**3 | RESULTS**

***3.1. General patterns and host specificity***

A total of 11 295 fishes were recorded - 4324 fishes, belonging to 15 species were sampled through fishing methods (minnow traps and seine net) and 6964 fishes, belonging to 5 taxonomic groups (4 species and 1 family) were observed in snorkeling transects (see Table X et X in annexe X for more details). The mean length of all fish captured was 5.59 ± 2.96 cm (see Table X in annexe X for more details).

The main host for the black spot disease in our system (all lakes – regional scale) is *Lepomis gibbosus* (0.73 : 0.36) followed by *Ambloplites ruspestris* (0.47 : 0.46), *Perca flavescens* (0.39 : 0.41), *Micropterus dolomieu* (0.24 : 0.31), *Semotilus atromaculatus* (0.13 : 0.31), *Pimephales notatus* (0.06 : 0.12)and *Pimephales promelas* (0.01 : 0.01). (Annexe prevalence).

***3.2. Regional scale***