INTRODUCTION

The Kickapoo River, which is located in southwestern Wisconsin, is a significant river in terms of flood control and management. It has a total of 43 towns and villages in 4 counties (Crawford, Monroe, and Steuben) within its basin, which is approximately 1000 square miles.

PHYSICAL SETTING

The Kickapoo River basin, representative of the unglaciated areas in Wisconsin, includes a variety of topographic features such as hills, valleys, and riverbanks. The basin is characterized by its climatic conditions, which can influence the occurrence of floods.

RAINFALL

The 1978 flood event on the Kickapoo River occurred due to intense storms and heavy rainfall. The flood resulted in widespread damage, including damaged or destroyed bridges, culverts, and sections of roadways. Total damage amounted to over $1.29 million.

FLOODING

The flash flooding in 1978 was caused by intense storms, with rainfall totals ranging from 1 to 5 inches per day. The 1978 peak discharge was recorded, leading to the determination of the amount of water that resulted in the flood elevations.

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