

SOME POSSIBLE TOPICS FOR GROUP PROJECTS

Developmental series of larval and post-larval fishes (cleared and stained) such as mackerel, saurie, blennies, cabezon.

IKMT specimens - species composition (in detail) length frequencies, D-N abundances.

Phytoplankton - standing crop assessment.

Planktonic food web studies - gut contents plus literature.

Comparative studies of locomotor adaptations in bonito, mackerel and other selected species such as:

Surface area and aspect ratios of P-1 and C fins of epipelagic and mesopelagic fishes.

Buoyancy and specific gravity of selected pelagic species.

Red and white muscle proportions in pelagic fishes.

State, structure and size of swimbladder in selected pelagic fishes.

Determination of muscle and skeleton density of selected pelagic species (Wet Weight, Dry Weight, Ash Free Dry Weight).

Lipid and/or caloric content of various pelagic species.

Gut content analyses and feeding morphology of selected pelagic fishes over day and night, depth, etc.

Studies of depth distributions of selected groups.

Studies of Abundance and distribution of local pelagic bird and mammal populations

Gill surface area in various species of fishes over various depths and activity regimes.

*See me for any other topic that you think is interesting and viable.

**Keep in mind the USE of computers for tabulating, organizing and analyzing data.