## Study on individual biology and resource development status of Acetes chinensis in Bohai Bay

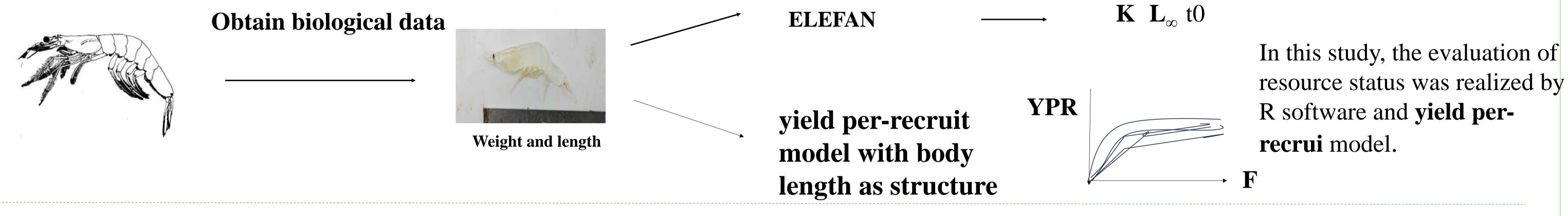
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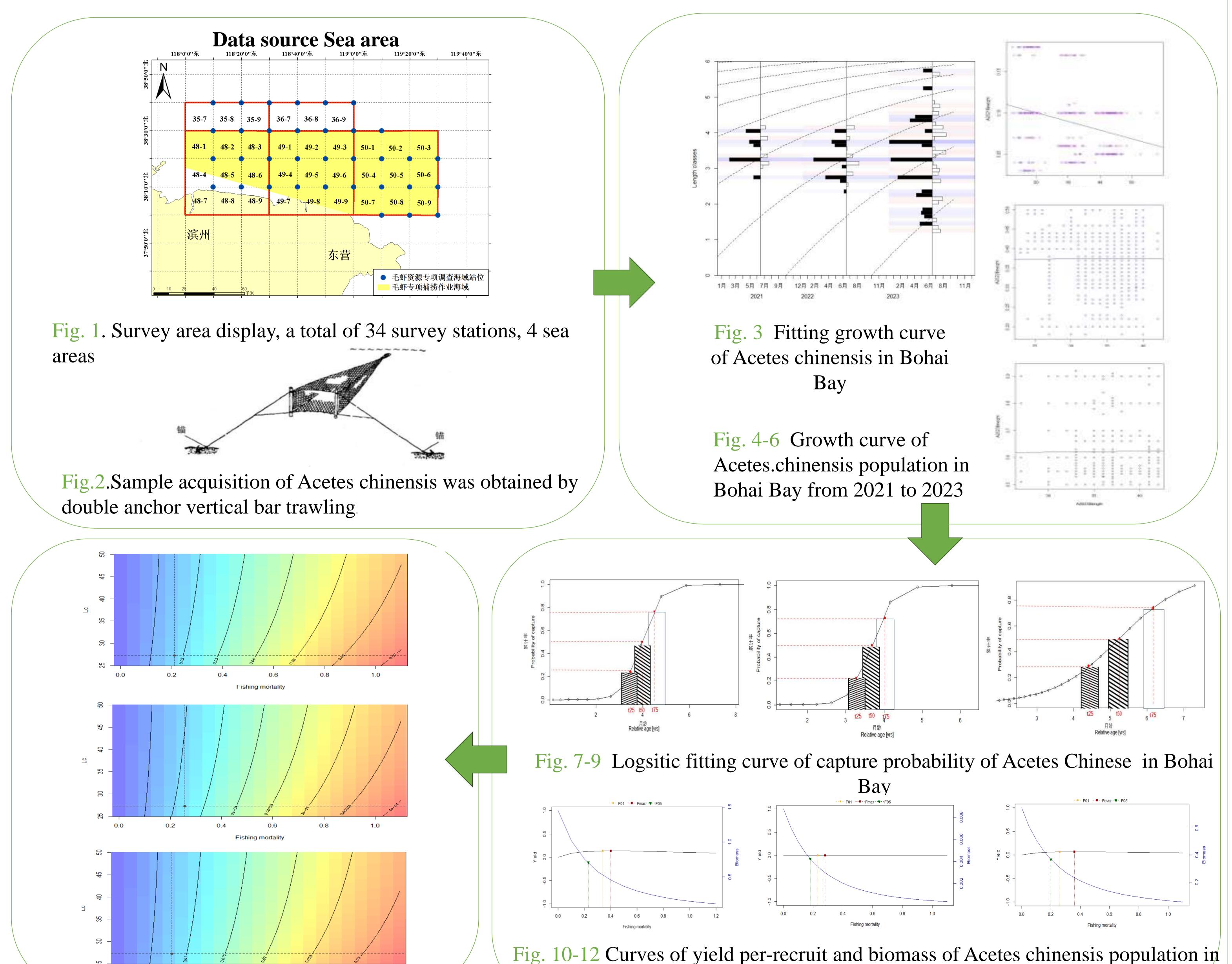
## Background

- The decrease in the population of Acetes chinensis may lead to the outbreak of phytoplankton such as algae, and the outbreak of population may have a great impact on the composition of offshore fishery resources.
- In this study, based on ELEFAN and yield per-recruit model, the development status of Acetes chinensis resources in Bohai Bay was studied.
- However, the age data are required for the general yield per-recruit model, and the age data of Acetes chinensis are difficult to obtain.
- The unit recruitment model based on body length structure can well estimate the unit recruitment of Acetes chinensis.



## Method&Results

Conulsion



Resources of Acetes chinensis in the Bohai Bay have not yet been overexploited, and the catchable length of Acetes chinensis in the Bohai Bay is too low. The yield per-recruit increased with the increase of fishing pressure, reached the peak when reaching the maximum fishing pressure, and then decreased with the increase of fishing pressure.

Bohai Bay