

TABLE 2.—Catch of brown shrimp (heads-off), by statistical areas, in the Gulf of Mexico along the Texas Coast¹

Year	Statistical area				
	18	19	20	21	Total
	Thousands of metric tons				
1956	2.2	3.1	3.3	1.4	10.0
1957	2.4	5.3	3.4	1.6	12.7
1958	2.2	2.8	4.6	1.3	10.8
1959	2.3	4.9	3.6	2.5	13.4
1960	3.4	7.0	2.9	1.7	15.0
1961	1.1	2.5	2.1	1.3	7.0
1962	1.0	3.4	2.4	.8	7.6
1963	1.6	6.1	2.0	1.8	11.5
1964	1.2	4.0	2.4	1.0	8.6
1965	1.9	6.4	1.9	1.6	11.8
1966	1.3	5.7	2.6	2.0	11.6
Total	20.6	51.2	31.2	17.0	120.0
Percentage	17.1	42.7	26.0	14.2	100.0

¹ Source: Published records of the U.S. Department of the Interior, Bureau of Commercial Fisheries.

superimposed on the rectified Gemini photograph in figure 5. Clearly, fishing intensity was heaviest in and near the plumes.

LITERATURE CITED

CURRAY, JOSEPH R.

1960. Sediments and history of holocene transgression, Continental Shelf, northwest Gulf of Mexico. In Francis P. Shepard, Fred B. Phleger, and Tjeerd H. Van Andel (editors), *Recent sediments, northwestern Gulf of Mexico*, pp. 221-266. The Collegiate Press, Menasha, Wis.

SMITH, F. G. WALTON, A. FRANCO MEDINA, and A. F. BROOKS ABELLA.

1951. Distribution of vertical water movement calculated from surface drift vectors. *Bull. Mar. Sci. Gulf Caribbean* 1: 187-195.

SWETZER, N. R., JR.

1898. Origin of the Gulf Stream and circulation of waters in the Gulf of Mexico, with special reference to the effect on jetty construction. *Trans. Amer. Soc. Civil Eng.* 40 (835): 86-124.

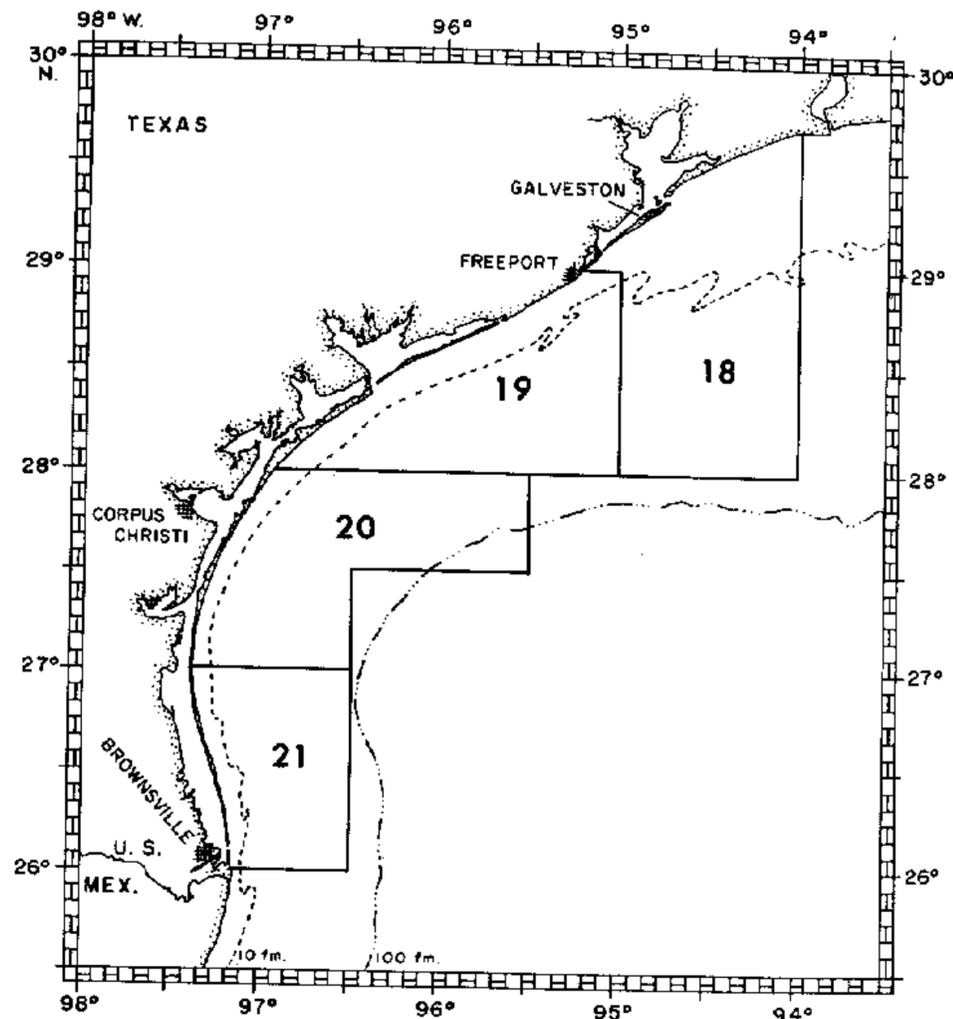


FIGURE 4.—Statistical areas along the Texas Coast. By interviewing fishermen, BCF employees are able to record data on daily landings and fishing effort by statistical area. The recording of catch and effort by this method began in January 1956. Comparison of this figure with figure 3 shows that the relief plumes lie in statistical area 19 and the lower portion of 18.

U.S. COAST AND GEODETIC SURVEY.

1949. *United States Coast Pilot Gulf Coast, Key West to Rio Grande*. 3d ed. U.S. Dep. Commer. ser. 725, 505 pp.

U.S. FISH AND WILDLIFE SERVICE.

1967. Gulf Coast shrimp data, reported by depth and are of capture, species, size, number of trips, and days fished, November 1966. *Its Curr. Fish. Statist.* 4358, 18 pp.

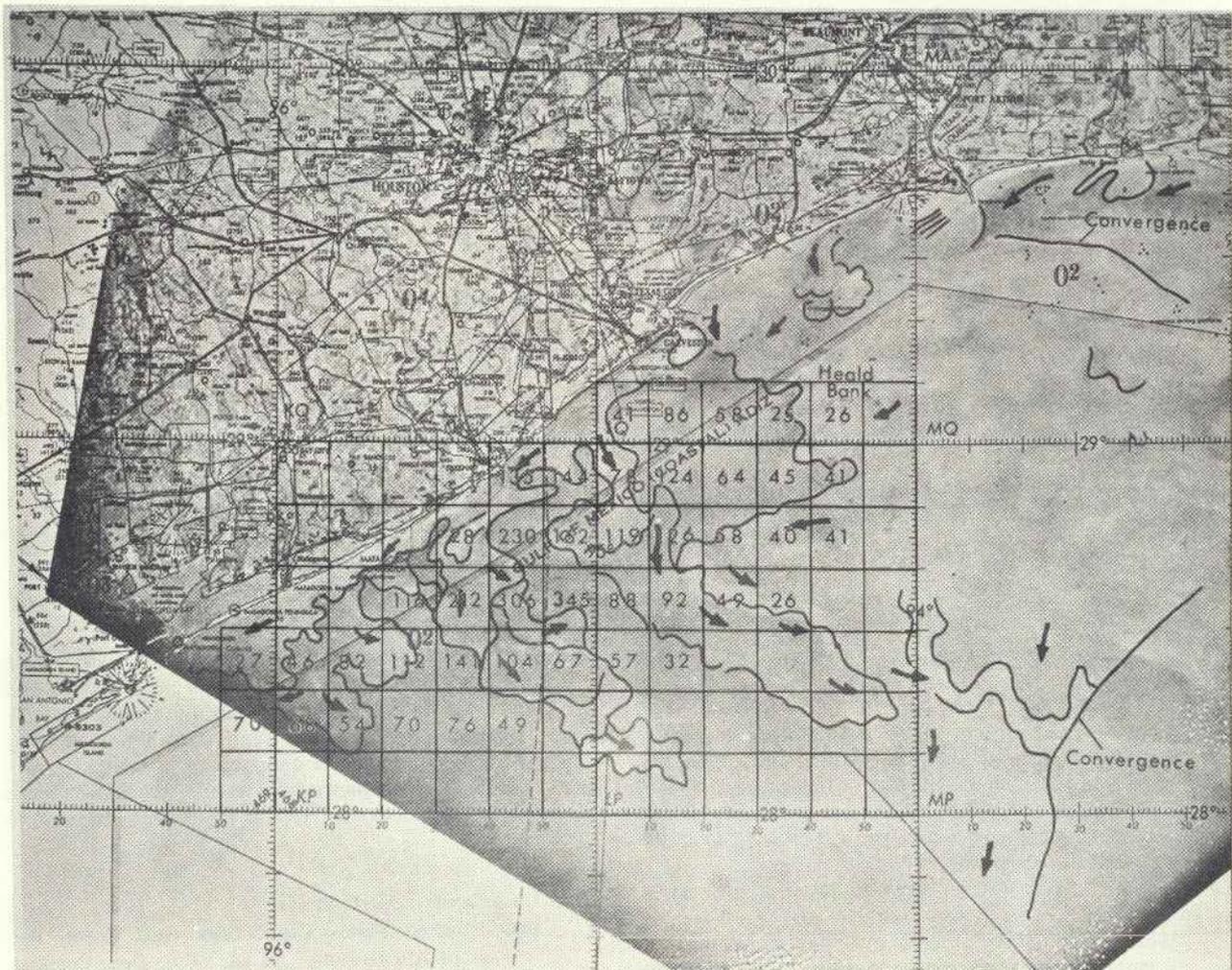


FIGURE 5.—An overlay on figure 3 that demonstrates the relation between the plumes and fishing intensity for brown shrimp. The numbers in the 10-minute grids represent the total number of vessels fishing in each grid in July-September 1964. Only those grids are numbered where 25 or more vessels fished.