

Job Report

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Marine Biologist

Project No. M-5-R-2

Date January 5, 1962

Project Name: Oyster and Fisheries Investigations of Area M-5

Period Covered: July 1, 1960 to June 30, 1961

A-2, A-3,
Job No. B-2, B-3

Survey of Shallow Water Areas of Ecological Importance as Nursery Areas

Abstract: An investigation of the shallow water portions of Area M-5 shows that, for the most part, they are heavily vegetated. Juveniles of sport and commercial fish inhabit these areas for food and protective cover. Adult of these species frequent shallow portions during the warm months of the year. All of these shallow "lakes" and "bayous" should be retained in their present natural state.

Objectives: To investigate the shallow water regions of this area. To determine game and commercial species present and the ecological importance of nursery grounds.

Procedure: Game and commercial species were collected throughout the study period with otter trawls and seines. Records were kept of the relative abundance of each species. These were correlated with ecological factors when possible. See Project M-5-R-2, Job Report A-2.

Findings: This study was conducted primarily to determine usage of shallow vegetated bays, lakes, and inlets of Area M-5 by game and commercial fish species. No attempt was made to develop a species checklist of these portions of Area M-5 since an area-wide checklist has already been prepared.

Four times during the study period at approximately three month intervals, seine samples were taken throughout the shallow vegetated portions of Area M-5. (See Figure 1 for location and distribution of these shallow vegetated areas.)

These samples show that game and commercial species are present in these areas during the warm months of the year, roughly April through October. These shallow vegetated areas are used by juvenile and adult fishes. Figure 2 shows species distribution as indicated by seine and trawl samples.

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Coordinator

Figure 1
Location and Distribution
of Vegetated Areas

See Project M-5-R-2
Job Report C-2, C-3
For Species Present

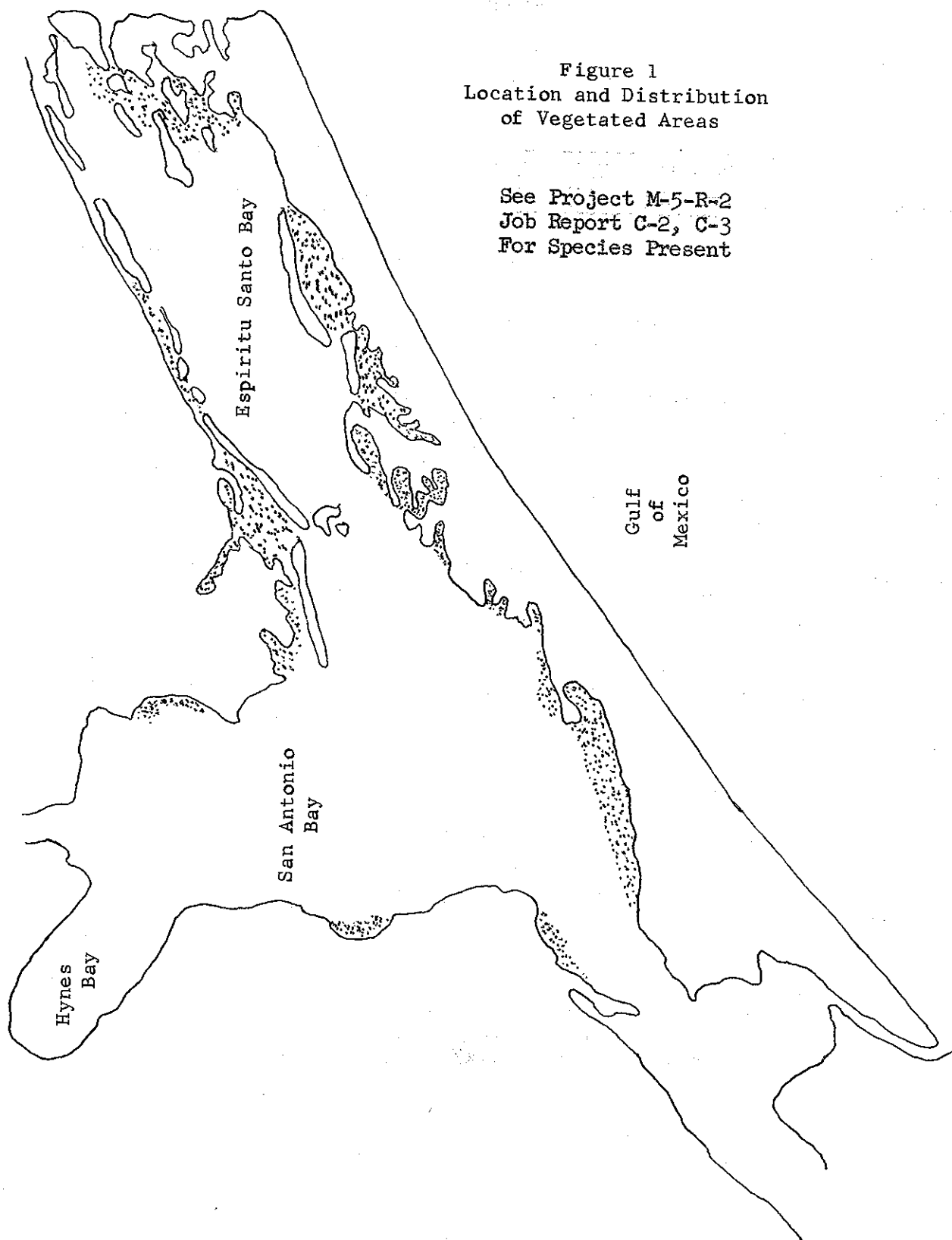
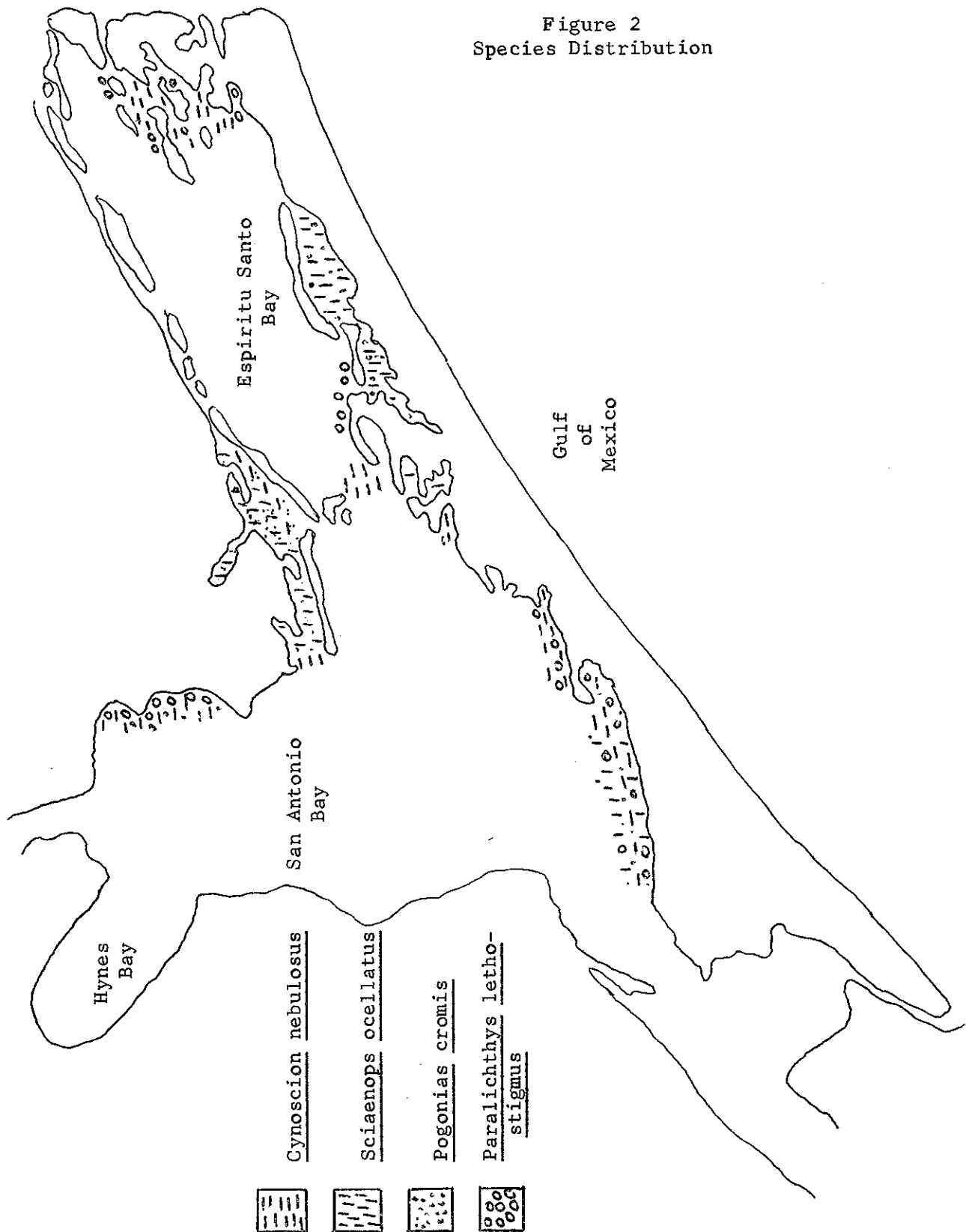


Figure 2
Species Distribution



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