IN LOUISIANA



RED-EARED SLIDER – 1988 vs 2009

- 1 some illegal trade
- 2 100,000 female RES from wild each year
- 3 6 months = tens of thousands trapped for food – shipped to Asia
- 4 trappers must expand areas to trap
- 5 declines noted (1984-1988)
- 6 trade in RES is widespread and increasing
- 7 CITES list would allow data of exact numbers traded
- 8 hatchling turtles carry salmonella₁

TURTLE FARMS

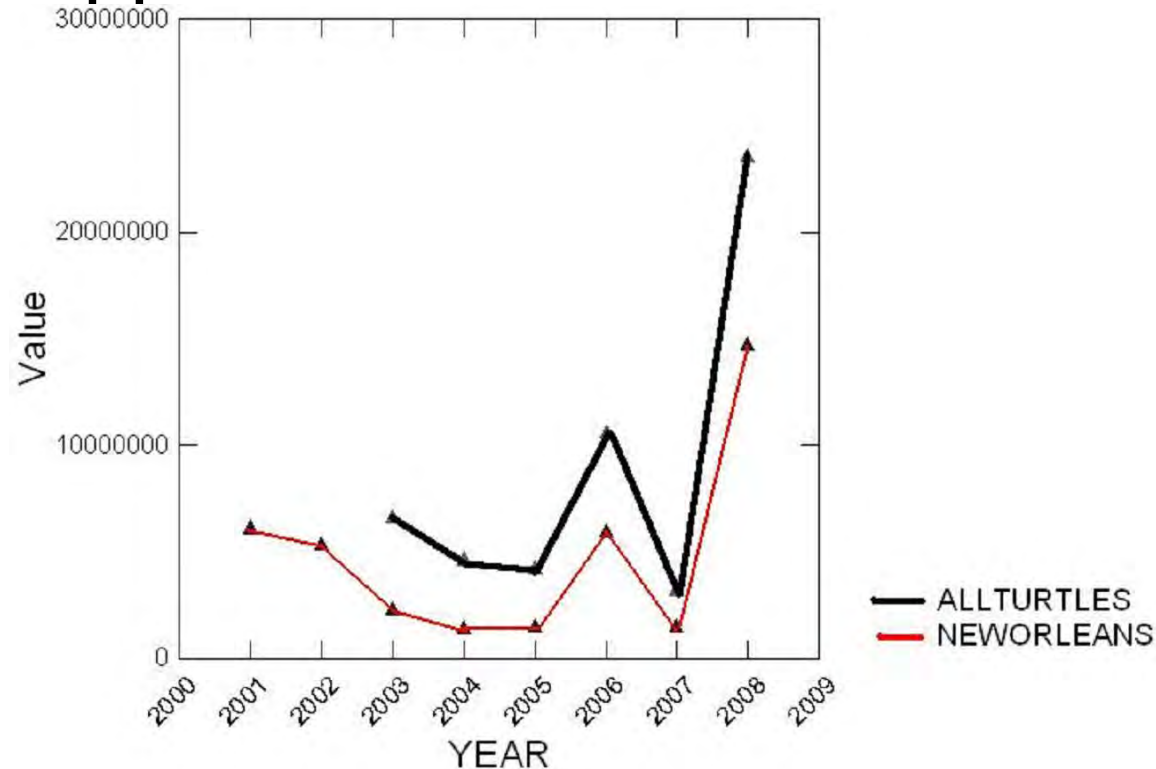


BANS – TRENDS - DIVERSIFICATION

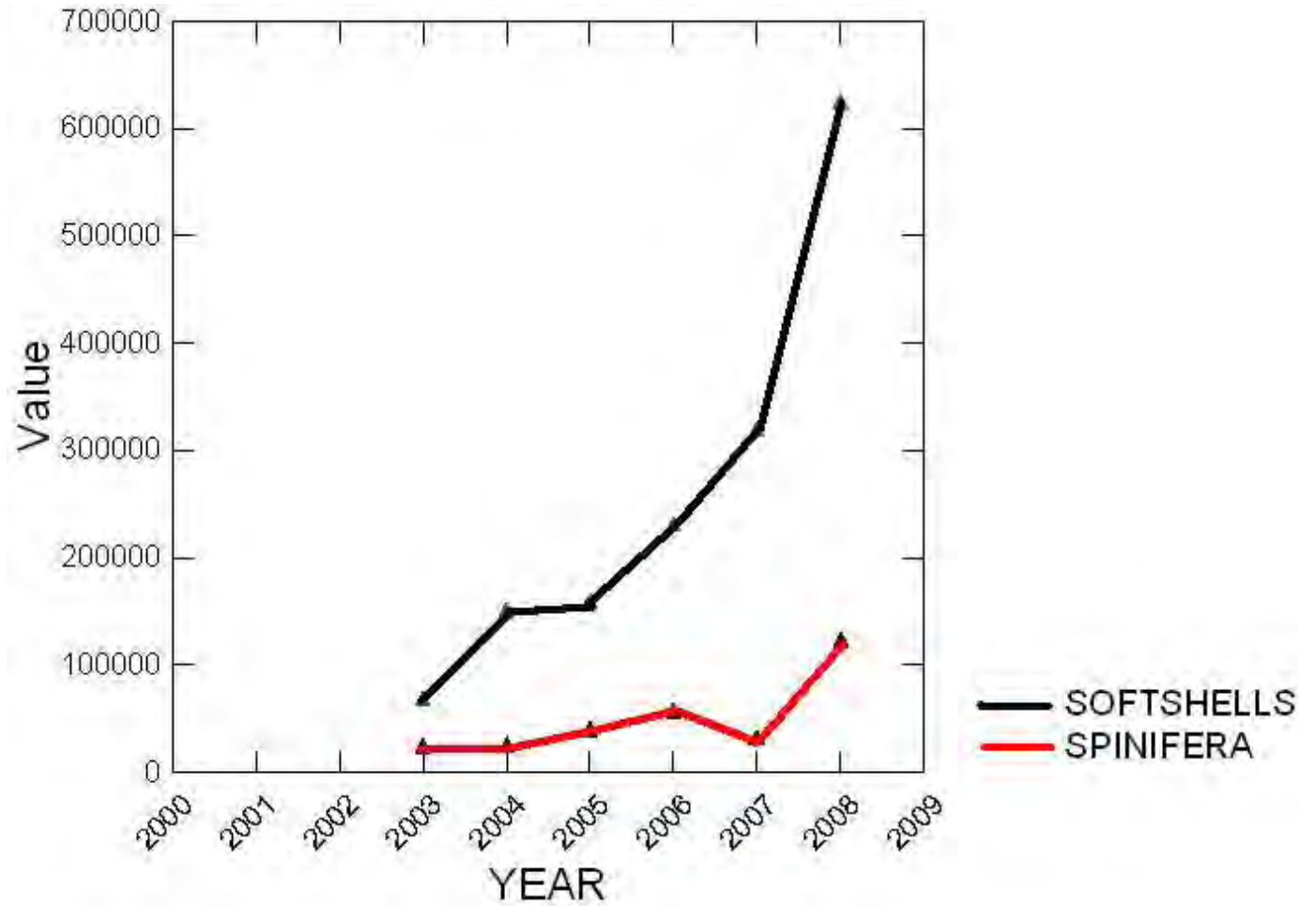


LEMIS DATA

- 2003-2008 – 77,841,396 turtles
- 68% shipped from New Orleans



APALONE



TURTLES AS FOOD

- Chelydra + Apalone ferox
- \$1.25 lb
- New Orleans
- 171 Chelydra, 423 Apalone/ yr

NUISANCE TURTLES

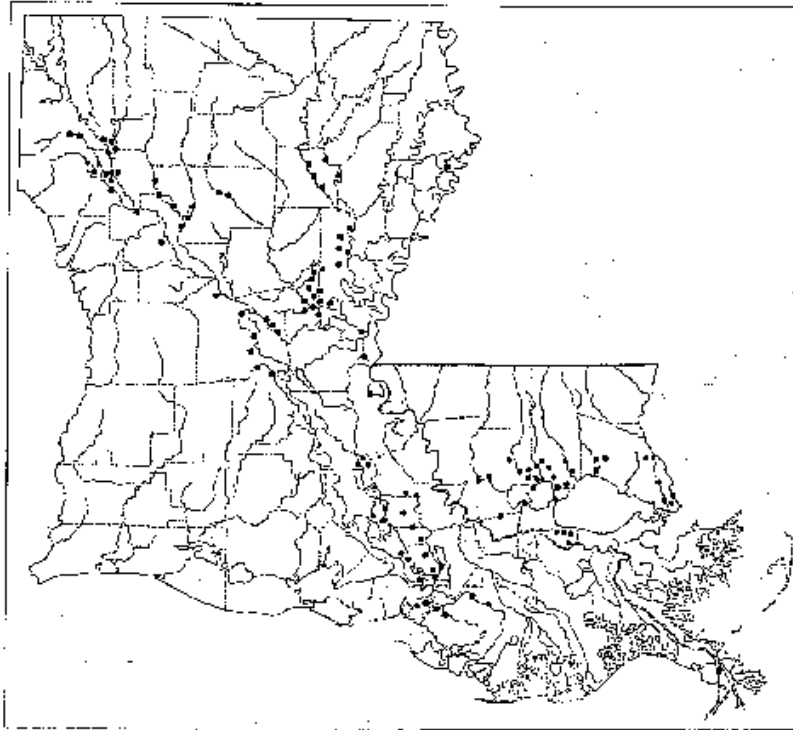
TURTLE SURVEYS



ALLIGATOR SNAPPING TURTLE



SURVEY RESULTS



8421 Trap Nights

123 Sites

541 Alligator
Snappers

Fig. 1. Location of Sites trapped for Alligator Snapping Turtles during the present surveys.

Demographics

- Seasonality: 0.052 vs 0.070
- Water Body: 0.075 vs 0.045
- Juveniles – 43%
- Sex Ratio – 49:51
- Weight – mean 18 kg : 13 kg

HARVEST HISTORY

» Harvest

No harvest

- % juveniles ns
- Sex ratio ns
- Weight 12.0 8.9
- Trap rate 0.05 0.07

Missing cohorts

1997

2007

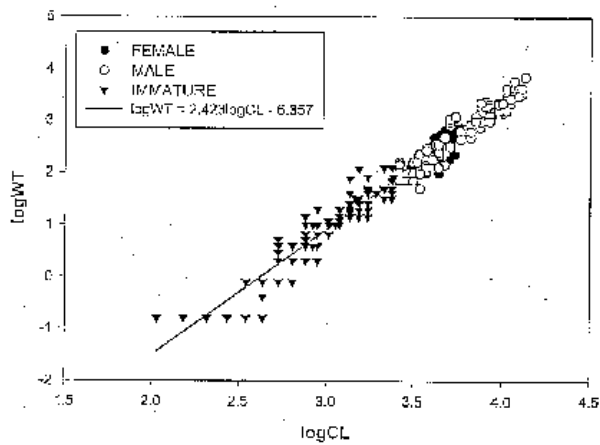
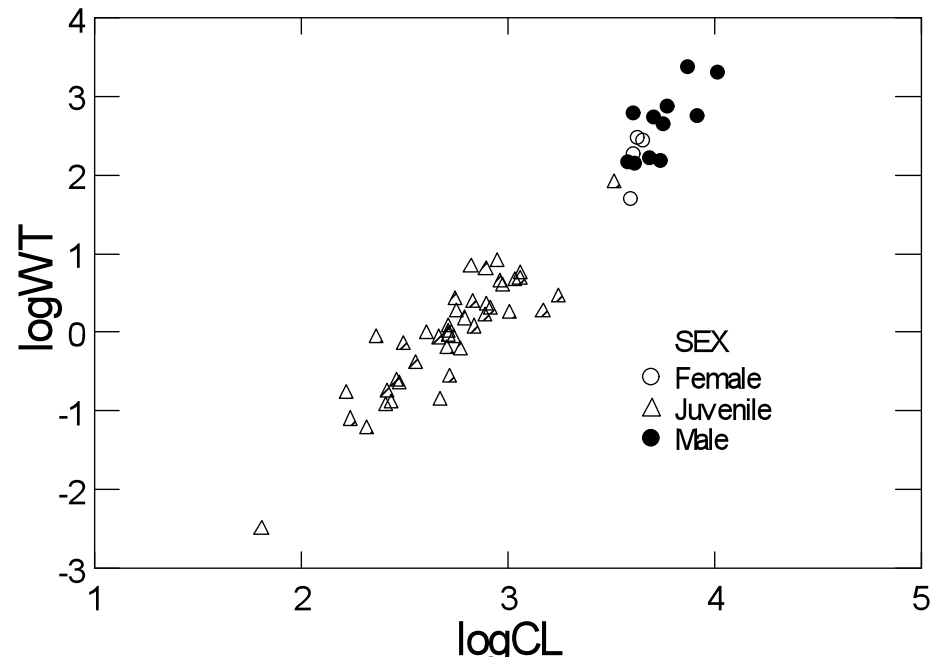
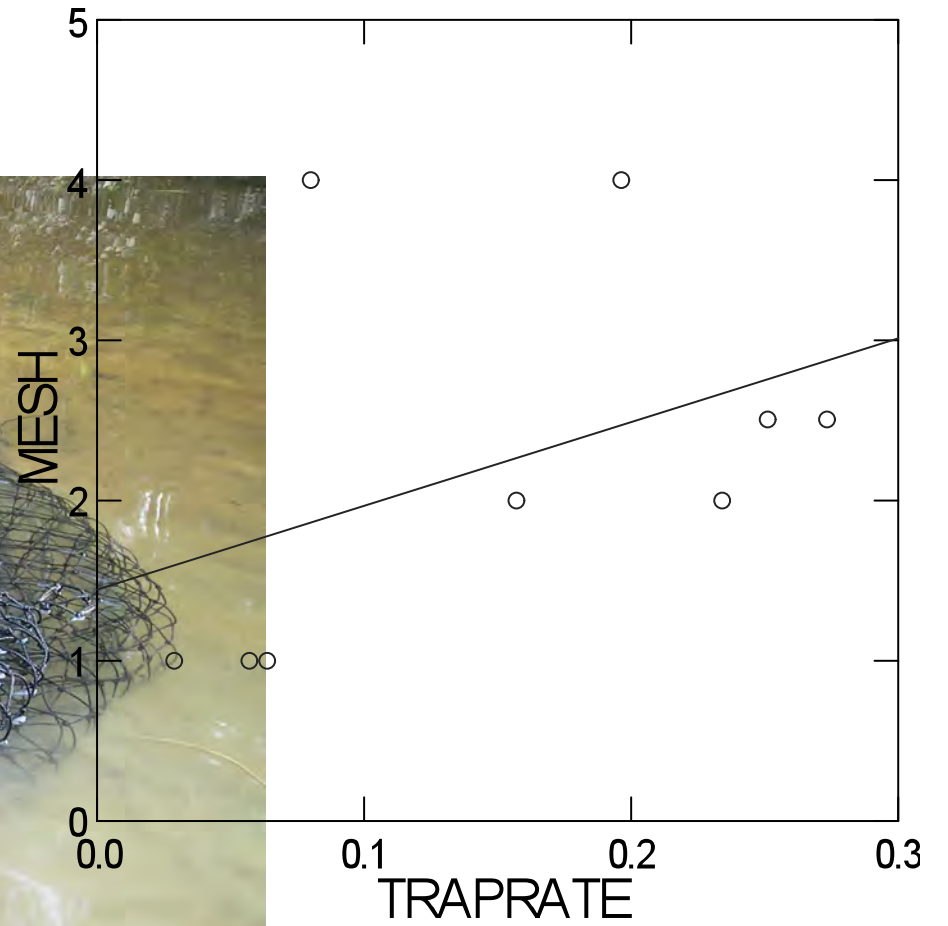


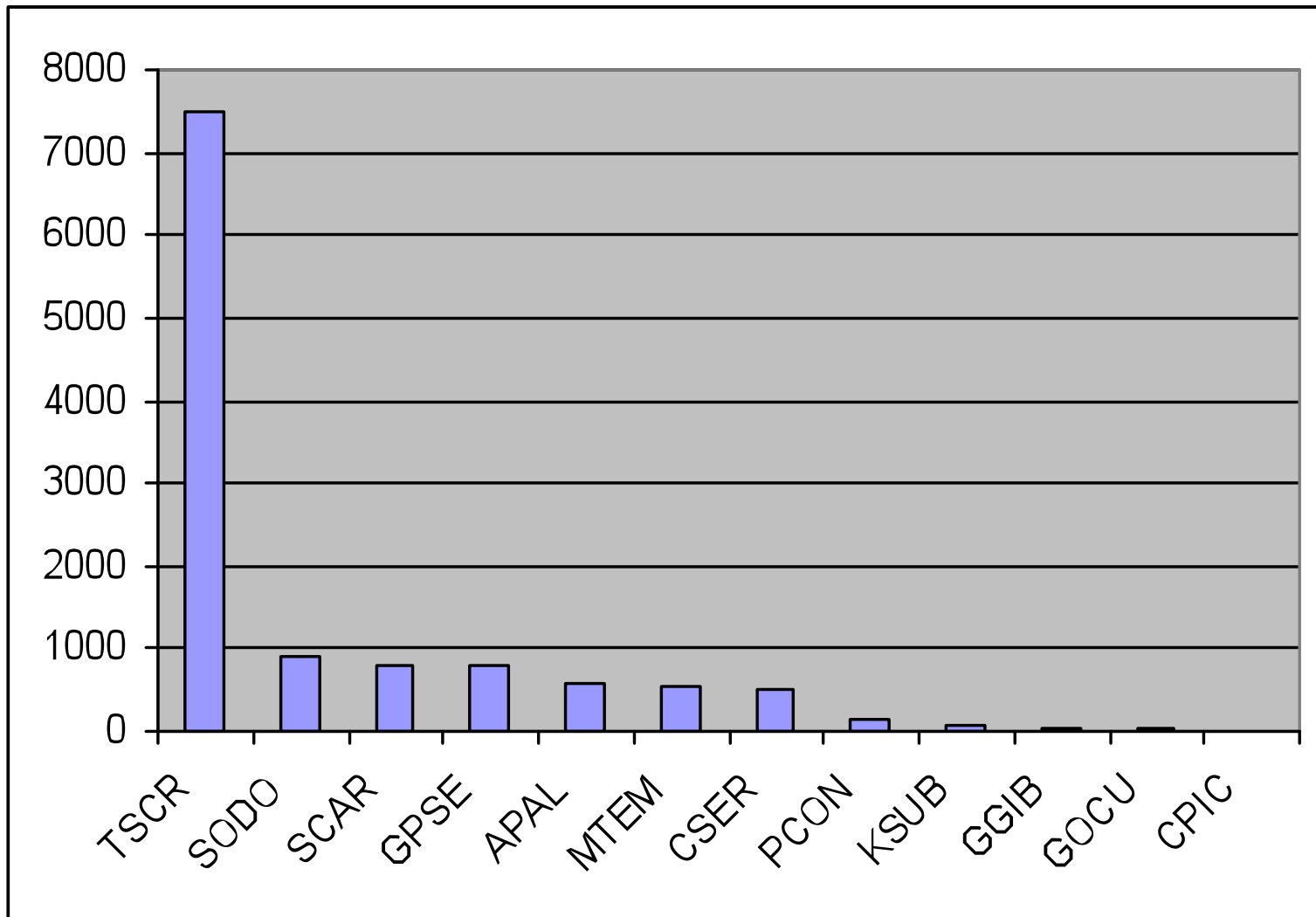
Fig. 2. Logarithmic weight/carapace length relations for Alligator Snapping Turtles.



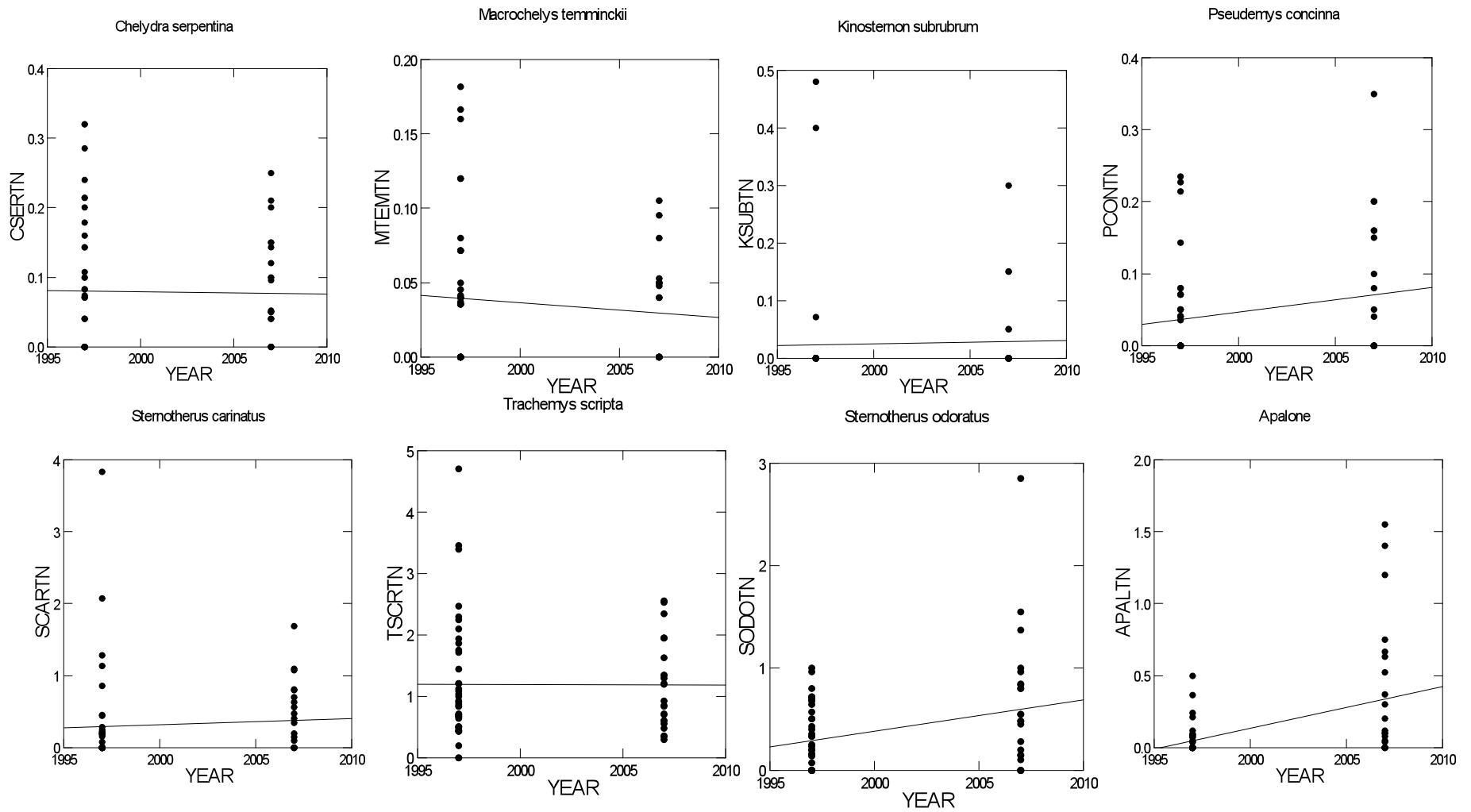
MESH SIZE



TOTAL TURTLES 8421 trap nights



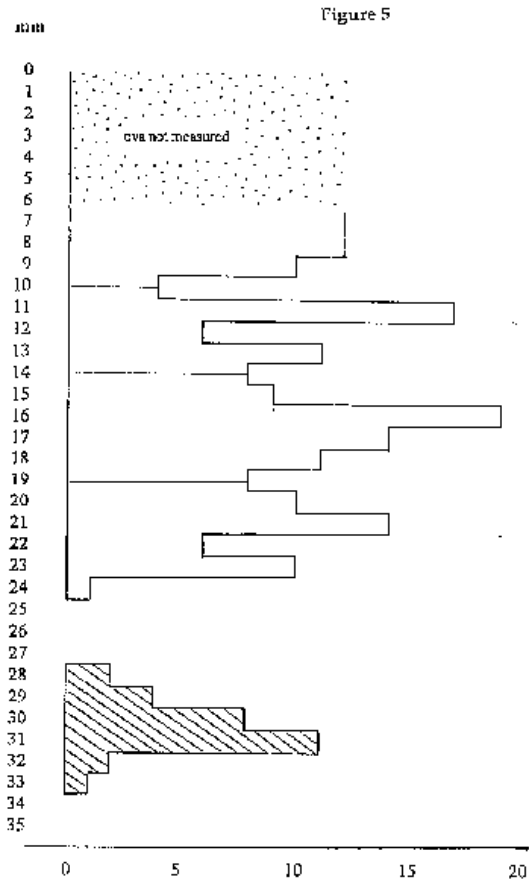
TEN-YEAR RESURVEY



BOX TURTLES



DEMOGRAPHY



Size classes of eggs and ova from dissected box turtles; shading represents shelled, oviducal eggs.

- 5 eggs per clutch
- 441 box turtles from 7 sites
- Females mature at 7/8 years at ~12 cm CL
- Sex ratio 58:42

Harvest effects

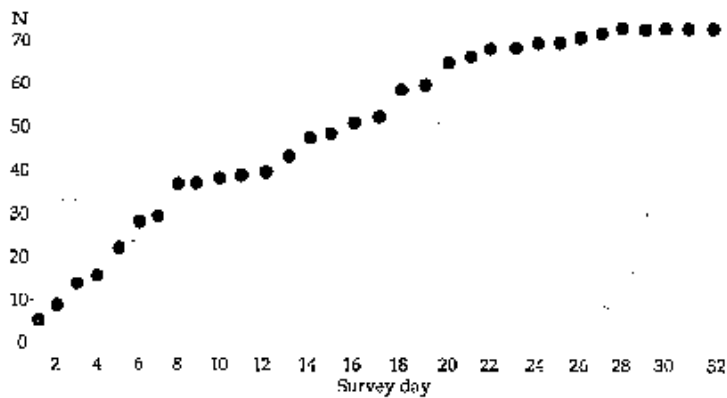


- Adult CL ns
- Juv CL ns
- Sex ratio ns
- Juv % ns

- Capture rate
- 0.41 vs 0.93

POPULATION

a population of *trionyx* in Missouri was estimated to be 4.8 adults per acre (Schwartz et al., 1984). Population estimates vary widely for other taxa in other habitats and regions (Boundy, 1996a).



Cumulative curve of box turtles added per survey day at the Dawson Creek site.

- ~6.5 adults per acre

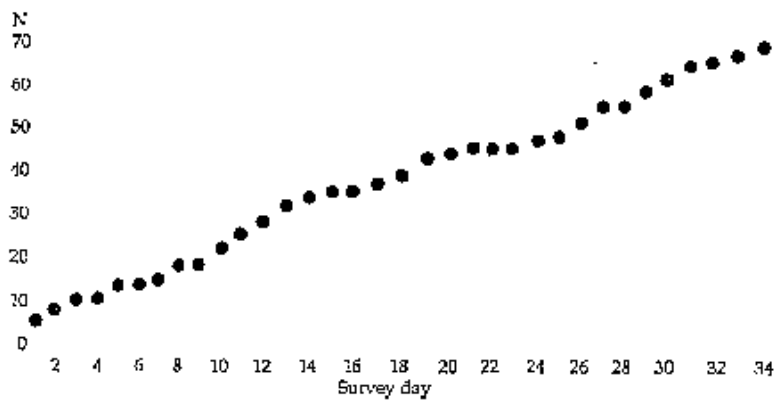


Figure 8. Cumulative curve of box turtles added per survey day at the LL&E site.

MANAGEMENT



- Area Closures
- Seasonal Closures
- Size Restrictions
- Harvest Quotas
- Males Only

The Take of Turtles

