



**US Army Corps
of Engineers**
Memphis District

Grand Prairie Area Demonstration Project, AR

Section 363(a), Project Reauthorizations of the WRDA 1996, Public Law 104-303

Mississippi River and Tributaries Feasibility Study (Construction)

ASA(CW) Initiative: Enabling Economic Activity

MVD Command Priorities: Groundwater Sustainability

AMSCO: 081266

P2 Numbers: 453921

513066 – Grand Prairie Pump Station Reprourement
504432 – Grand Prairie Electrical Substation
519561 - Grand Prairie Inlet

Location: The project is located in eastern Arkansas in Arkansas, Lonoke, Monroe, and Prairie Counties.

Description: This project provides water security for drinking water, industrial and agricultural use, and addresses depletion and resiliency of the Alluvial and Sparta aquifers. The project features include a major pumping station, conveyance channels, and conservation measures for the Grand Prairie area by pumping water from the White River and delivering it to area farms.

Importance: The project will address the water scarcity problem by providing a supplemental source of non-potable water for regional activities. Combined with conservation measures, this project will provide water security for the region that will allow the aquifers to be resilient and recharge, which creates stability for human consumption and industrial/agricultural uses. The construction of the project is crucial because the Alluvial Aquifer withdrawals at the current rate continue to lower the water table and, if not slowed or revised, will deplete the aquifer so that it will no longer be a viable source of irrigation water.

The Upper Mississippi Embayment provides groundwater to portions of seven states.

Groundwater is exclusively used for residential water supply throughout the area, including the largest city in the embayment, Memphis Metropolitan Statistical Area (1.3 million people).

This alluvial aquifer is the second most heavily utilized aquifer for irrigation in the nation, supporting 14% of the Nation's agriculture (total economic impact of \$11.88 billion). Over 50% of the Nation's rice is grown in eastern Arkansas alone.



Project Sponsor: State of Arkansas Department of Agriculture and the White River Irrigation District (WRID).

Congressional Interest: Senate: Boozman and Cotton
House: Crawford (AR-01)

