

JOB PROGRESS REPORT

FILE

As required by

FEDERAL AID IN FISHERIES RESTORATION ACT

TEXAS

Federal Aid Project No. F-6-R-17

FISHERIES INVESTIGATIONS - REGION 5-B

Job No. VI Pollution Studies

Project Leader: Roger L. McCabe

J. R. Singleton
Executive Director
Parks and Wildlife Department
Austin, Texas

Marion Toole
D-J Coordinator

Eugene A. Walker
Director, Wildlife Services

October 22, 1970

SUMMARY

Incidents of pollution and fish kills were investigated by project personnel to determine their nature and extent. During this segment, a fish kill at Petronilla Creek was investigated and attributed to an abnormally high salinity concentration due to a lack of incoming fresh water and low tides. The Three Rivers waste disposal plant and Three Rivers Refinery, located near Three Rivers in Live Oak County and adjacent to the Frio River, pose potential pollution hazards and are being monitored.

Federal Aid Project No. 2-2-11

WATER RESOURCES DIVISION - REGION 2-A

Top Hat VI Pollution Studies

Project leader: Roger J. McCabe

J. R. Singleton
Executive Director
Parks and Wildlife Department
Austin, Texas

Eugene A. Walker
Director, Wildlife Services

Marion Toole
D-1 Coordinator

October 22, 1970

JOB PROGRESS REPORT

State Texas

Project No. F-6-R-17

Project Title: Fisheries Investigations -
Region 5-B

Job No. VI

Job Title: Pollution Studies

Period Covered: January 1, 1969 to December 31, 1969

Objectives:

To determine the source and nature of natural or man-made pollutants which affect fish populations.

Procedures:

Reports of pollution and fish kills, and any evidence encountered by project personnel in Region 5-B, were investigated to determine their nature and extent. Water analysis was conducted in conjunction with the other jobs on the project to detect any trace of possible pollution in its vestigial stages.

Findings:

On November 6, 1969, a fish kill, along a five-mile stretch of Petronilla Creek in Nueces County, was investigated and a large number of dead and dying black drum (Pogonias cromis) were observed. A water sample was taken to the Regional chemist and found to contain an abnormally high salinity concentration, 85 p.p.t. The area receives tidal influence, and the fish kill was attributed to an abnormally high salinity concentration due to a lack of incoming fresh water and low tides.

The city of Three Rivers in Live Oak County empties effluents from its waste disposal plant into the Frio River below Tips Park. Project personnel monitored the water in the vicinity of the waste disposal on two occasions, May 23 and December 11, 1969, and no evidence of pollution was discovered. The Three Rivers Refinery, also located near Three Rivers adjacent to Tips Park, poses a potential hazard of oil pollution and is being monitored by project personnel. No other incidents of potential or actual pollution were investigated during this segment.

Prepared by Roger L. McCabe
Project Leader

Approved by Marion Toole
Coordinator

Date October 22, 1970

Elgin M. C. Dietz
Inland Supervisor

The first part of the report discusses the general situation of the country and the progress made in the various fields of activity. It is noted that the government has been successful in maintaining a stable and peaceful environment, which is a prerequisite for economic development.

In the field of agriculture, the government has implemented a series of measures to increase productivity and improve the living standards of the rural population. These measures include the provision of agricultural credit, the introduction of modern farming techniques, and the construction of irrigation systems.

The industrial sector has also shown significant progress. The government has encouraged the development of small and medium-sized enterprises, which have played a vital role in the country's economic growth. The establishment of industrial zones and the provision of incentives have further stimulated investment and production.

Education and health care are also areas of focus. The government has increased its spending on these sectors, leading to a steady improvement in the quality of education and health services. The enrollment rate in primary schools has risen, and the life expectancy at birth has increased, reflecting the overall progress of the country.

Finally, the report highlights the government's commitment to social justice and the eradication of poverty. Through various social welfare programs and the implementation of a progressive tax system, the government has been able to reduce the income gap and improve the living conditions of the most vulnerable segments of the population.

In conclusion, the report expresses confidence in the government's ability to continue its reform and development efforts. It believes that the country is on a path towards a brighter and more prosperous future.