INTRODUCTION

Formerly named as Sheet 1 of the U.S. Geological Survey's Water Resources Investigations Report 89-4019, this document presents a detailed analysis of the flood events that occurred in Millington, Tennessee, in December 1987. The report focuses on the flood damages caused by a significant storm event that resulted in widespread flooding throughout the area.

FLOOD DAMAGES

According to recent reports, 10,000 people were forced from their homes, and an estimated 400 homes were damaged or destroyed. The floodwaters reached as high as 10 feet, inundating large areas of the city. The floodwaters caused significant damage to infrastructure, including roads, bridges, and buildings.

SUMMARY

The flood event of December 25, 1987, is one of the most significant flood events in Millington's history, with widespread damage and displacement of the local population. The U.S. Geological Survey's report provides detailed information on the flood event, including flood profiles, hydrographs, and other relevant data.

ACKNOWLEDGEMENT

Additional information can be found in the report by Randolph and Gamble (1976). A discharge hydrograph for the storm period is shown in figure 4. The peak discharge for Big Creek at Millington, Tennessee, was about equal to the 100-year flood. The peak discharge for Big Creek at Millington, Tennessee, was about equal to the 100-year flood. The floodwaters caused significant damage to infrastructure, including roads, bridges, and buildings.

ADDITIONAL DATA

Additional information pertaining to floods on streams in the report area as well as other areas of Tennessee can be obtained from the District Office of the U.S. Geological Survey, 3407 Big Mill Lane, Nashville, TN 37209.

REFERENCES CITED


CONVERSION FACTORS

The following conversion factors for terms used in this report are listed below:

- 1 square mile (mi 2 ) = 2.59 square kilometers (km 2 )
- 1 foot (ft) = 0.3048 meters (m)
- 1 inch (in.) = 25.4 millimeters (mm)

FLOOD HEIGHTS

The typical flood levels were estimated at approximately 4 to 6 feet above the ground elevation. For the report, flood levels are expressed as single height levels in feet.

FLOOD HEIGHTS AND PROFILES

The flood heights and profiles shown in figure 5 illustrate the typical flood levels and the area inundated during the December 25, 1987, flood. The profiles are based on field observations and water-surface profiles taken during the flood event.

EXTENT OF FLOODING

The area flooded by this event covered approximately 3 square miles and included areas north of Highway 51, south of the city, and west of the tributaries to Big Creek. The floodwaters caused significant damage to infrastructure, including roads, bridges, and buildings.

For additional information on this report, contact:

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Flood boundary not delineated beyond this point.