FLOODS IN SEWARD QUADRANGLE, SOUTHEASTERN NEBRASKA

By

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This report describes floods on the Big Blue River and its tributaries near Seward, Nebraska. Flood-prone areas have been inundated since the early 19th century. The record of the available data on the depth, rate, and frequency of flooding near the mouth of Big Blue River and its tributaries was used by the Missouri River Commission to determine the floodplain areas and to provide information on flood hazards in the area.

Flood profiles and their effects on the Big Blue River and its tributaries near Seward, Nebraska. The floodplain areas were mapped using a combination of aerial photographs and field data. The flood profiles show the extent of flooding and the depth of water during flood events.

Flood frequency and magnitude - Flood frequency may be determined from historical data and/or from statistical analysis. Flood frequency based on historical data is generally determined from records of flooding in the area. Flood frequency based on statistical analysis is determined using statistical methods. Flood frequency analysis is used to determine the probability of a flood of a certain magnitude occurring in a given year.

Floodplain mapping - Floodplain mapping is the process of mapping flood-prone areas. Floodplain mapping is important for flood hazard assessment and for planning flood disaster mitigation measures.

Floods on the Big Blue River and its tributaries near Seward, Nebraska. Floods on the Big Blue River and its tributaries near Seward, Nebraska, have occurred in the past and are likely to occur in the future. Floods have caused significant damage to property and infrastructure in the area.

Floodplain mapping and management - Floodplain mapping and management are important for flood hazard assessment and for planning flood disaster mitigation measures. Floodplain mapping and management are conducted by government agencies and private organizations.

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