

Wetland Survey Executive Summary

Wetland determination/delineation surveys were conducted by Up A Creek Enterprises (UACE) during May and June, 2004 for the purpose of determining jurisdictional wetland boundaries on a tract specified by the Christian County Economic Development Council.

Wetland determinations/delineations were based upon the protocol detailed in the 1987 United States Army Corps of Engineers (USACE) Wetlands Delineation Manual. Jurisdictional wetland determinations were based upon three criteria: 1.) The presence of wetland hydrology, 2.) Hydric soil conditions resulting from periodical saturation or inundation and 3.) a dominance of aquatic or wetland vegetation.

In addition to field surveys, soil survey maps composed by the Natural Resources Conservation Service (NRCS) of the United States Department of Agriculture (USDA) and National Wetland Inventory (NWI) maps composed by the United States Fish and Wildlife Service (USFWS) were reviewed to assist with the wetland survey.

Several potential wetland areas within the survey boundary were identified during the NWI map review, however these areas were determined not to be jurisdictional wetlands upon field verification. Most of these areas were associated with farm ponds. One area located near the southwestern corner of the survey site exhibited some wetland characteristics, however it was not determined to be a jurisdictional wetland based upon criteria detailed in Section F. *Atypical Situation* of the 1987 USACE Wetlands Delineation Manual.

Selected References

United States Fish and Wildlife Service. 1988. National list of plant species that occur in wetlands. Fort Collins, Colorado.

United States Army Corps of Engineers. 1987. Corps of engineers wetland delineation manual. Vicksburg, Mississippi.

Mitsch, W. J. and Gosselink, J. G. 1993. Wetlands 2nd edition. Van Nostrand Reinhold. New York, New York.