This report provides a revised of flood events and incorporates hydrologic information to form a basis for more rational decisions regarding land use and the flood prone areas of the towns of Barceloneta and Manatí. Flooded areas are delineated, and flood profiles are shown for flood prone areas. In the flood prone areas, flood data are given for the magnitudes and probability of high flood events. Floods on both towns have been classified by the type of the flood record. The 1965 flood, although not a great flood, was one for which a greater quantity of accurate data were available.

In the study area, Barceloneta and Manatí are characterized by high rainfall and the presence of several major creeks that drain the area. The creeks flow into the Atlantic Ocean and are interconnected by a system of canals and ditches. The creeks are fed by a network of tributaries that drain the surrounding hillsides.

Floods occur in the study area due to heavy rainfall, high tides, and the overflow of nearby creeks. The study area is located in a region with a high risk of flooding, and the frequency and magnitude of floods vary significantly. The study area is divided into two main parts: Barceloneta and Manatí. The study area includes several towns and villages, including Barceloneta, Manatí, and other nearby communities.

Floods at Barceloneta and Manatí, Puerto Rico

By

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1967

Additional information related to floods on Barceloneta and Manatí can be obtained from the U.S. Geological Survey, San Juan, Puerto Rico, or from the State’s Office of the Water Resources, Puerto Rico Department of Public Works, P.O. Box 226, Santo Domingo, San Juan, Puerto Rico.

Graphs and data: This report was prepared as part of a flood mapping project under a Floods Investigation Program by authority of a memorandum of understanding between the Puerto Rico Department of Public Works and the U.S. Geological Survey. The data were provided by the Puerto Rico Department of Public Works, San Juan, Puerto Rico. The flood profiles shown in this report were derived from the data collected during the mapping project.