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SEAFDEC Asian Aquaculture

1999

Lures and wild fish fry

Surtida, Augusto P.

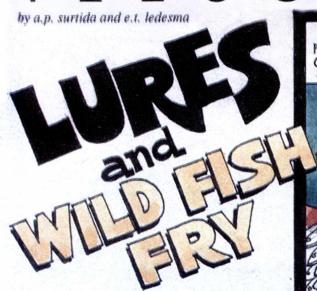
Aquaculture Department, Southeast Asian Fisheries Development Center

Surtida, A. P., & Ledesma, E. T. (1999). Lures and wild fish fry. SEAFDEC Asian Aquaculture, 21(3), 25-28.

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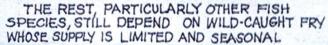
AQUACULTURE ILLUSTRATED



THE PHILIPPINES RANKS AMONG THE WORLD'S LARGEST FISH PRODUCER. AQUACULTURE CONSTITUTES ABOUT 35% OF TOTAL FISH PRODUCTION MAINLY FROM SHRIMPS, SEAWEEDS, MILKFISH AND TILAPIA...



SHRIMP, TILAPIA, CARP, ANDTO A CERTAIN EXTENT MILKFISH, HAVE WELL-DEVELOPED HATCHERY INDUSTRIES THAT PROVIDE FRY OR FINGERLINGS TO GROW-OUT POND, CAGE AND PEN OWNERS...

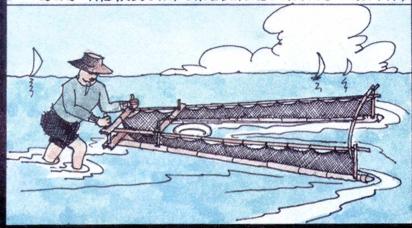






MILKFISH HAS A WELL-DEVELOPED GROW-OUT INDUSTRY, BUT AS OF 1998, ONLY ONE COMMERCIAL HATCHERY IS ON RECORD. THE INDUSTRY STILL DEPENDS ON WILD-CAUGHT FRY.

FRY GROUNDS ARE USUALLY SANDY BEACHES, RIVER MOUTHS, TIDAL CREEKS, AND MANGROVE SWAMPS...

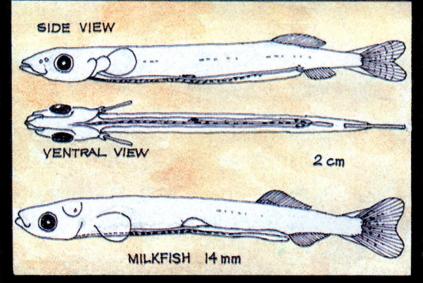




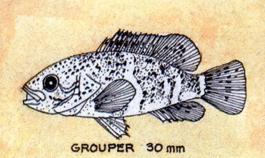
MAP OF THE PHILIPPINES SHOWING MILKFISH FRY GROUNDS:



LATE POST LARVAE MILKFISH FRY ARE 10-17mm IN LENGTH. IT IS ABOUT 2-3 WEEKS OLD FROM THE TIME OF SPAWNING. FINGERLINGS ARE 15-100 mm IN LENGTH, ABOUT 1-2 MONTHS OLD.

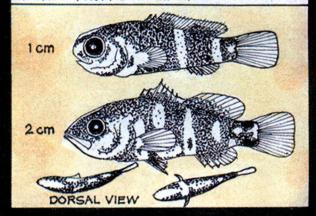


AMONG CULTURED SPECIES THAT RELY ON WILD-CAUGHT FRY ARE: GROUPER, SEABASS, MILKFISH, SNAPPER, SPADE FISH AND SIGANIDS:

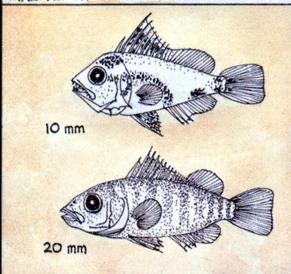


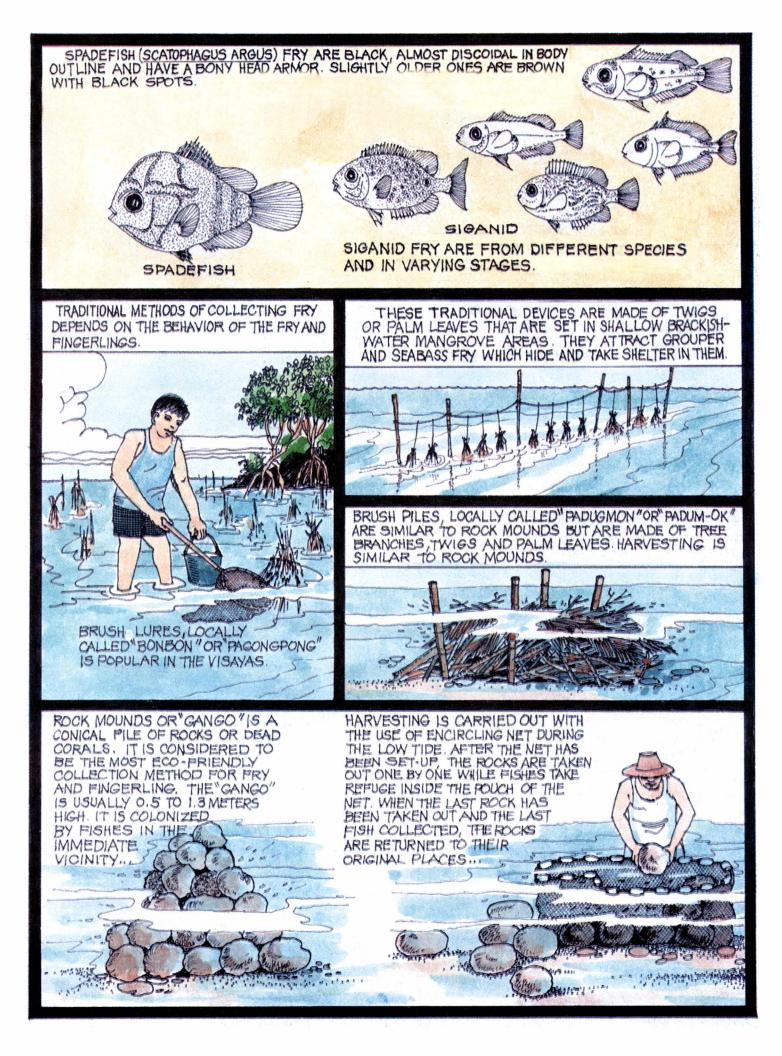
GROUPER FRY HAVE A CONTINUOUS DORSAL FIN. YOUNGER ONES MAY HAVE ELONGATED SECOND DORSAL AND PELVIC SPINES SIMILAR TO SNAPPERS.

SEABASS FRY OF DIFFERENT STAGES: NOTE THE DORSAL HEAD STRIPE. LENGTH VARIES FROM 5-20 mm....

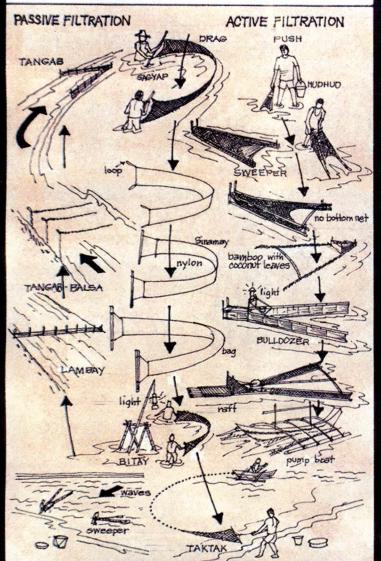


SNAPPER LARVAE HAVE AN ELONGATED SECOND DORSAL AND PELVIC SPINE. THEY ALSO HAVE LARGE MOUTH WITH CANINE-LIKE TEETH.

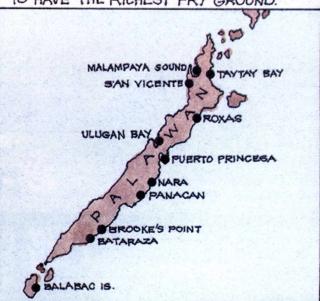




IN PANAY ISLAND, CENTRAL PHILIPPINES, THERE IS A WIDE VARIETY OF COLLECTION GEAR USED FOR MILKFISH FRY.



FOR GROUPER FRY, PALAWAN APPEARS TO HAVE THE RICHEST FRY GROUND.



BUT TO GET AQUACULTURE MOVING THE INDUSTRY HAS TO DEPEND LESS ON WILD CAUGHT FRY, WHICH ARE UNPREDICTABLE, SEASONAL AND SUBJECT TO THE VAGARIES OF NATURE.

