

City of Maquoketa, Flood Warning System, Section 205

Rock Island District

Location: The study area is located along the main stem of the Maquoketa River in Maquoketa, Jackson County, IA.

Authority: Section 205 of the 1948 Flood Control Act as Amended.

Problems and Opportunities: The City of Maquoketa Iowa along with its neighboring cities in the Maquoketa River basin has experienced flooding events throughout its history. Floods in the Maquoketa River watershed are typically flashy in nature although slow rise floods of longer durations also occur. The region upstream of the city is sparsely populated and the amount of advance warning of a flooding event is limited.

In their letter of July 8th the city has requested that the Rock Island District evaluate a Flood Warning System for the community and prepare a model that will correlate river stage to inundated area. This system if integrated with warning systems being considered for other communities in the basin will provide Maquoketa with the data necessary to make timely decisions concerning its flood response activities. By increasing the warning period and providing a system with 24/7 capability city's response time will be increased and there is the potential to reduce the impact upon residential, commercial and industrial properties in the City of Maquoketa.

Implementation Schedule: The Section 205 Initial assessment is underway and is scheduled for completion in November 2004. The purpose of this study is to determine if a cost shared feasibility study is justified.