

## ABSTRACT

**THESIS:** GEOPHYSICAL METHODS AND SPATIAL ANALYSIS:

A CASE STUDY AT THE PATTY ANN FARMS SITE 12H1169

**STUDENT:** Jennifer C. Wyatt

**DEGREE:** Master of Arts

**COLLEGE:** Sciences and Humanities

**DATE:** December 2011

**PAGES:** 92

The goal of this thesis research is to examine the Patty Ann Farms site using noninvasive techniques, such as a magnetic gradiometer. The Patty Ann Farms site, 12H1169, located in northeastern Hamilton County Indiana, is a multicomponent archaeological site spanning all periods of prehistory. Diagnostic artifacts from the Paleo-Indian, Archaic, and Woodland periods have been surface collected by the land owner. The land owner's collection was documented, and the site was recorded at the Division of Historic Preservation and Archaeology--Department of Natural Resources, in 2004. Since then, a controlled surface survey has been conducted identifying three areas of high artifact density and preliminary soil phosphate tests have been conducted.