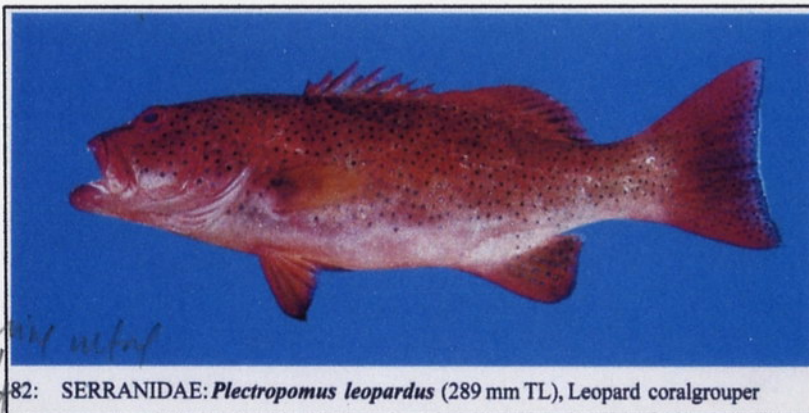




# The South China Sea Fisheries *Refugia* Project: Fish Life-Cycle and Critical Habitat Linkages

Life – History Phase	Known Habitat/ Critical Area	Threat
Early – life history	Mangrove, Seagrass coral reefs mangrove	Bottom trawls habitat destruction - Predator - illegal fishing - mangrove
Juvenile	Seagrass coral reefs mangrove	Bottom trawl - mangrove - over fishing - fish traps for grow out habitat destruction - mangrove
Pre - recruit	Coral reefs mangrove	- Fish Trap habitat destruction - Bottom trawl - Predators
Adult	coral reefs	- Fish trap - Bottom trawl - live fish trade
Spawning	coral reefs deeper HSD	Fish trap <del>Bottom trawl</del> Dynamite fishery

Cyanide fishery  
- Spear gun



82: SERRANIDAE: *Plectropomus leopardus* (289 mm TL), Leopard coral grouper

Leopard coral grouper (*Plectropomus leopardus*)

**Activity descriptor:** Identifying fisheries *refugia* requires an understanding of the critical linkages between the life-cycles of fish species and their habitats. This inception workshop activity aims to stimulate discussion among participants of the fisheries *refugia* concept and benchmark our collective understanding of how economically important species utilize coastal and marine areas at various stages of their life-cycles. Participants are also invited to identify any known threats to fish life-cycle and habitat linkages for the species they have been assigned.