

Job Segment Report

H.R. Stevens, Jr.,
Marine Biologist

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Project Name: Fisheries Investigations and Related Environmental Studies.

Period Covered: July 1958 - June 1959. Job No. A-2a, A-2b*

A General Survey of Fish Species in Corpus Christi Bay

Objective: To determine the fish species which are present in Corpus Christi Bay.

Procedure: Periodic sampling of different areas in Corpus Christi Bay. Species were collected by trawling, netting, and hook and line fishing.

Findings: (*Job number A-2b which is concerned with seasonal abundance, relative abundance, and population estimate is not included in this report. Significant quantitative data has not been accumulated.)

A list of the fish species taken during field operations follows:

Phylum: Chordata

Class: Pisces

Subclass: Elasmobranchii

Order: Asterospondyli

Family: Galeidae

Scoliiodon terrae-novae

Order: Batoidae

Family: Dasyatidae

Dasyatis sabina

Subclass: Teleostomi

Order: Rhomboganoidea

Family: Lepisosteidae

Lepisosteus spatula

Order: Nematognathi

Family: Siluridae

Bagre marinus
Galeichthys felis

Order: Apodes

Family: Anguillidae

Anguilla rostrata

Order: Isospondyli

Family: Elopidae

Elops saurus

Family: Clupeidae

Brevoortia sp.

Family: Engraulidae

Anchoa mitchilli
Anchoa hepsetus

Order: Inioi
Family: Synodontidae

Synodus foetens

Order: Synentognathi
Family: Belonidae

Strongylura marinus

Order: Lophobranchii
Family: Syngnathidae

Syngnathus louisianae
Hippocampus sp.

Order: Acanthopteri
Family: Mugilidae

Mugil cephalus

Family: Polynemidae

Polydactylus octonemus

Family: Scombridae

Scomberomorus maculatus

Family: Trichiuridae

Trichiurus lepturus

Family: Carangidae

Caranx hippos

Caranx latus

Caranx crysos

Alectis ciliaris

Vomer setapinnis

Selene vomer

Trachinotus carolinus

Family: Stromateidae

Peprilus alepidotus

Poronotus triacanthus

Family: Lobotidae

Lobotes surinamensis

Family: Lutianidae

Lutianus griseus

Family: Haemulidae

Orthopristis chrysopterus

Family: Sparidae

Lagodon rhomboides

Archosargus probatocephalus

Family: Sciaenidae

Cynoscion arenarius

Cynoscion nothus

Cynoscion nebulosus

Bairdella chrysura

Leiostomus xanthurus

Micropogon undulatus

Sciaenops ocellata

Pogonias cromis

Menticirrhus americanus

Menticirrhus littoralis

Family: Ephippidae

Chaetodipterus faber

Family: Tetraodontidae

Lagocephalus laevigatus

Sphoeroides splengleri

Family: Diodontidae
Family: Scorpaenidae
Family: Triglidae
Family: Gobiidae
Family: Echeneididae
Family: Batrachoididae
Family: Blennidae
Suborder: Heterosomata
Family: Pleuronectidae
Subfamily: Hippoglossinae
Family: Soleidae

Chilomycterus schoepfii

Scorpaena sp.

Prionotus tribulus

Gobionellus hastatus

Gobiosoma boscii

Echeneis naucrates

Opsanus beta

Porichthys porosissimus

Hypsoblennius ianthus

Paralichthys lethostigma

Paralichthys albiguttus

Ancyllopsetta quadrocellata

Symphurus plagiusa

Comments: The Aransas Pass Channel connects Corpus Christi Bay with the Gulf of Mexico. The hypersaline Laguna Madre is to the south, connected by the intra-coastal waterway. Nueces Bay is to the west and Red Fish Bay is on the northeast side. The position of Corpus Christi Bay places it along the route for those species which move between bays and gulf. The depth of the bay permits it to host a number of the larger gulf species. A number of species which are known to make Corpus Christi Bay their temporary or full time home have not been listed.

Prepared by: H.R. Stevens, Jr.

Marine Biologist.

Approved by:

Howard T. Lee
Howard T. Lee

Date Approved:

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