

Phase IA Cultural Resource Reconnaissance for
the Des Moines Water Trail Corridor Through
Portions of Boone, Dallas, Jasper, Marion, Polk,
Story, and Warren Counties, Iowa

REVISED

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Technical Report
170



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The University of Iowa's Office of the State Archaeologist conducted a Phase IA archaeological reconnaissance survey along the Des Moines Water Trails through Boone, Dallas, Jasper, Marion, Polk, Story, and Warren counties, Iowa. The study revealed information about prior archaeological surveys, previously recorded archaeological and architectural sites and properties, NRHP eligibility of properties, and potentially significant historical resources that have not been archaeologically identified. GIS shapefiles pertaining to cultural resources were generated and provided to the DNR. Recommendations for future work along the water trail corridor were presented.

Introduction

The Office of the State Archaeologist (OSA) of the University of Iowa has prepared this report under the terms of a cultural resource survey agreement between OSA and the Iowa Department of Natural Resources. This report records the results of a Phase IA archaeological reconnaissance survey along the Des Moines Water Trails, which contains portions of the Des Moines, Middle, North, and Skunk Rivers, along with portions of Beaver and Walnut Creeks, all flowing through portions of Boone, Dallas, Jasper Polk, Story, and Warren counties, Iowa.

The studied river segments include 229.9 river km (142.8 river mi) along the five river and two creek segments. The Des Moines River corridor includes the Des Moines, Middle, North, and Raccoon River segments and Beaver and Walnut Creek segments, totaling 200.9 river km (124.8 river mi). The Des Moines River corridor begins roughly 1.5 mi northwest of the town of Madrid and continues south and southeast to its termination approximately at the Perry–Red Rock Township line, Marion County. The South Skunk River corridor includes 28.9 river km (18.1 river mi) and begins roughly .75 mi southeast of the town of Cambridge, Story County, and terminates just north of the town of Colfax in Jasper County. An area extending from bluff top to bluff top of the river channel segments was the study area. The Des Moines River corridor's valley width ranged from roughly 1 to 6 km (.6 to 3.7 mi) for a total study area of 41,885 ha (103,497 ac). The South Skunk River corridor's valley width ranged from roughly 3 to 5.9 km (1.9 to 3.7 mi) for a total study area of 15,670 ha (38,721 ac). The total study area for the entire Des Moines Water Trails study area is 57,555 ha (142,216 ac) (Figure 1). There are no immediate impacts projected in the study area; this survey is meant to aid in future planning.

Mark L. Anderson conducted the reconnaissance survey assisted by Bill Whittaker. Melody Pope was project director. The OSA is solely responsible for the interpretations and recommendations contained in this report. All records including maps and figures are curated in the OSA Archives. The National Archeological Data Base Form is included as Appendix I.

Information contained in this report relating to the nature and location of archaeological sites is considered private and confidential and not for public disclosure in accordance with Section 304 of the National Historic Preservation Act (54 U.S.C. § 307103); 36 CFR Part 800.6 (a)(5) of the Advisory Council on Historic Preservation's rules implementing Sections 106 and 110 of the Act; Section 9(a) of the Archaeological Resource Protection Act (54 U.S.C. § 100707) and, Chapter 22.7, subsection 20 of the Iowa Code.

Project Area Description

REGIONAL

The project area is located within two of Iowa's landform region including the Des Moines Lobe and the Southern Iowa Drift Plain (Figure 1, inset). They are described as follows.

The Des Moines Lobe is underlain by glacial till deposited during the most recent ice advances into Iowa, approximately 12,000 to 14,000 years ago. The Bemis, Altamont, and Algona end moraines delimit the three major Late Wisconsinan glacial ice margins. (Prior 1991:39–40, 47). Except along major streams, drainage systems are generally not well established. Kettle lakes, eskers, kames, and other features formed by ice wasting and meltwater discharge mark the landscape. Though many wetlands have been drained, the majority of Iowa's natural lakes are located in the region. The Des Moines River and its immediate tributaries deeply incise the till plain, exposing the underlying bedrock in many places. Discontinuous deposits of wind-transported, reworked outwash are present across the lobe and are identified as the Peoria Formation. These deposits, including a silt facie (loess) and a sand facie (eolian sand), abruptly overlies older Quaternary formations of mainly the Dows and Noah Creek Formations (Bettis, Quade, and Kemmis 1996:24–26).

The topography of the Southern Iowa Drift Plain is one of steeply rolling hills, level upland divides, stepped erosion surfaces, and dendritic drainage networks. Uplands are mantled by a moderate to thick cover of Wisconsinan-age loess. Pre-Illinoian glacial drift and underlying sedimentary bedrock are exposed within the deeper stream valleys. Southeast Iowa is dominated by broad, level upland divides that represent undissected remnants of surfaces developed during the Yarmouth and Sangamon stages on a Pre-Illinoian drift plain. The areal extent of undissected uplands decreases with distance westward, and stepped hillslopes and deep valleys dominate the south-central part of the state. In southwest Iowa, flat upland divides are nearly absent (Prior 1991:61–64).

Holocene alluvial valley fills in Iowa are subdivided on the basis of lithology and stratigraphic relationships into the Gunder, Corrington, Roberts Creek, and Camp Creek members of the DeForest Formation (Bettis and Littke 1987). Gunder Member alluvium and Corrington Member alluvial fans may contain Paleoindian through Woodland components; Roberts Creek Member deposits may contain Late Archaic through early historic components; and Camp Creek Member alluvium may contain buried and unburied historic archaeological components, and may bury older surfaces. The Flack and Woden Members are two recently defined members of the DeForest Formation specific to the Des Moines Lobe (Bettis, Quade, and Kemmis 1996:27–31). These members have not been adequately studied from an archaeological perspective to provide a range of possible prehistoric components.

LOCAL

The study area for the Des Moines Water Trails corridor includes the Des Moines metropolitan area and includes portions of seven counties including Boone, Dallas, Jasper, Marion, Polk, Story, and Warren counties. The corridor contains portions of five rivers and two creeks including the Des Moines, Middle, North, Raccoon, and South Skunk rivers, and Beaver and Walnut creeks. Only the South Skunk River segment forms its own study area while the other four rivers and two creeks form a contiguous study area. The study areas are defined as bluff top to bluff top across the valleys (Figure 2).

This larger study area includes portions of four rivers and two creeks. The Des Moines River segment begins close to the confluence of Eversoll Creek and the Des Moines River, roughly 2.5 km (1.5 mi) northwest of the town of Madrid, Boone County. The corridor continues south along the Des Moines for roughly 40 km (25 mi) to its confluence with the Raccoon River in downtown Des Moines, then continues southeast for another 60 km (37 mi) where it terminates at approximately the Perry-Red Rock Township line, Marion County. The Des Moines River segment is roughly 100 km (62 mi) in total length

and contains the lower reaches of Saylorville Reservoir at the northern end of the segment and the upper reaches of the Red Rock Reservoir at the southern end of the segment. Contiguous to the Des Moines River segment is the Raccoon River segment which begins roughly 2.5 km (1.5 mi) northwest of the town of Van Meter, Dallas County, and includes the confluence of the North and South Raccoon Rivers. This segment flows primarily east for roughly 50 km (31 mi) where it terminates at its confluence with the Des Moines River in downtown Des Moines. The North River segment begins .5 km (.3 mi) east of U.S. 65/69 and flows northeast for roughly 9.4 mi to where it enters the Red Rock Reservoir just to the northeast of the town of Carlisle, Polk County. The Middle River segment also begins .5 km (.3 mi) east of U.S. 65/69 and flows northeast for roughly 23 km (14 mi) where it enters the Red Rock Reservoir southeast of the town of Carlisle, Polk County. The Beaver Creek segment begins at the confluence of Little Beaver Creek and Beaver Creek just 1 mi west of Camp Dodge, and flows roughly 6.4 mi southeast then east along the north side of Interstate 80 to its confluences with the Des Moines River about 2.5 km (1.5 mi) east of the Merle Hay exit. Lastly the Walnut Creek segment begins about .4 km (.25 mi) south of the intersection of Interstate 235 and 63rd Avenue, and flows south-southeast for roughly 2.5 miles to its confluence with the Raccoon River near the Bill Riley Trail in Water Works Park, West Des Moines.

The South Skunk River segment begins about .8 km (.5 mi) north of Iowa 210, roughly 1.2 km (.75 mi) southeast of the town of Cambridge in Story County. This segment flows south and southeast through Polk county for roughly 29 km (18 mi) to where it terminates just north of the town of Colfax in Jasper County.

A total of 16 soil associations are mapped within the Des Moines River segment and 11 soil associations mapped for the South Skunk River segment for a total of 27 soil associations for the study area (Andrews and Diderksen 1981, Bryant and Worster 1978, DeWitt 1984, Diderksen 1983, Diderksen and Radatz 2000, Nestrud and Worster 1979, Russell and Lockridge 1980). These 16 associations in the Des Moines River segment include 46 soil series while the 11 associations in the South Skunk River segment include 32 soil series, all of which are summarized in Table 1. Soil associations for the two segments are described by county, from north to south, along the Des Moines River segment then followed by the South Skunk River segment.

The flood plain soils of the Des Moines River within Boone County are dominated by the Buckney-Moingona-Sattre Association, which are composed of nearly level to moderately sloping, excessively drained, moderately well drained, and well drained loamy soils on bottom lands, alluvial fans, foot slopes, and stream benches. Surrounding upland soils are dominated by the Hayden-Storden and Hayden-Lester-Luther Associations. Hayden-Storden Association soils are composed of very steep, well drained loamy soils formed on uplands. Hayden-Lester-Luther Association soils are composed of nearly level to moderately sloping, well drained and somewhat poorly drained loamy soils formed on uplands.

Soil associations for the Des Moines River within Dallas County are both identifies as upland associations including Canisteo-Clarion-Nicollet and Hayden-Storden-Lester. Canisteo-Clarion-Nicollet Association soils are composed of nearly level to gently sloping, poorly drained, well drained, and somewhat poorly drained, silty and loamy soils that formed in glacial sediments and glacial till on uplands. Hayden-Storden-Lester Association soils are composed of gently sloping to very steep, well drained, loamy soils that formed in glacial till on uplands. Flood plain soils of the Raccoon River in Dallas County are dominated by Nodaway-Wiota-Colo Association, which are composed of nearly level and very gently sloping, moderately well drained and poorly drained, silty soils that formed in alluvium on bottom lands and stream terraces. Surrounding upland soils are dominated by the Ladoga-Lindley and Sharpsburg-Shelby Associations. Ladoga-Lindley Association soils are composed of gently sloping to very steep, moderately well drained and well drained, silty soils formed in loess and glacial till on uplands. Sharpsburg-Shelby Association soils are composed of gently sloping to moderately sloping, moderately well drained, silty and loamy soils that formed in loess and glacial till on uplands.

The flood plain soils of the Des Moines River and Beaver Creek within Polk County are dominated by the Coland-Spillville-Wadena and Nodaway-Colo-Nevin Associations. Coland-Spillville-Wadena Association soils are composed of nearly level, poorly drained, somewhat poorly drained, and well drained loamy soils that formed in alluvium on flood plains and stream terraces. Nodaway-Colo-Nevin Association soils are composed of nearly level, moderately well drained, poorly drained, and somewhat poorly drained silty soils that formed in alluvium on flood plains stream terraces. Surrounding upland soils are dominated by the Canisteo-Clarion-Nicollet, Hayden-Storden, Downs-Fayette, Ladoga-Gara-Lindley, and Sharpsburg-Shelby-Lamoni Associations. Canisteo-Clarion-Nicollet Association soils are composed of nearly level to gently sloping, poorly drained, well drained, and somewhat poorly drained, silty and loamy soils that formed in glacial sediments and glacial till on uplands. Hayden-Storden Association soils are composed of very steep, well drained loamy soils formed on uplands. Downs-Fayette Association soils are composed of gently sloping to very steep sloping, well drained soils that formed in loess on summits, shoulders, and side slopes on uplands. Ladoga-Gara-Lindley Association soils are composed of gently sloping to very steep, moderately well drained and well drained, silty soils formed in loess and glacial till on uplands. Sharpsburg-Shelby-Lamoni Association soils are composed of gently sloping to moderately sloping, moderately well drained and somewhat poorly drained, silty and loamy soils that formed in loess and glacial till on uplands. The flood plain soils in the Raccoon River and Walnut Creek within Polk County are dominated by the Nodaway-Colo-Nevin Association. Surrounding upland soils are dominated by the Canisteo-Clarion-Nicollet, Hayden-Storden, Ladoga-Gara-Lindley, and Sharpsburg-Shelby-Lamoni Associations.

The flood plain soils of the Des Moines, North, and Middle Rivers within Warren County are dominated by the Zook-Wabash-Nodaway Association, which is composed of nearly level, very poorly drained to moderately well drained soils that formed in alluvium on flood plains and stream terraces. Surrounding upland soils are dominated by the Tama, Downs-Fayette, Sharpsburg-Lamoni, and Ladoga-Gara-Armstrong Associations. Tama Association soils are composed of nearly level to strongly sloping, well drained soils that formed in loess on uplands and high stream benches. Downs-Fayette Association soils are composed of nearly level to steep, well drained soils that formed in loess on uplands and stream benches. Sharpsburg-Lamoni Association soils are composed of gently sloping to strongly sloping, moderately well drained and somewhat poorly drained soils that formed in loess and glacial till on uplands. Ladoga-Gara-Armstrong Association soils are composed of nearly level to very steep, well drained to somewhat poorly drained soils that formed in loess and glacial till on uplands.

The flood plain soils of the Des Moines River within Marion County are dominated by the Nodaway-Zook-Ackmore Association soils, which are composed of nearly level to gently sloping, poorly drained to moderately well drained soils that formed in alluvium on flood plains of major streams. Surrounding upland soils are dominated by the Fayette-Downs and Ladoga-Clinton-Otley Associations. Fayette-Downs Association soils are composed of gently sloping to steep, well drained soils that formed in loess on uplands. Ladoga-Clinton-Otley Association soils are composed of gently sloping to strongly sloping, moderately well drained soils that formed in loess on uplands.

The flood plain soils of the South Skunk River within Story County are dominated by the Coland-Spillville-Zook Association, which are composed of nearly level, moderately well drained to poorly drained, loamy and silty soils formed in alluvium on flood plains. The Clarion-Storden-Coland Association is mapped on both flood plains and uplands and are composed of nearly-level-to-very steep well-drained and poorly drained, loamy soils formed in glacial till or alluvium on both uplands and flood plains. Surrounding upland soils are dominated by the Clarion-Webster-Nicollet, Hayden-Lester-Storden, and Sparta-Dickinson-Farrar Associations. Clarion-Webster-Nicollet Association soils are composed of nearly level to moderately sloping, well drained, poorly drained, and somewhat poorly drained, loamy soils formed in glacial till and local alluvium from till on uplands. Hayden-Lester-Storden Association soils are composed of gently sloping to very steep, well drained loamy solids

formed in glacial till on uplands. Sparta-Dickinson-Farrar Association soils are composed of nearly level to strongly sloping, excessively drained to well drained, sandy and loamy soils that formed in eolian, alluvial, and glacial till sediments on uplands and stream terraces.

The flood plain soils of the South Skunk River within Polk County are dominated by the Coland-Spillville-Wadena Association, which are composed of nearly level, poorly drained, somewhat poorly drained, and well drained loamy soils that formed in alluvium on flood plains and stream terraces. Surrounding upland soils are dominated by the Canisteo-Clarion-Nicollet and Hayden-Storden Associations. Canisteo-Clarion-Nicollet Association soils are composed of nearly level to gently sloping, poorly drained, well drained, and somewhat poorly drained, silty and loamy soils that formed in glacial sediments and glacial till on uplands. Hayden-Storden Association soils are composed of very steep, well drained loamy soils formed on uplands.

The flood plain soils of the South Skunk River within Jasper County are dominated by the Nodaway-Zook-Ackmore Association, which are composed of nearly level, moderately well drained to poorly drained soils that formed in silty and clayey alluvium on flood plains. Surrounding upland soils are dominated by the Clarion-Lester and Sparta-Chelsea-Dickinson Associations. Clarion-Lester Association soils are composed of gently sloping to moderately steep, well drained soils that formed in glacial till on uplands. Sparta-Chelsea-Dickinson Association soils are composed of gently sloping to very steep, excessively drained to well drained soils that formed in sands on uplands and terraces.

Vegetation cover within the project vicinity was under five different environs as identified in the early 1850s (Figure 2). Timber cover and prairie were the two most dominant vegetation covers noted. Timber cover was most predominant along the flood plain and valley walls of the Des Moines River and adjacent segments while prairie cover dominated the South Skunk segment. A large area of prairie is mapped along the northern portion of the Raccoon River segment as well as in the confluence area of the Raccoon and Des Moines segments. Prairie areas are also mapped along the Des Moines River to the south into Marion County. Timber was present within the South Skunk segment but was very limited to areas immediately along the channel and along the western valley wall and summit. Water was mainly mapped as the actual river channels within the flood plains while small marshes, sloughs, abandoned meanders, and ponds are noted in the uplands mainly to the north of the Des Moines metro area. These areas likely represent water retained within the Des Moines Lobe landform mapped in that portion of the study area. Multiple small areas of cultivated ground are noted with a focus on the confluence of the Des Moines and Raccoon Rivers which likely represent the early settlement of the metro Des Moines area. Additional cultivated area are note mainly along the Des Moines River to the south, again likely reflecting early settlement along the river.

The project area includes portions of 24 townships and passes through or very near 20 cities (Table 2; Figure 1). An additional 32 cities exist within 16 km (10 miles) of the corridor: Luther and Boone in Boone County; Clive, Dallas Center, Granger, and Waukee in Dallas County; Farrar, Loring, Mingo, Prairie City, Santiago, and White Oak in Jasper County; Pleasantville in Marion County; Alleman, Altoona, Bondurant, Grimes, and Mitchellville in Polk County; Ames, Collins, Huxley, Kelley, Maxwell, and Slater in Story County; and Ackworth, Cummings, Indianola, Norwalk, Palmyra, Sandyville, Springville, and Summerset in Warren County.

CULTURAL OVERVIEW

Native Americans lived in Iowa for at least 13,000 years. During this time, they gradually changed from highly mobile hunters and gatherers living in small camps to farmers living in large villages. This brief cultural history of Iowa summarizes information presented in *The Archaeological Guide to Iowa* by Whittaker et al. (2015) and *Iowa's Archaeological Past* (Alex 2000).

Paleoindian Period (13,500–10,500 years ago)

The glaciers were receding 13,000 years ago, and Iowa was covered by tundra and forests. A large glacier, the Des Moines Lobe, still covered much of north-central Iowa. The oldest artifacts found in Iowa are Clovis points, which have been found throughout the state. Although popular belief holds that Paleoindians were big-game hunters stalking mammoths and mastodons, research suggests most of their food likely came from small game and wild plants. So far, there are no definitive early Paleoindian sites in Iowa with preserved features such as hearths or houses. Paleoindians were fairly mobile, and probably did not create large sites. The sites they made in Iowa have either decayed or eroded away, leaving only stone artifacts, or are very deeply buried in river valleys. Numerous sites have Paleoindian spear points or other evidence of late Paleoindian occupation, such as the Five Island Lake site in Palo Alto County.

Archaic Period (10,500–2,800 years ago)

Most of Iowa's prehistory is included in the Archaic period. During the Archaic, humans shifted toward hunting and gathering within smaller territories and built increasingly larger sites, which they occupied seasonally. The climate during the Archaic changed over time. A gradual warming of the climate in the Early Archaic led toward the establishment of ecosystems not unlike modern conditions. At the Hypsithermal peak, a worldwide period of warming that climaxed about 6,000–8,000 years ago, Iowa was warmer and dryer, more like Kansas is today, but then the climate gradually cooled back to modern conditions. Changes in bison hunting strategies during the Archaic can be seen at the Cherokee Sewer site. Toward the end of the Archaic, pottery making, plant cultivation, and mound building began. In western Iowa, bison hunting appears to be a major source of food and materials. In central and eastern Iowa, sites were larger and more complex. The earliest known human burials occur at Middle Archaic sites like Palace and Turin. The best evidence for early house structures comes from Middle Archaic sites such as the Palace site in Des Moines and at McNeal Fan near Muscatine.

Woodland Period (800 B.C.–A.D. 1250)

The Woodland period is known for domestic plants, pottery, and mounds, all things that actually appeared at the end of the Late Archaic, and for increasing numbers of more settled communities occupying defined territories. The shift away from hunting and gathering to agriculture was slow, and wild foods would always remain important to prehistoric Iowans.

The Early and Middle Woodland periods appear to have been times of social flourishing. Near the Mississippi valley, Early Woodland Indians built large burial mounds and traded exotic raw material over long distances. During the Middle Woodland period, Indians in eastern Iowa participated in the Havana and Hopewell interaction networks, obtaining copper from the Great Lakes, shell from the Gulf Coast, and obsidian from the Rockies.

The Late Woodland period does not display the same degree of long-distance interaction and trade as the Early and Middle Woodland periods, but Late Woodland sites are common. True arrowheads, thinner ceramics, and new crops, including maize, appeared, but agriculture was small scale, and people appear to have depended on highly localized hunting and gathering. Late Woodland sites suggest a steady increase in population and regional variation. It is likely that many of the small sites with conical mounds in Iowa date to the Late Woodland period. It was during this time that Native Americans built in northeast Iowa.

Late Prehistoric (A.D. 900–1600)

Maize farming appeared in the Woodland period in Iowa, but it intensified in the Late Prehistoric period, perhaps because more productive and robust corn varieties emerged. Maize farming may have allowed the human population to increase, and this increase in population likely led to large villages. In Iowa, there is a split between east and west in the Late Prehistoric period.

Western Iowa sites in the Missouri River basin made the transition to village life earlier, and had closer cultural ties to people on the Plains. In western Iowa, rectangular earth and timber lodges appeared about 1,000 years ago during the Great Oasis culture. Subsequently, compact village sites appeared in northwest Iowa fortified with ditches and earthen berms are placed within the Middle Missouri tradition. The people living at Middle Missouri Mill Creek sites in northwest may be, in part, the ancestors of later Plains tribes such as the Hidatsa and Mandan. In southwest Iowa, contemporaneous Central Plains tradition earthlodge sites appeared, locally known as the Glenwood phase, who may be related to the Arkiara and Pawnee.

In eastern Iowa, the Late Woodland lasted longer and was eventually transformed into the Oneota tradition. Oneota houses were not as heavily constructed, however, they were found within large enclosed villages. Oneota people were living in western Iowa by the 1300s. The people associated with Oneota sites in Iowa are the likely ancestors of historically known tribes, such as the Ioway, Otoe, Missouriia, Ho-Chunk (Winnebago), Kansa, Osage, and possibly the Omaha-Ponca. In central Iowa, including the Des Moines region, western-oriented Great Oasis sites are replaced by eastern-oriented Oneota sites.

Protohistoric (A.D. 1600–1800)

The Oneota cultures were the first observed by European explorers and traders. Indians began to acquire European goods, and large population shifts occurred because of disease and migration during the protohistoric period, so called because it typically lacks the written accounts of the later historic period. Warfare pushed eastern Algonquian language-speaking tribes such as the Illinois, Sauk, Meskwaki, and Potawatomi into Iowa.

Protohistoric sites often emerged from Oneota sites, such as Blood Run in northwest Iowa and Iowaville in southeast Iowa. As contact with Europeans increased in the protohistoric, archaeological sites were dominated by European trade goods, and Native ceramic forms and stone projectile points became uncommon.

Historic Period (post-A.D. 1800)

After Marquette and Joliet paddled down the Mississippi in 1673, written accounts of the land that would be Iowa increasingly help to flesh out the archaeological record. Because such accounts existed for some parts of the state earlier than for others, the historic period also begins at different times in different places.

European-sponsored enterprises affecting Iowa during this time included the fur trade and, in northeastern Iowa, lead mining. In 1762, the area that is now Iowa came under Spanish rule. The Mines of Spain State Recreation Area, Dubuque County, is a portion of Julien Dubuque's original land grant which he received from the Spanish government in 1796. The United States obtained Iowa as part of the Louisiana Purchase in 1803, and soon thereafter President Jefferson sent Lewis and Clark to explore the Louisiana Purchase. They traveled up the Missouri River in 1804, meeting with the Oto and Missouri tribes and hunted in the Loess Hills. Sergeant Charles Floyd, one member of the Lewis and Clark expedition, was buried in Iowa, and references to Iowaville occur in the Corps of Discovery's maps and journals and on other early maps.

As the newly formed United States tried to assert control over the region, the government built forts to dissuade occupation by foreign forces, especially the British. In 1809, Fort Madison was built and

soon after became the scene of the only true military battle in Iowa. It has well-preserved early historic deposits, including a battlefield buried under a parking lot. Other forts explored archaeologically include Fort Atkinson, Fort Dodge, and Fort Des Moines. As resident and new Indian peoples were pushed through Iowa prior to Euroamerican settlement, trading posts were built to accommodate (and exploit) them. Historic Indian settlements occupied by Ioway, Meskwaki, Sauk, and Ho-Chunk have been excavated. The earliest American settlers included some famous figures, including Governor Robert Lucas, who lived at Plum Grove in Iowa City, and the early trader/pioneer/entrepreneur Antoine LeClaire. Early towns and industry included the Bonaparte Pottery, the African American community at Buxton, the Elgin Brewery, Hurstville, and the Motor townsite. Sites where historic events occurred include the Hitchcock House, a stop on the Underground Railroad; Jesse Hoover's blacksmith shop, where young Herbert Hoover played; and Terrace Hill, today's governor's residence. Other excavations focused on the daily lives of Iowans in the nineteenth and twentieth centuries, including the town of Bowen's Prairie and urban residential excavations in Des Moines and Iowa City.

Cultural Resources Assessment

METHODS

The Iowa Site File (OSA 2015) and historical atlases (Andreas 1970, Allen 1887, Andrews 1908, Biographical Publishing 1894, Brigham 1911, Clarke 1902, Donnel 1872, Goldthwait 1914, Goodspeed 1890, Hastie 1938, Martin 1908, Payne 1911, Schultz 1953, Union Historical 1879a, 1879b, 1880, 1881a, 1881b, Warren County Genealogical Society 1987, Weaver 1912, Western Historical 1878, Wood 1907, Wright 1915) were reviewed for this reconnaissance project. The National Register Information System web site (National Park Service 2015) and the Boone, Dallas, Jasper, Marion, Polk, Story, and Warren county plat books (Anderson 1916, 1918; Foote and Hood 1887a, 1887b; Harrison & Warner 1872; Hixson 1930a, 1930b, 1930c, 1930d; Hoovey 1897, 1901, 1902; Hoovey & Frame 1920a, 1920b; Huebinger 1901, 1902; Indianola Record 1902-03, Jackson Publishing 1929; Kean Map Company 1929; Kenyon Company 1914a, 1914b, 1919, 1926; McVicker 1872; Midland Map Company 1911, 1915; Northwest Publishing 1907; Payne & Sons 1908; Tate 1899; Warner 1871; Warner and Foote 188) were also reviewed for this project. The 1847–1849 General Land Office (GLO) survey map for the area was also consulted (Office of the Secretary of State 1981).

The State Historic Preservation Office (SHPO) database of conclusions on National Register eligibility was examined, as were pertinent archaeological reconnaissance and survey reports. Over 990 individual reports summarizing the results of archaeological investigations were included in this review. Along with the other references for this report, total citations yielded roughly 20 pages of references. This large number makes individual author and date citations in this section impractical. A complete tally of the more than 990 individual project reports is included in the references cited section towards the end of this report.

The SHPO provided an inventory of previously evaluated architectural resources. Bridge information was obtained from the Iowa Department of Transportation's Structure Inventory and Inspection Management System (IDOT 2015). The Iowa Historic Bridge Inventory was also reviewed (Fraser 1989).

Geographic Information System (GIS)

The DNR provided three base layer shapefiles to OSA: the water trail route, existing river access points, and possible future access points. The OSA created the shapefile defining the Des Moines Water Trail to extend from river valley blufftop-to-blufftop, a study area width that ranged from 1 to 6 km (.6

to 3.7 miles). This wider project area study corridor allows the DNR to understand the historical context in which the river lies.

The OSA generated or modified four shapefiles, all of which were provided to the DNR as part of this projects' deliverables. These shapefiles pertain to cultural resources situated within the study area, including locations of previously recorded archaeological surveys and sites, and architectural history resources. Provided data sets include:

1. Buffered_corridor
 - a. This shapefile contains two polygons, one for the Des Moines segment containing portions of the Des Moines, Middle, North, and Raccoon Rivers, and portions of Beaver and Walnut Creeks, and one for the a portion of the South Skunk River segment—a bluff top-to-bluff top area which represents the present study area.
2. ArchaeoSurveys
 - a. This polygon shapefile contains intensive level archaeological surveys, cropped to the Des Moines Water Trail's DM_Regional_buffer.shp. All intensive Phase I surveys that are submitted to the SHPO of Iowa are mapped within.
 - i. The IDA, IDB, and IDC identifiers refer to the SHPO tracking number, called a Review and Compliance (R&C) code. For the archaeological surveys in the corridor, a single archaeological survey can be associated with up to five code numbers.
3. ArchaeologyQuarters
 - a. All Iowa Site File-recorded archaeological sites within the corridor are presented in this polygon shapefile, although the locations have been generalized to within a quarter section, to protect the exact site location.
 - b. Associated data includes site trinomials, site type, recovered artifacts, citation, and cultural association.
 - i. Site type categories in the project area include burials, camp, cemetery, claim cabin, cemetery, dump, farmstead industrial, isolated find, lithic workshop, mill, mounds, non-mound earthworks, open habitation, quarry, resource procurement, road/trail, scatter, school, structure/building remains, town, trading post, village, and unknown.
 - ii. Artifacts presents a summary of recovered cultural materials, such as three-quarter grooved axe, Hardin point, glass, flaking debris, “none (archival research only)”, etc...
 - iii. Citation refers to the pertinent archaeological report or other document that discusses the site in detail.
 - iv. Cultural association includes nomenclature used by the Iowa Site File that pertains to cultural designations, e.g., Paleo-Indian, Archaic, Woodland, prehistoric, historic, and unknown.
4. Cemetery
 - a. This digital, geographically referenced data set of points was developed by the Iowa Department of Natural Resources to carry out agency responsibilities related to management, protection, and development of Iowa's natural resources.
 - i. No additional cemeteries were noted during archival research. It is still possible that other, unmarked or unrecorded cemeteries, are located elsewhere in the study corridor.
5. Architectural
 - a. This point file shows the locations and distribution of historic properties contained within the Iowa Inventory at SHPO, cropped to the DM_Regional_Buffer.shp.

- i. Data associated with each point includes INV_ID (the architectural site inventory number assigned by SHPO); HIST_NAME (the resource name, e.g., Dreamland Theater or Bridge #284240); LISTED_DAT (the date the property was listed on the National Register of Historic Places); RESOURCE_T (resource type: structure, building, or site); the street address; the nearest city; construction year; significant dates; subdivision, block, and lot; whether or not the property is extant; Criteria and/or Considerations; and construction materials.

RESULTS

At least 990 separate archaeological investigations have occurred in the study area. Known cultural resources include 756 recorded archaeological sites and 2,673 architectural resources with associated Iowa Site Inventory numbers. Several properties are listed on the National Register of Historic Places (NRHP).

Prior Archaeological Investigations

Prior archaeological surveys have covered 50.1 percent (20,700 ha; 51,148 ac) of the entire Des Moines Water Trail study area (Figure 3). A total of 20,531 ha (50,733 ac) has been archaeologically surveyed for the Des Moines River segment of the project, or roughly 49 percent of the total buffered area. A total of 168 ha (415 ac) has been archaeologically surveyed for the South Skunk segment, or just over 1 percent of the total buffered area. These surveys mostly pertain to proposed road and bridge construction, but also include other types of construction projects, such as communications (cellular) towers, culverts, wetland restorations, house and other building construction, urban development, quarries, wastewater facilities, and utility lines (fiber optic cables, natural gas pipelines, electrical transmission lines, rural waterlines and water towers).

These projects include at least 990 separate reports related to archaeological investigations, most of which are Phase I (archaeological survey) projects. Table 3 contains more than 990 entries, because this table serves as a key to the GIS shapefile, where a single investigation may be associated with more than one polygon in the shapefile. In Table 3, “R&C” (Review and Compliance) refers to SHPO’s tracking number for individual projects.

Previously Recorded Archaeological Sites

There are 756 archaeological sites recorded within the study area (Table 4; Figure 4). About 86 percent of the recorded sites ($n = 652$) are discussed in professional archaeological reports. Of the remaining 104 sites, the only associated paperwork is the Iowa Site File form. Cultural associations include 455 sites with prehistoric components and 301 sites with historic components. Specific cultural associations have been assigned to 164 of the prehistoric sites, three Paleoindian, 23 Archaic, 95 Woodland, and 43 Late Prehistoric (either Oneota or unknown Late Prehistoric); numerous sites are multicomponent. There are 11 historic Indian sites, with the only noted associated tribes being the Meskwaki, Fox, and Sauk. There are 290 sites identified with Euro-American components only.

Recorded prehistoric site types include burials, camp, cemetery, isolated find, lithic workshop, mound(s), non-mound earthworks, open habitation, quarry, resource procurement, scatter, village, and unknown. Historic site types include cemetery, claim cabin, dump, farmstead, industrial, mill, road/trail, scatter, school, structure/building remains, town, village military, and trading post.

Previously Recorded Architectural Resources

There are 2,673 properties within the study area that have associated Iowa Site Inventory numbers, although there is some duplication of numbers in the SHPO database (Table 5; Figure 5). Inventoried properties mainly include houses, with the remainder in miscellaneous or unknown categories. Other property types include apartments, barns, bridges, cemeteries, farmsteads, churches, commercial buildings (e.g., stores, taverns, theaters), depots, fraternity and sorority houses, governmental-administrative buildings, parking facilities, parks, power plants, and schools.

National Register of Historic Places

The Des Moines Water Trails buffered study area contains no National Historic Landmark sites. There are also no archaeological sites listed on the National Register of Historic Places within the study area. There are a total of 24 sites recommended as eligible, including two in Dallas County, three in

Marion County and 19 in Polk County. Nineteen other sites have been determined eligible for the NRHP including one each in Dallas and Marion counties and 17 in Polk County. A total of 23 have been determined as potentially eligible including eight in Dallas County and 15 in Polk County. Of the remaining 690 sites, archaeologists have recommended that 87 are not eligible for NRHP listing (Table 6; Figure 6). At the remaining 603 sites, no professional archaeologists have assessed site significance.

Known Cemeteries

There are nine known cemeteries within the study area including Booneville, Clayton, and Van Meter in Dallas County, Byers, Franklin, Hopkins Grove, Rittgers, and Wicker in Polk County, and Hughes in Marion County. Five of the nine cemeteries are more than 1 km (.6 mi) from the river including Booneville, Clayton, Rittgers, Van Meter, and Wicker cemeteries. One additional cemetery, the Iowa Veterans Cemetery in Dallas County, was noted during archival research. It is still possible that other, unmarked or unrecorded cemeteries, are located elsewhere in the study corridor. The location of these nine cemeteries are shown in Figure 7.

Future Work

This section discusses areas of possible future development related to water trail improvements, areas of especial cultural resource sensitivity, information useful in developing interpretive materials, and finally, a discussion of future archaeological research objectives for the area.

PRIORITY AREAS FOR FURTHER STUDY DUE TO POSSIBLE FUTURE DEVELOPMENT

The Des Moines Water Trail presently has 30 access points for both the Des Moines and South Skunk segments. Accesses along the Des Moines River and Beaver Creek, moving from north to south, include the Highway 210, Sub-1 Ramp, Lewis A. Jester Park, Lincoln, Saylorville Marina, Sandpiper, Cherry Glen Day Use, Cherry Glen, Lakeview High Water, Lakeview Main A, Lakeview Main B, Cottonwood, Sycamore, Prospect Park, and Birdland Park accesses. Accesses along the Raccoon River and Walnut Creek, moving west to east, include Booneville, Walnut Woods State Park, and Des Moines Water Works Park accesses. Accesses along the Des Moines, North, and Middle Rivers, moving north to south, include Harriet Street, Pleasant Hill Boat Ramp, Yellow Banks, Yellow Banks Watercraft Campsite, Ford, Runnells, Bennington Bridge, and Box Cars. Accesses along the South Skunk River, moving north to south, include C. J. Shreck, Chichaqua Canoe, and Oswalt Bridge.

There are also eight possible future access points identified for the Des Moines Water Trail. Three possible accesses are located along Beaver Creek and include Beaver Creek #1, #2, and #3. Five possible access are located along the Raccoon River and include Van Meter, Water Works, Gray's Lake, Mullets Landing, and Scott Street. There no possible future accesses identified for the South Skunk segment.

Most water trail developments will occur at existing access points or at portages around dams. Such access point improvements might include bank shaping, redesigning or repositioning the access, implementing conservation techniques to capture storm water runoff, parking lot improvements, installation of signage including interpretive panels, and restroom or utility improvements.

Other possible, although less common, improvements outside of existing access points could include creation of new accesses, primitive paddle-in/paddle-out campsites, stream bank stabilization projects, and dam modification projects. Presently, there are no identified potential locations for improvements outside existing access points. On rare occasions, usually in urban settings, "gateway" projects may occur, although none are slated for the present water trail corridor. Gateway work could include larger installations, such as river walks, dam mitigations, and new campgrounds.

Summary information about the 30 existing and eight possible access points is provided in Table 7, with special notes about archaeological potential discussed in the text below. The first 35, including 27 existing accesses and the eight possible future accesses are located along the Des Moines segment of the trail while the remaining three are located along the South Skunk segment of the trail.

Highway 210 Access

The Highway 210 Access is located about 3 km west of Madrid on the east bank of Saylorville Lake, about 200 m north of the 334th Road bridge. The nearest architecturally inventoried structure is 900 m to the southwest, the 1912 C.M. St. P. & P. Railroad over the Des Moines River (08-00019). There are no parcels on the NRHP within 1 mile of the access.

The access area was previously surveyed as part of the Saylorville Reservoir project (e.g. Benn 1986; Benn and Rogers 1985; Gradwohl and Osborn 1976; Osborn and Gradwohl 1981; Stanley and Benn 1985). The access is located within the Langland archaeological site (13BN108) recorded by Gradwohl and Osborn (1976) as a prehistoric and historic scatter. Although Gradwohl and Osborn recommended further archaeological work, including resurvey and monitoring, there is no record in OSA or SHPO archives of any further work occurring at this site.

Other nearby archaeological sites include 13BN204 just northwest of the access, which contained a triangular point (Late Woodland or Late Prehistoric) in a lithic and historic scatter. This site is now submerged below the lake. Site 13BN275 was located to the north, it consisted of a prehistoric and historic scatter recommended for preservation (Stanley and Benn 1985). To the northeast was site 13BN274, also a prehistoric and historic scatter recommended for preservation (Stanley and Benn 1985).

The access area is situated in Buckney channeled, a Roberts Creek/Gunder soil that may preserve prehistoric sites. Historic maps and aerial photos indicate the access area has not been disturbed by river shifts in the historical era.

- Given the presence of a recorded prehistoric and historic site (13BN204) within the access area that was recommended for further work (Stanley and Benn 1985), the absence of demonstrated disturbance, and the proximity to archaeological sites with preservation recommendations, intensive Phase I archaeological survey is recommended before any construction activity at the Highway 210 Access.

Sub-1 Ramp Access

The Sub-1 Ramp Access is situated on the west bank of Saylorville Lake just below the mouth of Xenia Creek, about 3.5 km southwest of Madrid. Soils of the access area are mapped as Dickinson, an eolian soil that has the potential to preserve prehistoric sites. There are no inventoried historic structures within 1 mile of the access.

The archaeological resources of the Saylorville Reservoir have been studied extensively (e.g., Ashworth and McKusick 1964; Benn 1986; Benn and Bettis 1981; Benn and Rogers 1985; Brown 1966; Gradwohl and Osborn 1973, 1975, 1980; Osborn and Gradwohl 1981). The access area specifically was surveyed by Ashworth and McKusick (1964), who identified site 13DA5, an Archaic scatter, at the access spot in 1962. It was resurveyed by Gradwohl and Osborn (1975:114), and test excavated by Stanley and Hoppin (1989), who extensively shovel tested the area and determined that the site lacked integrity- artifacts were from upper, disturbed levels and much of the site area was impacted by recent development.

- Although the Sub-1 Ramp Access contained an Archaic site (13DA5), the site and access area was intensively surveyed by Stanley and Hoppin (1989), who determined the site lacked integrity. Because of this previous archaeological survey, no further archaeological work is recommended for the Sub-1 Ramp Access.

Lewis A. Jester Park and Lincoln Accesses

The Lewis A. Jester Park and Lincoln Accesses are about 500 m apart on the west bank of Saylorville Lake along NW Jester Park Lake Drive. These areas were part of the larger Saylorville archaeological surveys (Ashworth and McKusick 1964; Benn and Rogers 1985; Brown 1966; Gradwohl and Osborn 1973, 1975, 1980; Osborn and Gradwohl 1981). These surveys were typically opportunistic and they inconsistently applied subsurface survey methods, so it is not clear what types of survey methods were employed at the access points. Jester County Park, which includes the access points, was historically inventoried (77-11061). To the east of the Lincoln Access an unknown structure was inventoried (77-02505) that was later flooded. No structures or properties within a mile are listed on the NRHP.

The nearest archaeological site is 13PK767, a group of two conical mounds on the bluff edge between the access points, identified during a small survey by Benton and Tiffany (2000) after accidental exposure of human remains. A third mound was also found on a nearby bluff by Benton and Tiffany, 13PK768. To the southeast of the Lincoln Access, site 13PK283 was recorded about 115 m away on the terrace (Iowa Site File).

Soils of the accesses are mapped as Lester and Wadena loam, both comparatively shallow glacially derived soils. The 1847 GLO map and historic aerial photos indicate the Des Moines River has kept to the east of the accesses historically. Although areas near the accesses were modified in the 1970s by their construction, large areas nearby appear to be intact.

- If areas near the accesses are planned for construction, it is recommended that they be archaeologically surveyed. It is not clear how, or if, these accesses were archaeologically surveyed for the Saylorville Reservoir, and there is soil and archival evidence that nearby areas may contain intact soils. The presence of three mounds and a Woodland site nearby also suggests there may be prehistoric occupations at or near these locations.

Saylorville Marina Access

The Saylorville Marina Access includes a large marina carved from the Saylorville Lake bluff, about 2 km south of Polk City, on the west bank of what used to be Big Creek, but is now part of Saylorville Lake. Included as part of the larger Saylorville archaeological surveys (Ashworth and McKusick 1964; Benn and Rogers 1985; Brown 1966; Gradwohl and Osborn 1973, 1975, 1980; Osborn and Gradwohl 1981), it is not clear how the access area was surveyed. The Saylorville surveys inconsistently applied subsurface survey methods. The nearby Croydon Bridge, 1 km southwest, was included in an architectural inventory (77-02343); this bridge has since been demolished. There are no NRHP-listed properties within a mile of the access.

The marina was constructed in the 1970s, and two recorded archaeological sites overlap the marina. Site 13PK131 covers the north end of the marina, and site 13PK137 the south end. Site 13PK131 was a small prehistoric scatter and nineteenth century scatter identified in 1968. By 1971, the site was destroyed for borrowing for the Big Creek barrier dam (Gradwohl and Osborn 1973:37–38; Iowa Site File). Site 13PK137 likewise represented a small scatter of prehistoric and late historic artifacts; it, too, was destroyed by borrowing for the Big Creek barrier dam (Gradwohl and Osborn 1973:40).

- Given the extensive disturbances caused to the Saylorville Marina Access area by the ca. 1971 borrowing for the Big Creek barrier dam and the 1970s construction of the marina, there is no potential for intact prehistoric or early historic archaeological deposits. No further archaeological work is recommended.

Sandpiper Access

The Sandpiper Access is located about 2 km south of Polk City in the Sandpiper Recreation area on the east side of Saylorville Lake. This area was part of the larger Saylorville archaeological surveys (Ashworth and McKusick 1964; Benn and Rogers 1985; Brown 1966; Gradwohl and Osborn 1973,

1975, 1980; Osborn and Gradwohl 1981). These surveys were typically opportunistic and they inconsistently applied subsurface survey methods, so it is not clear what types of survey methods were employed at the access. The nearby Croydon Bridge, 300 m south, was included in an architectural inventory (77-02343); this bridge has since been demolished. There are no NRHP-listed properties within a mile of the access.

To the immediate southeast of the access is site 13PK109, the Croydon Site, first identified in 1967 as containing Archaic, Woodland, and historic occupations; this was also the town site of Croydon (Ben and Rogers 1985; Gradwohl 1973a). This site was recommended for further archaeological testing, and Benn (1986:55) mentioned that it was tested and lacked edibility for listing in the NRHP. Site 13PK162 is about 300 m upstream from the access, documented by Gradwohl (1973b) and Gradwohl and Osborn (1975:54); this site contained an historic cemetery associated with the old town of Croydon and a lithic scatter.

Soils of the access are mapped as Storden-Hayden complex, 25 to 50 percent slopes, a glacially derived complex that is typically shallow and eroded. Much of the lake edge, including the access area is visibly eroded in aerial photos.

- Given the slope, visible erosion, and soil type of the Sandpiper Access, it is unlikely that it will contain intact prehistoric deposits. One prehistoric site excavated on the same landform lacked integrity. No further archaeological work is recommended for the Sandpiper Access.

Cherry Glenn Access and Cherry Glenn Day Use Access

These two access points are 600 m apart on the east side of the Des Moines River along Saylorville Reservoir Road (NW 94th Avenue). The Cherry Glenn Day Use Access is along the river edge, the Cherry Glenn Access is inland along the road.

There are four inventoried structures and parcels within 1 mile of the accesses, all about 1 km to the northeast along NW Polk City Drive (County Highway 415), including two houses (77-02330 and 77-08184), a barn (77-02331), and the Union Cemetery (77-11207). None are listed on the NRHP.

The access areas were part of a broad, multi-decade, survey of Saylorville Reservoir (Ashworth and McKusick 1964; Brown 1966; Gradwohl and Osborn 1973, 1975, 1980; Osborn and Gradwohl 1981); the area between the accesses was surveyed by Stanley and Benn (1985), and a smaller survey to the northeast was made by Emerson et al. (1983). The field methods of the Saylorville Reservoir surveys are not always clear, but they seem to be based on pedestrian survey with minimal subsurface testing.

Because of the abundance of surveys around Saylorville Lake, there are more than 30 recorded archaeological sites within 1 mile of the accesses and 15 within 1 km. Site 13PK27, ca. 500 m east of the accesses, was first noted by Ashworth and McKusick (1964:12) and revisited by Gradwohl and Osborn (1973:21–24). It was considered a likely Woodland scatter with an historic component. Site 13PK107 was recorded in 1967 by Gradwohl and Osborn (1973:14) and includes Woodland ceramics, lithics, and historical debris scattered about 250 m south of both access points. Much of the site area was destroyed by construction of an artificial harbor in the 1970s. Located 800 m northwest of the access points, site 13PK111, the Klein's Kleinesfeld site, was recorded in 1967. Woodland artifacts were recovered, as was human remains (Gradwohl and Osborn 1973; Fisher 1981). This site was test excavated by Stanley and Benn (1985:55–86) when it was determined that it was a multi-component site occupied from the Late Archaic to the early Late Woodland periods; this site was recommended as not having enough integrity to be listed on the NRHP. Site 13PK112, the Klein site, is located 600 m northwest of the accesses along the riverbank. It contained Woodland and historic material (Gradwohl and Osborn 1973:31–32); it was excavated by Osborn and Gradwohl (1981:46–56), who were equivocal about its significance. Also site 13PK110 recorded by Gradwohl and Osborn (1973:33–34) as a Middle Woodland scatter. Excavations (Osborn and Gradwohl 1981:35–46) suggested it was Late Archaic or Early Woodland in age. Site 13PK113 was a lithic scatter 650 m north of the accesses on a terrace which

contained Woodland and historic artifacts (Gradwohl and Osborn 1973). Like nearby sites, 13PK114 was identified by Gradwohl and Osborn (1973) and excavated by Osborn and Gradwohl (1981:57–68), who found evidence of repeated Woodland occupations, but poor preservation. Site 13PK139 is located to the south between the two access points; it was a small prehistoric surface scatter (Gradwohl and Osborn 1973:42). Site 13PK155 was a scatter with a Woodland point and a few flakes (Gradwohl and Osborn 1973:63). Site 13PK197 was a scatter 200 m south of the Cherry Glenn Access that contained Woodland and Archaic points; it was considered destroyed (Stanley and Benn 1985:41–42); human remains were recovered from this site (Schermer et al. 1995). Site 13PK240 was a minor lithic scatter between the two access points; it was probably destroyed (Stanley and Benn 1985:42). A site with a possible Agate Basin point, 13PK242 is 170 m upstream from the Cherry Glenn Day Use Access. Extensive testing recovered minimal artifacts (Emerson 1983:37–39; Osborn and Gradwohl 1981:322–329). Site 13PK247 was a minor lithic scatter on the bluff 750 m north of the accesses (Stanley and Benn 1985:52–54). Site 13PK280 included a Middle Woodland point in a minor scatter 200 m north of Cherry Glenn Access (Stanley and Benn 1985:43). Site 13PK295 was a scatter with broken points 400 m north of the accesses on the blufftop (Stanley and Benn 1985:37–41). Site 13PK296 was a minor scatter that had few artifacts recovered during test excavations (Iowa Site File; Osborn and Gradwohl 1981).

Historical maps indicate the Cherry Glenn Day Use Access has been heavily modified beginning in the 1970s when Saylorville Lake was created. It is situated on a point of land that did not exist prior to the 1970s, apparently on a large pile of fill made after the excavation of the marina to the southeast. Soils are listed as a mix of Spillville loam and urban land. The Cherry Glenn Access shows less disturbance, at this time consisting of a turnoff. It is situated on Hayden loam, a glacial till soil that can have an E horizon. It has a very high LANDMASS value of .98.

- The Cherry Glenn and Cherry Glenn Day Use access points are in the midst of archaeologically rich areas. The large number of sites identified during the Saylorville Reservoir surveys nearby suggest that the accesses may contain prehistoric or early historic sites if the soils and landform are still intact. Previous survey may not have included subsurface testing in the access areas.
- The Cherry Glenn Day Use Access is situated on a landform heavily modified since the 1970s and is therefore unlikely to have intact early historic or prehistoric sites. No further archaeological work is recommended at the Cherry Glenn Day Use Access.
- The Cherry Glenn Access exhibits minimal surface disturbance, given the abundance of recorded prehistoric sites around it, intensive Phase I survey is recommended before any construction.

Lakeview Main A, Lakeview Main B, and Lakeview High Water Accesses

The three Lakeview access points are located on the west bank of Saylorville lake at the end of Saylorville Reservoir Road just northwest of the Saylorville Dam; they span an area about 280 m. These areas were included in the larger Saylorville archaeological surveys (Ashworth and McKusick 1964; Benn and Rogers 1985; Brown 1966; Gradwohl and Osborn 1973, 1975, 1980; Osborn and Gradwohl 1981). These surveys were typically opportunistic and inconsistently applied subsurface survey methods, so it is not clear what types of survey methods were employed at the access points. Site 13PK268 is 250 m to the southeast, a prehistoric scatter recorded in 1976 by Iowa State University (Iowa Site File). Site 13PK119 is 260 m to the south, it is a small prehistoric scatter recorded by Gradwohl and Osborn (1974:33). Although no nearby properties have historic inventories, 1 km to the west is Camp Dodge, an NRHP historic district.

Soils are mapped as urban land, orthents, and Hayden loam. Hayden soils are derived from glacial till, and often have an E horizon in the typical pedon, and therefore has some prehistoric site preservation

potential. Urban land and orthents are generally too young to have intact prehistoric or early historic deposits. Aerial photos show the areas were extensively modified in the 1970s and 1980s during the construction of the accesses, which are now large, paved, and extensively contoured.

- Given the extensive modification to the landscape for the construction of the current access points, no further archaeological work is recommended for the three Lakeview accesses.

Cottonwood Access

The Cottonwood Access is situated 1 km below the Saylorville dam on the east bank of the Des Moines River where the spillway and outlet channels merge. There are no historic architectural inventories within 1 km of the access.

This general area was surveyed numerous times as part of the larger Saylorville archaeological surveys (Ashworth and McKusick 1964; Benn 1986; Benn and Bettis 1981; Benn and Rogers 1985; Brown 1966; Gradwohl and Osborn 1973, 1975, 1980; Osborn and Gradwohl 1981), although the specific access area could not be surveyed since it was submerged. Historical maps and aerial photo show the access area has been extensively reworked since 1848, and the access was the location of the main river channel from the 1950s until the late 1970s or early 1980s. The nearest recorded archaeological site is 415 m southwest, 13PK306, a prehistoric scatter. Soils of the area are mapped as “water;” nearby areas are Spillville-Coland complex, channeled, typically a late historic Camp Creek member soil.

- Given the late twentieth century river rechanneling of the Cottonwood Access area, no further archaeological work is recommended.

Sycamore Access

The Sycamore Access is located just north of the NW 66 Avenue Bridge on the east bank of the Des Moines River about 2.5 km below the Saylorville Dam. The nearest structure that has been historically inventoried is the Kempton Bridge (77-10912) just to the south. There are no NRHP-listed properties within a mile of the access. Soils of the access area are mapped as Wiota silty clay loam, a Gundermember soil that may contain intact prehistoric archaeological deposits.

The area around the access has been repeatedly surveyed archaeologically, resulting in the discovery of numerous nearby archaeological sites (Benn 1986; Benn and Bettis 1981; Benn and Harris 1983; Lueck et al. 1997; Roberts 1992; Rogers 2008; Rogers and Meseke 2009). Rogers (2008) identified this area as having a moderate-to-high potential for intact archaeological sites.

Two large sites, 13PK414 and 13PK415 are nearby to the north, both were test excavated. Site 13PK414 was a prehistoric scatter with Middle Archaic and Middle Woodland artifacts. It was test trenched with a 50-m-long backhoe trench which revealed a low artifact density and no features (Benn and Harris 1983:84–87). Lueck et al (1997) conducted a second test excavation of 13PK414, and found no evidence of the site. Site 13PK415 contained Late Woodland material mixed in a plow zone. Four test units excavated at the site encountered just two heated rocks and one cobble (Benn and Harris 1983). Neither site was recommended for listing on the NRHP. To the immediate northeast of the access, site 13PK400 consisted of an isolated flake (Benn and Bettis 1981:18). To the east of the access, sites 13PK402 and 403 consisted of flake scatters (Benn and Bettis 1981:19). Site 13PK403 was recommended for preservation, avoidance, or testing (Benn and Bettis 1981:19). Lueck et al. (1997) found no evidence of 13PK403 during a resurvey, and a test excavation at 13PK402 found only three flakes. Site 13PK916 to the south includes old bridge piers (Rogers and Meseke 2009).

- At least four separate archaeological field surveys have included the Sycamore Access area (Benn and Bettis 1981; Lueck et al. 1997; Roberts 1992; Rogers and Meseke 2009) none of the encountered prehistoric or early historic archaeological artifacts or deposits in the access area. Numerous sites are adjacent, all prehistoric sites have been archaeologically tested and

none demonstrated intact archaeological deposits. Because of the repeated archaeological survey and the lack of intact deposits at nearby sites no further archaeological work is recommended at the Sycamore Access

Prospect Park Access

The Prospect Park Access is located north of downtown Des Moines along the south bank of the Des Moines River. Because of its proximity to downtown Des Moines, 843 structures with historic inventories are within 1 mile of the access, 18 of which are listed on the NRHP.

Soils of the access area are mapped as orthents and urban land. The access area has not been archaeologically surveyed, but it was included in Benn and Bettis' (1981) overview of the Des Moines valley. The nearest recorded archaeological site is 13PK838, an historic clay quarry 180 m south of the access identified by Rogers (2005) during her survey of the Broadlawns Medical Center. Another recent survey (Whittaker 2015) identified very deep late historic Camp Creek soils in the floodplain near the access. Historic maps and aerial photos show the access' landform is slowly being eaten by the Des Moines River, which was nearly 150 m farther north in 1848, but the landform of the access appears to predate 1848. The current access point has been extensively modified, with paved roads, riprap banks, and concrete boat ramps, but nearby areas may be intact.

- Because the Prospect Park Access has not been previously surveyed, and there is historical evidence that the landform is intact, the areas around the access should be Phase I surveyed prior to any proposed construction that extends beyond the existing access.

Birdland Park Access

The Birdland Park Access is situated in Downtown Des Moines on the east bank of the Des Moines River, just below the Birdland Park Marina, on a point ca. 140 m south of Birdland Drive. Because this access is in downtown Des Moines there are 1,292 inventoried architectural properties within 1 mile of the access area. The nearest NRHP-listed property is the Gabriel-Rees House, 250 m southeast on Saylor Road.

The nearest archaeological surveys are Harvey and Kolb's (2004) survey of the west bank of the river, Whittaker's (2015) survey along Saylor Road, and small surveys in Union Park (Anderson 2001; Linderbaum and Blikre 2003).

Sites within 1 mile include 13PK952, the Thompson–Coffeen Family Burial Grounds, 350 m southeast on the blufftop, which has a poor location (Whittaker 2015), and 13PK351, a group of one or two mounds in Union Park 350 m north on the bluff, which are still extant (Whittaker 2015). Site 13PK923 is 500 m downstream on the blufftop, a limestone quarry mapped in the 1848 GLO, and 13PK930 is a house mapped on the GLO 1 km southwest of the access.

The soil of the access is mapped as Nodaway silt loam, channeled, a young Camp Creek soil less than 150 years. The 1848 GLO map depicts this area as beneath the Des Moines River channel, and the 1872 McVicker map show the Des Moines *east* of the modern access, as does the 1875 Andreas (1970) map. This old channel still exists as the Birdland Park lakes. The subsequent 1885 Warner and Foote map depicts the Des Moines River in its modern channel in this area

- Historic map evidence suggests the Des Moines River channel shifted across the project area twice between 1848 and 1885, and this shifting would have destroyed any potential early historic and prehistoric deposits. This channel shift is supported by the presence of the Birdland Park lake meanders and the Nodaway soils of the project area. Because of this lack of potential, no further archaeological work is recommended for the Birdland Park Access.

Booneville Access

Located 500 m southwest of the town of Booneville, the Booneville Access is on the west bank of the Raccoon River just south of the 360th Street Bridge. There are nine structures in and near Booneville with historic inventories, none of which are listed on the NRHP, the closest is 400 m away from the access. Lidar shows the access area situated in a deeply scarred area, probably caused by construction of the 360th Street Bridge.

The nearest recorded archaeological site is 13DA347, a late historic scatter 350 m southeast of the access, recorded by Meseke et al. (2001). The nearest archaeological survey to the access was McNerney's (2001) cursory fiber optic survey 200 m to the south. Lidar also shows meander scars in the surrounding floodplain. Judging from historical aerials, the landform was a wooded meander wetland until the 1970s, when it was converted to agricultural land. The 1848 GLO and the Andreas (1970) 1875 map reveals that the Raccoon once ran west of the access area and drifted east in the nineteenth century, reaching its current position by the 1930s.

- Because of historic and topographic evidence for the Raccoon River cutting across the Booneville Access landform in the nineteenth century, combined with disturbance associated with the nearby bridge, it is unlikely that intact prehistoric or early historic archaeological resources exist near the access area. No further archaeological work is recommended for the Booneville Access.

Walnut Woods State Park Access

The Walnut Woods State Park Access is located on the east bank of the Raccoon River north of Walnut Woods Drive in the southwest corner of Walnut Woods State Park. Numerous structures in Walnut Woods State Park have been architecturally inventoried, but none are listed on the NRHP. The nearest structure is the 1938 park entrance portal (77-02122). The nearest archaeological survey was 300 m to the west, on the other side of the river (Morrow 2008). There are no previously recorded archaeological sites within 1 km of the access.

Soils of the access area are Nodaway silt loam, channeled, a recent Camp Creek soil. Lidar hill shade images of the area reveal that the access is in the middle of point bar channel scars, and old meander lakes are still present to the southeast. Historical maps indicate the Raccoon has been cutting eastward since at least 1848, but this cutting appears to have stabilized since the 1930s.

- Although the Walnut Woods State Park Access is located in the general area of channeled river meanders, the area of the access needs to be archaeologically surveyed to determine if it was damaged by meander cutting. Prior to any construction work, a Phase I archaeological survey is recommended.

Des Moines Waterworks Park Access

The Des Moines Waterworks Park Access is located along the south bank of the Raccoon River in Des Moines southwest of downtown just off George Flagg Parkway. There are 143 inventoried historical properties within 1 mile of the access, the nearest structure listed on the NRHP is the Rollins House, 1.3 km to the southeast. There are no recorded archaeological sites within 1 km of the access. The nearest archaeological survey was just to the southeast, where a survey by Schnerre (1984) recorded no archaeological sites. Downriver, Straka (1998) also encountered no sites during a shoreline survey 650 m from the access.

Soils of the access are listed as Nodaway silt loam, a Camp Creek soil with little potential for deposits older than 150 years. Historical maps indicate the Raccoon River shifted position in the nineteenth century; in the 1848 GLO map and the 1872 Polk County map (McVicker 1872) the river ran east-west north of the access, by 1885 the river shifted about 250 m west of the access (Warner and Foote 1885) where it remained in 1914 (Kenyon 1914) before shifting to its current location by the time the 1930s orthophoto was made. Although the access appears to be situated on a small sliver of land for which

there is no historical evidence of the river channel, this area has been extensively modified. An access has been near this spot since at least the 1950s, it moved to its current position in the 1970s. Most of the area not impacted by the shifting river has been impacted by roads.

- Given the historic-period soils, the evidence of the river channeling nearby areas in the historic period, and the evidence of road disturbances nearby, there is little potential for intact prehistoric or early historical sites near the access. No further archaeological work is recommended for the Des Moines Waterworks Park Access.

Harriet Street Access

Situated on the north bank of the Des Moines River, the Harriet Street Access is 275 m east of the SE 14th Street Bridge southeast of downtown Des Moines. Nearby inventoried architecture include the SE 14th St. Bridge (77-03894) and a house at 1403 Harriet St. (77-06579). No properties within 1 km are listed on the NRHP. Nearby sites within 500 m include 13PK623–625, all historical occupations recorded by Peterson (1993), during a highway survey to the immediate west. In addition to Peterson, Lawrence and Hotopp (1978) surveyed the 14th St. corridor.

Soils of the access area are mapped as Nodaway silt loam, channeled, an historic Camp Creek member soil. Lidar images show the north bank in this area has numerous channel scars, including through the access area. Historical maps show this area as the north bank of the river between 1848 and 1872 (McVicker 1872). The river began cutting the north bank, including the access area, as seen in the Warner and Foote (1882) map. The access area was the location of the main Des Moines River channel between 1882 and 1899 (Tate 1899). By 1914, the river was *north* of the project area (Kenyon 1914). By the 1930s aerial, the river was rechanneled to the south, apparently intentionally to reclaim land to the north for development, when it achieved its current channel.

- Given the late nineteenth and early twentieth century river rechanneling of the Harriet Street Access area, no further archaeological work is recommended.

Pleasant Hill Boat Ramp Access

The Pleasant Hill Boat Ramp Access is located about 1.7 km south of Pleasant Hill on the north bank of the Des Moines River just east of U.S. Highway 65 and south of SE Vandalia Drive. The nearest inventoried architectural site was a house (77-05415) 800 m to the northeast; there are no NRHP-listed sites or structures within a mile of the access.

This area is included in Perry's (1990) survey of what is now Highway 65, and the access area was previously intensively surveyed by Sellars and Ambrosino (2004). Sellars and Ambrosino identified recent soils and an absence of archaeological deposits. The nearest recorded archaeological site is ca. 400 m to the southeast, 13PK60, a human remains find spot. Soils are mapped as Nodaway silt loam, a late-forming Camp Creek member soil.

- Given the recent intensive archaeological survey of the access by Sellars and Ambrosino (2004), the earlier survey by Perry (1990), and the documented late-forming soils, no further archaeological work is recommended for the Pleasant Hill Boat Ramp Access.

Yellow Banks Access and Yellow Banks Watercraft Campsite Access

Two access points are located 200 m apart, the Yellow Banks Access and the Yellow Banks Watercraft Campsite Access. The Yellowbanks Access has already been constructed, the Yellow Banks Watercraft Campsite Access has not yet been built. These accesses are located about 4 km north of Carlisle on the north bank of the Des Moines River in Yellowbanks Park below the SE 32nd Street bluff. One property within a mile has been inventoried, the Woodland Church (77-02068), built in 1870, 1.2 km due northeast of the access points. The existing Yellowbanks Access was surveyed in 1988 by Hanson (1988) who reported no sites.

A total of 16 previously recorded archaeological sites are within 1 mile of the accesses. Almost none of the recorded sites have temporally diagnostic artifacts or features, other than the presence of mounds, which can date to the Woodland or Late Prehistoric periods. Site 13PK8 is a prehistoric cave on the bluff 500 m downstream. It was recorded in 1961 but it has not been archaeologically investigated (Iowa Site File). Site 13PK13 is a group of five mounds on a bluff 1.6 km northwest of the accesses. Site 13PK14 is a scatter 1.4 km southwest of the accesses. Site 13PK33 was the Johnson Mound, an oval mound site 1 km downriver excavated in 1965 by Gradwohl (1973a:128–133) that was later destroyed by a rail line. On the bluff above is site 13PK33-A, a lithic scatter. Another mound, 13PK101, is on a bluff 75 m north of the accesses; it was noted by Gradwohl and Osborn (1977) and was still intact in 2013 as noted by Whittaker (2013), it is associated with a lithic scatter, site 13PK101-A. Site 13PK102 is a prehistoric scatter on the bluff 1 km upstream noted by Gradwohl and Osborne (1974). On the bluff 200 m northeast of the accesses is site 13PK103, also noted by Gradwohl and Osborne (1974), which appears to have minimal surface integrity (Kendall 2015). Site 13PK290, the Deerwatch site, was a scatter recorded by Gradwohl and Osborn (1977) on the bluff 1 km downstream from the accesses. An upland site 700 m northeast of the accesses, site 13PK291 was recorded based on a private collection that included a lanceolate point (Gradwohl and Osborn 1977). Kendall (2015) found no evidence of the site in a recent survey. Sites 13PK292, the Stonefield site, and 13PK293, the Loessfeld site, are 600–800 m downstream on the bluffs, both were prehistoric and historic scatters recorded by Gradwohl and Osborn (1977). The Travers d'Allen site (13PK294) was likewise an upland prehistoric and historic scatter 900 m northeast of the accesses recorded by Gradwohl and Osborn (1977). Two other scatters, sites 13PK303 and 13PK304, were reported by Osborne and Gradwohl (1978) on the edge of the bluffs zone 400 m northeast of the accesses, both had non-diagnostic points.

Soils of the accesses are mapped as Nodaway silt loam, channeled, and psammaquents, frequently flooded. Psammaquents are a type of sandy aquent soil deposited by high-energy stream. Both soils are very young Camp Creek soils, less than 150 years, which have no potential for intact prehistoric deposits. The 1875 Andreas (1970) map of Polk County shows the Des Moines flowing over the Yellow Banks Watercraft Campsite Access. The lidar map shows numerous scars on the floodplain around the access points, indicating they have been channeled comparatively recently.

- No further archaeological work is recommended at the Yellow Banks Access or the Yellow Banks Watercraft Campsite Access. The lack of resources found in Hanson's (1988) survey, the historically deposited Nodaway and psammaquent soils, the evidence of channeling in the 1875 Andreas map, and the evidence of channel scarring in lidar all indicate these accesses were reworked in the historic period and have no potential for intact early historic or prehistoric deposits.

Ford Access

The Ford Access is located 2.5 km southwest of Runnells on the south bank of the Des Moines River, at the end of 220th Avenue. There are no inventoried historical properties within 1 mile of the access. This area was part of the broad Lake Red Rock archaeological surveys (Benn and Rogers 1985; Gradwohl 1973a; McKusick and Reis 1962; Wheeler 1949). These surveys were generally opportunistic, and often did not employ subsurface testing. The nearest recorded archaeological site is 13WA103, a Woodland scatter 900 m southwest recorded by Gradwohl in 1966 (Gradwohl 1973a).

The 1848 GLO survey transected this access area, and shows the Des Moines ran through the access area at that time, and later shifted north to its current position. The river likely destroyed all possible prehistoric sites in the access area. The recent age of the landform is confirmed by the mapped soil description, alluvial land.

- Given the nineteenth century formation of the land the Ford Access occupies, it is highly unlikely to contain intact prehistoric or historic archaeological sites. No further archaeological work is recommended.

Runnells Access

The Runnells Access is located about 4.5 km northeast of Harford at the end of Carpenter Place on the south bank of the Des Moines River. There are no inventoried historical properties within 1 mile of the access. This area was part of the broad Lake Red Rock archaeological surveys (Benn and Rogers 1985; Gradwohl 1973; McKusick and Reis 1962; Wheeler 1949). These surveys were generally opportunistic, and often did not employ subsurface testing. The nearest recorded archaeological site is 13WA253, Hayward's Sugar Camp, a feature mapped on the 1847 GLO, 400 m to the west-southwest on the bluff (Iowa Site File).

Soils of the access are mapped as Kennebec, a Roberts Creek soil with the potential to contain intact prehistoric deposits. Judging from historical aerials, the access was apparently built in the 1970s, and expanded to a turn-around in the late 1990s.

- Given the apparent lack of survey, the Roberts Creek member soil, and the lack of historic disturbance, the Runnells Access should be archaeologically surveyed prior to any proposed new construction.

Bennington Bridge Access

Located on the north bank of the Des Moines River/Lake Red Rock, the Bennington Bridge Access is about 7 km east of Runnells south of the intersection of Beardsley Street and 40th Avenue. There are no inventoried historic properties within 1 mile of the access. This area was part of the broad Lake Red Rock archaeological surveys (Benn and Rogers 1985; Gradwohl 1973a; McKusick and Reis 1962; Roper 1986; Stanley 1988; Wheeler 1949). These surveys were generally opportunistic, and often did not employ subsurface testing. The nearest recorded archaeological site is 13MA354, recorded by Roper (1986) as a lithic scatter. When Stanley (1988:135–138) revisited the site and shovel tested, he could find no evidence of the site and recommended no further archaeological work.

The soil of the project area was mapped as Nodaway, a Camp Creek member soil which might be older than 150 years. The 1848 GLO map shows this access at the Des Moines River channel, as does the 1875 Andreas (1970). By the 1930s aerial, the Bennington Bridge was constructed, and in the 1950s and later aerials the riverbank shifts south. By the 1970s the bridge was removed. Aerials indicate the floodplain in this area infrequently floods to become part of Lake Red Rock.

In addition to surveys by Roper (1986) and Stanley (1988), Hanson (1986) surveyed the Bennington Bridge Access. He determined through 50-x-50 cm shovel tests and soil cores that there were at least 2 m of post-settlement alluvium (late Camp Creek soils) in the access area, and the surface had been significantly reworked.

- Historic maps indicate the Des Moines channel flowed over the Bennington Bridge Access area in the nineteenth century. This rechanneling is supported by intensive archaeological survey of the access (Hanson 1986), which documented the soils do not have potential to contain intact early historic or prehistoric deposits. For these reasons, no further archaeological work is recommended at the Bennington Bridge Access.

Box Cars Access

The Box Cars Access is situated on the east bank of the Des Moines River at the end of 68th Avenue about 10 km southwest of Monroe. This area was part of the broad Lake Red Rock archaeological surveys (Benn and Rogers 1985; Gradwohl 1973a; McKusick and Reis 1962; Roper 1986; Stanley 1988; Wheeler 1949). These surveys were generally opportunistic, and often did not employ subsurface testing. There are no inventoried historic properties within 1 mile of the access.

Gradwohl (1973a) surveyed this general area, but it is not clear if he surveyed this particular access area or what his survey methods would have been. Roper's (1986) survey of the area was nonsystematic sampling, largely pedestrian survey, and it is not clear if she surveyed the access area, either. Site 13MA340, an historic artifact scatter, was located 315 m upriver from the access along the riverbank (Roper 1986:108). Roper felt the scatter was related to a structure that was standing in the area in the 1940s. Site 13MA573, a cabin site shown in the 1848 GLO map, is ca. 200 m downstream on the riverbank.

Historic maps including the 1848 GLO and the 1875 Andreas (1970) maps, show the Des Moines River nearly 300 m farther away from the access than it currently is; the river reached its current position by the 1930s aerial. Soils of the access area are mapped as Nevin, a Gunder-member soil that can contain intact prehistoric deposits.

- Historic maps and modern soils indicate the Box Cars Access has not been disturbed by river channeling historically and may have been stable since Gunder soils were laid in the early to middle Holocene. There is no clear evidence that this access area has been previously surveyed for archaeological deposits. For these reasons, intensive Phase I survey is recommended around the access area prior to any construction.

C.J. Shreck Access

Located 2.5 km southeast of Cambridge on the west bank of the Skunk River the C.J. Shreck Access lies just north of State Highway 210. The 1928 Skunk River Bridge (85-00161) to the south of the access was architecturally inventoried, but is not listed on the NRHP. Huerter and Atwell (1985) previously archaeologically surveyed the bridge area, including the access, and identified no archaeological sites, although their method of survey – pedestrian walkover – in a broad river valley is generally considered inadequate by modern standards. Two sites, 13SR14, an Archaic scatter, and 13SR17, an historical scatter, are located more than 800 m to the west. Soils of the access area are mapped as Coland, a deep Roberts Creek/Gunder soil that has potential for buried prehistoric deposits. Based on historic maps and aerial photos, the Skunk River once ran west of the access area, and sometime between 1875 and 1930 the Skunk River shifted to the east. Lidar shows channel scarring between the old and modern channels, including the access area.

- Given the evidence for channel scarring in the access area due to a shift in the Skunk River in the late nineteenth or early twentieth century, the C.J. Shreck Access area is unlikely to have intact prehistoric or early historic archaeological deposits. No further archaeological work is recommended.

Chichaqua Canoe Access

Located on the east bank of the South Skunk River, the Chichaqua Canoe Access is just north of the NE 118 Avenue Bridge, at the location of the since-demolished old 118 Avenue bridge. Although the access is adjacent to the South Skunk, historically the river was almost 2 km to the east, having been rechanneled to its current location after 1875 (Andreas 1970). Soils are mapped as Spillville Loam, a Camp Creek member soil.

Adjacent inventoried historic structures include the demolished Skunk River Bridge (282630) and the recently demolished Hartung Farmstead (77-10231). The Hartung farmstead was recorded as archaeological site 13PK341, recorded by Stephenson and Newman (2001) during a survey that included the access area. Stephenson and Newman's (2001) survey included subsurface testing in the access area, and no prehistoric or early historic artifacts were identified. Site 13PK341 was recommended as ineligible for listing on the NRHP. An adjacent area to the south was surveyed by Hirst (1991) who identified no archaeological resources.

- Given that the access area was previously surveyed by Stephenson and Newman (2001) who found no resources other than a late historic farmstead (13PK341), no further archaeological work is recommended at the Chichaqua Canoe Access.

Oswalt Bridge Access

The Oswalt Bridge Access is situated along the east bank of the South Skunk River just downstream from the 128th Street/Forest Street S Bridge. The access is at the location of the Oswalt Bridge (50-00048), since demolished. There are no other inventoried historical properties within a mile. The nearest recorded archaeological site is 13JP167, a late historic scatter more than .5 km north (Linderbaum and Stanley 2001).

Soils of the access area are mapped as alluvial land, channeled. Historically, the South Skunk ran more than 300 m to the north of the current channel, it was rechanneled to its current location after 1875. The access area was previously surveyed by Linderbaum and Stanley (2001), who made soil cores in the access area. These cores revealed a young Camp Creek member soil with little potential to contain significant intact archaeological deposits.

- The Oswalt Bridge Access area was previously surveyed by Linderbaum and Stanley (2001) who documented soils unlikely to contain archaeological deposits; consistent with the mapped soil type. Given this previous survey and lack of potential, no further archaeological work is recommended for the Oswalt Bridge Access.

Possible Beaver Creek #1 Accesses

The Possible Beaver Creek #1 Access is situated along the west bank of Beaver Creek immediately north of the intersection of NW 86th Street and NW 62th Avenue. The access is located at the head of the Beaver Creek segment of the Des Moines Water Trail. There is one inventoried historical property, the John Bauman Farmstead (77-02218), within 1.6 km and it includes three standing structures. The nearest recorded archaeological site are 13PK518 and 13PK519, both late historic scatters located roughly .8 km to the south (Finney and Snow 1991).

Soils of the access area are mapped as Spillville-Coland Complex and Biscay Series. Both of these represent Camp Creek/Roberts Creek members that have potential for buried prehistoric deposits however, there has been considerable meandering within the Beaver Creek drainage. The access area was previously surveyed by Finney and Snow (1991), and by Peterson (1994) who made soil cores in the access vicinity. These cores revealed young Camp Creek member deposits mantling glacial outwash sediments showing limited potential to contain significant intact archaeological deposits.

- The Possible Beaver Creek #1 Access area was previously surveyed documenting soils with limited potential to contain archaeological deposits. Given this previous survey and limited potential, no further archaeological work is recommended for the Beaver Creek #1 Access.

Possible Beaver Creek #2, and #3 Accesses

The Possible Beaver Creek #2 and #3 accesses are immediately adjacent to each other near the confluence of Beaver Creek and the Des Moines River. These two accesses are situated along the north bank of Beaver Creek on either side of Beaver Avenue just north of I-80. There are two inventoried historical properties within 1.6 km including the Dr. John Moore house (77-05404) and another house (77-08099). There are four previously recorded archaeological sites within 1.6 km of these possible accesses including 13PK407, 13PK409, 13PK427, and 13PK437. Site 13PJ407 is the NRHP-eligible Christianson site, a Late Prehistoric Oneota affiliated site investigated by multiple authors including Phase II and III testing (Benn 1984, 1985, 1986a-b, 1991; Benn and Bettis 1981; Benn et al. 2003; Benn and Harris 1983; Blikre and Benn 2001; Fishel 1994). Site boundaries were established by Peterson

(2005) and avoidance was recommended for all future potential impacts. Site 13PK407 is nearly 1 mile to the northeast of these two possible future accesses and would pose no impact if they are constructed. Site 13PK409, investigated by Benn (1986), represents a prehistoric lithic scatter of unknown cultural affiliation located roughly 1.6 km northeast of the possible Beaver Creek #2 and #3 accesses. Site 13PK427 represents a late historic artifact scatter while 13PK437 represents the remains of a late historic foundation at roughly .75 and 1.1 miles, respectively, northeast of the possible Beaver Creek #2 and #3 accesses (Benn 1986). Sites 13PK409, 13PK427, and 13PK437 are all determined to be not eligible for the NHRP.

Soils of the access area are mapped as Spillville-Coland Complex channeled and Urban Land. Spillville-Coland Complex channeled soils represent relatively recent Camp Creek Member deposits. These two possible accesses were mostly covered during previous surveys by Weitzel (1993) and Peterson (1995). Subsurface test by Weitzel were located through the northern half of the possible accesses location and indicated young Camp Creek member deposits with little potential to contain significant intact archaeological deposits. The Peterson survey ran north-south along both sides of Beaver Avenue and no subsurface testing was conducted.

- The Possible Beaver Creek #2 and #3 Access area have only been partially surveyed during previous work by Weitzel (1993) and Peterson (1995). Weitzel documented soils unlikely to contain archaeological deposits while Peterson conducted no subsurface testing within either accesses. Although the soils identified for these two areas represent Camp Creek Member deposits there is still potential for encountering archaeological materials. For these reasons, intensive Phase I survey is recommended around the access area prior to any construction.

Possible Van Meter Access

The Possible Van Meter Access is situated along the west bank of the Raccoon River just downstream from the confluence of the North and South branches. The possible access sits on the flood plain just north of the town of Van Meter. There are 20 archaeological sites identified within 1.6 km of the possible access location including 16 prehistoric sites and four historic sites. The prehistoric sites include 13DA12–13DA18, 13DA23, 13DA98, 13DA86, 13DA188–13DA193, and 13DA208. The historic sites include 13DA97, 13DA207, 13DA286, and 13DA287. The closest two sites are 13DA286 and 13DA287 existing roughly 150 and 100 m distant, respectively, from the possible Van Meter access. Site 13DA286 is the former location of the Platt Pressed and Fire Brick Company and the Van Meter Coal Mine. The brick and tile factory was built in 1893, adjacent to the coal mine shaft with the two working together to produce both coal and clay. The factory was still operating in 1939 and closed sometime after that (Finney, Peterson, Mandel, and Davidson 1994). One of the 36 identified historic structures within 1.6 km of the possible Van Meter access is the Platt Brick and Fire Proofing Building (25-00008) located within the site boundaries. There are also numerous other structures within the site that have not been adequately documented. This site has been determined eligible to the NRHP based on criteria D with recommendations for further research on the site and the additional structures before further collapse of these structures. Site 13DA287 represents the remains of a mill built by Jacob Van Meter in the late 1880s. The mill was in operation until 1927 when it was dismantled and the machinery shipped to South Dakota (Finney, Peterson, Mandel, and Davidson 1994). Further archaeological investigations and archival research were recommended for determination of NRHP eligibility.

There are a total of 38 inventoried historical properties within a mile of the possible Van Meter Access. The nearest recorded structure was noted above as the Platt Brick and Fire Proofing Building (25-00008) existing on the uplands above and roughly 260 m south of the possible access (Finney, Peterson, Mandel, and Davidson 1994). Thirty four of the identified historic structures represent buildings existing within the town of Van Meter. The remaining four represent the Van Meter Cemetery

(25-01702), the Iowa Veterans Cemetery (25-01669), the bridge over the South Raccoon River (25-01315) and the bridge over the Raccoon River (25-01540).

Most of the possible access area is on Nodaway series soils while the western portion is on Niven series soils. Nodaway series soils represent historic Camp Creek member deposits while Nevin series represent Gunder-member deposits that can contain intact prehistoric deposits. The previous research conducted by Finney et al. (1994) appears to have surveyed the area of the possible Van Meter access. However, there is no indication that subsurface testing was conducted in the area. Finney et al.'s (1994) project is also not included in the areas surveyed as it may not have been intensive enough to qualify or it may have been inadvertently missed during the SHPO project to map all survey areas in the state. The next closest previous survey was for the Van Meter Senior Citizens Center conducted by McNair (1989) and was located on the uplands above and roughly 250 m south of the possible access.

- The Possible Van Meter Access area appears to have been previously surveyed by Finney, Peterson, Mandel, and Davidson (1994) however, it appears that there was no subsurface testing within the area of access. This work did record a number of archaeological sites and historical structures that are either eligible or potentially eligible for nomination to the NRHP. Although the Nodaway series soils do not hold much potential for containing archaeological deposits, the Nevin series soils do contain that potential. For these reasons, intensive Phase I survey is recommended around the access area prior to any construction.

Possible Water Works Access

The Possible Water Works Access is situated along the south bank of the Raccoon River in Denman Woods south of the city of Des Moines. There are no recorded archaeological sites within 1.6 km of this location. There are 122 inventoried historical properties within a mile with 121 of these existing along the uplands to the north of the possible access. All of these structures are more than .8 km from the possible access.

Soils of the access area are mapped as Nodaway series soils which represent historic Camp Creek member deposits. The lidar image suggests that the majority of this possible access exists on a low terrace of the Raccoon River. The closest previously conducted survey is immediately across the Raccoon River to the north and was conducted by Weichman et al. (1974), however no subsurface testing was conducted during this survey.

- The Possible Water Works Access area has not been previously surveyed. Although the soils identified in the access vicinity represent Camp Creek deposits, there is still low potential for encountering archaeological materials, particularly historic deposits. The lidar images suggests that the majority of this possible access exists on a low terrace of the Raccoon River. For these reasons, intensive Phase I survey is recommended around the access area prior to any construction.

Possible Gray's Lake Access

The Possible Gray's Lake Access is situated in a timber covered area between the east end of Gray's Lake, the south bank of the Raccoon River, and just north of the current Chicago & North Western rail lines. There is a total of eight previously recorded archaeological sites within 1.6 km of this possible access. There are four historic sites including 13PK643, 13PK644, 13PK926, and 13PK983. There are three prehistoric sites including 13PK349, 13PK839, and 13PK885. The single multicomponent site is 13PK61. The closest of these are located at roughly 1 km to the east and include 13PK643 and 13PK644, both of which represent the remains of historic structures dating to the twentieth century (Peterson 1994). There are roughly 108 inventoried historical properties within 1.6 km. The possible access is located adjacent to one of these structures identified as the Chicago, Burlington, and Quincy Railroad Bridge No. 89 (77-10223).

Soils of the access area are mapped as Nodaway series soils which represent historic Camp Creek member deposits. The lidar image suggests that the majority of this possible access exists on flood plain disturbed by previous construction of the railroad grade to the south and the Gray's Lake outflow channel to the north. The closest previous survey to this possible access was conducted by Brice, Petrides, & Associates (1984). The survey did not conduct subsurface tests on similar topography to that of the possible Gray's Lake Access.

- The Possible Gray's Lake Access area has not been previously surveyed. Although the soils identified in the access vicinity represent Camp Creek deposits, there is still a potential for encountering archaeological materials, particularly historic deposits. The lidar image suggests previous disturbance to the area of this proposed access. Considering the absence of previous survey work and the fact that there is some potential for at least historic deposits being encountered at this location, intensive Phase I survey is recommended around the access area prior to any construction.

Possible Mullets and Scott Street Access

The proposed Mullet and Scott Street accesses are adjacent to each other and are situated along the south bank of the confluence of the Raccoon and Des Moines Rivers in downtown Des Moines. There is a total of 29 previously recorded archaeological sites within 1.6 km of this possible access. There are 20 historic sites including 13PK372–13PK373, 13PK622–13PK625, 13PK643–13PK644, 13PK674, 13PK680–13PK682, 13PK878–13PK880, 13PK917, 13PK944, 13PK958, 13PK983, and 13PK990. There are six prehistoric sites including 13PK349–13PK350, 13PK669, 13PK839, 13PK885, and 13PK972. The three multicomponent sites include 13PK61, 13PK840, and 13PK881. The closest of these archaeological sites is 13PK944, which is adjacent to the eastern edge of the proposed Scott Street Access. It is also identified as the historical property known as the Chicago, Great Western Railroad Bridge (77-11141). The next closest archaeological sites are 13PK861 and 13PK990, both of which are located across the rivers and to the north of the possible accesses. Additionally, there are roughly 440 inventoried historical properties within 1.6 km. Two of these are located adjacent to the proposed Mullets and Scott Street accesses and include the Scott Street Bridge (77-07483) and the Riverside Drive Bridge (77-07401).

Soils of the access area are mapped as Nodaway series soils which represent historic Camp Creek member deposits. The proposed Mullets access is located primarily on an existing levee of the Raccoon River. The proposed Scott Street Access is located between Scott Street and historic archaeological 13PK944, a railroad grade and abandoned iron frame bridge across the Des Moines originally part of the Chicago, St. Paul & Kansas City Railroad (Morrow 2009). The proposed Mullets Access vicinity has been included in several previous surveys (Hannus, Ruple, and Winham 1988, Winham and Mandel 1991, Winham and Hannus 1991, Finn 2008). The survey reports indicated that no subsurface testing was conducted but did recommend that archaeological monitoring be conducted during any construction activities. The proposed Scott Street vicinity has also been included in one previous survey conducted by Johnson (1985). It does not appear that any subsurface testing was conducted in the vicinity of the proposed Scott Street access during this survey.

- The proposed Mullets and Scott Street access areas were both included in previous surveys however, there is no indication of subsurface testing within either access areas. Archaeological monitoring during construction activities in these vicinities was recommended. Although the soils identified in the access vicinities represent Camp Creek deposits, there is still a low potential for encountering archaeological materials, particularly historic deposits. There is also a considerable amount of historic activity in this vicinity suggesting that as yet unidentified historic resources may exist. Considering the above information, there is some potential for at least historic deposits being encountered at this

location and therefore intensive Phase I survey is recommended around the access areas prior to any construction.

SENSITIVITY FOR CULTURAL RESOURCES

There are 28 known prehistoric burial or mound sites and one isolated historic burial in the study area. Six of the recorded burial sites are within 200 m of the river, with those nearest the river being 13PK60, 93-m distant and 13DA7 and 13MA37, at 114.4 m and 111.9 m from the river, respectively. As a precautionary planning measure, archaeological sites of any age that have not been assessed for NRHP eligibility can be considered potentially eligible and should remain undisturbed. If unevaluated sites are within a proposed construction area, Phase I investigation or, if warranted, Phase II evaluation should occur to assess eligibility. Iowa burial law [Code of Iowa, Sections 263B and 716.5; IAC 685, Ch.11.1] requires that all work in the vicinity of the finding be halted, the remains protected, local law enforcement officials notified, and the Bioarchaeology Director at the OSA contacted immediately (319-384-0740).

Iowa's Landscape Model for Archaeological Site Suitability (LANDMASS)

LANDMASS is a statewide model that indicates the suitability for prehistoric occupation of an area, using a “logistic regression analysis of the terrain variables that characterize known locations of systematically surveyed prehistoric sites” (Riley, Goings and Artz 2011:1).

The LANDMASS suitability dataset is to only be used as a guide for where areas are favorable or not favorable for a prehistoric site to occur. It does not replace archaeological survey, but aids in anticipating survey needs for the Project Corridor and helps in the project planning process of where to avoid construction and where development is least likely to impact a prehistoric site. Low suitability areas would be the least suitable areas for prehistoric occupation according to the predictive environmental variables and the site density should be sparse. The designation of ‘low’ is not equivalent to ‘no chance’ of site occurrence (Riley, Goings and Artz 2011:12).

The upland portions of the Des Moines Water Trail area have been mapped in four areas of potential returns including that of low, moderately low, moderately high, and high potential for containing prehistoric archaeological sites (Figure 8). Although Figure 8 show areas of high potential, urban development throughout much of the Des Moines metropolitan area has likely destroyed the integrity of many sites. High and moderately high probability areas predominate along the Des Moines River and Beaver Creek segments north of the metropolitan area, along discontinuous sections of the Raccoon River segment, along the southern valley walls of both the North and Middle river segments, and along the eastern valley wall and portions of the south valley wall of the Des Moines River segment south of the metropolitan area. High and moderately high probability areas are also found along the western valley wall of the South Skunk River segment and along the eastern valley wall of the South Skunk near the segments southern terminus. Moderately low and low probability areas predominate along portions of the Raccoon River segment and along both valley walls of the South Skunk River segment.

The applicability of the LANDMASS model to the present project is limited, because this model was “developed only for upland areas to the exclusion of valley bottom, under the assumption that insufficient deep testing has been done in the valley bottoms for reliable, statewide locational modeling” (Riley, Goings and Artz 2011:16; see also Artz et al. 2006). The white areas in Figure 8 are valley bottoms with no suitability ranking, which indicates that most of the project area is composed of undifferentiated DeForest Formation landform assemblages that have not been assigned as yet to specific geomorphic members. Therefore, the white areas hold unknown potential for containing archaeological sites. In these areas there are several factors inhibiting the predictive modeling of site suitability. The overarching issue is that of complexity. These areas are dominated by thick alluvial

sequences that are not characterized by their surface soils. Their deposition histories are also complex and not clearly defined by soils characteristics. Additional pre-field analysis using aerial photographs and lidar aid in defining the subtleties of these areas but cannot specifically determine their geomorphic member associations. Ultimately, subsurface testing is recommended in all white areas of the LANDMASS map to ascertain archaeological potential within valley bottoms, which includes complicated landform sediment assemblages that cannot be easily addressed in a statewide model.

INFORMATION TO ASSIST IN DEVELOPING INTERPRETIVE MATERIALS

The Des Moines and South Skunk corridors include some of the most significant archeological resources in Iowa, from evidence of the oldest houses to the historic military relocation of Sauk and Meskwaki, to the industrial transformation of Des Moines. Information on these properties could be presented in brochures, on interpretive signage, websites, podcasts, or through other media or outlets. Topics that may serve to engage the public are arranged below by age of deposit:

1. Ancient Archaic Houses

The Palace Site (13PK966) at the Des Moines Wastewater treatment plant was excavated 2010–2011, and contained evidence of some of the oldest houses west of the Mississippi valley, about 7,000 years old. During this period Native Americans in the Mississippi valley and to the east began living in larger structures situated in broad river valleys. The Palace Site occupants more-closely resembled their eastern contemporaries, not only in house construction, but also in a diversified floodplain diet rich in deer and local plants, large stone tools, and ocher-stained human burials. In contrast, contemporaneous sites in the nearby region of Iowa appear to be exclusively bison hunting and processing sites, with no evidence of structures, a limited diet including little use of deer, and no large stone tools. Why were the occupants of the Palace Site so unlike their neighbors?

2. Late Prehistoric Tensions

In Iowa during the Late Prehistoric period, roughly 400 to 1100 years ago, Iowa appears to be a divided land. The introduction of intensive maize farming led to higher populations, larger nucleated settlements, fortifications like ditches and walls, and substantial houses. In western Iowa, the Woodland-era residents adapted to the intensive maize farming earlier, and we see Great Oasis sites with distinctive pottery and houses. Great Oasis sites appear to have developed into the distinctive Central Plains and Middle Missouri traditions, with large, semi-subterranean houses. In eastern Iowa, adaptation of intensive maize farming occurred later, and is referred to as Oneota. Oneota sites had different ceramics and settlement patterns, with above-ground houses often encircled by earthworks.

The Des Moines River valley appears to be a tension zone between west and east. Several identified early Great Oasis sites suggest an early affinity to western Iowa, but these were eventually replaced by eastern Oneota sites, not western Central Plains or Middle Missouri sites. There is some controversy if Oneota was contemporaneous with Great Oasis, some excavated sites in Saylorville Lake perhaps show signs of both.

Several sites in the Saylorville and City of Des Moines stretches of the river have Great Oasis and/or Oneota occupations.

3. Raccoon Point- The Cradle of Des Moines

Where the Raccoon River entered the Des Moines River appears to have been an important location prehistorically as well as historically. Excavations in downtown Des

Moines near the point, located in the area around the western foot of the Martin Luther King Jr. Boulevard bridge, exposed Archaic camps more than 3,000 years old, Woodland sites between 3,000 and 1,000 years old, and Late Prehistoric sites between 1,000 and 350 years old. The broad, high terraces that make up western downtown Des Moines were an ideal location, overlooking the confluence of two important rivers, and this plateau was marked with prehistoric Indian burial mounds demolished in the 1880s. Woodland and Late Prehistoric sites were located along the river just north of Grand, near Vine, and north of the Raccoon along Martin Luther King Jr. Boulevard. Also along Martin Luther King Jr. Boulevard was an Archaic campsite.

The importance of this location was also recognized by American settlers, who founded Fort Des Moines at the point, which became the birthplace of the modern city of Des Moines.

4. Fort Des Moines and Sauk and Meskwaki Relocation Camps

In 1843, the U.S. government relocated all the Sauk and Meskwaki from Eastern Iowa to the Des Moines and South Skunk Rivers. Soldiers built Fort Des Moines No. 2 at Raccoon Point, overlooking the confluence of the two rivers. The fort was extensively excavated between 1980 and 2007, revealing many features associated with the soldiers and officers.

Although both Sauk and Meskwaki were supposed to live along the Des Moines southeast of the fort, the Meskwaki did not get along with the Sauk and chose to live along the South Skunk river. Small Indian villages and trading posts emerged along the riverbanks. One of which, Wishecomaque's village, was excavated in the early twentieth century at the current location of the Des Moines Wastewater Treatment Plant. The Meskwaki sites along the South Skunk have not been found, they were somewhere near Colfax in Jasper County.

5. Industrial Iowa

The Des Moines River valley was the heart of Industrial Iowa, with numerous mills, mines, quarries, railroad, factories, and warehouses that show the rise of industry with the first mills and coal mines in the 1840s through the apex of the manufacturing and railroad era of the mid-twentieth century. Dozens of these sites line the river, everything from railroad bridges to industrial kilns.

6. Saylorville Lake Red Rock Surveys and Excavations

Some of the largest archaeological surveys in the history of the U.S. occurred along the Des Moines River prior to the creation of Saylorville and Lake Red Rock. The earliest surveys began in the 1940s, and continued until the 1980s, providing archaeologists with the first large-scale systematic sample of archaeological sites in Iowa, recording hundreds of sites, from the Paleoindian through the late historic periods. These surveys and excavations show how archaeologists began to change their approach towards the past, focusing less on monumental sites and more on everyday subsistence, trade, and ideology. Most of the sites excavated would not necessarily be interesting to the typical member of the public by themselves, but aggregated, they reveal the long-term changes that occurred in Iowa's past.

ARCHAEOLOGICAL RESEARCH NEEDS

There are four avenues of potential archaeological exploration along the Des Moines Water Trails. All three research efforts would yield significant information about Iowa's prehistory and history: a systematic pedestrian survey of all areas but especially in the South Skunk segment, identifying early GLO sites and the Settlement of South Dallas County, identifying early industrial sites, and possible sites on the OSA Culture Map.

Systematic Pedestrian Survey

Roughly 50 percent (20,699.7 ha) of the study area has been subjected to archaeological survey. The Des Moines River segment has a coverage of 49 percent while the South Skunk segment has just over 1 percent coverage. Clearly, there are more archaeological sites to be discovered within the Des Moines segment but the South Skunk segment has barely been touched. Pedestrian survey can occur at a fraction of the cost of investigations that involve systematic subsurface testing. Although pedestrian walkover survey typically cannot identify deeply buried archaeological sites (unless exposed in cut banks or erosion gullies), a systematic effort to identify surface sites would result in important new information about prehistoric habitation along this watershed.

Such a pedestrian survey effort would involve public outreach, calling for artifact collectors to share information, generating volunteer participation in the survey itself, and eliciting landowner support for allowing walkovers of their cultivated fields. Surveys would concentrate on river terraces and valley margins, where sites are most likely to occur and be exposed.

Identifying Early GLO Sites and the Settlement of South Dallas County

Although the majority of early settlement noted on the General Land Office maps are focused on the Des Moines metro area, there are other possible areas for investigation. Several early farm fields are noted in the vicinity of Van Meter near the head of the Raccoon River segment in Dallas County. These fields contain the names of their owners making archival research about these settlers possible. This in turn may lead to additional archaeological site identification and the addition of more detailed information on this early settlement period. Van Meter was the location of early industrial development beginning circa 1850 with the construction of a brick and tile yard and coal mine (13DA286), a mill site (13DA287), and other listed historic structures. Van Meter was also one of the towns where members of the Religious Society of Friends, or the Quakers, settled on their westward movement from Ohio to Nebraska (Finney, Peterson, Mandel, and Davidson 1994). Additional field work and archival research along the Raccoon River in southern Dallas County could elaborate on what is already know and lead to the identification of additional archaeological and historical resources.

Early Settlement of Des Moines

Although the history of Fort Des Moines No. 2 (1843–1846) is well documented (Schoen et al 2009; Whittaker and Peterson 2009), less is known about the pre-fort historic Indian occupations and earliest settlement after the Sauk and Meskwaki villages, fort, and trading posts were abandoned by Indians, the Army, and traders (Gourley 1990; Whittaker 2008). Dragoons may have camped near the modern Capitol area in 1835–1836. There may have been trading post, called “the Dirt Lodge” at the mouth of Raccoon, ca. 1824–1831 trading with nearby Sauk, Meskwaki, or Dakota Indians (Whittaker 2015). Other mentions of historic Indians include an area near Madrid where Johnny Green and his band of Meskwaki and Potawatomi were encamped on the farm of O.D. Smalley near Elk Rapids during the winter of 1846, and may have had a sugar bush nearby (Union Historical 1880a:289, 304). In the same general region, historic Indian graves were noted, and the Dakota may have visited a trading post nearby ca. 1799–1803 (Whittaker 2015). Intensive archaeological survey may help to identify the location of these sites.

Locations Identified on the OSA Culture Map

The OSA maintains a map of vaguely located archaeological and historical sites (Whittaker 2015). This shapefile contains almost 900 locations of historical, archaeological, or geographical significance, generally with poor location information. These include Indian mound sites and other archaeological sites; historical Indian villages, camps, burials, resources, and battlefields; historical non-native settlements and events; and general geographical locations of significance. Much of the data was collected by scanning late nineteenth and early twentieth century county histories, incidental possible mounds seen on lidar, passing references to archaeological and historical sites found in historical and archaeological texts, and communication with the public and other archaeologists. It includes information from nearby regions of adjoining states as well as Iowa. These locations are supplemental to the Iowa Site File, which contains the “official” locations of archaeological sites in Iowa. A small number of these locations were promoted to the site file if they had specific location information or were confirmed in the field; these are noted in the attribute tables.

Within the study area there are 34 locations plotted in the culture map. These include 10 modern homeless camps; 12 early historic Indian, settler, or military sites, some of which are discussed above; 11 possible mound sites, eight seen on lidar, three from historical accounts; and three historic Indian or historic settler burial locations. These burial locations include Berkeley’s grave, now 13PK988, based on an historic newspaper account; a Meskwaki woman buried outside the fence of the Santiago/Franklin cemetery; the Stover Farm historic Indian cemetery, where a newspaper account mentions looting of graves with historic trade goods.

Summary and Recommendations

The OSA’s Phase IA archaeological reconnaissance survey along the Des Moines Water Trails through Boone, Dallas, Jasper, Marion, Polk, Story, and Warren counties, Iowa, revealed information about prior archaeological surveys, previously recorded archaeological and architectural sites and properties, NRHP eligibility of properties, and potentially significant historical resources that have not been archaeologically identified. GIS shapefiles pertaining to cultural resources were generated and provided to the DNR. Recommendations for future work along the water trail corridor were presented.

The existing and potential access points along the river express varying levels of archaeological potential. Where improvements are confined to already disturbed areas, previously surveyed areas, or areas with extremely low potential to contain significant materials (e.g., former sandbars), no additional archaeological investigation would be recommended prior to proposed construction activities. However, if an area is undisturbed, unsurveyed, and located on higher potential landforms (typically, terraces), a Phase I investigation would be required.

No technique is completely adequate to locate all archaeological materials, especially deeply buried ones. In the future, should any cultural, historical, or paleontological resources be exposed as part of Des Moines Water Trail project activities, the responsible agency must be notified immediately in accordance with the Protection of Historic Properties regulations of the Advisory Council on Historic Preservation [36 CFR Part 800.13(b)]. If human remains are accidentally discovered, Iowa burial law [Code of Iowa, Sections 263B and 716.5; IAC 685, Ch.11.1] requires that all work in the vicinity of the finding be halted, the remains protected, local law enforcement officials notified, and the Bioarchaeology Director at the OSA contacted immediately (319-384-0740). Archaeologists with the General Contracts Program at the OSA (319-384-0724) and the State Historical Society of Iowa (515-281-4358 or -8744) are also available to consult on issues of accidental discovery.

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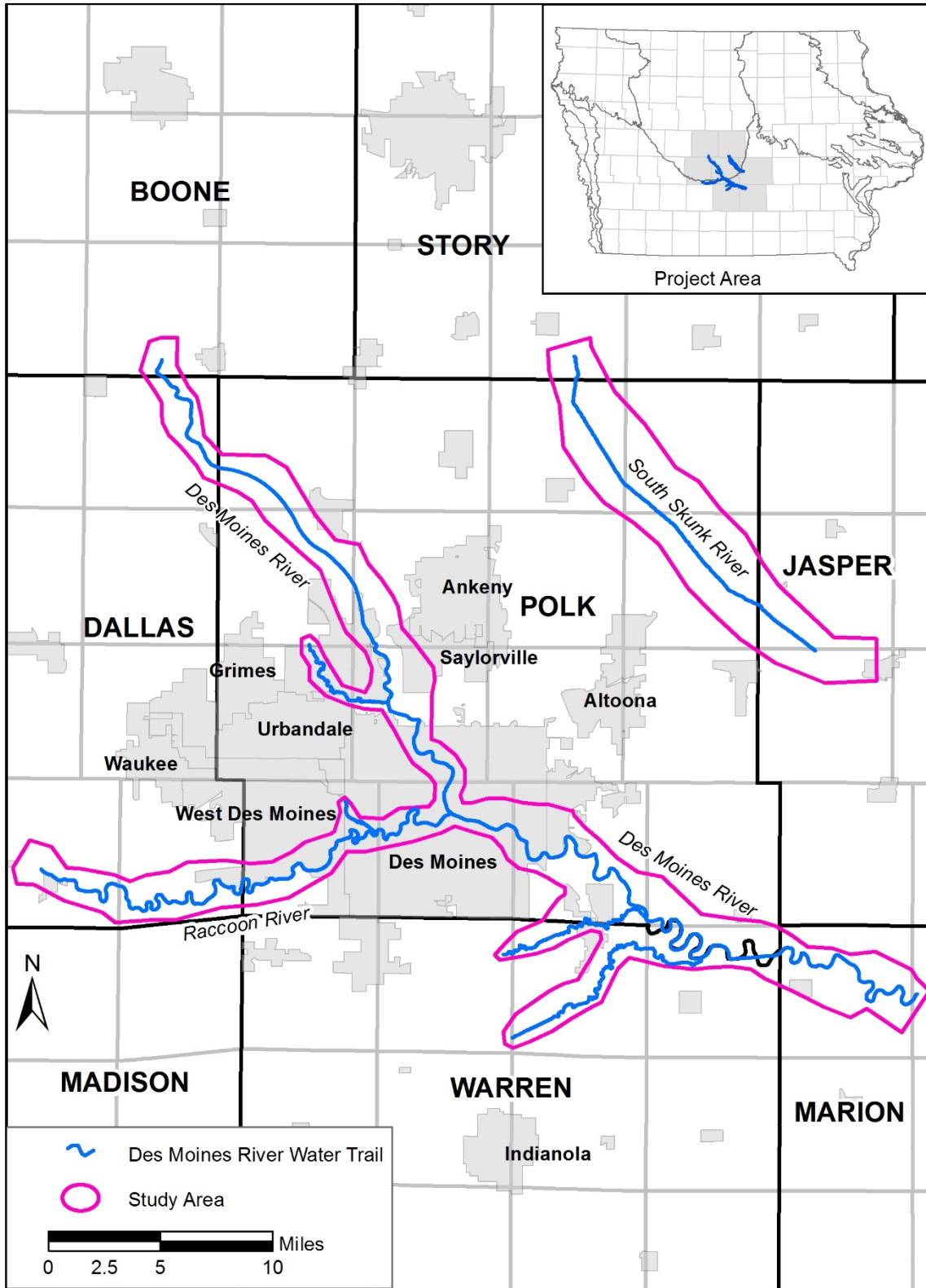


Figure 1. Study area in relation to counties and cities. Includes Des Moines Water Trail area. From ISUGISSRF (2015).

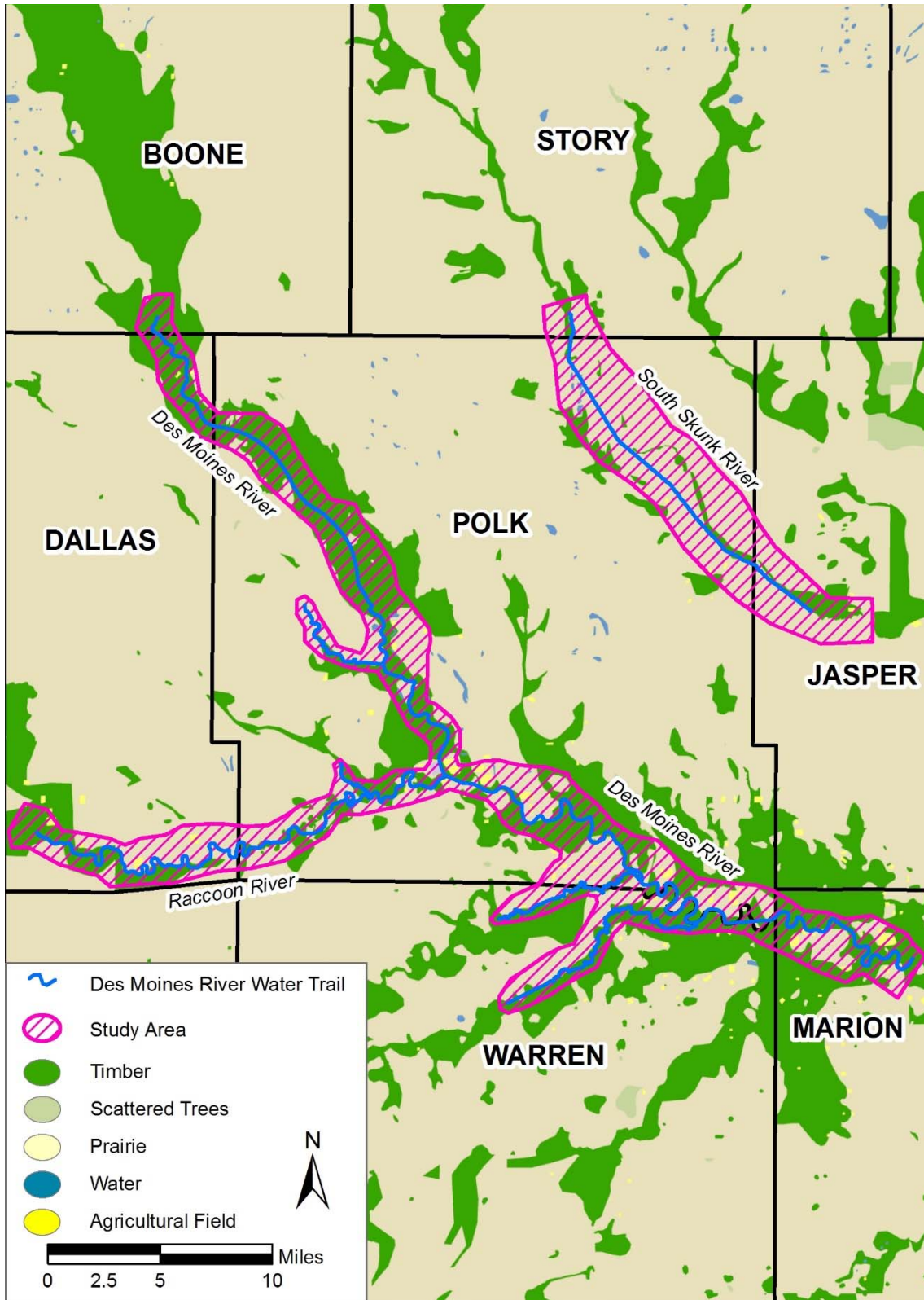


Figure 2. Map showing study area in relation to vegetation mapped by original land surveyors between 1847 and 1848. From ISUGISSRF (2015).

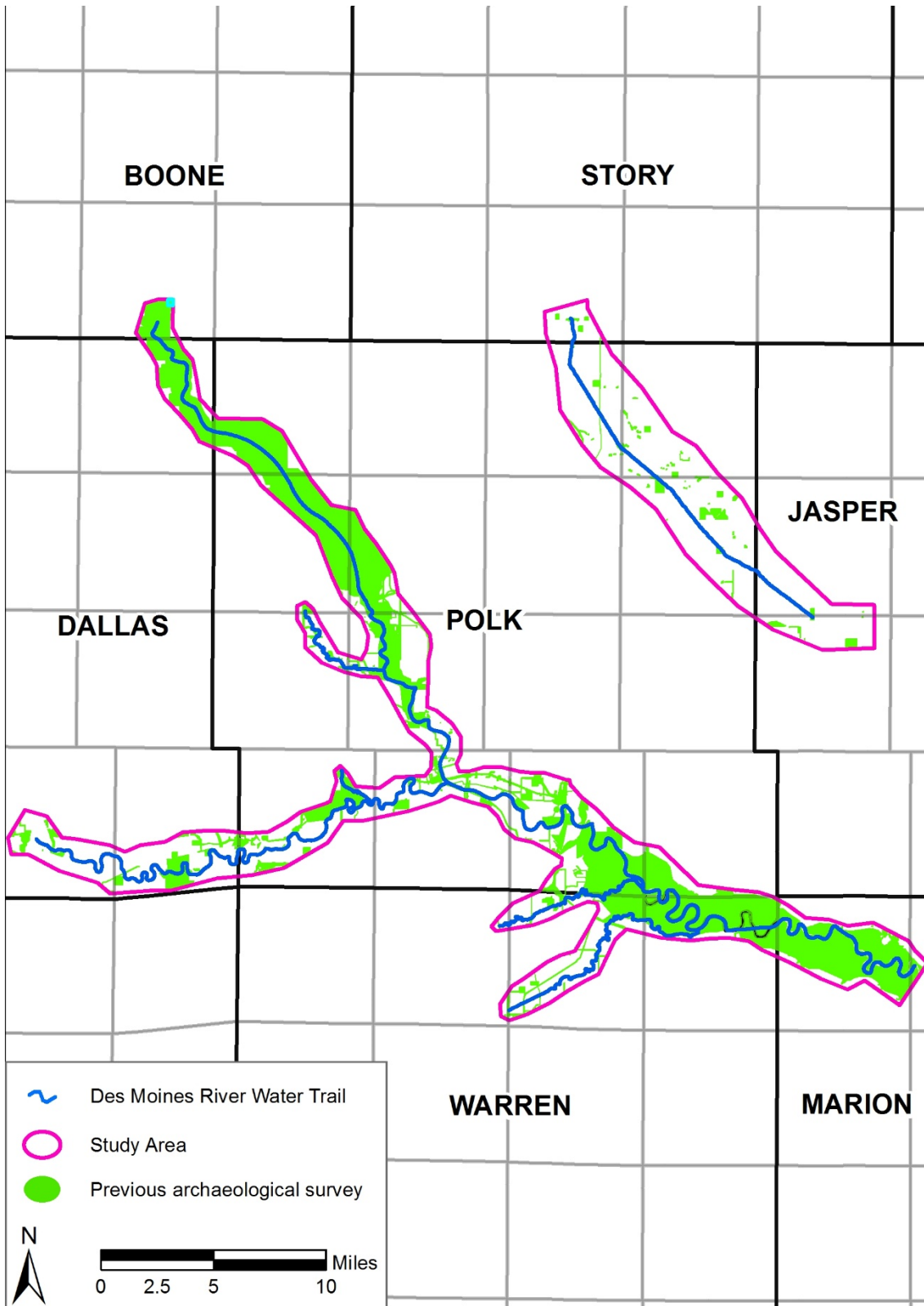


Figure 3. Map of prior archaeological surveys in the study area. Survey area boundaries artificially widened for clarity. From ISUGISSRF (2015) and Iowa Site File.

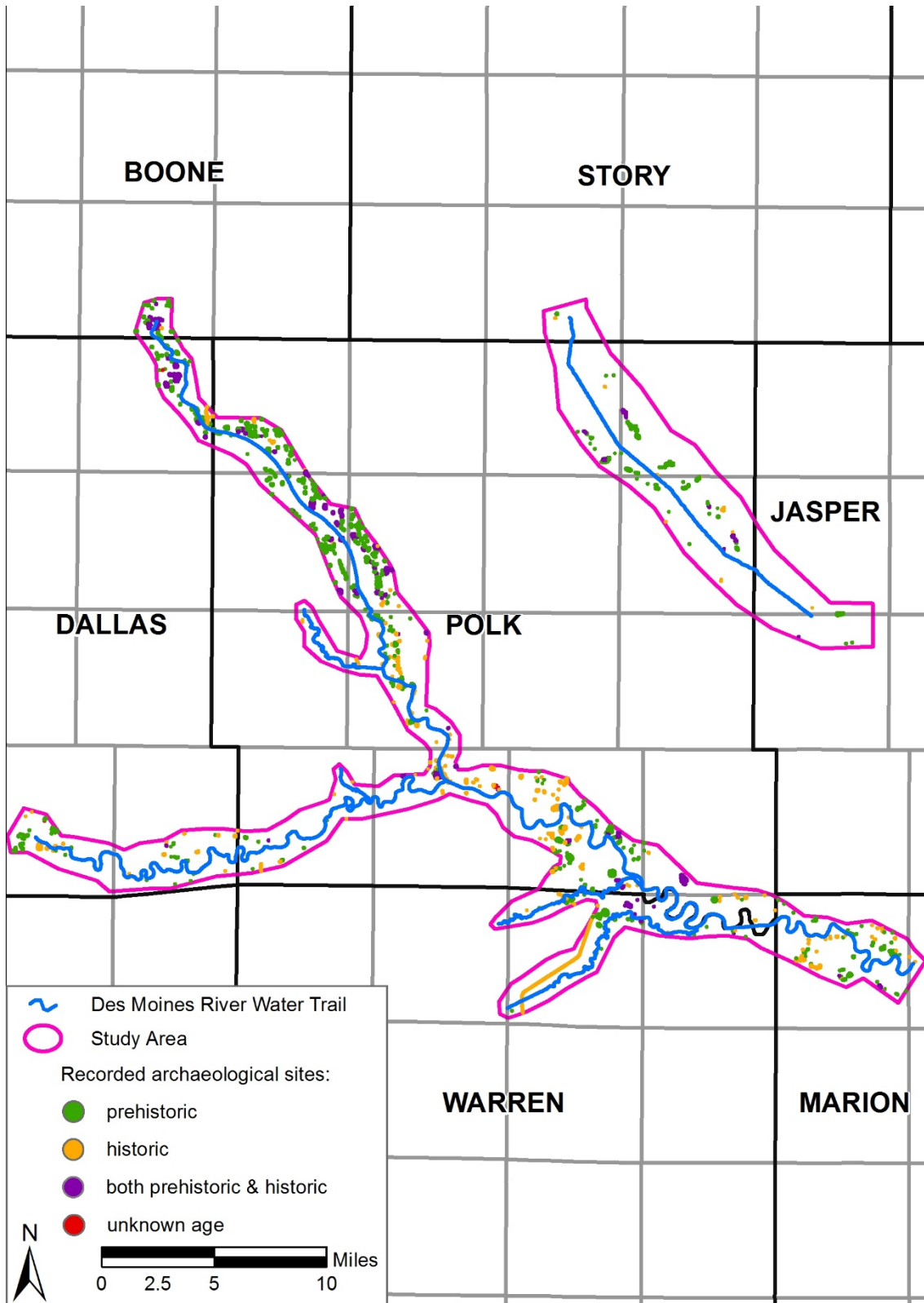


Figure 4. Map of previously recorded archaeological sites in the study area. Site boundaries artificially widened for clarity. From ISUGISSRF (2015) and Iowa Site File.

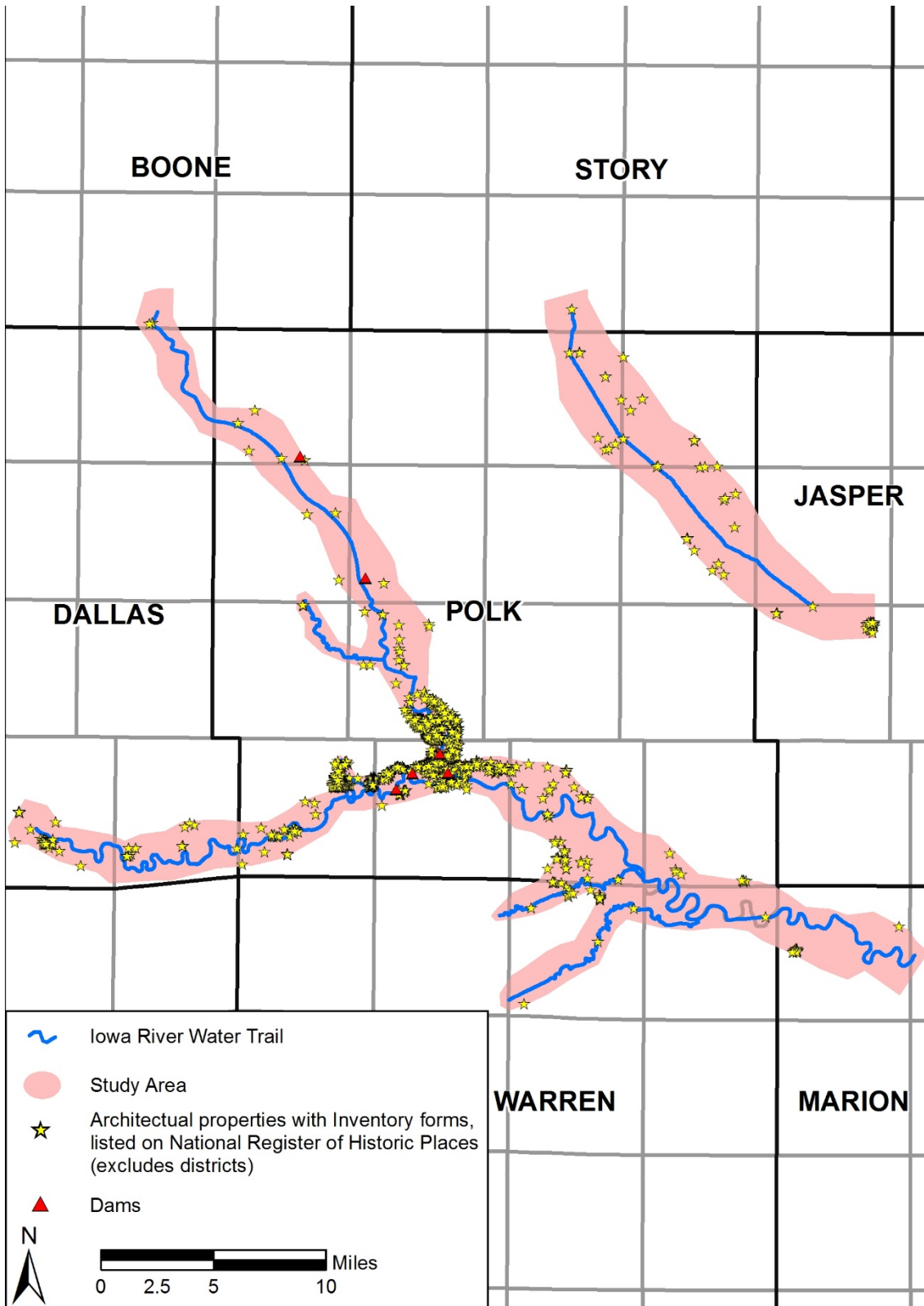


Figure 5. Map of the study area, showing architectural properties with Iowa Site Inventory listed on the NRHP. From Iowa State Historic Preservation Office.

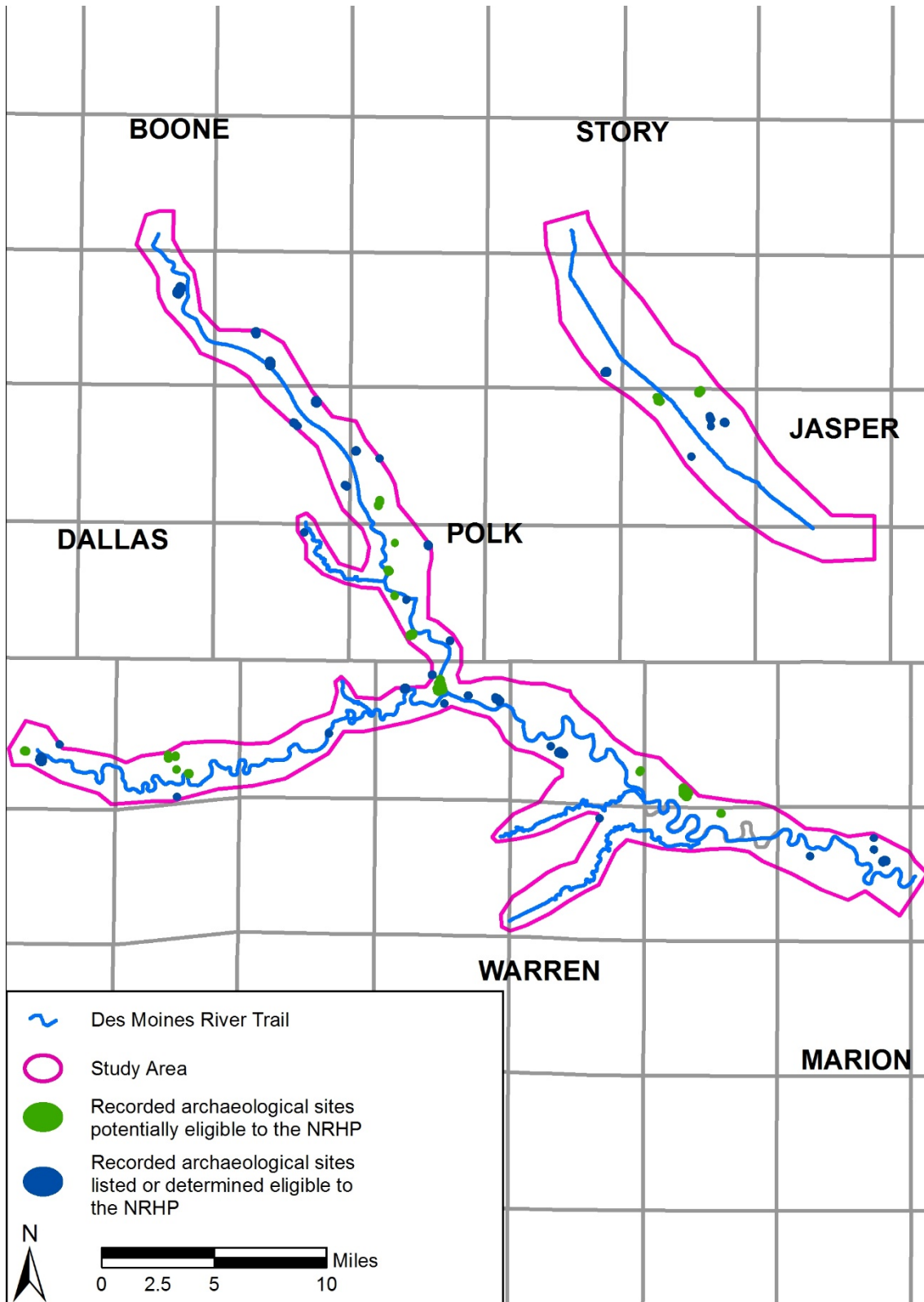


Figure 6. Map of archaeological sites with NRHP-eligibility recommendations. From ISUGISSRF (2015), and Iowa Site File.

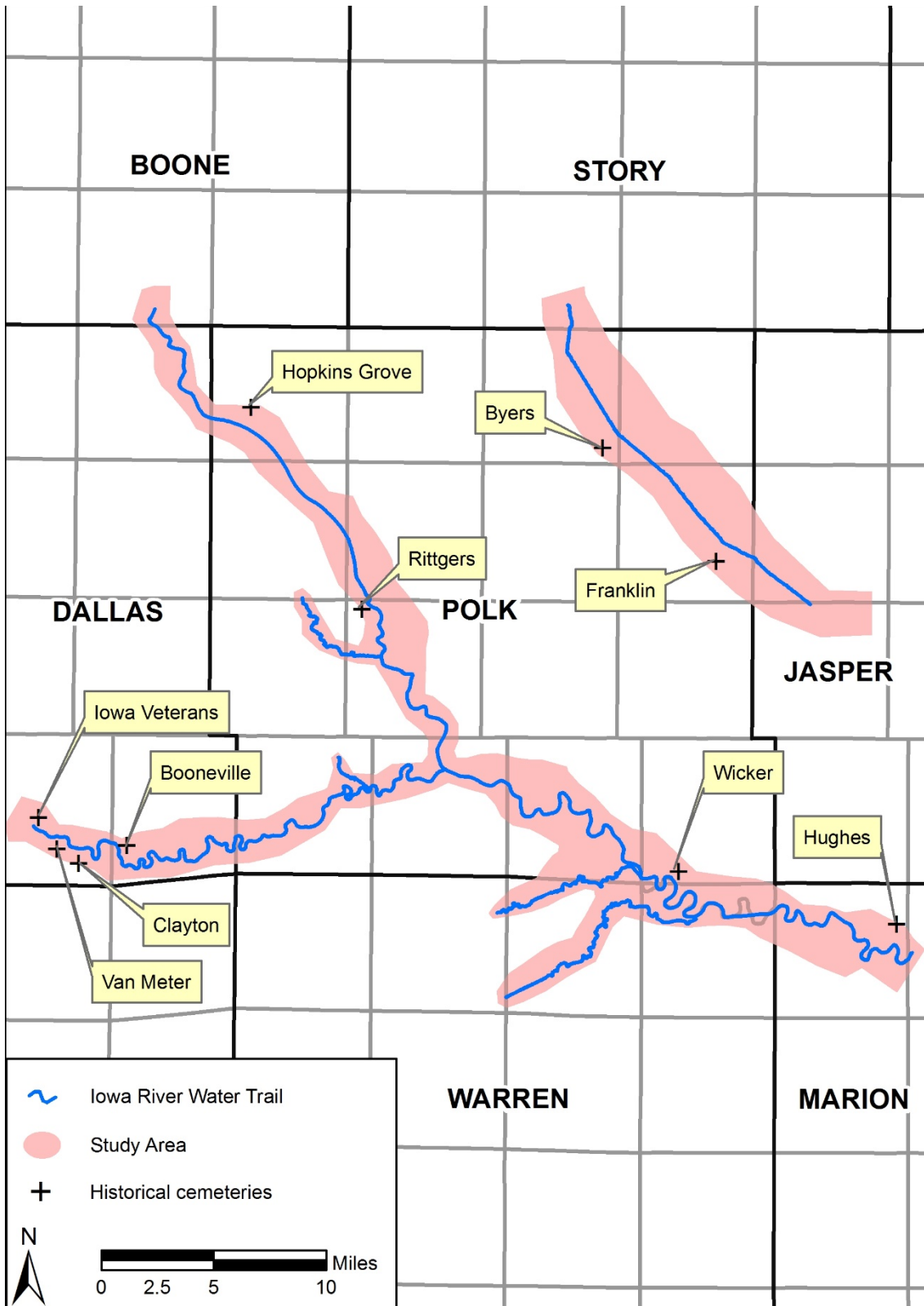


Figure 7. Map of the known cemeteries within the study area.

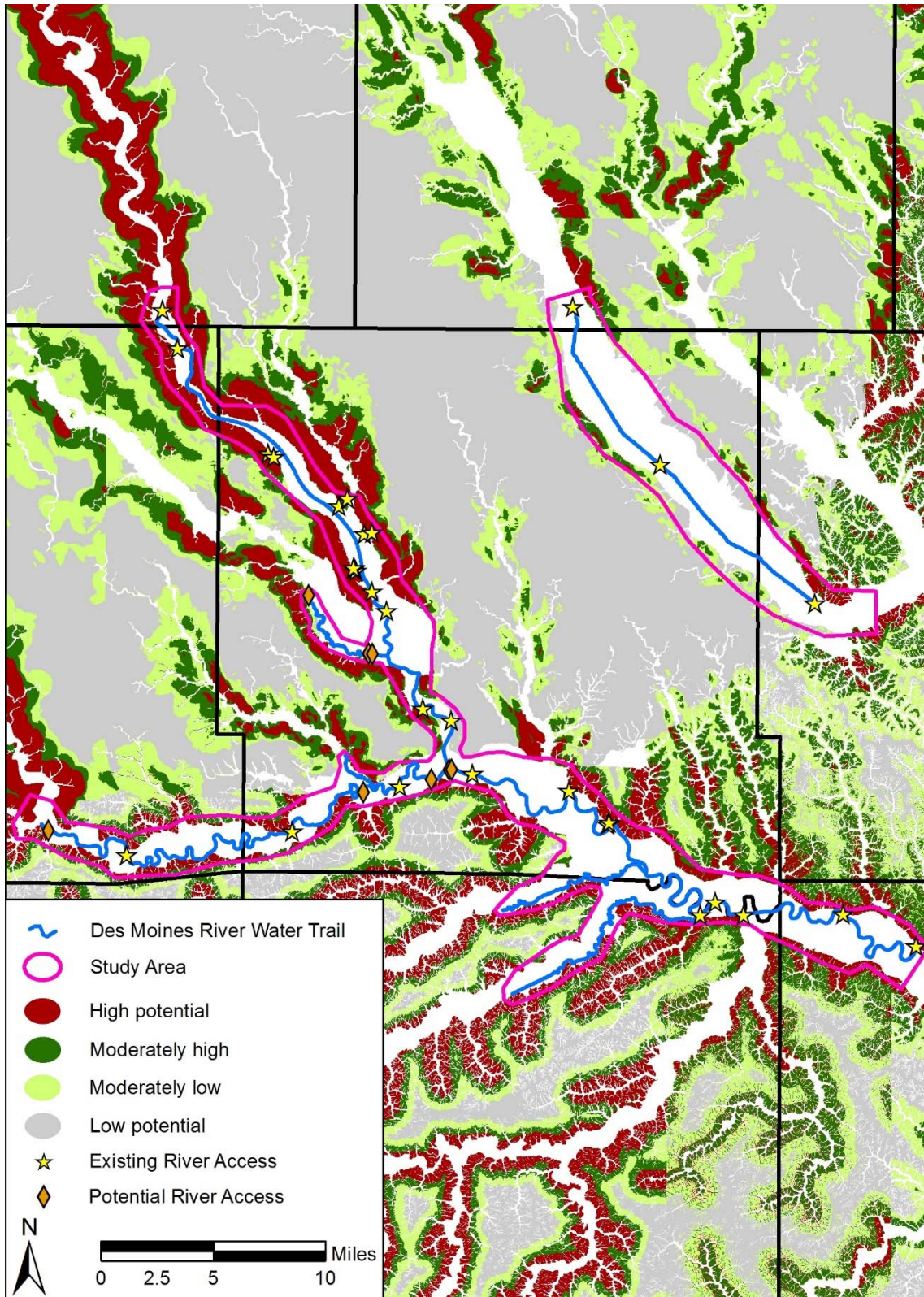


Figure 8. Map of the Landscape Model For Archaeological Site Suitability (LANDMASS), showing potential or suitability of upland landforms for prehistoric occupation. White areas are valley bottoms with no suitability ranking. From ISUGISSRF (2015) and the Iowa Site File.

Table 1. Descriptions of the Most Common Soil Series in the Study Area.

<u>Upland Soil Series</u>			
Soil series	Landform	Parent material	Native vegetation
Armstrong	Uplands	Loess or colluvium	Tall prairie grasses and deciduous trees
Bolan	Uplands	Eolian materials	Tall prairie grasses
Canisteo	Uplands	Loamy till	Water tolerant prairie grasses and sedges
Chelsea	Uplands	Eolian sand	Deciduous trees
Clarion	Uplands	Glacial till	Tall prairie grasses
Clinton	Uplands	Loess	Deciduous trees
Downs	Uplands	Loess	Tall prairie grasses and deciduous trees
Dundas	Uplands	Loamy till	Tall prairie grasses and deciduous trees
Farrar	Uplands	Sandy loam and glacial till	Tall prairie grasses
Fayette	Uplands	Loess	Deciduous trees
Flagler	Uplands	Moderately course materials	Tall prairie grasses
Gara	Uplands	Glacial till	Tall prairie grasses and deciduous trees
Gosport	Uplands	Silty or loamy materials	Deciduous trees
Hayden	Uplands	Loamy glacial till	Deciduous trees
Keswick	Uplands	Loamy till sediments	Deciduous trees
Ladoga	Uplands	Loess	Tall prairie grasses and deciduous trees
Lester	Uplands	Loamy till	Tall prairie grasses
Lindley	Uplands	Glacial till or loess	Deciduous trees
Luther	Uplands	Glacial till	Deciduous trees
Nicollet	Uplands	Glacial till	Tall prairie grasses
Port Byron	Uplands	Loess	Tall prairie grasses
Sharpsburg	Uplands	Loess	Tall prairie grasses
Sparta	Uplands	Reworked sandy outwash	Tall prairie grasses and deciduous trees
Storden	Uplands	Loamy glacial till	Tall prairie grasses
Tama	Uplands	Loess	Tall prairie grasses
Terril	Uplands	Colluvium	Tall prairie grasses
Webster	Uplands	Glacial till	Tall prairie grasses
Zenor	Uplands	Glacial outwash	Tall prairie grasses

Table 1. Descriptions of the Most Common Soil Series in the Study Area (continued).

Flood plain Soil Series			
Soil series	Landform	Parent material	Native vegetation
Ackmore	flood plain	alluvium	Tall prairie grasses
Bremer	flood plain	alluvium	tall prairie grasses
Biscay	flood plain	Loamy glacial outwash	prairie grasses
Coland	flood plain	alluvium	Water tolerant prairie grasses
Colo	flood plain	alluvium	Water tolerant prairie grasses
Cylinder	flood plain	Loamy alluvium over gravel	Tall prairie grasses
Dickinson	flood plain	Glacial alluvium	Tall prairie grasses
Ely	flood plain	Colluvium and alluvium	Tall prairie grasses
Hanlon	flood plain	alluvium	Tall prairie grasses
Huntsville	flood plain	alluvium	Tall prairie grasses
Judson	flood plain	Silty colluvium	Tall prairie grasses
Kennebec	flood plain	alluvium	Tall prairie grasses
Klum	flood plain	Alluvium	Scattered deciduous trees and tall prairie grasses
Lawler	flood plain	alluvium over sand/gravel	Tall prairie grasses
Moingona	flood plain	Loamy alluvium/colluvium	Tall prairie grasses and deciduous trees
Nevin	flood plain	alluvium	Tall prairie grasses
Nodaway	flood plain	alluvium	Scattered deciduous trees and tall prairie grasses
Ridgeport	flood plain	Moderately coarse alluvium	Tall prairie grasses
Salida	flood plain	glacial outwash	Tall prairie grasses
Sattre	flood plain	Loamy alluvium over gravel	Tall prairie grasses and deciduous trees
Sparta	flood plain	Sandy outwash, wind reworked	scattered deciduous trees and tall prairie grasses
Spillville	flood plain	Medium textured alluvium	Tall prairie grasses
Wadena	flood plain	Glacial outwash	Tall prairie grasses
Wiota	flood plain	alluvium	Tall prairie grasses
Zook	flood plain	alluvium	Water tolerant prairie grasses

Table 2. Townships, Cities, and Villages of the Study Area.

County	Twp	Range	Township name(s)	Cities, towns, or villages in or adjacent to corridor
Boone	82	26	Cass, Douglas	Madrid
Dallas	78	26	Boone	
	78	27	Van Meter	Van Meter
	81	26	Des Moines	Booneville
Jasper	79	21	Washington	Colfax
	80	21	Poweshiek	Oswalt, Valeria
Marion	77	20	Red Rock	
	77	21	Red Rock, Pleasant Grove	Swan
Polk	78	22	Camp	
	78	23	Allen, Four Mile, Lee	Pleasant Hill
	78	24	Bloomfield, Des Moines, Lee	Des Moines
	78	25	Walnut, Des Moines	Des Moines, West Des Moines, Windsor Heights
	79	24	Saylor, Des Moines, Lee	Des Moines, Johnston, Saylorville
	79	25	Webster	Des Moines, Windsor Heights, Urbandale, Clive
	80	22	Franklin	
	80	24	Crocker	Ankeny, Johnston
	80	25	Jefferson, Madison	Polk City
	81	22	Washington	
	81	23	Elkhart	Elkhart
	81	25	Union, Madison	Polk City
Story	82	23	Union	Cambridge
Warren	77	22	Palmyra, Richland	
	77	23	Allen, Palmyra	Carlisle
	77	24	Greenfield	

Table 3. Prior Archaeological Investigations in the Study Area

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
0	263924.516	19900408004	19730077000				Pulcher 1990
1	91477.838	19910585092					Slattery 1991
2	64858.695	19850885073					Huerter and Atwell 1985b
3	157064.602	19850577050	19730077000				Stanley and Benn 1985
4	121859.08	19850885073					Huerter and Atwell 1985b
5	128899.66	19820900000					Gourley 1983
6	28369.363	19730077000	19820900000				Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986
7	20314.807	19901077028					Hanson 1990
8	26903.001	19880825071	19730077000				Stanley and Hoppin 1989; Stanley 1988
9	6711.442	19901077028					Hanson 1990
10	199912.37	19820900000					Gourley 1983
11	7742.202	19901077028					Hanson 1990
12	18359.499	19901077028					Hanson 1990
13	54841.509	19990577705					Higginbottom 1985
14	10167.897	19990577705					Higginbottom 1985
15	34747.768	19990577705					Higginbottom 1985
16	171793.764	19820900000					Gourley 1983
17	26580.157	19990577705					Higginbottom 1985
18	12463.117	19990577705					Higginbottom 1985
19	18512.935	19990277045					Sellars 1998a
20	18165.299	19990577705					Higginbottom 1985
21	927.003	19990577705	19990277045				Higginbottom 1985
22	4951.224	19990577705					Higginbottom 1985
23	30401.177	19990577705					Higginbottom 1985
24	6799.981	19990577705					Higginbottom 1985
25	61958.778	19850877052					Huerter and Atwell 1985a
26	68954.186	19850877052					Huerter and Atwell 1985a

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
27	42534.76	19930325124					Fishel and Peterson 1996; Morrow 1991; Finn 2006
28	14349.749	19930325124	19730077000				Fishel and Peterson 1996; Morrow 1991; Finn 2006
29	1222.296	19730077000					Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986
30	52807.462	19930325124					Fishel and Peterson 1996; Morrow 1991; Finn 2006
31	13970.051	19990277046					Sellars 1998b
32	17101.572	19990277047					Sellars 1998c
33	16092.171	19860477017	19730077000				Hanson 1986
34	39088.268	19990577705					Higginbottom 1985
35	11147.064	19990577705					Higginbottom 1985
36	3357.682	19990577705					Higginbottom 1985
37	4119.563	19990577705					Higginbottom 1985
38	3653.593	19990577705					Higginbottom 1985
39	24276.142	19990577705					Higginbottom 1985
40	156528.704	19820900000					Gourley 1983
41	5190.526	19990577705					Higginbottom 1985
42	3194.341	19990577705					Higginbottom 1985
43	83249.572	19920677017					Snow and Rogers 1992
44	34910.284	19910877048					Hirst 1991
45	1701.329	19990577705					Higginbottom 1985
46	102215.755	19850777011					McNair 1985
47	29671.275	19950677031					Anderson 1995
48	78405.77	19930325124	19730077000				Fishel and Peterson 1996; Morrow 1991; Finn 2006

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
49	5306.462	19930325124					Fishel and Peterson 1996; Morrow 1991; Finn 2006
50	4997.81	19990577705					Higginbottom 1985
51	10367.599	19850777011	19730077000				McNair 1985
52	5343.024	19990577705					Higginbottom 1985
53	4569.823	19990577705					Higginbottom 1985
54	157622.413	20010177097					Stanley and Lauderbaum 2001; Blikre and Vogel 2001
55	1364.326	19980877069	19930325124	19730077000			Lueck 1998
56	8325.899	19980877069	19730077000				Lueck 1998
57	156183.871	19820900000					Gourley 1983
58	399346.199	19881277088					Peterson 1993; Gade 1997; Betker 1998
59	18824.707	19810477089	19730077000				McCully 1981c
60	1120434.893	19850577050	19730077000				Stanley and Benn 1985
61	332905.389	19910400094					Artz 1994; Artz 1997; Hedden 1997; Hawkins 1998; Collins 2001
62	6656.835	19850177224	19730077000				Emerson and Finney 1984a, 1984b, 1984c
63	44976.64	19730077000					Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986
64	4162.438	19940977011					Stemper 1996
65	46938.763	19850577050	19851177005				Stanley and Benn 1985
66	18437.065	20001177066	20011177035				Sellars and Ambrosino 2000
67	68711.801	19850577050	19851177005				Stanley and Benn 1985
68	34928.233	19850577050	19851177005				Stanley and Benn 1985
69	75051.844	19850577050	19851177005				Stanley and Benn 1985
70	240365.726	19850577050	19851177005				Stanley and Benn 1985

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
71	10476.653	19820477057	19830200087	19830400205	19851177005		Emerson et al. 1983a, 1983b, 1983c, 1983d, 1983e
72	135419.006	19850577050	19851177005				Stanley and Benn 1985
73	157187.02	19820900000					Gourley 1983
74	15759.717	20011177035	19820900000				Weitzel et al. 2001
75	12156.03	19870577010	19851177005				Hanson 1987b
76	179996.643	19830277281					Carr 1980b; Till and Hotopp 1985; Johnson and Birk 1984; Hudson 1983a; Carr 1980c
77	104063.995	19830277281	19730077000				Carr 1980b; Till and Hotopp 1985; Johnson and Birk 1984; Hudson 1983a; Carr 1980c
78	26682.685	19840477083	19850177224	19851177005			Emerson and Finney 1984a, 1984b, 1984c
79	21248.717	19820477057	19830200087	19830400205	19851177005		Emerson et al. 1983a, 1983b, 1983c, 1983d, 1983e
80	8279.565	19820477057	19830200087	19830400205	19851177005		Emerson et al. 1983a, 1983b, 1983c, 1983d, 1983e
81	198465.169	19880377067				19750077001	Fabyan 1988
82	6670.429	19820477057	19830200087	19830400205	19851177005		Emerson et al. 1983a, 1983b, 1983c, 1983d, 1983e
83	4837.953	19840477083	19850177224	19851177005			Emerson and Finney 1984a, 1984b, 1984c
84	43892.275	19820477057	19830200087	19830400205	19851177005		Emerson et al. 1983a, 1983b, 1983c, 1983d, 1983e
85	172852.971	19830277281					Carr 1980b; Till and Hotopp 1985; Johnson and Birk 1984; Hudson 1983a; Carr 1980c

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
86	37135.746	19830277281					Carr 1980b; Till and Hotopp 1985; Johnson and Birk 1984; Hudson 1983a; Carr 1980c
87	6202.279	19820477057	19830200087	19830400205	19851177005		Emerson et al. 1983a, 1983b, 1983c, 1983d, 1983e
88	22632.84	19850577050	19851177005				Stanley and Benn 1985
89	69138.543	19810477043	19851177005				McCully 1981a
90	20699.99	19730077000	19830477233	19840277056			Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986
91	1301.78	19810477081					McCully 1981b
92	10373.659	19730077000	19810477081				Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986
93	3284.442	19730077000					Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986
94	7242.711	19840277056	19830477233	19820177019	19810377027		Gradwohl and Osborn 1984
95	179.998	19840277056	19830477233				Gradwohl and Osborn 1984
96	2353.891	19941077188					Peterson 1994c
97	19363.583	19810477081	20060577027				McCully 1981b
98	248389.274	19850577050					Stanley and Benn 1985
99	5219.227	19960377010	19970277009	20070577037			Fischel 1996
100	81440.035	19910777052					Roberts 1991
101	1265487.689	19910177118				20050877091	Peterson 1994b; Finney and Snow 1991
102	8669.88	19830400205	19830200087	19820477057			Emerson et al. 1983a, 1983b, 1983c, 1983d, 1983e
103	281.254	19830277281	19830400205				Carr 1980b; Till and Hotopp 1985; Johnson and Birk 1984; Hudson 1983a; Carr 1980c

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
104	2976.024	19830400205	19830200087	19820477057	19820177019		Emerson et al. 1983a, 1983b, 1983c, 1983d, 1983e
105	4315.218	19830277281	19820177019				Carr 1980b; Till and Hotopp 1985; Johnson and Birk 1984; Hudson 1983a; Carr 1980c
106	28742.278	19930377129	19910177118	19940777209	19930277036		Nepstead-Thornberry et al. 1998
107	100271.402	19820177019	19810377027	19750077001			Benn and Bettis 1981
108	7671.76	19750077001					Weichman et al. 1975
109	20533.069	19830277281	19750077001				Carr 1980b; Till and Hotopp 1985; Johnson and Birk 1984; Hudson 1983a; Carr 1980c
110	242667.302	20011250032					Linderbaum and Stanley 2001
111	33216.876	19830277281					Carr 1980b; Till and Hotopp 1985; Johnson and Birk 1984; Hudson 1983a; Carr 1980c
112	3822.81	19830277281	19910777052				Carr 1980b; Till and Hotopp 1985; Johnson and Birk 1984; Hudson 1983a; Carr 1980c
113	29036.837	19830277281					Carr 1980b; Till and Hotopp 1985; Johnson and Birk 1984; Hudson 1983a; Carr 1980c
114	57952.392	19910777052	20070477048				Roberts 1991
115	79212.581	19850577050	19820177019	19810377027			Stanley and Benn 1985
116	5092.341	20000950009					Stephenson 2000a
117	10271.587	19920277014	19820177019	19810377027	19750077001		Roberts 1992
118	415979.575	19900450053					Merry 1990b
119	142880.62	19880977025	19901077058				Hannus and Ruple 1988
120	1619.401	19920277014	19870477007	19750077001	19820177019		Roberts 1992
121	40830.49	19970577130	19820177019	19810377027	19750077001		Lueck 1997

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
122	3345.863	19820177019	19810377027				Benn and Bettis 1981
123	1377.615	19970577130	19850177166	19840477093	19750077001		Lueck 1997
124	1879.374	19920277014	19750077001	19820177019	19810377027		Roberts 1992
125	39057.974	19881277080	19970577130	19810377027	19820177019		Hirst 1988
126	1920.077	19820177019	19810377027	19750077001			Benn and Bettis 1981
127	16891.243	19750077001					Weichman et al. 1975
128	4368.725	19881277080	19820177019	19810377027			Hirst 1988
129	6127.702	19881277080	19820177019	19810377027	19750077001		Hirst 1988
130	7955.288	19881277080	19820177019	19810377027			Hirst 1988
131	1937.022	19930377012	19881277080	19820177019	19810377027		Weitzel 1993; Loss 1994; Hanson 1995
132	2642.333	19881277080	19750077001	19810377027	19820177019		Hirst 1988
133	38037.589	19820177019	19810377027	19750077001			Benn and Bettis 1981
134	2463.82	19881277080	19750077001	19810377027	19820177019		Hirst 1988
135	14855.106	19990777099					Winham 1999
136	5458.352	19750077001					Weichman et al. 1975
137	6901.591	19940977010	19820177019	19810377027			Snow 1995
138	4920.546	19940977010	19820177019	19810377027	19750077001		Snow 1995
139	15835.242	19970577130	19930377012	19820177019	19810377027		Lueck 1997
140	257.012	19820177019	19810377027	19750077001			Benn and Bettis 1981
141	17308.012	19930377012	19820177019	19810377027	19750077001		Weitzel 1993; Loss 1994; Hanson 1995
142	10387.593	19820177019	19810377027	19750077001			Benn and Bettis 1981
143	18042.19	19820177019	19810377027				Benn and Bettis 1981
144	7440.779	19820177019	19810377027	19750077001			Benn and Bettis 1981
145	177958.341	19930377012	19820177019	19810377027	19750077001		Weitzel 1993; Loss 1994; Hanson 1995
146	3891.106	19940977010	19930377012	19820177019	19810377027		Snow 1995
147	1631.651	19940977010	19930377012	19820177019	19810377027		Snow 1995
148	58891.389	19970577130	19820177019	19810377027			Lueck 1997
149	2949.517	19930377012	19820177019	19810377027	19750077001		Weitzel 1993; Loss 1994; Hanson 1995
150	7262.11	19930377012	19820177019	19810377027			Weitzel 1993; Loss 1994; Hanson 1995
151	1291.218	19820177019	19810377027	19750077001			Benn and Bettis 1981

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
152	19141.73	19820177019	19810377027	19750077001			Benn and Bettis 1981
153	3066.523	19930377012	19750077001				Weitzel 1993; Loss 1994; Hanson 1995
154	54025.024	19820177019	19810377027	19750077001			Benn and Bettis 1981
155	3367.105	19820177019	19810377027	19750077001			Benn and Bettis 1981
156	3632.703	19930377012					Weitzel 1993; Loss 1994; Hanson 1995
157	10142.877	19750077001					Weichman et al. 1975
158	112468.805	19810377027	19820177019				Benn and Bettis 1981; Bettis and Benn 1984
159	9656.61	20000977034					Stephenson and Weitzel 2001
160	195795.396	20000377100					Sellars 2000
161	637688.171	19820900000					Gourley 1983
162	341844.168	19750077001	19810377027	19820177019			Weichman et al. 1975
163	8598.804	19830077000	19810377027	19820177019			Benn and Harris 1983; Gourley 1985
164	231505.043	19750077001	19810377027	19820177019			Weichman et al. 1975
165	38666.129	19930377012					Weitzel 1993; Loss 1994; Hanson 1995
166	52563.811	19810377027	19820177019				Benn and Bettis 1981; Bettis and Benn 1984
167	9228.819	19830077000	19750077001	19810377027	19820177019		Benn and Harris 1983; Gourley 1985
168	170912.842	19950577130					Peterson 1995
169	14743.678	19780377022				19750077001	Hotopp and Lawrence 1978
170	7008.285	19840277069	19750077001	19810377027	19820177019		Benn 1984
171	37075.767	20010677081	0	0	0		Nansel 2001a
172	7144.521	19840277069	19810377027	19820177019	20050477119		Benn 1984
173	7908.657	19930377012	19950577130				Weitzel 1993; Loss 1994; Hanson 1995
174	18556.723	19930377012					Weitzel 1993; Loss 1994; Hanson 1995

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
175	5647.662	19930377012	19880977025	19901077058			Weitzel 1993; Loss 1994; Hanson 1995
176	25026.859	19880977025	19901077058				Hannus and Ruple 1988
177	32522.076	19750077001	19810377027	19820177019			Weichman et al. 1975
178	62241.328	19750077001	19810377027	19820177019			Weichman et al. 1975
179	8403.642	19880977025	19901077058				Hannus and Ruple 1988
180	10328.243	19930377012				19750077001	Weitzel 1993; Loss 1994; Hanson 1995
181	7957.906	19930377012	19880977025	19901077058			Weitzel 1993; Loss 1994; Hanson 1995
182	44729.025	19880977025	19901077058				Hannus and Ruple 1988
183	361.894	19970377003	19880977025	19901077058			Hedden 1996
184	137.365	19880977025	19901077058				Hannus and Ruple 1988
185	6888.904	19970377003					Hedden 1996
186	1939.147	19930377012	19880977025	19901077058			Weitzel 1993; Loss 1994; Hanson 1995
187	74912.01	19750077001	19810377027	19820177019			Weichman et al. 1975
188	14418.698	19930377012					Weitzel 1993; Loss 1994; Hanson 1995
189	4059.448	19930377012	19950577130				Weitzel 1993; Loss 1994; Hanson 1995
190	38594.897	19930377012					Weitzel 1993; Loss 1994; Hanson 1995
191	202.193	19930377012	19880977025	19901077058	19950577130		Weitzel 1993; Loss 1994; Hanson 1995
192	7964.953	19970377003					Hedden 1996
193	3340.957	19970377003					Hedden 1996
194	766.771	19950577130					Peterson 1995
195	10184.393	19950577130	19880977025	19901077058			Peterson 1995
196	19741.427	19950577130					Peterson 1995
197	7753.713	19970377003					Hedden 1996
198	36888.848	19880977025	19901077058				Hannus and Ruple 1988
199	3712.913	19970377003					Hedden 1996
200	2412.594	19950577130					Peterson 1995

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
201	38654.716	19970777027					Hirst 1997
202	9218.929	19970377003	19880977025	19901077058			Hedden 1996
203	2223.136	19970377003	19950577130	19880977025	19901077058		Hedden 1996
204	1483.762	19970377003	19950577130				Hedden 1996
205	13149.754	19880977025	19901077058				Hannus and Ruple 1988
206	13110.598	19970377003					Hedden 1996
207	107.124	19970377003					Hedden 1996
208	7766.916	19950577130					Peterson 1995
209	14464.495	19970777027	19810377027	19820177019			Hirst 1997
210	82274.808	19750077001	19810377027	19820177019			Weichman et al. 1975
211	42307.029	19880977025	19901077058	19810377027	19820177019		Hannus and Ruple 1988
212	124501.037	19880977025	19901077058	20060777097			Hannus and Ruple 1988
213	1155.407	19901077058	19880977025	19901077058			Winham and Mandel 1991
214	474.838	19810377027	19820177019	19880977025	19901077058		Benn and Bettis 1981; Bettis and Benn 1984
215	6208.952	19901077058	19880977025	19901077058	19810377027		Winham and Mandel 1991
216	9985.146	19810377027	19820177019	19880977025	19901077058		Benn and Bettis 1981; Bettis and Benn 1984
217	3173.303	19810377027	19820177019	19880977025	19901077058		Benn and Bettis 1981; Bettis and Benn 1984
218	47330.661	19810377027	19820177019				Benn and Bettis 1981; Bettis and Benn 1984
219	19501.978	19880977025	19901077058				Hannus and Ruple 1988
220	247611.23	19790477032					Fokken and Hotopp 1979; Hotopp and Lipsman 1977
221	504397.056	19750077100	19810377027	19820177019			Hudson 1984
222	432673.476	19810377027	19820177019				Benn and Bettis 1981; Bettis and Benn 1984
223	46397.959	19810377027	19820177019				Benn and Bettis 1981; Bettis and Benn 1984
224	5545.719	20001077191	20030577092				Reed 2000
225	6858.468	20001177102				19810377027	Peterson and Stephenson 2000
226	19977.067	19930900097					Peterson 1995; Morrow 1995

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
227	7744.785	19990777079					Peterson 2001
							McNerney et al. 2000; McNerney 2001
228	134655.781	20000800022					Winham and Mandel 1991
229	25783.4	19901177050					Rogers 1994
230	44194.543	19930777064					Weichman et al. 1974
231	1572170.615	19740077010					Nansel 2001b
232	88056.24	20020177071	19740077010				Anonymous 1985
233	43598.82	19800177218	19851177075				McNerney et al. 2000; McNerney 2001
234	1594.41	20000800022	19880977025	19901077058			McNerney et al. 2000; McNerney 2001
							McNerney et al. 2000; McNerney 2001
235	65969.261	20000800022					Hannus and Ruple 1988
236	12738.948	19880977025	19901077058	20031177040			Ross et al. 1991
237	8493.877	19901177050					Hotopp et al. 1977
238	10689.607	19770377720					Peterson 1994a; Shoen 1998; Henning 1998; Overstreet et al. 2000; Shoen and Holt 2000, Rogers 2003
239	19182.282	19870777000	19880977025				Peterson 1994a
240	214635.032	19870777000					Winham and Ruple 1989a, 1989b; Winham and Ruple 1988
241	5577.539	19880177037	19870777000				Peterson 1994a
242	6206.922	19870777000					Peterson 1994a
243	13643.601	19870777000					Lawrence 1978
244	153677.79	19780377020	20050877091				Peterson 1994a
245	17068.066	19870777000					McNerney et al. 2000; McNerney 2001
246	24313.584	20000800022	19740077010				Weichman et al. 1974
247	2499671.565	19740077010					Lawrence 1978
248	2030.498	19780377020	19870777000	20050877091			Sellars 1999
249	177337.496	19990577012					Titus 1994
250	136573.275	19940877047					Titus 1994
251	69984.507	19940877047	19740077101				Lawrence 1978
252	3318.38	19780377020	19870777000	19880977025	19901077058		

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
253	4701.019	19870777000					Peterson 1994a
254	28389.154	19780377020	19870777000				Lawrence 1978
255	9036.302	19870777000					Peterson 1994a
256	6053.65	19870777000	19880977025	19880977025			Peterson 1994a
257	5821.364	19870777000	19851177075	19800177218			Peterson 1994a
258	16799.89	19870777000					Peterson 1994a
259	4586.192	19800177218	19851177075				Anonymous 1985
260	62212.945	19930977112					Peterson 1993; Shoen and Holt 1998
261	6106.845	19800177218	19851177075				Anonymous 1985
262	1939.218	19870777000	19851177075	19800177218			Peterson 1994a
263	5376.346	19880977025	19901077056				Hannus and Ruple 1988
264	2618.1	19870777000	19800177218	19851177075			Peterson 1994a
265	15772.035	19800177218	19851177075				Anonymous 1985
266	2321.58	19870777000					Peterson 1994a
267	2855.651	19870777000	19800177218	19851177075			Peterson 1994a
268	17498.35	19870777000					Peterson 1994a
269	1693.651	19870777000					Peterson 1994a
270	10736.224	19870777000	19851177075	19800177218			Peterson 1994a
271	9092.737	19910977026	19880977025	19901077056			Winham and Mandel 1991b
272	5569.656	19910977026					Winham and Mandel 1991b
273	4021.801	19870777000					Peterson 1994a
274	3196.225	19800177218	19851177075				Anonymous 1985
275	3167.905	20010677110	19740077010				Fishel 2001
276	63371.6	19850577123					Johnson 1985b
277	22043.324	19880977025	19901077056				Hannus and Ruple 1988
278	2235083.429	19740077010					Weichman et al. 1974
279	8772.999	19870777000					Peterson 1994a
280	24353.17	19850477098	19740077010				Merry 1985a
281	5132.834	19740077010					Weichman et al. 1974
282	12781.636	20020177071	19740077010	19850477098			Nansel 2001b
283	7199.644	19850477098	19740077010				Merry 1985a
284	4778.776	19850477098	19740077010	20000800022			Merry 1985a
285	10288.159	19840477061	19740077010				Thompson and Bettis 1984; Thompson 1983
286	149245.213	19850577123					Johnson 1985b
287	3496.815	20000800022	19740077010				McNerney et al. 2000; McNerney 2001

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
288	2687.161	19881077080	19840477061	19740077010			Hoppin 1988; Hanson 1990
289	392.362	19840477061	19740077010	20000800022			Thompson and Bettis 1984; Thompson 1983
290	4253.321	19881077080	19840477061	19740077010	20000800022		Hoppin 1988; Hanson 1990
291	2906.651	19780377020	19850577123				Lawrence 1978
292	18295.254	19920277031					Thompson 1999; Perry 1992; Perry 1994a
293	41107.589	19840477061	19740077010				Thompson and Bettis 1984; Thompson 1983
294	4647.043	19850577123					Johnson 1985b
295	24760.579	19881077080	19840477061	19740077010			Hoppin 1988; Hanson 1990
296	5801.607	19930977112	19850577123				Peterson 1993; Shoen and Holt 1998
297	787.881	19840477061	19740077010	20000800022			Thompson and Bettis 1984; Thompson 1983
298	459523.22	19780377020					Lawrence 1978
299	92812.333	20000800022	19740077010				McNerney et al. 2000; McNerney 2001
300	92164.161	19930977112					Peterson 1993; Shoen and Holt 1998
301	6188.227	20011077055					Stephenson 2001
302	10307.409	20020177071	19740077010				Nansel 2001b
303	374748.522	19870477001					Thompson 1987
304	202610.611	19900777099					Deiss 1990
305	12704.242	19881177007	19890677085	20050877091			Hanson 1988b
306	52505.262	19861277039	19740077010				Merry 1986
307	609060.246	19840477200	19870977151				Schnerre 1984
308	223994.903	19880977025	19901077058				Hannus and Ruple 1988
309	9324.086	19881177007	19920277031	19890677085			Hanson 1988b
310	4846.361	19881177007	19890677085				Hanson 1988b
311	148592.042	19870477001					Thompson 1987
312	3928.076	19870477001	19880977025	19901077058			Thompson 1987
313	39133.446	19920377088					Perry 1994b; Perry 1995

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
314	120725.962	19800477099					Anonymous 1976; Carr 1980a
315	18209.263	19840477200	19870977151				Schnerre 1984
316	261320.362	19920377088					Perry 1994b; Perry 1995
317	40460.953	19920377088					Perry 1994b; Perry 1995
318	151501.091	19980725070					Kapler 1998a
319	88801.09	19930325124					Fishel and Peterson 1996; Morrow 1991; Finn 2006
320	4070.558	19880500054	19740077010	20000800022			Rogers 1991; Rogers 1993
321	76664.671	19880500054	19740077010				Rogers 1991; Rogers 1993
322	6811.836	20000800022	19740077010				McNerney et al. 2000; McNerney 2001
323	14826.22	19880525096	19780225335				Perry 1988
324	17998.806	19880525096					Perry 1988
325	12617.396	20000800022					McNerney et al. 2000; McNerney 2001
326	141.311	19880525096					Perry 1988
327	6396.084	19780225335					Walters 1991
328	4094.652	19880500054					Rogers 1991; Rogers 1993
329	3851.803	19880500054	20000800022				Rogers 1991; Rogers 1993
330	7633.295	19880500054					Rogers 1991; Rogers 1993
331	1748092.632	19780177244					Gradwohl 1979, Osborn and Gradwohl 1978, Gradwohl and Osborn 1977
332	1861.242	20000800022					McNerney et al. 2000; McNerney 2001
333	15695.085	19880500054					Rogers 1991; Rogers 1993
334	8312.724	19920277031	19800477099	19890677085			Thompson 1999; Perry 1992; Perry 1994a

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
335	2389.806	19920277031	19890677085				Thompson 1999; Perry 1992; Perry 1994a
336	7913.151	19880500054	20000800022				Rogers 1991; Rogers 1993
337	17684.146	19880500054					Rogers 1991; Rogers 1993
338	69945.218	19770325091					Till 1977; Till et al. 1979
339	22917.691	20000800022					McNerney et al. 2000; McNerney 2001
340	87984.922	19850577078					Merry 1985b
341	520647.293	19770325091					Till 1977; Till et al. 1979
342	2250.206	20001177005	19930777006				Stephenson 2000b
343	1658.441	20001177005					Stephenson 2000b
344	8198.921	20010525042					Hengesteg et al. 2001
345	117158.831	19881077080					Hoppin 1988; Hanson 1990
346	861.708	19880977032	19780177244				Hanson 1988a
347	1457.872	19880977032					Hanson 1988a
348	156222.796	19850977097					Merry 1985c
349	83301.591	19920777034	19991277085				Weitzel 1993; Snow 1992
350	3172.835	19861177031	19920777034				Perry 1986
351	15724.045	19861177031					Perry 1986
352	204501.465	19820900000					Gourley 1983
353	4329.829	19980977107					Peterson 1998
354	7583.444	20011025061					Kapler 2001
355	2096.318	19991277085					Rogers 1999a
356	23802.382	19861177031	19920777034				Perry 1986
357	41328.889	19920277031	19890677085				Thompson 1999; Perry 1992; Perry 1994a
358	7829.035	19920277031	19800477099	19890677085			Thompson 1999; Perry 1992; Perry 1994a
359	189365.915	19820900000					Gourley 1983
360	19832.721	19770025001					Hotopp and Lippsman 1975
361	15083.532	19810477158					Reed 1981
362	13405.95	19770025001					Hotopp and Lippsman 1975
363	3029.72	19890125043					McNair 1989a

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
364	31396.795	19931225118					Marcucci and Rogers 1990
365	138668.988	19810477158					Reed 1981
366	28876.444	19810477158	19800477099				Reed 1981
367	14774.581	19810477158					Reed 1981
368	102682.96	19820900000					Gourley 1983
369	113178.939	19850577094	19490163000	19730063000			Johnson 1985a
							McKonkey and McNerney 1995
370	2003962.376	19940900074	19890763036	19490163000	19730063000		McNair 1989b
371	115323.325	19890125066					Kapler 1998b
372	23176.554	19981225009					Gourley 1983
373	128796.118	19820900000					Kapler 1998b
374	11176.376	19981225009	19820900000				Anonymous 1976; Carr 1980a
375	16730.635	19800477099					Gourley 1983
376	167493.815	19820900000	19490163000	19730063000			Anonymous 1976; Carr 1980a
377	73073.307	19800477099	19890677085				Collins 1988; Collins 1994; Anderson 1994
378	87155.038	19861000052	19800477099	19890677085			Straka 1998a
379	48156.36	19971225083					Rogers 1998
380	23040.369	19980500031					Straka 1998b
381	27529.477	19980577047					Page et. Al 1993; Collins 1999; Nansel 1998; Rogers 2000
382	142213.742	19931077057					Rogers 1998
383	52384.519	19980500031	19931077057				Merry 1987
384	341310.587	19870377110	19931077057				Page et. Al 1993; Collins 1999; Nansel 1998; Rogers 2000
385	25530.697	19931077057					Rogers 1998
386	119516.713	19980500031	19931077057				Page et. Al 1993; Collins 1999; Nansel 1998; Rogers 2000
387	98767.026	19931077057					Rogers 1997
388	59122.177	19980177033	19931077057				Page et. Al 1993; Collins 1999; Nansel 1998; Rogers 2000
389	1497319.579	19931077057					Rogers 1998
390	20265.419	19980500031					

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
							McNerney et al. 2000;
391	81077.866	20000800022					McNerney 2001
392	71569.913	19980177033					Rogers 1997
							Mehrer and Perry 1989, Perry 1990a
393	18990.193	19890677085	19861000052				Rogers 1998
394	346051.587	19980500031					Page et. Al 1993; Collins 1999; Nansel 1998; Rogers 2000
395	239815.94	19931077057					Straka 1998c
396	44833.403	19980777118					Gourley 1983
397	347905.522	19820900000					McNerney et al. 2000; McNerney 2001
398	5598.774	20000800022	19820900000				Gourley 1983
399	1450.857	19820900000					McKonkey and McNerney 1995
400	704509.217	19940900074	19890763036	19490163000	19730063000		Fosha 1991
401	80601.169	19911277017	19490163000	19730063000			Klingerman 1983
402	31439.242	19830377217				19750077001	Hanson 1994
403	3168.476	19940677049	19490163000	19730063000			Klingerman 1983
404	8560.362	19830377217					Gourley 1983
405	263675.444	19820900000				19750077001	Roper 1986
406	168638.718	19860963000	19490163000	19730063000			Klingerman 1983
407	7546.508	19830377217					Ross 1996; Rogers 1997
408	382282.482	19960100100					Roper 1986
409	129566.704	19860963000	19490163000	19730063000			Gourley 1983
410	151126.843	19820900000	19490163000	19730063000			Roper 1986
411	133003.725	19860963000	19490163000	19730063000		19820177019	Dasovich et al. 2001
412	2503.828	20010491099	20130191064				McConkey and McNerney 1995; Anderson 1993
413	51869.529	19890763036					Collins 1988; Collins 1994; Anderson 1994
414	620171.512	19861000052					Fabyan 1987; Phillipe and Halpin 1989; Thomas 1989
415	3785184.114	19870391002					Fischel 1997
416	34369.91	19970591054	19861000052				Rogers 1999b
417	4157.636	20001191069	19861000052				

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
418	104052.1	20001191069					Rogers 1999b
419	35237.173	19870391002					Fabyan 1987; Phillipe and Halpin 1989; Thomas 1989
420	163889.522	19870391002	19861000052				Fabyan 1987; Phillipe and Halpin 1989; Thomas 1989
421	21884.667	19860477017	19860400075	19860300046			Hanson 1986
422	9124015.847	19490163000	19730063000				McCusick and Ries 1962; Wheeler 1949
423	125952.529	19860963000					Roper 1986
424	338817.516	19870391002					Fabyan 1987; Phillipe and Halpin 1989; Thomas 1989
425	53830.664	19950591060					Stemper 1995
426	106718.057	19860963000					Roper 1986
427	50651.273	19860963000	19490163000	19730063000			Roper 1986
428	7908.09	19870763104	19490163000	19730063000			Stanley et a. 1988; Rogers 1988; Stanley 1988
429	24836.522	19860963000	19490163000	19730063000			Roper 1986
430	2250.668	20001191069	19861000052				Rogers 1999b
431	30070.129	19861000052					Collins 1988; Collins 1994; Anderson 1994
432	1263.031	19930291088					Rogers 1993
433	37784.737	19930291088	19861000052				Rogers 1993
434	6753.307	19880363111	19490163000	19730063000			Moffat and Koldehoff 1988; Moffat et al. 1989
435	6981.211	19930291088					Rogers 1993
436	3950.772	19861000052					Collins 1988; Collins 1994; Anderson 1994
437	12005.399	19880363111	19490163000	19730063000			Hoppin and Stanley 2006
438	9375.963	19940863335					Rogers 1994
439	10096.141	19830263109					Roper et al. 1984
440	868.653	19830263109	19490163000	19730063000			Roper et al. 1984
441	120343.188	19820900000					Gourley 1983
442	42620.938	19870391002					Fabyan 1987; Phillipe and Halpin 1989; Thomas 1989

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
443	10848.523	19870863032	19490163000	19730063000			Rogers and Koldehoff 1987
444	68616.231	19870391002					Fabyan 1987; Phillipe and Halpin 1989; Thomas 1989
445	7122.608	20001191069	19870391002				Rogers 1999b
446	4452.469	19840391016	20001191069	19870391002			Hudson 1984
447	148186.806	19840391016	19870391002				Hudson 1984
448	33456.146	19840391016				19750077001	Hudson 1984
449	60191.241	19840391016	19870391002				Hudson 1984
450	4358.126	20001191069	19840391016				Rogers 1999b
451	66297.432	19840391016					Hudson 1984
452	49280.976	19840391016					Hudson 1984
453	24013.581	19840391016					Hudson 1984
454	369122.851	20001191069					Rogers 1999b
455	18647.422	19870391002					Fabyan 1987; Phillipe and Halpin 1989; Thomas 1989
456	4878.177	20000477082					Peterson 1997a, 1999; Kendall 2011a
457	17281.314	19870777000					Peterson 1994a
458	3936.855	19870777000	20010577010	20010577018	20030377063		Peterson 1994a
459	1529.951	20010577010	20010577018	20030377063	20031177040		Overstreet 2001
460	7108.611	20040477073					Sellars and Ambrosino 2004
461	17529.557	20020977107	20011177035				Stephenson and Newman 2002c
462	430813.938	20040325024					Finn 2004
463	16681718.9	19730077000					Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986
464	194229.781	19991277085					Rogers 1999a
465	74987.264	19991277085					Rogers 1999a
466	35588.7	19861177031					Perry 1986
467	85090.916	19861177031					Perry 1986
468	3230.743	19861177031	19770025001				Perry 1986
469	8387.784	19861177031	19770025001				Perry 1986
470	176521.774	19861000052					Collins 1988; Collins 1994; Anderson 1994
471	1024616.992	19861000052					Collins 1988; Collins 1994; Anderson 1994

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
472	259255.146	19920291044	19490163000	19730063000			Thompson 1999; Perry 1992; Perry 1994a
473	920583.627	19920291044	19490163000	19730063000			Stemper 1992
474	1700300.749	19910400094					Artz 1994; Artz 1997; Hedden 1997; Hawkins 1998; Collins 2001
475	18689.901	19910177118	19940777209	19930277036			Peterson 1994b; Finney and Snow 1991
476	4255.17	19910177118	19940777209	20040800047			Peterson 1994b; Finney and Snow 1991
477	6407.234	19940777209	19930277036				Morrow 1996; McNerney 1996
478	8423.155	19940777209	20040800047	19930277036			Morrow 1996; McNerney 1996
479	36455.354	19940777209	19930277036				Morrow 1996; McNerney 1996
480	61870.082	19930377129	19930277036				Nepstead-Thornberry et al. 1998
481	16467.564	19930377129	20040800047	19930277036			Nepstead-Thornberry et al. 1998
482	34998.435	20040800047	19930277036				Lueck 2004
483	27557.149	20040800047					Lueck 2004
484	1121.776	20040800047					Lueck 2004
485	1274.277	20040877101	19730077000				Meseke and Rogers 2004
486	159362.371	20000800022					McNerney et al. 2000; McNerney 2001
487	2886.203	20040800047	20020577138				Lueck 2004
488	3946.576	19970577130	20040800047				Lueck 1997
489	13416.286	19970577130	20020577138				Lueck 1997
490	56107.319	19980500031					Rogers 1998
491	27919.084	19861000052					Collins 1988; Collins 1994; Anderson 1994
492	21458.081	19920277031	19890677085				Thompson 1999; Perry 1992; Perry 1994a

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
493	204.132	19920277031	19980400037	19890677085			Thompson 1999; Perry 1992; Perry 1994a
494	377.061	19920277031	19890677085				Thompson 1999; Perry 1992; Perry 1994a
495	263766.479	19881177062					Kelly 1992
496	2579.817	19881177062	19980400037				Kelly 1992
497	120.024	19881177062	19980400037				Kelly 1992
498	208.794	19881177062					Kelly 1992
499	122.15	19980400037				19820177019	Shinn 1998; Johnson et al. 1999
500	876.481	19980400037				19810377027	Shinn 1998; Johnson et al. 1999
501	17654.668	19930777006					Marcucci and Morrow 1993a; Marcucci and Morrow 1993b
502	47471.05	19930777006					Marcucci and Morrow 1993a; Marcucci and Morrow 1993b
503	5708.261	19930777006	19980400037				Marcucci and Morrow 1993a; Marcucci and Morrow 1993b
504	26957.526	19930777006					Marcucci and Morrow 1993a; Marcucci and Morrow 1993b
505	17130.159	19980400037					Shinn 1998; Johnson et al. 1999
506	10501.431	19980400037					Shinn 1998; Johnson et al. 1999
507	5040.851	19830391121					Hudson 1983b
508	24818.21	19830391121					Hudson 1983b
509	751.959	19830391121	19980400037				Hudson 1983b
510	1389.48	19980400037					Shinn 1998; Johnson et al. 1999
511	4636.277	19980400037					Shinn 1998; Johnson et al. 1999
512	101077.07	19820900000					Gourley 1983
513	1344.268	19820900000	19980400037				Gourley 1983
514	29827.985	19820900000					Gourley 1983

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
515	128671.201	20001191069					Rogers 1999b
516	220.265	20001191069	19980400037				Rogers 1999b
517	184476.213	20001191069					Rogers 1999b
518	446.145	19980400037					Shinn 1998; Johnson et al. 1999
519	10129.596	19980400037					Shinn 1998; Johnson et al. 1999
520	103777.782	20000377008					Harvey and Kolb 2004
521	47582.561	20000377008					Harvey and Kolb 2004
522	170756.237	19990577058					Snow 1999
523	155617.462	19990577058	20000377008				Snow 1999
524	58585.187	19970577130	19810377027	19820177019			Lueck 1997
525	7722.649	19970577130	19810377027	19820177019	20020577138		Lueck 1997
526	12106.585	20020577138					Winham 2002
527	367180.52	19930377129	19930277036				Nepstead- Thornberry et al. 1998
528	46969.178	19970277009					Fischel 1996
529	1778807.414	19930277036					Brodnicki 1993
530	2691.604	20030877120					Finn 2003
531	9801.88	20030877019					Sellers and Ambrosino 2003a
532	9256.538	19810477081	19820177019	19810377027	20000277082		McCully 1981b
533	29354.646	19810477081	19820177019	19810377027	20060577027		McCully 1981b
534	325092.846	19820177019	19810377027	20000277082			Benn and Bettis 1981
535	24132.27	19930377012	19820177019	19810377027			Weitzel 1993; Loss 1994; Hanson 1995
536	8076.902	19930377012	19820177019	19810377027			Weitzel 1993; Loss 1994; Hanson 1995
537	5547.332	19930377012	19820177019	19810377027	20000277082		Weitzel 1993; Loss 1994; Hanson 1995
538	60290.311	19810377027	19820177019	20000277082			Benn and Bettis 1981; Bettis and Benn 1984
539	73756.265	19810377027	19820177019	20000277082			Benn and Bettis 1981; Bettis and Benn 1984
540	90802.654	19810377027	19820177019	20000277082			Benn and Bettis 1981; Bettis and Benn 1984

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
541	107392.87	19810377027	19820177019	20000277082			Benn and Bettis 1981; Bettis and Benn 1984
542	160630.016	19810377027	19820177019	20000277082			Benn and Bettis 1981; Bettis and Benn 1984
543	25068.949	19810377027	19820177019	19880977025	19901077058		Benn and Bettis 1981; Bettis and Benn 1984
544	29604.958	19810377027	19820177019	19880977025	19901077058		Benn and Bettis 1981; Bettis and Benn 1984
545	1970.222	19810377027	19820177019	19880977025	19901077058		Benn and Bettis 1981; Bettis and Benn 1984
546	86573.815	19810377027	19820177019	20000277082			Benn and Bettis 1981; Bettis and Benn 1984
547	152769.19	19810377027	19820177019	20000277082			Benn and Bettis 1981; Bettis and Benn 1984
548	7852.218	19941077058					Stephenson and Newman 2002a; Stephenson and Newman 2002b; Rogers 1994
549	14820.761	19941077058					Stephenson and Newman 2002a; Stephenson and Newman 2002b; Rogers 1994
550	14383.726	19941077058					Stephenson and Newman 2002a; Stephenson and Newman 2002b; Rogers 1994
551	13574.124	19941077058					Stephenson and Newman 2002a; Stephenson and Newman 2002b; Rogers 1994

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
552	9281.786	19941077058					Stephenson and Newman 2002a; Stephenson and Newman 2002b; Rogers 1994
553	8925.619	19941077058					Stephenson and Newman 2002a; Stephenson and Newman 2002b; Rogers 1994
554	7748.162	19941077058					Stephenson and Newman 2002a; Stephenson and Newman 2002b; Rogers 1994
555	12166.535	19941077058					Stephenson and Newman 2002a; Stephenson and Newman 2002b; Rogers 1994
556	8598.219	19941077058					Stephenson and Newman 2002a; Stephenson and Newman 2002b; Rogers 1994
557	15879.59	19941077058					Stephenson and Newman 2002a; Stephenson and Newman 2002b; Rogers 1994
558	3828.848	19980400037	19890677085				Shinn 1998; Johnson et al. 1999
559	59462.615	19890677085					Mehrer and Perry 1989, Perry 1990a
560	734611.519	19890677085					Mehrer and Perry 1989, Perry 1990a
561	10284.037	19800477099					Anonymous 1976; Carr 1980a
562	114769.562	19800477099	19890677085				Anonymous 1976; Carr 1980a

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
563	74403.987	19920377088	19890677085				Perry 1994b; Perry 1995
564	125221.317	19920377088					Perry 1994b; Perry 1995
565	41160.393	19890677085					Mehrer and Perry 1989, Perry 1990a
566	75038.632	19880977025	19901077058				Hannus and Ruple 1988
567	40356.003	19740077101					Weichman 1974
568	7884.9	19740077101	19880977025	19901077058			Weichman 1974
569	259732.069	19740077101					Weichman 1974
570	1544.638	19920277031	20011177047				Thompson 1999; Perry 1992; Perry 1994a
571	6640.484	19920277031				20000277082	Thompson 1999; Perry 1992; Perry 1994a
572	1031.876	19980400037					Shinn 1998; Johnson et al. 1999
573	2326.126	19980400037	20011177047				Shinn 1998; Johnson et al. 1999
574	57422.455	20011177047					Rooney and Gilliland 2002
575	60920.539	20011177047					Rooney and Gilliland 2002
576	1663.971	19980400037					Shinn 1998; Johnson et al. 1999
577	98.183	19980400037					Shinn 1998; Johnson et al. 1999
578	168.064	19980400037	20011177047				Shinn 1998; Johnson et al. 1999
579	3467.555	19980400037					Shinn 1998; Johnson et al. 1999
580	126.165	19980400037	20011177047				Shinn 1998; Johnson et al. 1999
581	2684.179	20011177047					Rooney and Gilliland 2002
582	9960.304	19881177062	20011177047				Kelly 1992
583	356382.399	19881177062					Kelly 1992

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
584	645.392	20011177047					Rooney and Gilliland 2002
585	29531.969	20020377128					Sellers and Ambrosino 2002a
586	4582.364	20030177112					Linderbaum and Blikre 2003
587	133727.402	20010877044					Rogers 2001
588	13152.154	20031277122	19780377020	19870777000			Schoen 2003
589	27034.141	20031277122	19870777000				Schoen 2003
590	253642.105	20000277082					Blikre and Benn 2001
591	122080.835	20030577092					Rogers 2002
592	4492.85	20030577092					Rogers 2002
593	60241.929	19941077058					Stephenson and Newman 2002a; Stephenson and Newman 2002b; Rogers 1994
594	31729.502	19840177619	20050377067	20110477005			Henning 1984; Rogers 2002
595	174401.198	19800177218	19851177075				Anonymous 1985
596	80916.065	19800177218	19851177075				Anonymous 1985
597	10013.797	19980577047				20091277090	Straka 1998b
598	408442.843	20010477091					Peterson and Kelley 2004
599	19429.361	20030477031					Sellers and Ambrosino 2003
600	2081.453	20031077022					Sellers and Ambrosino 2003f
601	5319.268	20031077022					Sellers and Ambrosino 2003f
602	2051.748	20031077022					Sellers and Ambrosino 2003f
603	468492.717	19920777034					Weitzel 1993; Snow 1992
604	221677.465	19920777034					Weitzel 1993; Snow 1992
605	6491.665	20010563020					Anderson and Shah 2001
606	4899.37	20010563020					Anderson and Shah 2001
607	6001.728	20010563020					Anderson and Shah 2001

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
608	1369177.421	19490163000	19730063000				McCusick and Ries 1962; Wheeler 1949
609	70962.454	19860963000					Roper 1986
610	80269.125	19860963000	19490163000	19730063000			Roper 1986
611	37583.249	19490163000	19730063000				McCusick and Ries 1962; Wheeler 1949
612	360507.351	19490163000	19730063000				McCusick and Ries 1962; Wheeler 1949
613	7937.895	20030877077					Sellers and Ambrosino 2003d
614	11597.42	20030877076					Sellers and Ambrosino 2003c
615	22778.309	20021177117					Sellers and Ambrosino 2002b
616	10925.946	20030877072					Sellers and Ambrosino 2003b
617	14532.114	20011177035	20020977107				Weitzel et al. 2001
618	29263.73	20031077020					Sellers and Ambrosino 2003e
619	52491.61	20030625048					Kapler 2002
620	45622.604	19780225335					Walters 1991
621	4607996.893	19870391002					Fabyan 1987; Phillipe and Halpin 1989; Thomas 1989
622	5600.92	19490163000	19730063000	19970800073			McCusick and Ries 1962; Wheeler 1949
623	39147.808	19490163000	19730063000	19970800073			McCusick and Ries 1962; Wheeler 1949
624	22041.921	19970800073					Snyder 1997
625	30424.223	19920277031					Thompson 1999; Perry 1992; Perry 1994a
626	31788.689	19920277031					Thompson 1999; Perry 1992; Perry 1994a
627	11538.449	19920277031					Thompson 1999; Perry 1992; Perry 1994a

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
628	65024.895	19920277031					Thompson 1999; Perry 1992; Perry 1994a
629	4670.624	20011177047	19920277031				Rooney and Gilliland 2002
630	21435.837	20011177047					Rooney and Gilliland 2002
631	4585.886	19920277031					Thompson 1999; Perry 1992; Perry 1994a
632	6476.385	19920277031					Thompson 1999; Perry 1992; Perry 1994a
633	5356.168	19920277031					Thompson 1999; Perry 1992; Perry 1994a
634	5734.76	19920277031					Thompson 1999; Perry 1992; Perry 1994a
635	34366.041	20011177035					Weitzel et al. 2001
636	4815.032	20011177035					Weitzel et al. 2001
637	97954.536	20050250022					Blikre 2005
638	15864.505	19730077000	19980300052				Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986
639	12326.887	19730077000	19980300052				Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986
640	17880.066	19730077000	19980300052				Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986
641	16726.822	19730077000	19980300052				Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
642	27888.657	19730077000	20000300133				Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986
643	80491.791	19730077000	20000300133				Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986
644	22142.56	19730077000	20000300133				Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986
645	26191.126	20050477118					Peterson and Newman 2005
646	12355.449	20050477118					Peterson and Newman 2005
647	33561.472	20050677024					Sellers and Ambrosino 2005b
648	52387.009	19890677085	20041177121				Mehrer and Perry 1989, Perry 1990a
649	51322.695	19890677085	20041177121				Mehrer and Perry 1989, Perry 1990a
650	10700.48	20041177121					Sellers and Ambrosino 2005a
651	3212.071	20001077185	20051077107				Anderson 2001
652	620866.865	20050625073					Thompson 2005
653	47650.43	20050625073					Thompson 2005
654	52775.512	20050625073					Thompson 2005
655	46888.914	19490163000	19730063000	20050177042			McCusick and Ries 1962; Wheeler 1949
656	48083.01	19490163000	19730063000	20050177042			McCusick and Ries 1962; Wheeler 1949
657	844.079	20030977043					Whittaker and Artz 2005
658	52802.889	19980400037					Shinn 1998; Johnson et al. 1999
659	4334.969	19980400037					Shinn 1998; Johnson et al. 1999

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
660	4554815.444	19490163000	19730063000				McCusick and Ries 1962; Wheeler 1949
661	13533107.51	19490163000	19730063000				McCusick and Ries 1962; Wheeler 1949
662	10482216.78	19490163000	19730063000				McCusick and Ries 1962; Wheeler 1949
663	32266247.23	19490163000	19730063000				McCusick and Ries 1962; Wheeler 1949
664	7495.971	19980400037					Shinn 1998; Johnson et al. 1999
665	3042066.795	19890677085					Mehrer and Perry 1989, Perry 1990a
666	566476.867	19890677085					Mehrer and Perry 1989, Perry 1990a
667	1284293.434	20060225020					Sellars and Ambrosino 2005c
668	187006.203	19810377027	19820177019				Benn and Bettis 1981; Bettis and Benn 1984
669	3690844.293	19820177019	19810377027				Benn and Bettis 1981
670	257336.34	20051077107					Rogers 2005
671	6049.192	19820177019	19810377027				Benn and Bettis 1981
672	1372523.182	19820177019	19810377027				Benn and Bettis 1981
673	1838.21	20060491010					Peterson 2006
674	1942.723	20060491010					Peterson 2006
675	1649.899	20031177040					Nansel 2003; Benn 2006
676	337.554	20031177040	19780377020	20050877091			Nansel 2003; Benn 2006
677	23957.829	19880977025	19901077058	20031177040			Hannus and Ruple 1988
678	17806.645	20031177040					Nansel 2003; Benn 2006
679	16882.837	20031177040					Nansel 2003; Benn 2006
680	7495.685	20031177040					Nansel 2003; Benn 2006
681	141759.572	19880977025	19901077058				Hannus and Ruple 1988
682	2906.081	20031177040					Nansel 2003; Benn 2006

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
683	14160.178	20031177040					Nansel 2003; Benn 2006
684	89711.414	20050477119					Peterson et al. 2006
685	54597.343	19820177019	19810377027	20050477119			Benn and Bettis 1981
686	16132.987	19750077001	19810377027	19820177019	20050477119		Weichman et al. 1975
687	1608.653	19820177019	19810377027	20050477119			Benn and Bettis 1981
688	1704.474	19820177019	19810377027	20050477119			Benn and Bettis 1981
689	21522.609	20050477119					Peterson et al. 2006
690	5273.034	20050477119					Peterson et al. 2006
691	1965.994	20060477104					Warner 2006
692	20190.497	20060577106					Collins 2006
693	31909.345	20060577106					Collins 2006
694	39367611.09	19730077000					Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986
695	9210.101	19820177019	19810377027	20060777097			Benn and Bettis 1981
696	1478132.893	19820177019	19810377027				Benn and Bettis 1981
697	2912.759	20060777097					Sellers and Ambrosino 2006
698	949764.322	19810377027	19820177019				Benn and Bettis 1981; Bettis and Benn 1984
699	21737.829	19810377027	19820177019	20060777097			Benn and Bettis 1981; Bettis and Benn 1984
700	10016.511	20060777097					Sellers and Ambrosino 2006
701	1871.225	20051277052					Keen 2006
702	262448.292	19861277039					Merry 1986
703	228690.576	20051025037					Kapler 2005
704	382560.624	20051225013					Hoppin and Stanley 2006
705	21617.95	20051025037	20051225013				Kapler 2005
706	10314848.47	19490163000	19730063000				McCusick and Ries 1962; Wheeler 1949
707	91286.575	20050100105					Holven and Hall 2006

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
708	27769.968	19490163000	19730063000	20050100105			McCusick and Ries 1962; Wheeler 1949
709	21161.387	20050100105					Holven and Hall 2006
710	7474.977	19490163000	19730063000	20050100105			McCusick and Ries 1962; Wheeler 1949
711	70109.906	20060977106					Rogers and Meseke 2006
712	7293.287	20060977106					Rogers and Meseke 2006
713	494.385	19870477007	19850177166	19840477093	19750077001		Hanson 1987a
714	1175.385	19870477007	19850177166	19840477093	19750077001		Hanson 1987a
715	826.691	19850177166	19840477093	19820177019	19810377027		Merry 1984
716	155.683	19850177166	19840477093	19820177019	19810377027		Merry 1984
717	193266.955	19820177019	19810377027	19750077001			Benn and Bettis 1981
718	418.664	19870477007	19850177166	19840477093	20060577027		Hanson 1987a
719	24973.404	19820177019	19810377027	19750077001			Benn and Bettis 1981
720	59764.852	19850177166	19840477093	19820177019	19810377027		Merry 1984
721	37577.106	19850177166	19840477093	19820177019	19810377027		Merry 1984
722	2759.436	19820177019	19810377027	19750077001	20060577027		Benn and Bettis 1981
723	843.176	19850177166	19840477093	19820177019	19810377027		Merry 1984
724	554229.946	19820177019	19810377027	19750077001			Benn and Bettis 1981
725	2243.776	19820177019	19810377027	19750077001	20060577027		Benn and Bettis 1981
726	419.987	19820177019	19810377027	19750077001	20060577027		Benn and Bettis 1981
727	1377.933	19820177019	19810377027	20060577027			Benn and Bettis 1981
728	953030.589	19820177019	19810377027				Benn and Bettis 1981
729	889.626	19820177019	19810377027	20060577027			Benn and Bettis 1981
730	1363.567	19820177019	19810377027	20060577027			Benn and Bettis 1981
731	4595.542	19730077000	20060577027				Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986
732	2768.872	19730077000	20060577027				Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
733	2964.899	19730077000	20060577027				Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986
734	52049110.57	19730077000	0				Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986
735	4835.317	19730077000	20060577027				Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986
736	261.54	19730077000	20060577027				Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986
737	1625.348	19730077000	20060577027				Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986
738	358.373	19730077000	20060577027				Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986
739	1266.673	19730077000	19850577050	20060577027			Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986
740	687.468	19730077000	20060577027				Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986
741	18328.636	19950800080	19730077000				McKonkey 1995
742	5903.758	19730077000	20060577027				Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986
743	5257.048	19950800080	19730077000	20060577027			McKonkey 1995

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
744	214.179	19730077000	20060577027				Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986
745	3362.31	19730077000	20060577027				Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986
746	2101.066	20060577027					Benn 2007
747	1506.493	19730077000	20060577027				Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986
748	4573.779	20060577027					Benn 2007
749	1609.053	20060577027					Benn 2007
750	1510.454	19730077000	20060577027				Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986
751	1380163.646	20010877042	19730077000				Blikre et al. 2001
752	60538.148	20011177047					Rooney and Gilliland 2002
753	208712.404	19860963000	19490163000	19730063000			Roper 1986
754	69423.883	19860963000	19490163000	19730063000			Roper 1986
755	12048319.5	19490163000	19730063000				McCusick and Ries 1962; Wheeler 1949
756	850986.5	19490163000	19730063000				McCusick and Ries 1962; Wheeler 1949
757	655754.242	19490163000	19730063000				McCusick and Ries 1962; Wheeler 1949
758	109504.533	19490163000	19730063000				McCusick and Ries 1962; Wheeler 1949
759	1396528.182	19490163000	19730063000				McCusick and Ries 1962; Wheeler 1949
760	379213.626	19930277036	0				Brodnicki 1993
761	888.294	19970277009	20070577037				Fischel 1996
762	2462.507	20070577037					Peterson and Sorenson 2007
763	7172.148	20070750076					Holven 2007
764	4091.182	19780377020	19870777000	20050877091			Lawrence 1978

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
765	1783.969	20050877091					Whittaker 2007
766	1781.553	19780377020	20050877091				Lawrence 1978
767	2209.306	19870777000	20050877091				Peterson 1994a
768	7393.046	20070677136					Peterson 2007
769	20296.02	19910877048					Hirst 1991
770	20481.898	19910877048	20070677040				Hirst 1991
							Sellers and Ambrosino 2007
771	131900.588	20070677040					Weichman et al. 1974
772	58054.684	19740077010	20071177073				Weichman et al. 1974
773	11144.469	19740077010	20071177073				Nagel 2007
774	111165.322	20071177073					Sorenson 2007
775	502.144	20071177012					McNerney et al. 2000; McNerney 2001
776	1995.532	20000800022					McNerney et al. 2000; McNerney 2001
777	1629.777	20000800022	20031177040				Nansel 2003; Benn 2006
778	4335.587	20031177040					Nansel 2003; Benn 2006
779	25187.185	20031177040					Kelly 2008
780	1775.294	20080177050					Lawrence 1978
781	4338.525	19780377020	20050877091				Lawrence 1978
782	10144.018	19780377020	20050877091				Anonymous 1985
783	2877.394	19800177218	19851177075	20050877091			Whittaker 2007
784	2125.526	20050877091					Lawrence 1978
785	38119.952	19780377020					Lawrence 1978
786	24093.607	19780377020	20050877091				Anonymous 1985
787	2717.408	19800177218	19851177075				Anonymous 1985
788	6627.649	19800177218	19851177075	20050877091			Whittaker 2007
789	31073.902	20050877091					Whittaker 2007
790	21810.405	20050877091					Whittaker 2007
791	551876.393	20050877091					Hannus and Ruple 1988
792	35567.829	19880977025	19901077058	20081077099			Hannus and Ruple 1988
793	34955.404	19880977025	19901077058				Peterson and Kelley 2004
794	15602.262	20010477091	20050877091				Whittaker 2007
795	119896.853	20050877091					Hannus and Ruple 1988
796	3601.683	19880977025	19901077058	20050877091	20081077099		Sellers 1999
797	5891.106	19990577012					

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
798	1505.422	19880977025	19901077058	20050877091			Hannus and Ruple 1988
799	27029.973	20050877091					Whittaker 2007
800	46577.553	19990577012	20050877091				Sellars 1999
801	60310.807	20050877091					Whittaker 2007
802	3261.387	19881177007	19890677085				Hanson 1988b
803	10028.844	19890677085	20050877091				Mehrer and Perry 1989, Perry 1990a
804	12578.122	19881177007	19890677085				Hanson 1988b
805	4137.906	19920277031	20050877091				Thompson 1999; Perry 1992; Perry 1994a
806	967.095	19920277031	20050877091				Thompson 1999; Perry 1992; Perry 1994a
807	1053.359	19920277031	20050877091				Thompson 1999; Perry 1992; Perry 1994a
808	1498.594	19920277031	20050877091				Thompson 1999; Perry 1992; Perry 1994a
809	965.924	20011177047	19920277031	20050877091			Rooney and Gilliland 2002
810	1493.379	20050877091					Whittaker 2007
811	707.048	20050877091					Whittaker 2007
812	795.882	20011177047	20050877091				Rooney and Gilliland 2002
813	4635.547	19920277031	20050877091				Thompson 1999; Perry 1992; Perry 1994a
814	3833.493	19890677085	20050877091				Mehrer and Perry 1989, Perry 1990a
815	1601.109	19980400037	19890677085				Shinn 1998; Johnson et al. 1999
816	57493.41	19890677085					Mehrer and Perry 1989, Perry 1990a
817	1442.58	19980400037	19890677085	20050877091			Shinn 1998; Johnson et al. 1999
818	17007.791	19890677085	20050877091				Mehrer and Perry 1989, Perry 1990a
819	1195.857	20080750086					Sorenson 2008
820	1669.283	19490163000	19730063000				McCusick and Ries 1962; Wheeler 1949

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
821	13477.092	20050100105					Holven and Hall 2006
822	3981.376	19490163000	19730063000	20050100105			McCusick and Ries 1962; Wheeler 1949
823	1044.641	19861000052	20050100105				Collins 1988; Collins 1994; Anderson 1994
824	78141.296	20050100105					Holven and Hall 2006
825	8744.88	20050100105					Holven and Hall 2006
826	14423.715	19730077000	20080877051				Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986
827	6644.936	20071277025					Sellers and Ambrosino 2008a
828	198809.21	20080825131					Scott 2008
829	51436.029	19880977025	19901077058	20081077099			Hannus and Ruple 1988
830	18573.275	19880977025	19901077058				Hannus and Ruple 1988
831	5869.367	20081077099					Finn 2008; Collins et al. 2010
832	7660.996	19940877047				19750077001	Titus 1994
833	6732.295	19940877047	20081077099			19820177019	Titus 1994
834	14864.755	19940877047	19740077101			19820177019	Titus 1994
835	19787.281	20081077099					Finn 2008; Collins et al. 2010
836	1493.798	19740077101					Weichman 1974
837	9940.856	19940877047	19740077101	20081077099			Titus 1994
838	1023.704	19740077101	19880977025	19901077058			Weichman 1974
839	4767.617	19740077101	20081077099				Weichman 1974
840	977.467	19740077101	19880977025	19901077058	20081077099		Weichman 1974
841	2439.81	19740077101	20081077099				Weichman 1974
842	20544.896	20081177012					Morrow 2008
843	387847.187	20080577046					Sellers and Ambrosino 2008b
844	131433.899	20090225119					Blikre and Scott 2008
845	11243.37	20020677010					Stephenson 2002

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
846	161.424	20020677010					Stephenson 2002
847	6816.281	19740077101	20090577117				Weichman 1974
848	31816.309	19880977025	19901077058				Hannus and Ruple 1988
849	6032.178	19740077101					Weichman 1974
850	892.463	19880977025	19901077058	20090577117			Hannus and Ruple 1988
851	218.835	20090577117					Dolan 2009
852	2299.776	20090577117					Dolan 2009
853	6914.708	20090677111					Lueck 2009
854	6793.203	20090591015					Nansel 2009; Whittaker 2009
855	239.541	19861000052	20090591015				Collins 1988; Collins 1994; Anderson 1994
856	2694.327	20031177040					Nansel 2003; Benn 2006
857	304.481	19870777000	20031177040				Peterson 1994a
858	17977.037	20000377008					Harvey and Kolb 2004
859	116669.067	20090777023					Morrow and Huerter 2009
860	53358.914	19830277281				19820177019	Carr 1980b; Till and Hotopp 1985; Johnson and Birk 1984; Hudson 1983a; Carr 1980c
861	59359.908	19830277281				19750077001	Carr 1980b; Till and Hotopp 1985; Johnson and Birk 1984; Hudson 1983a; Carr 1980c
862	3080.581	19830277281	20090777023				Carr 1980b; Till and Hotopp 1985; Johnson and Birk 1984; Hudson 1983a; Carr 1980c
863	32373.651	20090777023					Morrow and Huerter 2009
864	31374.448	19830277281					Carr 1980b; Till and Hotopp 1985; Johnson and Birk 1984; Hudson 1983a; Carr 1980c

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
865	5881.364	19830277281	20090777023				Carr 1980b; Till and Hotopp 1985; Johnson and Birk 1984; Hudson 1983a; Carr 1980c
866	14281.346	20090777023					Morrow and Huerter 2009
867	25462.871	20090777023					Morrow and Huerter 2009
868	20906.959	19830277281	20090777023				Carr 1980b; Till and Hotopp 1985; Johnson and Birk 1984; Hudson 1983a; Carr 1980c
869	5460.868	19830277281	20090777023				Carr 1980b; Till and Hotopp 1985; Johnson and Birk 1984; Hudson 1983a; Carr 1980c
870	68859.707	19880977025	19901077058				Hannus and Ruple 1988
871	65588.942	20090777023					Morrow and Huerter 2009
872	42538.799	20090777023					Morrow and Huerter 2009
873	8360.028	19880977025	19901077058	20090777023			Hannus and Ruple 1988
874	522.109	19830277281					Carr 1980b; Till and Hotopp 1985; Johnson and Birk 1984; Hudson 1983a; Carr 1980c
875	731.763	19830277281	20090977134				Carr 1980b; Till and Hotopp 1985; Johnson and Birk 1984; Hudson 1983a; Carr 1980c
876	217.829	19850177166	19840477093	19820177019	19810377027		Merry 1984
877	6022.156	20090977134					Nagel and Rogers 2009
878	691117.965	20090800094					Butler 2009
879	535856.075	20090800094					Butler 2009
880	18524.646	19930977112					Peterson 1993; Shoen and Holt 1998
881	31456.514	19780377020					Lawrence 1978
882	1784.287	19780377020	20091177111				Lawrence 1978
883	40176.323	20091177111					Morrow 2009

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
884	2151.677	19930977112	20091177111				Peterson 1993; Shoen and Holt 1998
885	2090.593	20091177111					Morrow 2009
886	96501.653	20091177111					Morrow 2009
887	6163.295	20091277004					Dickson 2009
888	20037.802	19890677085					Mehrer and Perry 1989, Perry 1990a
889	3303.965	20091277078					McGowan and Sills 2009
890	448.565	19740077010	20080877062				Weichman et al. 1974
891	4024.134	19870777000	20091077050				Peterson 1994a
892	1122.915	19870777000	19880977025	20091077050			Peterson 1994a
893	13184.748	20100177092					Meseke and Rogers 2009
894	13731.633	20100177092					Meseke and Rogers 2009
895	64544.404	19870477001	20000377008				Thompson 1987
896	4377.054	19900777099	20000377008				Deiss 1990
897	31698.94	20000377008					Harvey and Kolb 2004
898	59933.384	20050477119	20070477048				Peterson et al. 2006
899	6363.785	19750077001	19810377027	19820177019	20070477048		Weichman et al. 1975
900	222593.945	20070477048					Rogers 2007
901	3073.092	20100177092					Meseke and Rogers 2009
902	20717.357	20070477048					Rogers 2007
903	31598.388	20070477048					Rogers 2007
904	8362.449	20100177092	20070477048				Meseke and Rogers 2009
905	1536.542	20090777023	20070477048				Morrow and Huerter 2009
906	382.119	20070477048					Rogers 2007
907	6933.742	19890677085					Mehrer and Perry 1989, Perry 1990a
908	39475.662	20100891220					Morrow 2010
909	45060.957	20100891220					Morrow 2010
910	40727.752	20100891220					Morrow 2010
911	1421.103	19880977025	19901077058				Hannus and Ruple 1988
912	2566.928	19880977025	19901077058	20100977149			Hannus and Ruple 1988
913	448.774	20100977149					Dickson 2010
914	1050.947	20100977149					Dickson 2010
915	13973.222	20100600035					Morrow et al. 2009

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
916	4806.002	20090800094					Butler 2009
917	301.706	20090800094					Butler 2009
918	14997.134	20110377056					Unknown
919	8739.645	20110477154	20141077131				Martin 2011
920	2255.356	19880500054	20110477154				Rogers 1991; Rogers 1993
921	8332.355	20110477154					Martin 2011
922	12385.475	19740077010	20110477154				Weichman et al. 1974
923	6110.425	19870777000					Peterson 1994a
924	2766.657	19870777000	20091277090				Peterson 1994a
925	1385.021	19870777000	20010577010	20010577018	20030377063		Peterson 1994a
926	2710.874	20091277090					Unknown
927	882.972	19930777006					Marcucci and Morrow 1993a; Marcucci and Morrow 1993b
928	1070.05	19930777006	20110777108				Marcucci and Morrow 1993a; Marcucci and Morrow 1993b
929	656.253	19980400037					Shinn 1998; Johnson et al. 1999
930	53.109	19980400037	20110777108				Shinn 1998; Johnson et al. 1999
931	19284.501	20110777108					Bilkre 2011a
932	629.082	20110777108					Bilkre 2011a
933	3302732.804	20110725135					Sellers and Ambrosino 2009
934	79054.319	20110877089					Bilkre 2011b
935	2495.061	19910177118	20110877089				Peterson 1994b; Finney and Snow 1991
936	470568.842	20110877089					Bilkre 2011b
937	49432.905	19740077010	20110977044				Weichman et al. 1974
938	14069.487	19840477061	19740077010				Thompson and Bettis 1984; Thompson 1983
939	23177.687	19840477061	19740077010	20110977044			Thompson and Bettis 1984; Thompson 1983
940	689205.406	19740077010					Weichman et al. 1974
941	6873.58	19740077010					Weichman et al. 1974

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
942	5147.402	19740077010	20110977044				Weichman et al. 1974
943	33726.011	20110977044					Morrow 2012
944	7403.801	20111000149					Butler 2012
945	20966.82	20110377055					Sellers and Ambrosino 2011
946	312779.254	20050625073					Thompson 2005
947	8400.01	19810477158	20120177001				Reed 1981
948	16502.047	20120177001					Hedden 2011
949	24504.502	19730077000	20111177025				Osborn and Gradwohl 1981; Osborn and Gradwohl 1980; Benn 1986
950	15497.82	20120877052					Sellers and Ambrosino 2012
951	20499.03	20120877052					Sellers and Ambrosino 2012
952	4750.202	19870777000	20120877006				Peterson 1994a
953	11970.971	19820177019	19810377027	20120277190			Benn and Bettis 1981
954	1091.439	20130477111					Prchal 2013
955	203350.3	20130625006					Benn 2013
956	1487.878	20090591015	20130691063				Nansel 2009; Whittaker 2009
957	191780.344	20130691063					Morrow et al. 2013
958	33894.657	20130691063					Morrow et al. 2013
959	1371.206	20001191069	20130691063				Rogers 1999b
960	27657.391	20130691063					Morrow et al. 2013
961	7596.924	19490163000	19730063000	20050177042			McCusick and Ries 1962; Wheeler 1949
962	5359.931	20131077088					Unknown
963	1031.186	19840477200	19870977151	20140177007			Schnerre 1984
964	760.03	19990477068					Unknown
965	4347.287	20140477064					Whittaker 2014
966	1543.661	20131077088	20140277053				Unknown
967	24313.499	20140277053					Unknown
968	15561.524	20140277053					Unknown
969	3186.024	20140277053					Unknown
970	28996.807	20140277053					Unknown
971	5352.725	20110877089	20140277053				Bilkre 2011b
972	10478.69	20140277053					Unknown
973	1443.888	20090225119					Blikre and Scott 2008

Table 3. Prior Archaeological Investigations in the Study Area (continued).

GIS ID	Area (m2)	R&C1	R&C2	R&C3	R&C4	R&C5	Selected Citation(s)
974	1213.964	20080825131	20141025004				Scott 2008
975	36849.421	20090225119	20141025004				Blikre and Scott 2008
976	31004.537	20141025004					Unknown
977	1107.911	20060225020	20141025004				Sellars and Ambrosino 2005c
978	1627.764	20141025004					Unknown
979	6540.612	20141025004					Unknown
980	6649.95	19920777034	20140800070				Weitzel 1993; Snow 1992
981	11354.07	19991277085	20140800070				Rogers 1999a
982	142729.697	20140800070					Unknown
983	688.873	20110477154					Martin 2011
984	89348.768	20141077131					Unknown
985	2550.18	20000800022					McNerney et al. 2000; McNerney 2001
986	8554.523	20000800022	20141077131				McNerney et al. 2000; McNerney 2001
987	17406.367	20141077131					Unknown
988	16165.783	20141077131	20141077191				Unknown
989	66777.936	20141077191					Unknown

Table 4. Previously Recorded Sites in the Study Area.

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13BN8	528.22	Prehistoric Scatter	Projectile Points, Flakes, Microdebitage, Historic, Pottery, Ground Stone Tools, Pecked Stone Tools	Gradwohl 1976; Brown 1966	Woodland	No	No Recommendation
13BN9	294.43	Prehistoric Scatter, Abandoned Town	Debitage, Bone, Ceramic, Pottery, Pecked or Ground Stone	Brown 1966; Gradwohl 1976	Woodland, Euro-American	No	Not Eligible
13BN11	209.34	Prehistoric Scatter, Abandoned Town	Debitage, Ground/ Pecked Stone, Bone, Ceramic, Container Glass, Metal, Pottery, Projectile Points, Chipped Stone Tools	Brown 1966; Gradwohl 1975	Woodland, Euro-American	No	Not Eligible
13BN12	416.70	Prehistoric Scatter, Abandoned Town	Projectile Points, Ceramics, Container Glass, Metal, Other Glass	Brown 1966; Gradwohl 1976	Woodland, Euro-American	No	Not Eligible
13BN50	1004.56	Prehistoric Scatter	Projectile Points, Debitage, Chipped Stone Tools	Alton 1980	Woodland	Yes	No Recommendation
13BN76	1623.70	Lithic Scatter	Lithic Debitage	Pulcher 1990	Prehistoric	Yes	No Recommendation
13BN108	30.60	Lithic Scatter, Historic Scatter	Ceramic, Masonry, Metal, Stone Debitage, Chipped Stone Tools, Window Glass	Gradwohl 1976	Prehistoric, Euro-American	No	No Recommendation
13BN112	72.66	Prehistoric Scatter, Abandoned Town	Bone, Ceramic, Container Glass, Other Glass, Masonry, Metal, Pottery, Projectile Points, Shell, Stone Debitage, Cores, Chipped Stone Tools, Ground or Pect Stone	Gradwohl 1975	Woodland, Euro-American	No	No Recommendation
13BN144	963.37	Lithic Scatter	Stone Debitage, Chipped Stone Tools	Gradwohl 1975	Prehistoric	No	No Recommendation
13BN145	919.80	Lithic Scatter	Stone Debitage, Chipped Stone Tools	Gradwohl 1976	Prehistoric	No	No Recommendation
13BN147	123.59	Lithic Scatter	Projectile Points, Shell, Stone Debitage, Cores, Chipped Stone Tools, Pottery	Gradwohl 1976	Woodland	No	No Recommendation
13BN148	311.25	Prehistoric Scatter	Pottery, Shell, Stone Debitage, Chipped Stone Tools	Gradwohl 1976	Late Prehistoric, Woodland	No	No Recommendation
13BN149	458.16	Historic Cemetery	Historic	Gradwohl 1975	Euro-American	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13BN150	654.69	Prehistoric Scatter	Stone Debitage, Chipped Stone Tools	Gradwohl 1975	Archaic, Early Woodland	No	No Recommendation
13BN151	957.03	Lithic Scatter, Prehistoric Scatter	stone Debitage, Chipped Stone Tools, Projectile Points	Gradwohl 1976	Archaic, Early Woodland	No	No Recommendation
13BN152	1443.42	Prehistoric Scatter	Pottery, Projectile Points, Cores, Chipped Tools, Stone Debitage	Gradwohl 1976	Woodland	No	No Recommendation
13BN204	69.01	Historic Scatter, Open Habitation, Lithic Scatter, Historic Scatter	Chipped Stone Tools, Stone Debitage, Projectile Points, Metal, Bone	Brown, 1966; Gradwohl 1976	Prehistoric, Euro-American	No	No Recommendation
13BN249	1481.02	Prehistoric Scatter	Projectile Points, Stone Debitage, Chipped Stone Tools	Benn 1985; Benn 1986	Prehistoric	No	No Recommendation
13BN250	1435.02	Prehistoric Scatter	Pottery, Stone Debitage, Chipped Stone Tools	Benn 1985; Benn 1986	Prehistoric	No	No Recommendation
13BN251	1208.96	Historic Scatter, Open Habitation	Ceramic, Glass, Pottery, Stone Debitage	Benn 1985; Benn 1986	Woodland, Euro-American	No	No Recommendation
13BN259	1250.20	Prehistoric Scatter	Projectile Points, Stone Debitage, Chipped Stone Tools	Benn 1985; Benn 1986	Prehistoric	No	No Recommendation
13BN274	248.46	Prehistoric Scatter, Historic Scatter	FCR, Stone Debitage	Benn 1985; Stanley 1986	Prehistoric, Euro-American	No	No Recommendation
13BN275	169.50	Prehistoric Scatter, Historic Scatter	FCR, Masonry, Stone Debitage	Benn 1984	Prehistoric, Euro-American	No	No Recommendation
13BN396/DA156	92.78	Open Habitation	Pottery, Projectile Points, Stone Debitage, Chipped Stone Tools	Unknown, ISU Arch Lab 1978	Prehistoric, Archaic, Woodland	Yes	No Recommendation
13BN467	1315.16	Mounds	none	Wirth 2002	Prehistoric		No Recommendation
13DA4	1095.77	Prehistoric Scatter	Projectile Point, Stone Debitage	Brown 1966; Gradwohl 1973	Late Prehistoric, Historic Indian	No	No Recommendation
13DA5	26.38	Prehistoric Scatter, Lithic Scatter	Projectile Points, Stone Debitage, Cores, Chipped Stone Tools, FCR	Ashworth 1964; Brown 1966; Gradwohl 1973; Gradwohl & Osborn 1975; Stanley 1989	Archaic	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13DA6	258.77	Historic Scatter, Prehistoric Scatter, Industrial	Bone, Ceramic, Metal, Glass, Projectile Points, Cores, Stone Debitage, Chipped Stone Tools, Pecked or Ground Stone	Ashworth 1964; Brown 1966; Gradwohl 1973; Gradwohl & Osborn 1975; Stanley 1989	Woodland, Late Woodland.Historic Indian, Euro-American	No	No Recommendation
13DA7	114.44	Mounds	Shell, Chipped Stone Tools	Brown 1966;	Middle Woodland	No	No Recommendation
13DA9	0.00	Prehistoric Scatter, Lithic Scatter	Stone Debitage, Shell, Cores, Stone Debitage, Chipped Stone Tools, Projectile Points, Pottery	Brown 1966;	Prehistoric, Woodland	No	No Recommendation
13DA12	809.12	Open Habitation	Bone, Pottery, Stone Debitage, Chipped Stone	Till 1977	Late Prehistoric	No	Potentially Eligible
13DA13	753.38	Open Habitation	Pottery, Stone Debitage	Till 1977	Prehistoric	No	No Recommendation
13DA14	550.68	Prehistoric Scatter	Pottery, Stone Debitage	Till 1977	Woodland	No	No Recommendation
13DA15	671.11	Open Habitation	Pottery, Chipped Stone, Stone Debitage	Till 1977	Woodland	No	No Recommendation
13DA16	984.89	Open Habitation	Stone Debitage, Chipped Stone Tools	Till 1977	Prehistoric	No	No Recommendation
13DA17	1186.33	Open Habitation	Stone Debitage	Till 1977	Prehistoric	No	No Recommendation
13DA23	949.13	Prehistoric Scatter	Pottery, Chipped Stone Tools, Cores, Stone Debitage	Till et al. 1979; Stemper 1996	Woodland	No	No Recommendation
13DA24	1106.35	Prehistoric Scatter	Cores, Stone Debitage, Chipped Stone Tools	Till et al. 1979; Hengesteg 2001	Prehistoric, Woodland	No	Not Eligible
13DA25	1185.18	Open Habitation	Pottery, Chipped Stone Tools, Cores, Stone Debitage	Till et al. 1979	Late Prehistoric	No	No Recommendation
13DA39	1317.46	Non Cultural	Bone	Simpson 1987	Non-Archaeological	Yes	No Recommendation
13DA40	1399.05	Prehistoric Scatter	Ceramic, Introduced Rock, Pottery, Projectile Points, Chipped Stone Tools	Perry 1988	Prehistoric	No	No Recommendation
13DA41	1479.47	Prehistoric Scatter	Bone, Pottery, Stone Debitage	Perry 1988	Prehistoric	No	No Recommendation
13DA62	1618.58	Prehistoric Scatter	FCR, Stone Debitage, Pottery, Chipped Stone Tools, Ground or Pecked Stone	Marcucci & Rogers 1990; Finney et al. 1994	Prehistoric	No	No Recommendation
13DA68	129.60	Mounds	N/A	Meske et al. 2001	Prehistoric	No	No Recommendation
13DA97	135.78	Historic Scatter	Ceramic, Glass	Finney et al. 1994	Euro-American	No	Not Eligible

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13DA98	99.35	Open Habitation	Projectile Points, Stone Debitage	Finney et al. 1994	Prehistoric	No	Not Determined
13DA101	882.37	Open Habitation	Charcoal, Pottery	Gradwohl 1973; Gradwohl 1976	Woodland	No	No Recommendation
13DA102	1026.32	Prehistoric Scatter	Bone	Gradwohl 1973; Gradwohl 1976	Prehistoric	No	No Recommendation
13DA103	1197.78	Prehistoric Scatter	Bone	Gradwohl 1973; Gradwohl 1976; Gradwohl 1975	Prehistoric	No	No Recommendation
13DA127	303.93	Open Habitation	Stone Debitage, Chipped Stone Tools	Gradwohl 1973; Gradwohl 1975	Prehistoric	No	No Recommendation
13DA128	1016.88	Historic Scatter	Ceramic, Glass, Projectile Points, Chipped Stone Tools, Stone Debitage	Gradwohl 1973; Gradwohl 1975	Woodland, Euro-American	No	No Recommendation
13DA129	762.47	Historic Scatter, Prehistoric Scatter	Bone, Ceramic, Glass, Projectile Points, Shell, Stone Debitage	Gradwohl 1973; Gradwohl 1975	Prehistoric, Euro-American	No	No Recommendation
13DA130	69.77	Open Habitation, Prehistoric Scatter	Ceramic, Cores, Stone Debitage, Chipped Stone Tools	Gradwohl & Osborn 1975	Prehistoric	No	No Recommendation
13DA131	226.31	Open Habitation	Projectile Points, Stone Debitage, Chipped Stone Tools	Gradwohl & Osborn 1975	Woodland	No	Reccomended Eligible
13DA133/P K730	0.00	Prehistoric Scatter, Historic Scatter	Bone, Stone Debitage, Chipped Stone Tools	Gradwohl & Osborn 1975	Euro-American, Prehistoric	No	No Recommendation
13DA134	318.54	Open Habitation	Projectile Points, Cores, Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975	Prehistoric	No	No Recommendation
13DA135	195.09	Open Habitation	Bone, Ground or Pecked Stone, Stone Debitage, Chipped Stone Tools,	Gradwohl & Osborn 1975	Prehistoric	No	No Recommendation
13DA136	108.86	Open Habitation	Introduced Rock, Projectile Points, Stone Debitage, Chipped Stone Tools	Gradwohl & Osborn 1975	Woodland	No	No Recommendation
13DA137	566.07	Prehistoric Scatter	Projectile Points, Stone Debitage, Chipped Stone Tools	Gradwohl & Osborn 1975	Archaic, Early Woodland, Middle Woodland, Late Woodland, Late Prehistoric	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13DA139	0.00	Prehistoric Scatter	Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975	Prehistoric	No	No Recommendation
13DA140	686.63	Open Habitation	Ceramic, Stone Debitage, Chipped Stone Tools	Gradwohl & Osborn 1975	Prehistoric	No	No Recommendation
13DA141	1729.54	Open Habitation	Projectile Points, Stone Debitage, Chipped Stone Tools	Gradwohl & Osborn 1975	Prehistoric	No	No Recommendation
13DA142	66.73	Open Habitation	Pottery, Stone Debitage, Chipped Stone Tools	Gradwohl & Osborn 1975	Woodland	No	No Recommendation
13DA143	824.42	Open Habitation	Stone Debitage, Chipped Stone Tools	Gradwohl & Osborn 1975	Prehistoric	No	No Recommendation
13DA144	1016.71	Open Habitation	Stone Debitage, Chipped Stone Tools	Gradwohl & Osborn 1975	Prehistoric	No	No Recommendation
13DA145	39.26	Open Habitation, Historic Scatter, Prehistoric Scatter	Pottery, Stone Debitage, Chipped Stone Tools, FCR, Historic	Gradwohl & Osborn 1975; Stanley 1989	Woodland, Euro-American, Prehistoric	No	No Recommendation
13DA146	237.92	Open Habitation, Historic Scatter	Metal, Glass, Cores, Stone Debitage, Chipped Stone Tools	Gradwohl & Osborn 1975; Stanley 1989	Prehistoric, Euro-American	No	No Recommendation
13DA147	312.11	Open Habitation	Projectile Points, Stone Debitage	Gradwohl & Osborn 1975	Woodland	No	No Recommendation
13DA148	587.44	Open Habitation	Projectile Points, Stone Debitage, Chipped Stone Tools	Gradwohl & Osborn 1975	Prehistoric	No	No Recommendation
13DA149	763.97	Open Habitation	Projectile Points, Cores, Stone Debitage, Chipped Stone Tools	Gradwohl & Osborn 1975	Woodland	No	No Recommendation
13DA150	732.47	Open Habitation	Projectile Points, Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975	Woodland	No	No Recommendation
13DA151	913.70	Open Habitation	Projectile Point, Cores, Stone Debitage, Chipped Stone Tools	Gradwohl & Osborn 1975	Woodland	No	No Recommendation
13DA152	702.84	Open Habitation	Projectile Points, Stone Debitage	Gradwohl & Osborn 1975	Woodland	No	No Recommendation
13DA153	158.32	Open Habitation	Stone Debitage	Benn & Rogers 1985	Prehistoric	No	No Recommendation
13DA154	303.57	Open Habitation	Stone Debitage, Chipped Stone Tools	Benn & Rogers 1985	Prehistoric	No	No Recommendation
13DA155	91.61	Open Habitation	Stone Debitage, Chipped Stone Tools	Benn & Rogers 1985	Prehistoric	No	No Recommendation
13DA156/ BN396	20.70	Open Habitation	Pottery, Projectile Points, Stone Debitage, Chipped Stone Tools	Benn & Rogers 1985	Archaic, Woodland	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13DA157	352.53	Open Habitation	Historic, Introduced Rock, Stone Debitage, Chipped Stone Tools	Benn & Rogers 1985	Prehistoric	No	No Recommendation
13DA158	112.88	Open Habitation	Historic, Introduced Rock, Stone Debitage	Benn & Rogers 1985	Prehistoric	No	No Recommendation
13DA159	155.33	Open Habitation	Stone Debitage, Chipped Stone Tools	Benn & Rogers 1985	Prehistoric	No	No Recommendation
13DA160	141.00	Open Habitation, Prehistoric Scatter	Projectile Points, Cores, Stone Debitage, Chipped Stone Tools, Pottery,	Emerseon 1983	Prehistoric, Late Woodland	No	No Recommendation
13DA161	176.13	Historic Scatter, Prehistoric Scatter	Ceramic, Historic, Pottery, Projectile Points, Cores, Stone Debitage, Chipped Stone Tools,	Emerseon 1983	Late Woodland	No	No Recommendation
13DA162	384.74	Open Habitation, Prehistoric Scatter, Historic Scatter	Ceramic, FCR, Pottery, Stone Debitage, Chipped Stone Tools, Ground or Pecked Stone, Bone, Masonry, Glass, Metal, Projectile Points	Benn 1985; Snow 1992	Prehistoric	No	Recommended Eligible
13DA163	479.39	Historic Scatter, Industrial, Prehistoric Scatter	Pottery, Projectile Points, Cores, Stone Debitage, Chipped Stone Tools, Ground or Pecked Stone, Bone, Ceramic, Glass, FCR, Metal	Benn 1985; Snow 1992	Woodland, Prehistoric, Euro-American,	No	Recommended Eligible
13DA165	115.67	Mounds	none	Sellars 2003	Woodland	No	Potentially Eligible
13DA172	967.19	Historic Farm/Residence	Glass, Masonry, Metal	Finn 2004	Euro-American	No	Not Eligible
13DA180	620.46	Prehistoric Scatter, Open Habitation	Stone Debitage, FCR, Ground or Pecked Stone, Cores, Chipped Stone Tools, Projectile Points, Bone, Charcoal	Thompson 2005; Thomson 2006	Prehistoric, Late Woodland, Late Archaic	No	Eligible
13DA181	436.36	Prehistoric Scatter	Cores, FCR, Stone Debitage, Ground or Pecked Stone	Thompson 2005	Prehistoric	No	Not Eligible
13DA185	1903.49	Isolated Burials	Glass, Metal, Wood, Ceramic, Historic	Sellars 2005; Peterson 2006; Schermer et al. 2006	Euro-American	No	Not Eligible
13DA186	984.45	Resource Procurement	Chipped Stone Tools, Stone Debitage	Hoppin & Stanley 2006	Prehistoric	No	Not Eligible

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13DA188	1066.65	Resource Procurement	Ground or Pecked Stone, Introduced Rock	Hoppin & Stanley 2006	Prehistoric	No	Not Eligible
13DA189	1202.27	Prehistoric Scatter	Stone Debitage, FCR, Introduced Rock	Hoppin & Stanley 2006	Prehistoric	No	Not Eligible
13DA190	1112.10	Open Habitation	Stone Debitage, FCR	Hoppin & Stanley 2006	Prehistoric	No	Potentially Eligible
13DA191	793.72	Prehistoric Scatter	Stone Debitage, FCR	Hoppin & Stanley 2006	Prehistoric	No	Not Eligible
13DA192	1053.31	Open Habitation	Pottery, Stone Debitage, FCR	Hoppin & Stanley 2006	Prehistoric	No	Not Eligible
13DA193	1170.28	Open Habitation	Chipped Stone Tools, FCR, Introduced Rock	Hoppin & Stanley 2006	Prehistoric	No	Not Eligible
13DA202	821.13	Historic Farm/Residence	Ceramic, Glass, Metal	Finney & Logan 1994; Finney et al. 1994	Euro-American	No	Not Determined
13DA207	108.52	Historic Scatter	Ceramic, Metal, Glass	Finney & Logan 1994; Finney et al. 1994	Euro-American	No	Not Eligible
13DA208	277.68	Historic Scatter	Ceramic, Glass	Finney & Logan 1994; Finney et al. 1994	Euro-American	No	Not Eligible
13DA209	79.74	Prehistoric Scatter	Pottery, Stone Debitage	Finney & Logan 1994; Finney et al. 1994	Prehistoric	No	Not Determined
13DA260	705.35	Historic Farm/Residence	Ceramic, Glass, Metal	Finney & Logan 1994; Finney et al. 1994	Euro-American	No	Not Eligible
13DA261	726.58	Historic Scatter	Ceramic, Glass	Finney & Logan 1994; Finney et al. 1994	Euro-American	No	Not Eligible
13DA267	396.47	Prehistoric Scatter	Bone, Introduced Rock, Stone Debitage	Finney & Logan 1994; Finney et al. 1994	Prehistoric	No	Not Eligible
13DA268	942.18	Prehistoric Scatter	Stone Debitage	Finney & Logan 1994; Finney et al. 1994	Prehistoric	No	No Recommendation
13DA280	1834.83	Historic Scatter	Ceramic, Glass, Historic	Finney & Logan 1994; Finney et al. 1994	Euro-American	No	Not Eligible

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13DA286	199.48	Industrial	Masonry, Historic	Finney & Logan 1994; Finney et al. 1994; Stemper 1996	Euro-American	No	Recommended Eligible
13DA287	208.52	Industrial	Glass, Masonry, Metal	Finney & Logan 1994; Finney et al. 1994; Stemper 1996	Euro-American	No	Not Determined
13DA334	807.03	Historic Scatter	Ceramic, Glass, Masonry	Rogers 1999	Euro-American	No	Not Eligible
13DA347	166.30	Historic Scatter, Structure/Building Remains	Ceramic, Glass, Metal, Historic, Wood	Meseke 2001	Euro-American	No	Not Determined
13DA351	847.99	Prehistoric Scatter	Stone Debitage	Sellars 2011	Prehistoric	Yes	Not Evaluated
13DA352	590.16	Prehistoric Scatter	Chipped Stone Tools, Stone Debitage, FCR	Sellars 2011	Prehistoric	Yes	Not Eligible
13DA362	882.62	Mounds	none	Sellars 2011	Prehistoric		Potentially Eligible
13DA369	1654.76	Historic Farm/Residence	none	Resnick 2009	Euro-American	Yes	No Recommendation
13DA375	62.86	Open Habitation	Chipped Stone Tools, Ground or Pecked Stone, Cores, FCR, Bone, Hematite, Metal, Introduced Rock	Thompson 2012	Prehistoric	No	Potentially Eligible
13DA381	1150.70	Structure/Building Remains	Glass, Masonry	Scott 2014	Euro-American	Yes	Not Eligible
13DA386	1670.80	School	Bone, Charcoal, Wood, Ceramic, Glass, Metal, Masonry, Historic	Rogers 2014	Euro-American	Yes	Potentially Eligible
13DA387	1373.76	Open Habitation	Stone Debitage, FCR, Burned Earth, Bone, Charcoal, Ground or Pecked Stone	Rogers 2014	Early Archaic, Middle Archaic, Woodland	Yes	Potentially Eligible
13DA388	1468.34	Prehistoric Scatter, Historic Scatter	Bone, Floral Remains, Metal, Chipped Stone Tools, Metal	Rogers 2014	Euro-American, Prehistoric	Yes	Potentially Eligible
13DA389	1331.86	Prehistoric Scatter	Stone Debitage	Rogers 2014	Prehistoric	Yes	Not Eligible

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13DA423	412.99	Abandoned Town, Road/Trail	Ceramic, Glass	Stemper 1996	Euro-American	Yes	Not Eligible
13DA424	824.74	Historic Scatter, School	Ceramic, Masonry, Glass	Stanley 1996	Euro-American	Yes	Not Eligible
13DA428	0.00	Railroad Related	Ceramic	Stemper 1996	Euro-American	Yes	Not Eligible
13JP13	154.05	Village	none	Gourley 1984	Prehistoric	No	No Recommendation
13JP36	1840.98	Prehistoric Scatter	none	Gourley 1983; Gourley 1984	Prehistoric	No	No Recommendation
13JP37	190.99	Open Habitation	none	Gourley 1983; Gourley 1984	Prehistoric	No	No Recommendation
13JP167	1113.02	Historic Scatter	Ceramics, Glass, Masonry	Linderbaum 2001	Euro-American	No	No Recommendation
13JP179	240.32	Prehistoric Scatter, Historic Scatter	Stone Debitage, Glass, Metal, Masonry	Blikre 2005	Prehistoric, Euro-American	No	No Recommendation
13MA32	1665.12	Isolated Find	none	Roper 1983; McNerney & Stanley 1988; Rogers 1988; Stanley 1988; Stanley et al. 1988; Stanley & Rogers 1988	Prehistoric	No	No Recommendation
13MA37	111.98	Mounds	none	McKusick & Ries 1962	Prehistoric	No	No Recommendation
13MA38	1775.47	Mounds	none	McKusick & Ries 1962	Prehistoric	No	No Recommendation
13MA84	549.91	Structure/Building Remains	none	Roper 1983; McNerney & Stanley 1988; Rogers 1988; Stanley 1988; Stanley et al. 1988; Stanley & Rogers 1988	Euro-American	No	No Recommendation
13MA206	1799.06	Prehistoric Scatter	none	Marcucci 1999; Roper & Bastian 1983	Prehistoric	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13MA207	473.02	Village	none	Roper & Bastian 1983; McNerney & Stanley 1988; Stanley 1988; Stanley & Rogers 1988; Stanley et al. 1988	Late Prehistoric	No	No Recommendation
13MA208	1717.35	Village	none	Roper & Bastian 1983; McNerney & Stanley 1988; Stanley 1988; Stanley & Rogers 1988; Stanley et al. 1988	Late Prehistoric	No	Recommended Eligible
13MA211	3145.59	Prehistoric Scatter	none	Roper & Bastian 1983; Marcucci 1999	Prehistoric	No	No Recommendation
13MA212	3462.58	Prehistoric Scatter	none	Roper & Bastian 1983; Roper 1986	Prehistoric	No	No Recommendation
13MA213	1221.30	Village	none	Roper & Bastian 1983; Marcucci 1999	Prehistoric	No	No Recommendation
13MA215	28.76	Village	none	Roper & Bastian 1983; Marcucci 1999	Prehistoric	No	No Recommendation
13MA216	766.08	Village	none	Roper & Bastian 1983; McNerney & Stanley 1988; Stanley 1988; Stanley & Rogers 1988; Stanley et al. 1988	Prehistoric	No	No Recommendation
13MA217	918.29	Prehistoric Scatter	none	Roper & Bastian 1983; Marcucci 1999	Prehistoric	No	No Recommendation
13MA223	2003.14	Prehistoric Scater	none	Roper & Bastian 1983; McNerney & Stanley 1988; Stanley 1988; Stanley & Rogers 1988; Stanley et al. 1988	Woodland	No	No Recommendation
13MA224	1191.60	Prehistoric Scatter	none	Roper & Bastian 1983; Marcucci 1999	Prehistoric	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13MA225	1630.22	Lithic Scatter	none	Roper & Bastian 1983; Marcucci 1999	Prehistoric	No	No Recommendation
13MA229	1324.56	Lithic Scatter	none	Roper 1986; Marcucci 1999	Prehistoric	No	No Recommendation
13MA230	1625.39	Historic Scatter	none	Roper 1986; Marcucci 1999	Euro-American	No	No Recommendation
13MA231	1411.73	Historic Scatter	none	Roper 1986; Marcucci 1999	Euro-American	No	No Recommendation
13MA232	1191.44	Lithic Scatter	none	Roper 1986; Marcucci 1999	Prehistoric	No	No Recommendation
13MA234	1415.58	Lithic Scatter	none	Roper 1986	Prehistoric	No	No Recommendation
13MA235	743.43	Historic Farm/Residence	none	Roper 1986; Marcucci 1999	Euro-American	No	No Recommendation
13MA236	1768.22	Historic Farm/Residence	none	Roper 1986; Marcucci 1999	Euro-American	No	No Recommendation
13MA237	1921.95	Other Historic	none	Roper 1986	Euro-American	No	No Recommendation
13MA238	1803.97	Structure/Building Remains	none	Roper 1986	Euro-American	No	No Recommendation
13MA239	2191.88	Structure/Building Remains	none	Roper 1986	Euro-American	No	No Recommendation
13MA240	2206.03	Structure/Building Remains	none	Roper 1986; Marcucci 1999	Euro-American	No	No Recommendation
13MA241	2292.85	Lithic Scatter	none	Roper 1986	Prehistoric	No	No Recommendation
13MA242	2243.99	Lithic Scatter	none	Roper 1986	Prehistoric	No	No Recommendation
13MA243	2179.41	Prehistoric Scatter	none	Roper 1986; Marcucci 1999	Prehistoric	No	No Recommendation
13MA249	2203.63	Structure/Building Remains	none	Roper 1986	Euro-American	No	No Recommendation
13MA250	1649.31	Lithic Scatter	none	Roper 1986	Prehistoric	No	No Recommendation
13MA316	1578.35	Lithic Scatter	none	Roper 1986	Prehistoric	No	Not Eligible
13MA317	1456.30	Prehistoric Scatter	none	Roper 1986; Rogers & Koldehoff 1987	Late Prehistoric	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13MA323	1230.48	Historic Scatter, Prehistoric Scatter	none	Roper 1986	Prehistoric	No	No Recommendation
13MA324	1674.46	Lithic Scatter	none	Roper 1983; McNERNEY & Stanley 1988; Rogers 1988; Stanley 1988; Stanley et al. 1988; Stanley & Rogers 1988	Prehistoric	No	No Recommendation
13MA328	1436.50	Prehistoric Scatter	none	Roper 1986; Marcucci 1999	Prehistoric	No	No Recommendation
13MA329	1213.34	Lithic Scatter	none	Roper 1983; McNERNEY & Stanley 1988; Rogers 1988; Stanley 1988; Stanley et al. 1988; Stanley & Rogers 1988	Prehistoric	No	No Recommendation
13MA330	373.58	Prehistoric Scatter	none	Roper 1983; McNERNEY & Stanley 1988; Rogers 1988; Stanley 1988; Stanley et al. 1988; Stanley & Rogers 1988	Late Prehistoric	No	No Recommendation
13MA331	1741.48	Lithic Scatter	none	Roper 1986	Prehistoric	No	No Recommendation
13MA332	912.93	Prehistoric Scatter, Historic Farm/Residence	Ceramics, Glass, Historic, Pottery, Projectile Points, Stone Debitage	Roper 1986; Marcucci 1999	Late Woodland, Early Historic/Protohistoric, Late Prehistoric, Euro-American	No	Not Eligible
13MA333	1492.48	Historic Scatter	none	Roper 1986; Marcucci 1999	Prehistoric	No	No Recommendation
13MA334	716.70	none	none	Roper 1986	Euro-American	No	No Recommendation
13MA337	511.52	Historic Farm/Residence	none	Roper 1986	Euro-American	No	No Recommendation
13MA338	1508.61	Lithic Scatter	none	Roper 1986	Prehistoric	No	No Recommendation
13MA339	1264.02	Lithic Scatter	none	Roper 1986	Prehistoric	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13MA340	985.28	Historic Scatter	none	Roper 1986	Euro-American	No	No Recommendation
13MA341	1761.34	Historic Farm/Residence	none	Roper 1983; Mc Nerney & Stanley 1988; Rogers 1988; Stanley 1988; Stanley et al. 1988; Stanley & Rogers 1988	Euro-American	No	No Recommendation
13MA342	1512.72	Historic Scatter	none	Roper 1983; Mc Nerney & Stanley 1988; Rogers 1988; Stanley 1988; Stanley et al. 1988; Stanley & Rogers 1988	Euro-American	No	Eligible
13MA343	219.75	Prehistoric Scatter	none	Roper 1986	Prehistoric	No	No Recommendation
13MA344	985.03	Historic Scatter, Structure/Building Remains	none	Roper 1983; Mc Nerney & Stanley 1988; Rogers 1988; Stanley 1988; Stanley et al. 1988; Stanley & Rogers 1988	Euro-American	No	Not Determined
13MA345	542.61	Lithic Scatter	none	Roper 1983; Mc Nerney & Stanley 1988; Rogers 1988; Stanley 1988; Stanley et al. 1988; Stanley & Rogers 1988	Prehistoric	No	Not Determined
13MA347	1077.02	Abandoned Town	none	Roper 1986	Euro-American	No	Recommended Eligible
13MA348	548.03	Historic Farm/Residence	none	Roper 1986; Marcucci 1999	Euro-American	No	Recommended Eligible
13MA349	955.33	Lithic Scatter	none	Roper 1986	Prehistoric	No	No Recommendation
13MA350	359.24	Prehistoric Scatter	none	Roper 1986; Rogers & Koldehoff 1987	Prehistoric	No	No Recommendation
13MA351	990.03	Lithic Scatter	none	Roper 1986; Rogers & Koldehoff 1987	Prehistoric	No	No Recommendation
13MA352	1078.71	Lithic Scatter	none	Roper 1986	Prehistoric	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13MA353	1623.59	Structure/Building Remains	none	Roper 1986	Euro-American	No	No Recommendation
13MA354	313.16	Lithic Scatter	none	Roper 1983; Mc Nerney & Stanley 1988; Rogers 1988; Stanley 1988; Stanley et al. 1988; Stanley & Rogers 1988	Prehistoric	No	No Recommendation
13MA355	89.37	Lithic Scatter	none	Roper 1986	Prehistoric	No	No Recommendation
13MA358	145.47	Historic Farm/Residence	none	Roper 1983; Mc Nerney & Stanley 1988; Rogers 1988; Stanley 1988; Stanley et al. 1988; Stanley & Rogers 1988	Euro-American	No	No Recommendation
13MA450	234.31	Structure/Building Remains	none	Roper 1986	Euro-American	No	No Recommendation
13MA451	432.66	Structure/Building Remains	none	Roper 1986; Marcucci 1999	Euro-American	No	No Recommendation
13MA452	988.80	Structure/Building Remains	none	Roper 1986	Euro-American	No	No Recommendation
13MA453	510.85	Structure/Building Remains	none	Roper 1983; Mc Nerney & Stanley 1988; Rogers 1988; Stanley 1988; Stanley et al. 1988; Stanley & Rogers 1988	Euro-American	No	No Recommendation
13MA454	899.69	Historic Scatter	none	Roper 1983; Mc Nerney & Stanley 1988; Rogers 1988; Stanley 1988; Stanley et al. 1988; Stanley & Rogers 1988	Euro-American	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13MA456	2046.56	Structure/Building Remains	none	Roper 1983; McNerney & Stanley 1988; Rogers 1988; Stanley 1988; Stanley et al. 1988; Stanley & Rogers 1988	Euro-American	No	No Recommendation
13MA457	1741.01	Lithic Scatter	none	Roper 1986	Prehistoric	No	No Recommendation
13MA484	188.33	Historic Farm/Residence	none	Rogers & Koldehoff 1987; Marcucci 1999	Euro-American	No	No Recommendation
13MA533	366.27	Structure/Building Remains	Ceramics, Masonry Metal, Glass, Wood	Rogers 1994; Collins 1994	Euro-American	No	Not Eligible
13MA573	2108.01	Historic Farm/Residence	none	Resnick 2009	Euro-American	Yes	No Recommendation
13MA587	265.77	Historic Farm/Residence	none	Resnick 2009	Euro-American	Yes	No Recommendation
13MA598	990.15	Historic Farm/Residence	none	Resnick 2009	Euro-American	Yes	No Recommendation
13MA609	1943.95	Prehistoric Scatter, Mounds	none	Whittaker 2013	Woodland	Yes	Not Evaluated
13PK1	656.12	Prehistoric Scatter, Village, Isolated Burials	Human Remains, Pottery, Projectile Points, Stone Debitage	Gradwohl 1973	Prehistoric, Late Prehistoric	No	Not Evaluated
13PK5	235.67	Prehistoric Scatter	Projectile Points, Stone Debitage, Chipped Stone Tools	McKusick & Ries 1962	Prehistoric	No	No Recommendation
13PK6	189.22	Prehistoric Scatter	Projectile Points, Shell, Chipped Stone Tools, Stone Debitage	Ebel 1961; Hotopp 1976	Prehistoric, Late Prehistoric	No	No Recommendation
13PK7	130.24	Prehistoric Scatter	Cores	Ebel 1961; Ries 1961; Holven 2006	Prehistoric	No	Not Evaluated
13PK8	79.37	Rock Shelter/Cave	none	Ebel 1961	Prehistoric	No	No Recommendation
13PK9	1920.82	Mounds, Open Habitation	Pottery, Stone Debitage, Chipped Stone Tools	Ebel 1961; Cook 1976	Prehistoric	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK11	1002.79	Mounds	none	McKusick & Ries 1962; Gradwohl & Osborn 1974; Roper & Bastian 1983	Prehistoric	No	No Recommendation
13PK13	435.45	Mounds	none	McKusick & Ries 1962; Gradwohl & Osborn 1974; Roper & Bastian 1983	Prehistoric	No	No Recommendation
13PK14	307.94	Prehistoric Scatter	none	McKusick & Ries 1962; Gradwohl & Osborn 1974; Roper & Bastian 1983	Prehistoric	No	No Recommendation
13PK16	616.54	Mounds	none	Brown 1966	Prehistoric	No	No Recommendation
13PK19	480.06	Prehistoric Scatter, Open Habitation	Bone, Ceramics, Charcoal, Shell, Chipped Stone Tools, Stone Debitage	Brown 1966; Osborn & Gradwohl 1981; Ashworth & McKusick 1964; Gradwohl & Osborn 1975	Prehistoric	No	No Recommendation
13PK20	721.44	Prehistoric Scatter, Isolated Burials	Human Remains, Pottery, Projectile Points, Stone Debitage	Brown 1966; Ashworth & McKusick 1964	Woodland, Euro-American	No	No Recommendation
13PK23	906.53	Open Habitation	Pottery, Chipped Stone Tools, Cores, Projectile Points, Bone, Stone Debitage	Emerson 1984	Late Woodland, Middle Woodland	No	Not Evaluated
13PK24	710.99	Resource Procurement	none	Brown 1966; Ashworth & McKusick 1964	Historic Indian	No	No Recommendation
13PK25	1007.66	Isolated Find	Stone Debitage	Ashworth & McKusick 1964; Brown 1966; Gradwohl 1973	Prehistoric	No	No Recommendation
13PK27	1729.03	Non Cultural	Projectile Points, Chipped Stone Tools, Ceramics, Masonry, Metal, Glass, Shell, Cores, Stone Debitage	Brown 1966; Gradwohl 1973	Woodland, Euro-American	No	No Recommendation
13PK27-A	1985.94	Historic Scatter	Ceramic, Glass, Masonry, Metal	Gradwohl 1973	Euro-American	Yes	Eligible

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK28	1218.78	Prehistoric Scatter	Projectile Points, Chipped Stone Tools, Stone Debitage	Ashworth & McKusick 1964; Brown 1966; Gradwohl 1973	Woodland	No	Eligible
13PK29	1390.14	Prehistoric Scatter, Historic Scatter	Bone, Glass, Shell, Cores, Stone Debitage, Chipped Stone Tools, Ceramics	Ashworth & McKusick 1964; Brown 1966; Gradwohl 1973	Woodland, Prehistoric, Euro-American	No	Not Evaluated
13PK30	1179.62	Resource Procurement	none	Ashworth & McKusick 1964; Brown 1966; Gradwohl 1973	Prehistoric	No	No Recommendation
13PK33	210.95	Isolated Burials, Mounds	Bone, Human Remains, Projectile Points, Cores, Chipped Stone Tools, Stone Debitage, Cores, Ground or Pecked Stone, Pottery	Gradwohl & Osborn 1977	Woodland	No	Not Evaluated
13PK33-A	260.16	Lithic Scatter	Shell, Chipped Stone Tools, Ground or Pecked Stone, Stone Debitage	Gradwohl 1977	Prehistoric	Yes	No Recommendation
13PK37	2639.93	Prehistoric Scatter, Open Habitation	Points, Stone Debitage	Weichman 1974	Archaic, Late Archaic	No	Not Evaluated
13PK43	1946.96	Prehistoric Scatter, Camp	Points, Stone Debitage, Chipped Tools, Pottery, Shell	Cook 1976	Late Prehistoric, Oneota	Yes	Not Evaluated
13PK44	1875.66	Prehistoric Scatter	Chipped Stone Tools, Stone Debitage	Roper & Bastian 1983	Prehistoric	No	No Recommendation
13PK45	1550.12	Prehistoric Scatter, Open Habitation	Pottery, Projectile Point, Stone Debitage, Bone, Shell, Chipped Stone Tools, Ground or Pecked Stone	Ebel 1961; Cook 1976; Tiffany 1980; Perry 1989	Prehistoric, Late Prehistoric	No	No Recommendation
13PK46	1031.05	Prehistoric Scatter	Bone, Pottery, Stone Debitage, Chipped Stone Tools, Introduced Rock, Cores,	Cook 1976; Perry 1990	Late Prehistoric	No	Recommended Eligible
13PK47	1934.55	Prehistoric Scatter	Ceramic, Metal, Stone Debitage, Chipped Stone Tools	Cook 1976; Carr & Tiffany 1980; Reed 1981	Prehistoric	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK48	1802.15	Prehistoric Scatter	Stone Debitage	Cook 1976; Carr & Tiffany 1980; Reed 1981; Roper & Bastian 1983	Prehistoric	No	No Recommendation
13PK53	184.02	Prehistoric Scatter, Structure/Building Remains, Historic Farm/Residence	Ceramic, Glass, Metal, Masonry, Bone, Shell, FCR, Stone Debitage, Historic	Rogers 2004; Whittaker 2007; Rogers & Whittaker 2010	Prehistoric, Euro-American	No	Eligible
13PK54	278.41	Prehistoric Scatter, Historic Scatter, Historic Cemetery, Historic Farm/Residence, Abandoned Town, Village	Bone, Ceramics, Metal, Shell, Chipped Stone Tools, Glass, Bone, Historics, Introduced Rock, Beads, Floral Remains	Rogers & Stanley 1989	Late Woodland, Historic Indian	No	Potentially Eligible
13PK56	630.25	Prehistoric Scatter	Chipped Stone Tools, Stone Debitage	Gourley 1983	Prehistoric	No	No Recommendation
13PK57	723.14	Prehistoric Scatter	Bone, Chipped Stone Tools, Stone Debitage	Gourley 1983	Prehistoric	No	No Recommendation
13PK60	93.94	Isolated Burials	Human Remains	Perry 1990	Prehistoric	No	No Recommendation
13PK61	38.14	Lithic Workshop, Structure/Building Remains, Industrial, Railroad Related, Military, Prehistoric Scatter, Village, Historic Scatter, Historic Dump, Road/Trail, Abandoned Town, Historic Recreational	Ceramics, Masonry, Metal, Glass, Historic, Projectile Points, Pottery, Cores, Chipped Stone Tools, Wood, FCR, Stone Debitage, Ground or Pecked Stone, Introduced Rock, Bone, Floral Remains, Trade Beads	Schoen 2000; Whittaker 2003, 2005, 2006, 2009, 2010, 2013; Resnick 2009; Christman 2010; Collins 2010	Late Archaic, Late Prehistoric, Middle Woodland, Euro-American	No	Not Evaluated
13PK62	1708.41	Prehistoric Scatter	Introduced Rock, Stone Debitage	Perry 1986	Prehistoric	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK63	691.23	Prehistoric Scatter	Introduced Rock, Cores, Stone Debitage, Chipped Stone Tools	Perry 1986; Lillie 2014	Prehistoric	No	Not Evaluated
13PK65	1817.75	Open Habitation	Projectile Points, Stone Debitage	Sanquist 1987	Prehistoric		No Recommendation
13PK66	2292.70	Open Habitation	Chipped Stone Tools	Sanquist 1987	Prehistoric	Yes	No Recommendation
13PK70	1914.34	Prehistoric Scatter, Historic Farm/Residence	Cores, Stone Debitage, Chipped Tools, Pottery, IR	Collins 1988	Late Prehistoric, Historic Euro-American	No	Not Eligible
13PK71	1863.03	Historic Farmstead/Residence	Masonry, Metal, Glass	Collins 1988	Historic Euro-American	No	Not Eligible
13PK72	272.71	Industrial	Historics	Hannus et al. 1988	Euro-American	No	No Recommendation
13PK74	1438.52	Prehistoric Scatter	Bone, Introduced Rock, Pottery, Chipped Stone Tools, Stone Debitage	Mehrer & Perry 1989	Late Prehistoric	No	No Recommendation
13PK75	1245.31	Historic Farm/Residence	Pottery, Stone Debitage, Chipped Stone Tools, Ground or Pecked Stone	Mehrer & Perry 1989	Late Prehistoric, Euro-American	No	No Recommendation
13PK76	439.45	Prehistoric Scatter, Isolated Find, Historic Find/Residence	Bone, Introduced Rock, Pottery, Chipped Stone Tools, Stone Debitage	Meherer & Perry 1989; Sellars 2004	Late Prehistoric, Euro-American	No	Not Eligible
13PK77	713.15	Prehistoric Scatter	Stone Debitage	Perry 1989	Prehistoric	No	No Recommendation
13PK78	1439.46	Historic Farm/Residence	Ceramics, Glass	Mehrer & Perry 1989	Euro-American	No	No Recommendation
13PK79	878.55	Historic Farm/Residence	Ceramics, Glass, Masonry	Mehrer & Perry 1988	Euro-American	No	No Recommendation
13PK80	743.23	Historic Farm/Residence	Ceramics, Glass, Masonry	McKusick & Ries 1962	Euro-American	No	No Recommendation
13PK81	101.44	Historic Farm/Residence, Historic Scatter	Ceramics, Masonry, Glass, Metal	Meherer & Perry 1989	Euro-American	No	Not Eligible

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK83	1919.34	Prehistoric Scatter	Pottery, Projectile Point, Introduced Rock, Stone Debitage	Mehrer 1989	Prehistoric	No	No Recommendation
13PK84	1954.88	Prehistoric Scatter	Introduced Rock, Chipped Stone Tools, Ground or Pecked Stone, Stone Debitage	Mehrer 1989	Prehistoric	No	No Recommendation
13PK85	935.95	Prehistoric Scatter	FCR	Mehrer 1989	Prehistoric	Yes	No Recommendation
13PK86	1051.50	Prehistoric Scatter	Stone Debitage	Mehrer & Perry 1989	Prehistoric	No	No Recommendation
13PK87	1091.34	Prehistoric Scatter	FCR, Ground or Pecked Stone	Mehrer & Perry 1989	Prehistoric	No	No Recommendation
13PK88	1230.95	Prehistoric Scatter	FCR, Stone Debitage	Mehrer & Perry 1989	Prehistoric	No	No Recommendation
13PK91	1728.09	Prehistoric Scatter	Projectile Points	Mehrer & Perry 1989	Prehistoric	No	No Recommendation
13PK92	137.62	Open Habitation, Village, Historic Farm/ Residence	Bone, Ceramics, Metal, Glass, Introduced Rock, Shell	Mehrer & Perry 1989	Euro-American, Historic Indian	No	No Recommendation
13PK99	740.45	Historic Farm/Residence	Ceramic	Perry 1990	Euro-American	No	No Recommendation
13PK100	459.97		Ceramic, Metal, Glass	Perry 1990	Euro-American	No	No Recommendation
13PK101	227.10	Mounds	none	Gradwohl 1977	Prehistoric		No Recommendation
13PK101-A	210.37	Lithic Scatter	Bone, Shell, Cores, Chipped Stone Tools, Ground or Pecked Stone, Stone Debitage	Zieglowsky 1976; Gradwohl 1977	Prehistoric	No	No Recommendation
13PK102	215.01	Prehistoric Scatter	none	Roper & Bastian 1983; Marcucci 1999	Prehistoric	No	No Recommendation
13PK103	177.92	Prehistoric Scatter, Historic Scatter	Chipped Stone Tools, Ground or Pecked Stone, Bone, Ceramics, Metal, Historics, Projectile Points, Cores, Stone Debitage	Gradwohl & Psborn 1977; Nepstad-Thornberry 1998	Woodland, Euro-American	No	Not Eligible
13PK104	185.06	Prehistoric Scatter, Historic Scatter	none	Gradwohl 1974; Roper & Bastian 1983; Marcucci 1999; Stemper 1992	Prehistoric, Euro-American	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK105	404.14	Road/Trail	none	Gradwohl 1974; Roper & Bastian 1983; Marcucci 1999; Stemper 1992	Euro-American	No	No Recommendation
13PK106	190.07	Historic Scatter, Prehistoric Scatter	none	Gradwohl 1974; Roper & Bastian 1983; Marcucci 1999; Stemper 1992	Late Prehistoric, Euro-American	No	Not Eligible
13PK107	902.19	Historic Scatter, Prehistoric Scatter	Ceramics, Glacial Cobble, Pottery, Projectile Points, Chipped Stone Tools, Stone Debitage	Gradwohl 1973; Benn & Rogers 1985; Benn 1986	Woodland, Euro-American	No	No Recommendation
13PK108	730.06	Open Habitation, Prehistoric Scatter	Ceramics, Metal, Glass, Pottery, Shell, Stone Debitage, Chipped Stone Tools, Ground or Pecked Stone, Projectile Points, Masonry,	Gradwohl 1973; Gradwohl & Osborn 1975; Benn & Rogers 1985; Benn 1986	Early Woodland, MiddleWoodland, Prehistoric	No	No Recommendation
13PK109	362.30	Historic Scatter, Prehistoric Scatter	Ceramics, Metal, Shell, Glass, Pottery, Cores, Chipped Stone Tools, Stone Debitage, Ground or Pecked Stone	Gradwohl 1973; Gradwohl & Osborn 1975; Benn & Rogers 1985; Benn 1986	Woodland, Archaic	No	No Recommendation
13PK110	1016.65	Prehistoric Scatter	Projectile Points, Chipped Stone Tools, Ground or Pecked Stone	Gradwohl 1973; Gradwohl & Osborn 1975; Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK111	684.78	Historic Farm/Residence, Open Habitation, Isolated Burials	Ceramics, Human Remains, Metal, Pottery, Projectile Points, Chipped Stone Tools, Ground or Pecked Stone, Stone Debitage, Bone	Gradwohl 1973; Gradwohl & Osborn 1975; Benn & Rogers 1985; Benn 1986	Woodland, Euro-American	No	Not Evaluated
13PK112	643.02	Historic Farm/Residence, Open Habitation, Historic Scatter, Prehistoric Scatter	Bone, Shell, Introduced Rock, Stone Debitage, Chipped Stone Tools, Historics, Pottery, Cores, Projectile Points	Gradwohl 1973; Benn 1986	Woodland, Prehistoric, Euro-American	No	Recommended Eligible

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK113	930.75	Prehistoric Scatter, Historic Scatter	Bone, Ceramics, Introduced Rock, Projectile Points, Chipped Stone Tools, Ground or Pecked Stone, Chipped Stone Tools	Gradwohl 1973; Gradwohl & Osborn 1973	Woodland, Euro-American	No	No Recommendation
13PK114	903.11	Open Habitation	Historics, Projectile Points, Cores, Chipped Stone Tools, Stone Debitage	Gradwohl 1973; Gradwohl & Osborn 1973; Gradwohl 1975	Woodland	No	No Recommendation
13PK115	632.49	Historic Scatter, Prehistoric Scatter	Ceramics, Glass, Masonry, Projectile Point, Stone Debitage	Gradwohl 1973; Gradwohl & Osborn 1975	Prehistoric, Euro-American	No	No Recommendation
13PK116	235.22	Prehistoric Scatter, Historic Scatter	Bone, Ceramics, Projectile Points, Shell, Cores, Chipped Stone Tools, Stone Debitage	Gradwohl 1973; Gradwohl & Osborn 1974	Woodland, Archaic, Euro-American	No	No Recommendation
13PK117	392.77	Prehistoric Scatter	Projectile Points, Chipped Stone Tools, Stone Debitage	Gradwohl 1973; Gradwohl & Osborn 1974	Woodland	No	No Recommendation
13PK118	310.75	Lithic Scatter	Shell, Chipped Stone Tools, Stone Debitage,	Gradwohl 1973; Gradwohl & Osborn 1974	Prehistoric	No	No Recommendation
13PK119	399.53	Lithic Scatter	Cores, Chipped Stone Tools, Stone Debtage	Gradwohl 1973; Gradwohl & Osborn 1974	Prehistoric	No	No Recommendation
13PK120	786.85	Lithic Scatter	Stone Debitage	Gradwohl 1973; Gradwohl & Osborn 1974; Stanley & Benn 1985	Prehistoric	No	No Recommendation
13PK131	1146.88	Open Habitation, Historic Farm/Residence	Bone, Ceramics, Glass, Shell, Chipped Stone Tools, Stone Debitage	Gradwohl 1973; Gradwohl & Osborn 1973	Prehistoric, Euro-American	No	No Recommendation
13PK132	549.73	Open Habitation, Isolated Burials	Human Remains, Metal, Glass, Historic, Introduced Rock, Projectile Points, Chipped Stone Tools, Bone, Stone Debitage	Gradwohl 1973; Gradwohl & Osborn 1975; Osborn & Gradwohl 1982; Benn & Rogers 1985; Benn 1986	Late Archaic, Woodland	No	Not Evaluated

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK133	459.32	Historic Scatter	Metal, Chipped Stone Tools, Stone Debitage	Gradwohl 1973; Gradwohl & Osborn 1975; Benn & Rogers 1985; Benn 1986	Prehistoric, Euro-American	No	No Recommendation
13PK134	376.44	Open Habitation	Pottery, Chipped Stone Tools, Stone Debitage	Gradwohl 1973; Gradwohl & Osborn 1975; Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK136	434.19	Open Habitation	Projectile Points, Ground or Pecked Stone, Stone Debitage	Gradwohl 1973; Gradwohl & Osborn 1973	Woodland	No	No Recommendation
13PK137	972.47	Historic Scatter, Prehistoric Scatter	Ceramics, Glass, Shell, Chipped Stone Tools, Stone Debitage	Gradwohl 1973; Gradwohl & Osborn 1975; Benn & Rogers 1985; Benn 1986	Prehistoric, Euro-American	No	No Recommendation
13PK138	684.19	Open Habitation	Bone, Stone Debitage, Chipped Stone Tools	Gradwohl 1973; Gradwohl & Osborn 1975; Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK139	1027.94	Open Habitation	Projectile Points, Stone Debitage	Gradwohl 1973; Gradwohl & Osborn 1973; Benn & Stanley 1985	Prehistoric	No	No Recommendation
13PK140	403.42	Historic Scatter	Ceramics, Masonry, Projectile Points	Gradwohl 1973; Gradwohl & Osborn 1975; Osborn & Gradwohl 1981	Prehistoric, Euro-American	No	No Recommendation
13PK141	1417.28	Prehistoric Scatter, Historic Scatter	Bone, Ceramics, Historics, Glass, Chipped Stone Tools, Stone Debitage	Gradwohl 1973; Gradwohl & Osborn 1973	Prehistoric, Euro-American	No	No Recommendation
13PK142	1498.90	Open Habitation	Projectile Points, Chipped Stone Tools, Stone Debitage	Gradwohl 1973; Gradwohl & Osborn 1975; Benn & Rogers 1985; Benn 1986	Woodland	No	No Recommendation
13PK143	1881.30	Prehistoric Scatter	Projectile Points, Stone Debitage	Gradwohl 1973; Gradwohl & Osborn 1975; Benn & Rogers 1985; Benn 1986	Woodland	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK144	1248.35	Mounds, Open Habitation	Projectile Points, FCR, Metal, Introduced Rock, Stone Debitage	Gradwohl 1973; Gradwohl & Osborn 1973	Woodland, Late Woodland	No	Recommended/Potentially Eligible
13PK145	1437.87	Prehistoric Scatter, Open Habitation	Chipped Stone Tools, Stone Debitage	Gradwohl 1973; Gradwohl & Osborn 1975; Benn & Rogers 1985; Benn 1986	Woodland	No	No Recommendation
13PK146	1618.26	Prehistoric Scatter, Open Habitation	Projectile Points, Chipped Stone Tools, Ground or Pecked Stone	Gradwohl 1973; Gradwohl & Osborn 1975; Benn & Rogers 1985; Benn 1986	Archaic, Late Archaic, Early Woodland, Woodland	No	No Recommendation
13PK147	2026.14	Prehistoric Scatter, Lithic Scatter, Historic Scatter	Ceramics, Metal, Ground or Pecked Stone, Chipped Stone Tools, Stone Debitage, FCR, Pottery, Cores	Gradwohl 1973; Hotopp 1976; Carr 1980; Till 1985	Prehistoric, Woodland, Euro-American	No	No Recommendation
13PK148	2498.05	Lithic Scatter, Historic Farm/Residence	Bone, Ceramics, Masonry, Shell, Chipped Stone Tools, Stone Debitage	Gradwohl 1973; Gradwohl & Osborn 1973	Prehistoric, Euro-American	No	No Recommendation
13PK149	0.00	Historic Scatter, Prehistoric Scatter	Bone, Ceramics, Masonry, Metal, Pottery, Projectile Points, Shell, Chipped Stone Tools, Stone Debitage	Gradwohl 1973; Gradwohl & Osborn 1973; Gradwohl & Osborn 1975; Gradwohl & Osborn 1981; Gradwohl 1975	Late Archaic, Woodland, Euro-American	No	No Recommendation
13PK150	1229.45	Prehistoric Scatter, Historic Scatter	Bone, Ceramics, Historics, Projectile Points, Shell, Cores, Chipped Stone Tools, Stone Debitage	Gradwohl 1973; Gradwohl & Osborn 1973; Benn & Rogers 1985; Benn 1986	Prehistoric, Euro-American	No	No Recommendation
13PK151	1315.64	Prehistoric Scatter	Pottery, Chipped Stone Tools, Stone Debitage, Ground or Pecked Stone	Gradwohl 1973; Gradwohl & Osborn 1973; Benn & Rogers 1985; Benn 1986	Woodland	No	No Recommendation
13PK152	1332.58	Prehistoric Scatter, Lithic Scatter, Historic Scatter	Ceramics, Shell, Chipped Stone Tools, Bone, Pottery, Projectile Points, Cores, Stone Debitage	Gradwohl 1973; Gradwohl & Osborn 1973; Emerson 1983; Benn & Rogers 1985; Benn 1986	Prehistoric, Euro-American, Early Woodland, Middle Woodland	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK153	409.76	Prehistoric Scatter, Open Habitation	Ceramics, Projectile Points, Chipped Stone Tools, Stone Debitage	Gradwohl 1973; Gradwohl & Osborn 1973; Osborn & Gradwohl 1981	Paleo-Indian, Early Archaic, Woodland	No	No Recommendation
13PK154	1857.07	Lithic Scatter	Cores, Chipped Stone Tools, Stone Debitage	Gradwohl 1973; Gradwohl & Osborn 1973; Osborn & Gradwohl 1977; Osborn & Gradwohl 1980	Prehistoric	No	No Recommendation
13PK155	633.42	Open Habitation	Projectile Points, Stone Debitage, FCR, IR, Pottery, Chipped Stone Tools	Gradwohl 1973; Gradwohl & Osborn 1973; Osborn & Gradwohl 1981; Benn & Rogers 1985; Benn 1986	Archaic, Woodland, Prehistoric	No	No Recommendation
13PK157	1632.55	Lithic Scatter	Projectile Points, Stone Debitage, Chipped Stone Tools	Gradwohl 1973; Gradwohl & Osborn 1973; Osborn & Gradwohl 1981; Benn & Rogers 1985; Benn 1986	Archaic, Early Woodland	No	No Recommendation
13PK158	1165.76	Lithic Scatter	Bone, IR, Chipped Stone Tools, Stone Debitage	Gradwohl 1973; Gradwohl & Osborn 1973; Osborn & Gradwohl 1981; Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK159	1413.45	Lithic Scatter	Cores, Ground or Pecked Stone, Stone Debitage	Gradwohl 1973; Gradwohl & Osborn 1973; Osborn & Gradwohl 1981; Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK161	1412.04	Lithic Scatter	Stone Debitage, Chipped Stone Tools	Gradwohl 1973; Gradwohl & Osborn 1974	Prehistoric	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK162	730.52	Historic Cemetery, Lithic Scatter	Cores, Chipped Stone Tools, Stone Debitage	Gradwohl 1973; Gradwohl & Osborn 1975	Prehistoric, Euro-American	No	No Recommendation
13PK163	1280.47	Open Habitation, Prehistoric Scatter	Bone, Fossils, Projectile Points, Stone Debitage, Chipped Stone Tools, Ground or Pecked Stone, Cores,	Gradwohl 1985; Emerson 1983	Archaic, Woodland, Middle Woodland	No	No Recommendation
13PK164	1449.08	Open Habitation	Ceramics, Projectile Points, Chipped Stone Tools, Stone Debitage, Cores	Gradwohl 1985; Emerson 1983	Archaic, Woodland	No	No Recommendation
13PK165	1302.45	Open Habitation	Pottery, Cores, Chipped Stone Tools, Stone Debitage	Gradwohl 1975; Osborn et al. 1978; Gradwohl & Osborn 1985; Osborn et al. 1989	Late Woodland	No	No Recommendation
13PK166	863.55	Prehistoric Scatter	Pottery, Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975	Woodland	No	No Recommendation
13PK168	1423.17	Prehistoric Scatter	Ceramics, Projectile Points, Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975; Benn & Rogers 1986; Benn 1986	Woodland	No	No Recommendation
13PK169	368.19	Open Habitation	Projectile Points, Shell, Stone Debitage	Gradwohl & Osborn; 1975; Osborn & Gradwohl 1981; Benn & Rogers 1985; Benn 1986	Woodland	No	No Recommendation
13PK170	1051.32	Lithic Scatter	Cores, Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975; Morrow 1991	Prehistoric	No	No Recommendation
13PK171	1201.30	Prehistoric Scatter	Projectile Points, Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975; Morrow 1991	Woodland	No	No Recommendation
13PK172	271.61	Lithic Scatter, Prehistoric Scatter	Chipped Stone Tools Stone Debitage	Gradwohl & Osborn 1975; Benn & Rogers 1986; Benn 1986	Prehistoric	No	Recommended Eligible
13PK173	1115.15	Lithic Scatter	Stone Debitage	Gradwohl & Osborn 1975; Benn & Rogers 1986; Benn 1986	Prehistoric	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK174	1417.75	Prehistoric Scatter, Historic Scatter	Ceramics, Glass, Projectile Points, Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975	Prehistoric, Euro-American	No	No Recommendation
13PK175	150.66	Historic Scatter	Bone, Ceramics, Masonry, Glass, Metal, Historics, Cores, Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975; Osborn & Gradwohl 1981	Middle Woodland, Euro-American	No	No Recommendation
13PK176	600.38	Lithic Scatter	Bone, Chipped stone Tools, Stone Debitage	Gradwohl & Osborn 1975; Benn & Rogers 1986; Benn 1986	Prehistoric	No	No Recommendation
13PK177	1411.61	Prehistoric Scatter, Isolated Fine	Projectile Points, Chipped Stone Tools, Ground or Pecked Stone, Stone Debitage	Gradwohl 1975; McNair 1985	Woodland, Prehistoric	No	Not Eligible
13PK178	664.57	Open Habitation	Stone Debitage, Chipped Stone Tools	Gradwohl & Osborn 1975; Osborn & Gradwohl 1981	Prehistoric	No	No Recommendation
13PK179	100.45	Prehistoric Scatter	Projectile Points, Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975; Osborn & Gradwohl 1981	Late Prehistoric	No	No Recommendation
13PK180	1515.31	Prehistoric Scatter	Chipped Stone Tools, Stone Debitage	Timberland 1974	Prehistoric	No	No Recommendation
13PK181	956.56	Lithic Scatter	Cores, Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975; Benn & Rogers 1986; Benn 1986	Prehistoric	Yes	No Recommendation
13PK182	801.02	Lithic Scatter	IR, Projectile Points, Cores, Stone Debitage	Gradwohl & Osborn 1975; Benn & Rogers 1986; Benn 1986	Prehistoric	No	No Recommendation
13PK183	19.27	Lithic Scatter	Projectile Points, Stone Debitage	Gradwohl & Osborn 1975; Gradwohl & Osborn 1977; Osborn & Gradwohl 1981	Prehistoric	No	Recommended Eligible
13PK184	809.68	Structure/Building Remains	none	Gradwohl & Osborn 1975; Benn & Rogers 1986; Benn 1986	Euro-American	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK185	840.52	Structure/Building Remains	Ceramics, Glass	Gradwohl & Osborn 1975; Benn & Rogers 1986; Benn 1986	Euro-American	No	No Recommendation
13PK186	533.28	Prehistoric Scatter	Projectile Points, Shell, Cores, Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975; Benn & Rogers 1986; Benn 1986	Woodland	No	No Recommendation
13PK187	1049.78	Lithic Scatter	Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975	Prehistoric	No	No Recommendation
13PK189	1098.21	Lithic Scatter	Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975; Benn & Rogers 1986; Benn 1986	Prehistoric	No	No Recommendation
13PK190	630.36	Open Habitation	Bone, Fossils, Chipped Stone Tools	Gradwohl & Osborn 1975; Osborn & Gradwohl 1981	Woodland	No	No Recommendation
13PK191	902.78	Lithic Scatter	Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975; Benn & Rogers 1986; Benn 1986	Prehistoric	No	No Recommendation
13PK192	958.13	Prehistoric Scatter	Projectile Points, Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975; Benn & Rogers 1986; Benn 1986	Woodland	No	No Recommendation
13PK194	1405.53	Open Habitation, Prehistoric Scatter	Stone Debitage, Chipped stone Tools, Pottery, Shell, Cores	Gradwohl & Osborn 1975; Osborn & Gradwohl 1981; Emerson 1983	Late Woodland	No	No Recommendation
13PK195	1279.79	Open Habitation, Prehistoric Scatter	Ceramics, Shell, Pottery Chipped Stone Tools, Bone Stone Debitage, Cores	Gradwohl & Osborn 1975; Benn & Rogers 1986; Benn 1986; Emerson 1983	Woodland	No	No Recommendation
13PK196	2142.43	Prehistoric Scatter	Stone Debitage	Gradwohl & Osborn 1975; Benn & Rogers 1986; Benn 1986	Prehistoric	No	No Recommendation
13PK197	1205.92	Open Habitation, Isolated Burials	Bone, Human Remains, Projectile Points, Cores, Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975; Stanley & Benn 1985	Woodland	No	Not Evaluated

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK198	255.80	Prehistoric Scatter, Open Habitation	Projectile Points, Chipped Stone Tools, Cores, Stone Debitage	Gradwohl & Osborn 1975; Emerson 1983	Late Prehistoric	No	No Recommendation
13PK199	1096.88	Lithic Scatter	Projectile Points, Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975; Benn & Rogers 1986; Benn 1986	Prehistoric	No	No Recommendation
13PK200	1272.02	Lithic Scatter	Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975	Prehistoric	No	No Recommendation
13PK201	851.48	Prehistoric Cemetery	none	Brown 1966; Gradwohl 1973	Prehistoric	No	No Recommendation
13PK203	1189.79	Prehistoric Scatter, Open Habitation, Military	Ceramics, Glass, Shell, Chipped Stone Tools, Stone Debitage, Ground or Pecked Stone, FCR, Metal	Weichman 1975; Morrow 2009	Prehistoric, Euro-American	No	Not Evaluated
13PK204	732.78	Prehistoric Scatter	none	Weichman et al. 1975	Prehistoric	No	No Recommendation
13PK205	1522.74	Open Habitation	Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975; Gradwohl & Osborn 1985	Prehistoric	No	No Recommendation
13PK206	1541.11	Open Habitation	Cores, Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975	Prehistoric	No	No Recommendation
13PK210	1480.89	Prehistoric Scatter, Lithic Scatter	Projectile Points, Cores, Chipped Stone Tools, Stone Debitage, FCR,	Gradwohl & Osborn 1975; Benn & Rogers 1985; Benn 1986	Woodland, Prehistoric	No	Not Eligible
13PK211	1247.15	Lithic Scatter, Prehistoric Scatter	Cores, Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975; Benn & Rogers 1985; Benn 1986	Prehistoric	No	Not Evaluated
13PK212	1143.46	Lithic Scatter, Prehistoric Scatter	Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975	Prehistoric	No	Not Evaluated
13PK213	1704.26	Lithic Scatter, Prehistoric Scatter	Stone Debitage	Gradwohl & Osborn 1975; Peterson 2007	Prehistoric	No	Not Evaluated
13PK214	1497.38	Lithic Scatter	Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975	Prehistoric	No	No Recommendation
13PK215	1411.21	Lithic Scatter	Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975	Prehistoric	No	No Recommendation
13PK216	1697.48	Lithic Scatter	Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975	Prehistoric	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK217	1609.99	Prehistoric Scatter	Projectile Points, Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975	Woodland	No	No Recommendation
13PK218	1726.65	Lithic Scatter	Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975; Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK219	1279.24	Industrial	Ceramics, Metal, Projectile Points, Cores, Chipped Stone Tools, Stone Debitage, FCR, Historics	Gradwohl & Osborn 1975	Woodland, Prehistoric, Euro-American	No	Not Evaluated
13PK223	1253.08	Open Habitation	Bone, Chipped stone Tools, Stone Debitage	Gradwohl & Osborn 1975; Gradwohl & Osborn 1985	Prehistoric	No	No Recommendation
13PK226	1507.32	Prehistoric Scatter	Projectile Points, Cores, Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975	Archaic, Woodland, Prehistoric	No	Not Eligible
13PK228	1427.87	Industrial	none	Gradwohl & Osborn 1975	Euro-American	No	No Recommendation
13PK229	1463.89	Open Habitation	Projectile Points, Stone Debitage	Timberlake 1974	Prehistoric	No	No Recommendation
13PK233	959.20	Open Habitation	Cores, Stone Debitage, Pecked or Ground Stone	Gradwohl & Osborn 1980; Osborn & Gradwohl 1981; Stanley & Benn 1985	Prehistoric	No	No Recommendation
13PK234	1133.85	Prehistoric Scatter, Open Habitation	FCR, Ground or Pecked Stone, Chipped Stone Tools, Stone Debitage, Metal, IR, Cores	Gradwohl & Osborn 1985	Prehistoric, Archaic	No	Not Evaluated/Not Eligible
13PK235	1043.94	Prehistoric Scatter	none	Gradwohl & Osborn 1980; Osborn & Gradwohl 1981	Archaic, Woodland, Early Woodland	No	No Recommendation
13PK236	1406.11	Prehistoric Scatter	none	Gradwohl & Osborn 1985	Prehistoric	No	No Recommendation
13PK237	1191.93	Prehistoric Scatter	Ceramics, Projectile Points, Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1980; Osborn & Gradwohl 1981; Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK238	855.62	Prehistoric Scatter	Projectile Points, Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975; Benn & Rogers 1985; Benn 1986	Woodland	No	No Recommendation
13PK239	1257.59	Prehistoric Scatter	Stone Debitage	Gradwohl & Osborn 1985; Perry 1985	Prehistoric	No	No Recommendation
13PK240	1027.65	Prehistoric Scatter	Ground or Pecked Stone, Stone Debitage	Stanley & Benn 1985	Prehistoric	No	No Recommendation
13PK241	683.56	Open Habitation	Chipped Stone Tools, Stone Debitage	Stanley & Benn 1985; Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK242	712.90	Prehistoric Scatter	Projectile Points, Cores, Stone Debitage	Osborn & Gradwohl 1981; Emerson 1983	Archaic, Paleo-Indian	No	No Recommendation
13PK244	1018.25	Lithic Scatter	Cores, Stone Debitage	Gradwohl & Osborn 1975	Prehistoric	No	No Recommendation
13PK246	669.87	Prehistoric Scatter	Pottery, Chipped Stone Tools, Stone Debitage, Cores, Bone, Projectile Points	Emerson 1983	Woodland	No	No Recommendation
13PK247	1054.13	Prehistoric Scatter	Chipped Stone Tools, Stone Debitage	Stanley & Benn 1985; Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK248	690.20	Prehistoric Scatter	Projectile Points, Chipped Stone Tools, Stone Debitage	Benn & Rogers 1985; Benn 1986	Archaic, Woodland	No	No Recommendation
13PK249	1267.06	Prehistoric Scatter	Stone Debitage	Bettis 1976	Prehistoric	No	No Recommendation
13PK250	1036.88	Prehistoric Scatter	Stone Debitage, Chipped Stone Tools	Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK251	567.41	Prehistoric Scatter, Open Habitation	FCR, Floral Remains, Pottery, Projectile Points, Chipped Stone Tools, Stone Debitage	Thies 1979; Thies 1989	Woodland, Late Prehistoric, Archaic	No	No Recommendation
13PK252	875.76	Prehistoric Scatter	Projectile Points	Osborn et al. 1981	Prehistoric	No	No Recommendation
13PK255	672.07	Prehistoric Scatter	Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1980; Osborn & Gradwohl 1981	Prehistoric	No	No Recommendation
13PK256	738.35	Prehistoric Scatter	Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1980; Osborn & Gradwohl 1981	Prehistoric	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK257	776.91	Open Habitation	Projectile Points, Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1980; Osborn & Gradwohl 1981	Prehistoric	No	No Recommendation
13PK259	436.13	Open Habitation, Prehistoric Scatter	FCR, Projectile Points, Stone Debitage, Chipped Stone Tools, Bone, Pottery, Cores, Ground or Pecked Stone	Church & Smith 1983; Emerson 1983; Emerson 1984; Roetzel & Strachan 1983	Archaic, Early Woodland, Prehistoric	No	No Recommendation
13PK260	481.13	Open Habitation	Pottery, Stone Debitage	Bettis 1976	Prehistoric	Yes	No Recommendation
13PK261	1269.98	Prehistoric Scatter	Stone Debitage	Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK262	1164.77	Prehistoric Scatter	Stone Debitage	Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK263	329.61	Prehistoric Scatter	Stone Debitage, Ground or Pecked Stone, Projectile Points, Cores, Chipped Stone Tools, Stone Debitage	Emerson 1983; Roetzel & Strachan; Benn & Rogers 1985; Benn 1986	Prehistoric, Early Woodland, Middle Woodland	No	No Recommendation
13PK264	373.22	Prehistoric Scatter	Projectile Points, Stone Debitage, Bone, Metal Pottery, Cores, Chipped Stone Tools	Emerson 1983; Emerson 1984; Roetzel & Strachan 1983	Woodland, Late Woodland	No	No Recommendation
13PK265	670.19	Open Habitation	Ceramic, Projectile Points, Chipped Stone Tools, Stone Debitage	Osborn & Gradwohl 1982	Archaic, Early Woodland	No	No Recommendation
13PK266	578.82	Prehistoric Scatter	IR, Projectile Points, Cores, Stone Debitage, Chipped Stone Tools, Pottery	Church & Smith 1983; Emerson 1983; Roetzel & Strachan 1983	Prehistoric	No	No Recommendation
13PK267	813.94	Prehistoric Scatter, Open Habitation	IR, Chipped Stone Tools, Stone Debitage	Emerson 1983; Roetzel & Strachan; Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK268	199.37	Prehistoric Scatter	Chipped Stone Tools, Stone Debitage	Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK269	696.86	Prehistoric Scatter	Stone Debitage	Church & Lawson 1983	Prehistoric	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK271	725.05	Prehistoric Scatter	Pottery, Stone Debitage	Ashworth & McKusick 1964; Brown 1966; Gradwohl 1973	Woodland	Yes	No Recommendation
13PK272	747.02	Prehistoric Scatter	Pottery, Cores, Chipped Stone Tools, Stone Debitage, Ground or Pecked Stone	Church & Smith 1983; Emerson 1983; Roetzel & Strachan 1983	Woodland, Late Woodland	No	Recommended Eligible
13PK273	760.93	Prehistoric Scatter	IR, Pottery, Bone, Metal, Chipped Stone Tools, Stone Debitage	Church & Smith 1983; Emerson 1983; Roetzel & Strachan 1983	Woodland, Early Woodland, Late Woodland	No	No Recommendation
13PK274	888.21	Prehistoric Scatter	Bone, FCR, Ceramics, Pottery, Shell, Projectile Points, Cores, Stone Debitage	Church & Smith 1983; Emerson 1983; Roetzel & Strachan 1983; Emerson 1984	Prehistoric, Middle Woodland	No	Recommended Eligible
13PK275	809.48	Open Habitation, Historic Scatter	Ceramics, Projectile Points, Cores, Chipped Stone Tools, Ground or Pecked Stone, Stone Debitage	Emerson 1983; Roetzel & Strachan 1983; Benn & Rogers 1985; Benn 1986	Woodland, Euro-American, Early Woodland	No	Recommended Eligible
13PK276	809.22	Prehistoric Scatter, Lithic Scatter	Bone, Projectile Points, Ground or Pecked Stone, Chipped Stone Tools, Stone Debitage	Church & Smith 1983; Emerson 1983; Roetzel & Strachan 1983; Emerson 1984	Prehistoric	No	Recommended Eligible
13PK277	699.18	Prehistoric Scatter	IR, Projectile Points, Cores, Chipped Stone Tools, Stone Debitage	Emerson 1983; Roetzel & Strachan 1983	Woodland, Middle Woodland	No	No Recommendation
13PK278	720.68	Prehistoric Scatter	Pottery, Chipped Stone Tools, Stone Debitage	Portwood 1976	Prehistoric	Yes	No Recommendation
13PK279	825.49	Prehistoric Scatter, Lithic Scatter	Projectile Point, Cores, Stone Debitage	Emerson 1983; Rostel Strachan 1983	Prehistoric	No	No Recommendation
13PK280	1392.85	Open Habitation	Projectile Points, Stone Debitage	Stanley & Benn 1985	Woodland	No	No Recommendation
13PK281	557.77	Prehistoric Scatter	Stone Debitage	Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK282	584.79	Prehistoric Scatter	Stone Debitage	Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK283	625.01	Open Habitation	Projectile Points, Stone Debitage	Benn & Rogers 1985; Benn 1986	Woodland	No	No Recommendation
13PK284	835.29	Prehistoric Scatter	IR, Stone Debitage	Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK285	672.32	Prehistoric Scatter	Pottery, Projectile Points, Cores, Chipped Stone Tools, Ground or Pecked Stone, Stone Debitage	Emerson 1983; Roetzel & Strachan 1983; Benn & Rogers 1985; Benn 1986	Woodland, Middle Woodland	No	No Recommendation
13PK286	795.31	Prehistoric Scatter Lithic Scatter	IR, Cores, Stone Debitage	Emerson 1983; Roetzel & Strachan 1983; Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK287	818.15	Prehistoric Scatter	Stone Debitage	Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK288	850.70	Open Habitation, Prehistoric Scatter	IR, Chipped Stone Tools, Pottery, Projectile Points, Cores, Stone Debitage	Emerson 1983; Roetzel & Strachan 1983; Benn & Rogers 1985; Benn 1986	Woodland, Early Woodland, Middle Woodland	No	Eligible
13PK289	835.50	Prehistoric Scatter	IR, Chipped Stone Tools, Stone Debitage	Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK290	434.94	Prehistoric Scatter	IR, Projectile Points, Chipped Stone Tools	Gradwohl & Osborn 1977; Roper & Bastian 1983	Late Archaic, Early Woodland	No	No Recommendation
13PK291	679.16	Prehistoric Scatter	Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1977; Osborn & Gradwohl 1978; Roper & Bastian 1983	Prehistoric	No	No Recommendation
13PK292	193.34	Prehistoric Scatter	IR, Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1977; Roper & Bastian 1983	Prehistoric	No	No Recommendation
13PK293	413.02	Prehistoric Scatter	Ceramics, Glass, IR, Stone Debitage	Gradwohl & Osborn 1977; Roper & Bastian 1983	Prehistoric, Euro-American	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK294	635.76	Prehistoric Scatter, Historic Scatter	Ceramics, Metal, Glass, Projectile Points, Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1977; Roper & Bastian 1983	Prehistoric, Euro-American	No	No Recommendation
13PK295	1062.57	Open Habitation	Projectile Points, Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1980; Benn & Rogers 1985; Stanley & Benn 1985	Prehistoric	No	No Recommendation
13PK296	1388.40	Open Habitation	Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1980; Osborn & Gradwohl 1981; Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK297	1788.20	Open Habitation, Prehistoric Scatter	Ground or Pecked Stone, Stone Debitage, FCR	Benn & Rogers 1985; Benn 1986	Prehistoric	No	Not Eligible
13PK298	1516.95	Prehistoric Scatter	none	Gradwohl & Osborn 1980; Osborn & Gradwohl 1981; Stanley & Benn 1985	Prehistoric	No	No Recommendation
13PK299	1554.63	Prehistoric Scatter, Open Habitation	Chipped Stone Tools, Cores, Projectile Points, Stone Debitage	Gradwohl & Osborn 1980; Osborn & Gradwohl 1981; Benn & Rogers 1985; Benn 1986	Middle Archaic	No	Not Eligible
13PK300	1268.97	Prehistoric Scatter	none	Gradwohl & Osborn 1980; Osborn & Gradwohl 1981; Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK301	994.41	Prehistoric Scatter	none	Gradwohl & Osborn 1980; Osborn & Gradwohl 1981; Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK302	1276.63	Prehistoric Scatter	none	Gradwohl & Osborn 1980; Osborn & Rogers 1985; Stanley & Benn 1985	Prehistoric	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK303	438.24	Prehistoric Scatter	Ceramics, Projectile Points, Chipped Stone Tools, Stone Debitage	Osborn & Gradwohl 1978; Roper & Bastian 1983	Prehistoric	No	No Recommendation
13PK304	387.87	Prehistoric Scatter	IR, Chipped Stone Tools, Ground or Pecked Stone, Stone Debitage	Osborn & Gradwohl 1978; Roper & Bastian 1983	Prehistoric	No	No Recommendation
13PK305	1812.23	Open Habitation	Bone, Chipped stone Tools, Stone Debitage	Gradwohl & Osborn 1980; Osborn & Gradwohl 1981; Stanley & Benn 1985	Prehistoric	No	No Recommendation
13PK306	260.11	Open Habitation	Shell, Ground or Pecked Stone, Chipped Stone Tools, Stone Debitage	Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK307	168.22	Open Habitation	Ground or Pecked Stone, Cores, Stone Debitage	Gradwohl 1979	Woodland	Yes	No Recommendation
13PK308	335.05	Open Habitation, Prehistoric Scatter	Projectile Points, Cores, Ground or Pecked Stone, Stone Debitage	Gradwohl 1979; Jones 2002	Woodland, Prehistoric	Yes	Not Evaluated
13PK309	1310.47	Open Habitation	Ground or Pecked Stone, Pottery, Cores, Stone Debitage	Benn & Rogers 1985; Benn 1986	Woodland	No	No Recommendation
13PK310	1384.86	Open Habitation	IR, Projectile Points, Cores, Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1980; Osborn & Gradwohl 1981; Stanley & Benn 1985	Prehistoric	No	No Recommendation
13PK311	1600.46	Open Habitation	Ceramic, Glass, Cores, Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1980; Osborn & Gradwohl 1981; Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK312	1367.47	Open Habitation	Bone, Projectile Points, Cores, Chipped Stone Tools, Stone Debitage	Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK313	848.97	Open Habitation, Prehistoric Scatter	Ceramics, Metal, Pottery, Projectile Points, Cores, Stone Debitage, Chipped Stone Tools	Emerson 1983; Roetzel; Strachan 1983; Benn & Rogers 1985; Benn 1986	Prehistoric, Woodland	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK314	911.73	Open Habitation, Prehistoric Scatter	Pottery, Projectile Points, Cores, Chipped Stone Tools, Stone Debitage, Bone, Seeds	Church & Lawson 1983; Emerson 1983; Roetzel & Strachan 1983; Emerson 1984	Prehistoric, Late Woodland	No	No Recommendation
13PK315	919.80	Open Habitation, Prehistoric Scatter	Ceramics, Masonry, Projectile Points, Cores, Chipped Stone Tools, Stone Debitage, Glass, Pottery	Church & Lawson 1983; Emerson 1983; Roetzel & Strachan 1983; Emerson 1984	Prehistoric, Middle Woodland, Late Woodland	No	No Recommendation
13PK316	1582.77	Open Habitation	Cores, Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1980; Osborn & Gradwohl 1985; Stanley & Benn 1985	Prehistoric	No	No Recommendation
13PK317	931.60	Prehistoric Scatter	Projectile Points, Chipped Stone Tools, Stone Debitage	Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK318	814.67	Prehistoric Scatter	FCR, Pottery	Forman et al. 1996	Woodland	No	No Recommendation
13PK319	314.95	Historic Scatter, Open Habitation	none	Benn & Rogers 1985; Benn 1986	Prehistoric, Euro-American	No	No Recommendation
13PK320	199.87	Prehistoric Scatter	FCR, Projectile Points, Chipped Stone Tools, Stone Debitage	Benn & Bettis 1985; Benn & Rogers 1985; Benn 1986	Late Prehistoric	No	No Recommendation
13PK321	208.42	Historic Scatter, Prehistoric Scatter	Ceramics, Pottery, Chipped Stone Tools	Benn & Rogers 1985; Stanley & Benn 1985; Benn 1986	Prehistoric, Euro-American	No	No Recommendation
13PK322	661.01	Open Habitation	Projectile Points	Forman et al. 1996	Early Woodland	No	No Recommendation
13PK323	981.71	Open Habitation	FCR	Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK324	42.04	Open Habitation	Stone Debitage	Benn & Rogers 1985; 1986	Prehistoric	No	No Recommendation
13PK325	98.62	Open Habitation	Pottery, Projectile Points	Benn & Rogers 1985; Benn 1986	Middle Woodland	No	No Recommendation
13PK327	1491.53	Prehistoric Scatter, Historic Scatter	Ceramics, Masonry, Metal, Glass, Projectile Points, Chipped Stone Tools, Stone Debitage	Higginbottom 1990	Prehistoric, Euro-American	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK328	1376.99	Prehistoric Scatter	Projectile Points, Chipped Stone Tools, Stone Debitage	Higginbottom 1990	Prehistoric	No	No Recommendation
13PK329	1379.02	Prehistoric Scatter	Ceramics, Masonry, Glass, IR, Pottery, Projectile Points, Chipped Stone Tools, Stone Debitage	Higginbottom 1990	Prehistoric	No	No Recommendation
13PK330	1332.10	Prehistoric Scatter	IR, Projectile Points, Ground or Pecked Stone, Chipped Stone Tools, Stone Debitage	Higginbottom 1990	Prehistoric	No	No Recommendation
13PK331	1571.67	Prehistoric Scatter	Projectile Points, Chipped Stone Tools, Stone Debitage	Higginbottom 1990	Prehistoric	No	No Recommendation
13PK332	619.60	Prehistoric Scatter	Projectile Points, Chipped Stone Tools, Stone Debitage	Higginbottom 1990; Stemper 1994	Prehistoric	No	No Recommendation
13PK333	666.62	Open Habitation	Bone, Pottery, Projectile Points, Chipped Stone Tools, Stone Debitage	Higginbottom 1990; Stemper 1994	Prehistoric	No	No Recommendation
13PK334	738.66	Prehistoric Scatter	IR, Projectile Points, Chipped Stone Tools, Stone Debitage	Higginbottom 1990; Weitzel et al. 2001	Prehistoric	No	No Recommendation
13PK335	863.62	Prehistoric Scatter	Bone, Projectile Points, Chipped Stone Tools, Stone Debitage	Higginbottom 1990; Weitzel et al. 2001	Prehistoric	No	No Recommendation
13PK336	1376.18	Open Habitation	Bone, IR, Pottery, Projectile Points, Chipped Stone Tools, Glass, FCR, Cores, Ground or Pecked Stone, Stone Debitage	Higginbottom 1990; Artz 1994	Prehistoric, Late Archaic, Middle Woodland	No	Not Eligible
13PK338	1113.16	Prehistoric Scatter	Projectile Points, Chipped Stone Tools, Stone Debitage	Higginbottom 1985; Higginbottom 1986	Prehistoric	No	No Recommendation
13PK341	39.87	Historic Farm/Residence	Glass, Masonry, Historics	Stephenson 2002	Euro-American	No	Not Eligible
13PK339	776.66	Lithic Scatter	Projectile Points, Chipped Stone Tools, Stone Debitage	Higginbottom 1985; Higginbottom 1986; Stemper 1994	Prehistoric	No	No Recommendation
13PK342	1189.84	Prehistoric Scatter	Glass, Masonry, Metal, Ceramics, Chipped Stone Tools, Projectile Points, Stone Debitage, Historics	Stephenson 2002; Stephenson 2003	Prehistoric, Euro-American	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK345	373.02	Historic Dump	Ceramics, Glass, Masonry, Historics	Rogers 2002	Euro-American	No	Not Eligible
13PK349	547.92	Mounds	none	Artz & Whittaker 2003	Late Prehistoric, Woodland	No	Not Evaluated
13PK350	353.99	Mounds	none	Whittaker 2003; Whittaker 2008	Woodland, Late Prehistoric	No	Not Evaluated
13PK351	422.83	Mounds, Historic Scatter	Metal, Stone Debitage	Blikre 2003; Whittaker 2015	Woodland, Euro-American	Yes	Eligible
13PK352	1681.90	Railroad Related, Structure, Building Remains	Masonry	Sellars & Thomson 1995; Sellars 2003	Euro-American	No	Not Eligible
13PK353	1339.65	Road/Trail, Structure/Building Remains	none	Sellars 2003	Euro-American	No	Not Evaluated
13PK354	299.29	Isolated Find	Stone Debitage	Sellars 2003	Prehistoric	No	Recommended Not Eligible
13PK360	1125.82	School	Ceramics, Glass, Masonry, Metal, Historics	Gregory et al 2004; Whittaker 2007	Euro-American	No	Not Evaluated
13PK361	1796.79	Isolated Find	Stone Debitage	Harvey 2004	Prehistoric	Yes	Not Eligible
13PK372	32.98	Structure/Building Remains, Historic Recreational, Isolated Find	Ceramics, Masonry, Metal, Glass, Floral Remains, Bone, Wood, Chipped Stone Tools	Whittaker 2004; Whittaker 2010	Euro-American, Archaic	No	Eligible
13PK373	46.61	Structure/Building Remains, Historic Recreational	Glass, Metal, Ceramics	Whittaker 2004; Nagel 2007	Euro-American	No	Eligible
13PK375	155.11	Industrial, Military	none	Whittaker 2005	Euro-American	Yes	Not Evaluated
13PK400	85.12	Isolated Find	Stone Debitage	Benn & Bettis 1981	Prehistoric	No	No Recommendation
13PK401	166.20	Isolated Find	IR, Stone Debitage	Benn & Bettis 1981; Benn & Rogers 1981	Prehistoric	No	No Recommendation
13PK402	208.73	Lithic Scatter	Stone Debitage	Benn & Bettis 1981; Benn & Rogers 1981	Prehistoric	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK403	187.50	Isolated Find	Cores, Chipped Stone Tools	Benn & Bettis 1981; Benn & Rogers 1981	Prehistoric	No	No Recommendation
13PK404	47.09	Prehistoric Scatter	Bone, FCR	Benn & Bettis 1981; Benn & Rogers 1981	Prehistoric	No	No Recommendation
13PK405	23.52	Village	Bone, Projectile Points, Stone Debitage	Benn & Bettis 1981; Benn & Rogers 1981	Prehistoric	No	No Recommendation
13PK406	82.38	Prehistoric Scatter, Open Habitation	Charcoal, Stone Debitage	Benn & Bettis 1981; Benn & Rogers 1981	Prehistoric	No	Not Eligible
13PK407	11.14	Village, Prehistoric Scatter, Open Habitation	Bone, FCR, Pottery, Charcoal, Floral Remains, Projectile Points, Shell, Cores, Chipped Stone Tools, Ground or Pecked Stone, Stone Debitage	Benn & Bettis 1981; Benn & Rogers 1981; Blikre & Benn 2001	Late Prehistoric	No	Eligible
13PK408	626.35	Resource Procurement	Bone, FCR	Benn & Bettis 1981; Benn & Rogers 1981	Prehistoric	No	No Recommendation
13PK409	181.78	Prehistoric Scatter	FCR, Cores, Stone Debitage	Benn & Bettis 1981; Benn & Rogers 1981	Prehistoric	No	No Recommendation
13PK410	1102.84	Village	FCR, Chipped Stone Tools, Ground or Pecked Stone, Stone, Debitage	Benn & Bettis 1981; Benn & Rogers 1981	Archaic, Woodland	No	No Recommendation
13PK412	994.52	Isolated Find	FCR, Chipped Stone Tools	Benn & Bettis 1981; Benn & Rogers 1981	Prehistoric	No	No Recommendation
13PK413	151.62	Village	Bone, Charcoal, Ground or Pecked Stone, Pottery, Stone Debitage	Benn & Bettis 1981; Benn & Rogers 1981	Woodland	No	No Recommendation
13PK414	18.29	Prehistoric Scatter	Bone, Calcite	Benn & Bettis 1981; Benn & Harris 1983	Prehistoric	No	No Recommendation
13PK415	36.21	Prehistoric Scatter	FCR, IR, Pottery, Cores, Stone Debitage	Benn & Bettis 1981; Benn Hattis	Woodland	No	No Recommendation
13PK416	65.71	Prehistoric Scatter	FCR, Stone Debitage	Benn & Bettis 1981; Benn & Roberts 1981	Prehistoric	No	No Recommendation
13PK417	634.98	Isolated Find	Stone Debitage	Benn & Bettis 1981; Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation

SITE

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK418	151.96	Prehistoric Scatter	Projectile Points	Benn & Bettis 1981; Benn & Rogers 1985; Benn 1986	Prehistoric	No	Eligible
13PK419	507.75	Prehistoric Scatter	FCR, Chipped Stone Tools, Stone Debitage	Benn & Bettis 1981; Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK420	401.60	Isolated Find	Stone Debitage	Benn & Bettis 1981; Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK421	602.14	Prehistoric Scatter	FCR, Stone Debitage	Benn & Bettis 1981; Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK422	320.52	Prehistoric Scatter	FCR, Burned Soil, Stone Debitage	Benn & Bettis 1981; Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK423	635.93	Isolated Find	FCR, Stone Debitage	Benn & Bettis 1981; Benn & Rogers 1985; Benn 1986	Prehistoric	No	No Recommendation
13PK425	150.43	Isolated Find	Charcoal, FCR	Benn & Bettis 1981; Benn & Rogers 1985; Benn 1986	Prehistoric, Non- Archaeological	No	No Recommendation
13PK426	796.45	Historic Scatter	Ceramics, Masonry, Metal, Glass	Benn & Bettis 1981; Benn & Rogers 1985; Benn 1986	Euro-American	No	Not Evaluated
13PK427	194.12	Historic Scatter	Ceramics, Glass	Benn & Bettis 1981; Benn & Rogers 1985; Benn 1986	Euro-American	No	No Recommendation
13PK428	541.29	Historic Scatter	Ceramics, Masonry, Metal, Glass, Cinders	Benn & Bettis 1981; Benn & Rogers 1985; Benn 1986	Euro-American	No	No Recommendation
13PK429	536.56	Historic Scatter	Ceramics, Glass, Masonry	Benn & Bettis 1981; Benn & Rogers 1985; Benn 1986	Euro-American	No	No Recommendation
13PK430	18.65	Industrial	none	Benn & Bettis 1981	Euro-American	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK431	926.98	Historic Farm/Residence Structure/Building Remains	none	Benn & Bettis 1981	Euro-American	No	Not Evaluated
13PK432	787.20	Structure/Building Remains	none	Benn & Bettis 1981	Euro-American	No	No Recommendation
13PK433	774.84	Structure/Building Remains	none	Benn & Bettis 1981	Euro-American	No	No Recommendation
13PK434	778.18	Structure/Building Remains	none	Benn & Bettis 1981	Euro-American	No	No Recommendation
13PK435	840.68	Structure/Building Remains	none	Benn & Bettis 1981	Euro-American	No	No Recommendation
13PK436	772.70	Historic Scatter	none	Benn 1981; Hirst 1997	Euro-American	No	Not Determined
13PK437	27.43	Structure/Building Remains	none	Benn & Bettis 1981	Euro-American	No	No Recommendation
13PK440	1583.28	Historic Scatter	Masonry	Roper & Bastian 1983; Hedden 2011	Euro-American	No	No Recommendation
13PK444	2050.38	Prehistoric Scatter	FCR, Stone Debitage	Till & Hotopp 1985	Prehistoric	No	No Recommendation
13PK445	1982.00	Prehistoric Scatter	FCR, Stone Debitage	Till & Hotopp 1985	Prehistoric	No	No Recommendation
13PK446	1309.48	Prehistoric Scatter, Open Habitation	FCR, Pottery, Projectile Points, Stone Debitage	Till Hotopp 1985; Morrow 2009	Archaic, Woodland, Prehistoric	No	Not Evaluated
13PK447	1103.59	Structure/Building Remains, Prehistoric Scatter	FCR, Masonry, Stone Debitage	Till 1985	Prehistoric, Euro-American	No	No Recommendation
13PK461	1485.90	Prehistoric Scatter	FCR, Stone Debitage	Till & Hotopp 1985	Prehistoric	No	No Recommendation
13PK462	1564.02	Prehistoric Scatter	FCR, Stone Debitage	Till & Hotopp 1985	Prehistoric	No	No Recommendation
13PK463	1457.17	Prehistoric Scatter	FCR, Stone Debitage	Till & Hotopp 1985	Prehistoric	No	No Recommendation
13PK464	1390.33	Prehistoric Scatter	FCR, Stone Debitage	Till & Hotopp 1985	Prehistoric	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK465	1421.71	Historic Farm/Residence, Prehistoric Scatter, Open Habitation, Structure/Building Remains	FCR, Pottery, Masonry, Projectile Points	Till & Hotopp 1985; Morrow 2010	Euro-American, Prehistoric	No	Not Evaluated
13PK466	1014.06	Military	Metal	Till & Hotopp 1985	Euro-American	No	No Recommendation
13PK467	385.64	Prehistoric Scatter	Pottery, Chipped Stone Tools, Stone Debitage	Perry 1990	Late Prehistoric	No	No Recommendation
13PK468	552.22	Historic Farm/Residence	Ceramics, Masonry, Glass	Perry 1990	Euro-American	No	No Recommendation
13PK469	484.68	Historic Scatter	Ceramics, Glass	Perry 1990	Euro-American	No	No Recommendation
13PK470	1366.79	Historic Farmstead/Residence	Ceramic, Masonry, Glass	Perry 1990	Historic Euro-American	No	Not Eligible
13PK471	1497.76	Historic Farmstead/Residence	Stone Debitage, Ceramic, Metal, Masonry, Glass	Perry 1990	Historic Euro-American	No	Not Eligible
13PK478	148.37	Prehistoric Scatter	Projectile Points	Jones 1989	Prehistoric	Yes	Eligible
13PK495	1457.33	Prehistoric Scatter	none	Higginbottom 1990	Prehistoric	Yes	No Recommendation
13PK496	1513.61	Prehistoric Scatter, Historic Scatter, Isolated Burials	Ceramics, Human Remains, IR, Pottery, Projectile Points, Chipped Stone Tools, Stone Debitage, Bone	Higginbottom 1990; 2014	Prehistoric, Euro-American	Yes	Not Evaluated
13PK497	1961.52	Open Habitation	Bone, Charcoal, Pottery, Chipped Stone Tools, Stone Debitage	Stemper 1994; Butler 2009	Prehistoric	No	No Recommendation
13PK498	1313.24	Prehistoric Scatter	Bone, Projectile Points, Chipped Stone Tools, Stone Debitage	Higginbottom 1990	Prehistoric	Yes	No Recommendation
13PK499	666.77	Lithic Scatter	IR, Chipped Stone Tools, Stone Debitage	Higginbottom 1990	Prehistoric	Yes	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK500	766.26	Lithic Scatter	Chipped Stone Tools, Stone Debitage	Artz 2003	Prehistoric	No	No Recommendation
13PK501	917.74	Lithic Scatter	Chipped Stone Tools, Stone Debitage	Artz 2003	Prehistoric	No	No Recommendation
13PK502	1077.36	Prehistoric Scatter	IR, Stone Debitage	Artz 2003	Prehistoric	No	No Recommendation
13PK503	1307.39	Prehistoric Scatter	Chipped Stone Tools, Stone Debitage	Artz 2003	Prehistoric	No	No Recommendation
13PK504	1271.70	Prehistoric Scatter	Ceramic, Metal, Glass, IR, Chipped Stone Tools, Stone Debitage	Higginbottom 1990	Prehistoric	Yes	No Recommendation
13PK505	1085.04	Prehistoric Scatter	Glass, IR, Chipped Stone Tools, Stone Debitage	Artz 2003	Prehistoric	No	No Recommendation
13PK506	992.74	Prehistoric Scatter	IR, Chipped Stone Tools, Stone Debitage	Weitzel et al. 2001; Artz 2003	Prehistoric	No	No Recommendation
13PK507	1583.92	Prehistoric Scatter	Ceramics, Masonry, Glass, Projectile Points, Stone Debitage	Sellars & Ambrosino 1998	Prehistoric	No	No Recommendation
13PK508	219.49	Mounds	Bone, FCR, Shell	Higginbottom 1990	Prehistoric	Yes	Potentially Eligible
13PK511	1733	Historic Farmstead/Residence	Ceramic, Masonry, Metal, Glass	Roberts 1991	Historic Euro-American	No	Not Eligible
13PK512	1955.89	Historic Farm/Residence	none	Forman et al. 1996; Marcucci 1999	Euro-American	No	No Recommendation
13PK513	973.86	Historic Farm/Residence	Ceramics, Metal, Glass	Forman et al. 1996	Euro-American	No	Potentially Eligible
13PK514	886.57	Lithic Scatter	Projectile Points, Chipped Stone Tools, Stone Debitage	Forman et al. 1996; Marcucci 1999	Prehistoric	No	No Recommendation
13PK515	1799.42	Historic Farm/Residence	Ceramics, Glass	Formal et al. 1996; Peterson 2013	Euro-American	No	Not Eligible
13PK516	2037.53	Structure/Building Remains	Ceramics, Metal, Glass	Formal et al. 1996; Peterson 2013	Euro-American	No	Not Eligible
13PK518	478.83	Historic Scatter	Ceramics, Glass	Snow & Finney 1991	Euro-American	No	Not Eligible
13PK519	348.91	Historic Farm/Residence	Shell, Ceramics, Glass	Snow & Finney 1991	Euro-American	No	Eligible
13PK526	1975.44	Prehistoric Scatter	Stone Debitage, IR	Perry 1992	Prehistoric	No	Not Eligible

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK527	1901.68	Prehistoric Scatter	Chipped Tools, Stone Debitage, FCR	Perry 1992	Prehistoric	No	Not Eligible
13PK528	1976.56	Historic Scatter	Ceramic, Masonry, Metal, Glass	Perry 1992	Prehistoric	No	Not Eligible
13PK529	2167.86	Historic Scatter, Structure/Building Remains	Ceramics, Glass, Metal, Historics	Snow & Rogers 1992; Weitzel et al. 2001	Euro-American	No	Not Eligible
13PK531	581.27	Lithic Workshop	Stone Debitage	Sellars & Thomson 1995	Prehistoric	No	Not Determined
13PK532	897.13	Open Habitation	Pottery, Shell, Cores, Ground or Pecked Stone, Chipped Stone Tools, Stone Debitage	Sellars & Thomson 1995	Late Prehistoric	No	Potentially Eligible
13PK534	126.32	Industrial	Ceramics, Masonry, Historic	Rogers 1993	Euro-American	No	No Recommendation
13PK535	144.20	Historic Farm/Residence	Ceramics	Stemper 1992	Euro-American	No	Not Eligible
13PK536	0.00	Road/Trail	Masonry	Stemper 1992	Euro-American	No	Not Eligible
13PK537	548.26	Historic Farm/Residence	Ceramics, Masonry	Stemper 1992	Euro-American	No	Not Eligible
13PK541	1307.28	Isolated Find	Stone Debitage	Brodnicki 1990	Prehistoric	Yes	No Recommendation
13PK595	52.98	Structure/Building Remains	Ceramics, Glass, Masonry, Metal, Historics	Weitzel 1993	Euro-American	No	Not Eligible
13PK610	900.92	Open Habitation	FCR, Pottery, Stone Debitage	Page & Rogers 1994	Prehistoric	No	No Recommendation
13PK611	945.12	Historic Farm/Residence	Glass, Masonry, Metal	Marcucci & Morrow 1993	Euro-American	No	No Recommendation
13PK612	965.03	Historic Farm/Residence	Glass, Ceramics, Masonry	Marcucci & Morrow 1993	Euro-American	No	No Recommendation
13PK613	564.43	Railroad Related	Ceramics, Glass, Metal, Shell, Bone	Morrow 1993	Euro-American	Yes	Recommended Eligible
13PK614	1015.50	Historic Scatter	Ceramics, Glass, Masonry	Page & Rogers 1994	Euro-American	No	No Recommendation
13PK622	478.85	Historic Scatter	Metal, Ceramics, Glass, Masonry, Historics	Peterson 1993	Euro-American	No	Recommended Not Eligible
13PK623	384.84	Historic Scatter	Ceramics, Glass, Historics	Peterson 1993	Euro-American	No	Not Eligible
13PK624	335.10	Historic Scatter	Historics, Glass, Ceramics	Peterson 1993	Euro-American	No	Eligible

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK625	322.49	Historic Scatter	Historics, Glass, Masonry	Peterson 1993	Euro-American	No	Not Eligible
13PK629	2128.94	Historic Farm/Residence	Historics	Artz 1994	Euro-American	No	Not Eligible
13PK630	1969.55	Historic Farm/Residence	Bone, Wood, Ceramics, Glass, Metal, Historics	Artz 2003	Euro-American	No	Eligible
13PK631	1349.40	Isolated Find	Stone Debitage	Artz 1993	Archaic	Yes	Eligible
13PK643	445.70	Structure/Building Remains	Ceramics, Metal, Historics, Glass	Peterson 1994	Euro-American	No	Eligible
13PK644	591.62	Structure/Building Remains	Ceramics, Glass, Masonry, Metal, Historics	Peterson 1994	Euro-American	No	Not Eligible
13PK645	168.45	Historic Scatter	Shell, Bone, Glass, Masonry Metal	Perry 1994	Euro-American	No	Not Eligible
13PK646	1752.40	Historic Scatter	Ceramics, Masonry	Sellars & Thompson 1995	Euro-American	No	Not Eligible
13PK647	1707.84	Historic Farm/Residence	none	Sellars & Thompson 1995	Euro-American	No	Not Eligible
13PK648	1482.71	Resource Procurement	Chipped Stone, Stone Debitage	Thompson 1994	Prehistoric	Yes	Not Determined
13PK649	2190.53	Lithic Scatter	Stone debitage	Titus et al. 1994	Prehistoric	No	Not Eligible
13PK650	2271.52	Lithic Scatter	Chipped Tools, Cores, Stone Debitage	Titus et al. 1994	Prehistoric	No	Not Eligible
13PK657	410.10	School	Masonry, Charcoal	Sellars 1994	Euro-American	Yes	Not Eligible
13PK658	639.10	Historic Farm/Residence	Ceramics, Glass, Maonry, Metal	Rogers 1994	Euro-American	Yes	Not Eligible
13PK661	591.34	Industrial	Ceramics, Glass, Masonry, Metal, Bone, Historics	Rogers 1994	Euro-American	No	Recommended Eligible
13PK663	1567.95	Historic Scatter	Ceramic, Masonry, Metal, Glass	Perry 1994	Historic Euro-American	No	Not Eligible
13PK667	571.24	Structure/Building Remains	Ceramics, Glass, Masonry, Metal, Historics	Perry 1994	Euro-American	No	Not Eligible
13PK669	746.42	Prehistoric Scatter	FCR, Chipped Stone Tools,	Anderson 1995	Prehistoric	No	Not Determined
13PK671	34.12	Historic Scatter	none	Peterson 1995; Sellars 2006	Euro-American	No	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK674	88.21	Structure Building/Remains	Glass, Masonry, Historics, Bone, Metal	Howe et al. 1996	Euro-American	No	No Recommendation
13PK680	828.75	Prehistoric Scatter, Mounds, Historic Scatter	Pottery, Projectile Points, Shell, Chipped Stone Tools, Ground or Pecked Stone, Chipped Stone Tools, Clay Pipe	Pendroy 1996; Whittaker 2015	Historic Indian, Woodland, Late Prehistoric	Yes	Potentially Eligible
13PK681	1179.09	Open Habitation, Historic Scatter	Ceramics, Glass, FCR, Masonry, Metal, Historics, Chipped Stone Tools, Stone Debitage	Mayer 1996; Fishel 1996; Peterson 2007;	Prehistoric, Euro-American	No	Not Eligible
13PK693	998.51	Lithic Workshop	Stone Debitage	Stemper 1996	Prehistoric	Yes	Not Eligible
13PK694	1052.84	Lithic Workshop	Chipped Stone Tools	Stemper 1996	Prehistoric	Yes	Not Eligible
13PK700	852.31	Historic, Farm/Residence	Masonry	Hirst 1997	Euro-American	No	Not Eligible
13PK701	555.89	Road/Trail	none	Hirst 1997	Euro-American	No	Not Determined
13PK702	223.51	Mounds, Prehistoric Cemetery, Prehistoric Scatter	Projectile Point, Ground or Pecked Stone, Chipped Stone Tools, FCR, Shell, Stone Debitage	Rogers 2005	Woodland, Middle Woodland, Late Woodland	No	Potentially Eligible
13PK703	267.27	Structure/Building Remains	Masonry, Metal	Lueck 1997	Euro-American	No	Not Eligible
13PK729	568.22	Resource Procurement	Stone Debitage	Sellars 1998	Prehistoric	No	Not Eligible
13PK730/D A133	0.00	Open Habitation	Bone, Chipped Stone Tools, Stone Debitage	Gradwohl & Osborn 1975	Prehistoric	No	No Recommendation
13PK732	1182.04	Open Habitation	FCR, Chipped Stone Tools, Stone Debitage	Rogers 1998	Prehistoric	No	Not Eligible
13PK733	831.37	Road/Trail	none	Rogers 1998	Euro-American	No	Not Eligible
13PK734	957.78	Historic Scatter	Ceramic, Masonry, Wood	Sellars 1999	Historic Euro-American	No	Not Eligible
13PK735	2057.61	Prehistoric Scatter	Chipped Tools, Stone Debitage, FCR	Sellars 1999	Prehistoric	No	No Further Work

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK739	2425.16	Historic Scatter	Masonry, Metal, Glass, Wood	Sellars 1999	Historic Euro-American	No	No Further Work
13PK767	813.12	Mounds	Human Remains	Benton & Tiffany 2000	Late Prehistoric	No	Not Determined
13PK768	872.55	Mounds	none	Benton & Tiffany 2000	Late Prehistoric	No	No Recommendation
13PK769	1421.00	Road/Trail	Wood	Sellars & Ambrosino 2000	Euro-American	No	No Recommendation
13PK773	803.17	Open Habitation	none	Fishel 1993	Prehistoric	No	No Recommendation
13PK775	2114.8	Railroad Related	Metal	Sellars 2000	Historic Euro-American	No	Not Eligible
13PK776	3067.05	Historic Scatter	Masonry, Metal, Glass, Wood	Sellars 2000	Historic Euro-American	No	Not Eligible
13PK777	553.63	Historic Scatter	Ceramics, Glass	Sephenson 2000	Euro-American	No	Not Eligible
13PK788	1375.86	Open Habitation, Historic Scatter	FCR, Ceramics, IR, Projectile Points, Cores, Stone Debitage, Chipped Stone Tools, Ground or Pecked Stone	Weitzel et al. 2001	Prehistoric, Late Woodland, Euro-American	No	Not Determined
13PK789	980.83	Lithic Scatter, Structure/Building Remains, Historic Farm/Residence	Ceramics, Masonry, Metal, Glass, Historics, Chipped Stone Tools, Stone Debitage	Peterson et al. 2006	Prehistoric, Euro-American	No	Not Evaluated
13PK790	879.15	Historic Scatter	Ceramics, Glass, Masonry, Metal, Historics	Weitzel 2001; Stephenson & Weitzel 2001	Euro-American	No	Not Eligible
13PK793	1077.16	Lithic Scatter	Stone Debitage	Weitzel et al. 2001	Prehistoric	No	Recommended Eligible
13PK794	1822.90	Open Habitation	Glass, FCR, Masonry, IR, Projectile Points, Chipped Stone Tools, Stone Debitage	Fishel 2001	Middle Archaic	No	Recommended Eligible
13PK795	1179.06	Lithic Scatter, Historic Scatter	Ceramics, Glass, Stone Debitage	Weitzel et al. 2001	Late Woodland	No	No Recommendation
13PK808	1437.86	Prehistoric Scatter	FCR, Stone Debitage	Weitzel et al. 2001	Prehistoric	No	Not Determined
13PK809	1469.27	Prehistoric Scatter	FCR, Stone Debitage	Fishel 2001	Prehistoric	No	Not Eligible
13PK810	1515.82	Isolated Find	FCR	Weitzel et al. 2001	Prehistoric	No	Not Eligible

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK811	95.25	Prehistoric Scatter, Historic Scatter	Ceramics, Glass, Stone Debitage	Weitzel et al. 2001	Euro-American, Prehistoric	No	Not Determined
13PK812	1404.98	Mounds, Isolated Burials	none	Nix 1989; Lillie 2014	Prehistoric	No	Recommended Eligible
13PK823	1086.87	Historic Scatter	Ceramic, Glass	Rooney and Golliland 2002	Historic Euro-American	No	Not Eligible
13PK829	954.53	Open Habitation	Chipped Stone Tools, Ground or Pecked Stone	Peterson 2006	Prehistoric	No	Not Eligible
13PK831	1069.55	Village	Projectile Points, Ground or Pecked Stone	Whittaker 2005	Late Prehistoric	Yes	Not Evaluated
13PK832	1567.15	Prehistoric Scatter	Ground or Pecked Stone	Whittaker 2005	Archaic	Yes	Not Evaluated
13PK833	200.26	Open Habitation	Stone Ground or Pecked, FCR	Rogers 2005	Middle Woodland, Woodland, Late Woodland	Yes	Not Eligible
13PK834	168.78	Historic Dump	Glass, Metal, Masonry	Rogers 2005	Euro-American	No	Potentially Eligible
13PK835	216.69	Road/Trail	none	Rogers 2005	Euro-American	No	Not Evaluated
13PK836	311.05	Road/Trail	none	Rogers 2005	Euro-American	No	Not Evaluated
13PK837	364.00	Industrial	Glass, Masonry, IR, Wood, Historics, Ceramics,	Rogers 2005	Euro-American	No	Potentially Eligible
13PK838	228.77	Historic Dump/ Industrial	none	Rogers 2005	Euro-American	No	Not Eligible
13PK839	308.92	Isolated Find	Stone Debitage, Ceramics, Glass, Metal, Historics, Bone, Wood, IR	Whittaker 2005	Prehistoric	No	Not Eligible
13PK840	1064.65	Isolated Burials	none	Whittaker 2005	Prehistoric	No	Not Evaluated
13PK841	2181.52	Prehistoric Scatter	none	Whittaker 2005	Prehistoric	Yes	Not Evaluated
13PK845	396.01	Prehistoric Scatter	FCR	Sellars 2007	Prehistoric	Yes	Potentially Eligible
13PK846	493.72	Prehistoric Scatter	Stone Debitage, FCR	Sellars 2007	Paleo-Indian, Prehistoric	Yes	Potentially Eligible
13PK847	684.63	Open Habitation	Prehistorics, Charcoal, Chipped Stone Tools, FCR, IR, Wood, Bone, Floral Remains, Stone Debitage	Peterson 2006; Peterson et al. 2006	Prehistoric, Middle Archaic	No	Not Evaluated

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK850	532.31	Structure/Building Remains	none	Collins 2006	Euro-American	No	Not Eligible
13PK851	553.33	Open Habitation	Chipped Stone Tools, FCR	Collins 2006	Prehistoric	No	Not Eligible
13PK853	1163.84	Open Habitation, Road/Trail	Ground or Pecked Stone, FCR, Chipped Stone Tools, Cores, Projectile Points, Metal, IR, Stone Debitage	Benn 2006	Prehistoric, Archaic, Woodland, Euro-American	No	Potentially Eligible
13PK854	936.82	Open Habitation, Historic Farm/Residence	Pottery, FCR, Bone, Ground or Pecked Stone, Cores, Chipped Stone Tools, Projectile Points, Charcoal, Stone, Debitage	Scott et al. 2010	Late Prehistoric, Late Woodland, Euro-American	No	Potentially Eligible
13PK856	52.77	Prehistoric Scatter, Structure/Building Remains, Historic Farm/Residence, Open Habitation	Chipped Stone Tools, Cores, IR, Floral Remains, Charcoal, Bone, Metal, Masonry, Glass, FCR, Projectile Points, Stone Debitage	Horgen & Anderson 2008; Nagel 2007; Nagel 2008	Euro-American, Late Woodland, Late Prehistoric	No	Potentially Eligible
13PK860	86.48	Historic Dump	none	Been & Blikre 2008	Euro-American	No	Not Eligible
13PK861	83.65	Industrial	none	Whittaker 2007	Euro-American	Yes	Not Eligible
13PK862	180.89	Historic Cemetery	none	Whittaker 2007, 2010; Cristman 2012	Euro-American	No	Not Evaluated
13PK869	375.39	Historic Farm/Residence	Masonry	Riley & Peterson 2007; Peterson 2010	Euro-American	No	No Recommendation
13PK870	1502.12	Historic Farmstead/Residence, Historic Scatter	Ceramic, Masonry, Glass	Whittaker 2007	Historic Euro-American	No	Not Eligible
13PK876	719.25	Structure/Building Remains	none	Whittaker 2007	Historic Indian, Euro-American	Yes	Not Evaluated
13PK878	37.62	Structure/Building Remains	none	Nagel 2007; Peterson & Nagel 2007	Euro-American	Yes	Not Eligible
13PK879	141.95	Structure/Building Remains	none	Nagel 2007; Peterson & Nagel 2007	Euro-American	No	Not Eligible
13PK880	176.01	Structure/Building Remains	none	Nagel 2007; Peterson & Nagel 2007	Euro-American	No	Not Eligible

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK881	94.46	Military	none	Jacobsen 2004	Euro-American	Yes	Not Evaluated
13PK882	235.11	Historic Dump	Shell	Whittaker 2007	Historic Indian, Euro-American	No	Not Evaluated
13PK883	1364.25	Historic Cemetery	none	Higginbottom 2008	Euro-American	No	Eligible
13PK884	1727.7	Railroad Related	none	Whittaker 2007	Historic Euro-American	No	Not Eligible
13PK885	383.58	Mounds	none	Whittaker 2008	Historic Indian, Woodland, Late Prehistoric	No	Not Evaluated
13PK895	509.76	Isolated Find	Chipped Stone Tools	Hill 2008	Prehistoric	Yes	Not Eligible
13PK896	598.97	Mounds	none	Nagel 2008	Woodland	Yes	Not Evaluated
13PK898	1480.61	Historic Farmstead/Residence	Ceramic, Glass, Masonry	Finn 2008	Historic Euro-American	Yes	Not Evaluated
13PK899	589.85	Prehistoric Scatter	Ground or Pecked Stone	Doershuk 2007	Archaic, Woodland	Yes	Not Evaluated
13PK904	3030.23	Prehistoric Scatter, Open Habitation, Historic Farmstead/Residence	Stone Debitage, FCR, Ceramics, Masonry, Metal, Glass, Bone	Morrow 2009; Morrow and Huerter 2009	Prehistoric, Historic Euro-American	No	Recommended Eligible
13PK905	2024.05	Structure/building remains	Ceramic, Glass, Plastic	Morrow 2009; Morrow and Huerter 2009	Historic Euro-American	No	Not Eligible
13PK908	534.37	Open Habitation, Prehistoric Scatter	Chipped Stone Tools, FCR, Bone, Stone Debitage,	Blikre & Zeller 2009; Thompson & Lee 2010	Prehistoric	No	Not Eligible
13PK910	1930.11	Industrial	none	Morrow 2009	Euro-American	Yes	Not Evaluated
13PK916	37.03	Structure/Building Remains	none	Rogers 2009	Euro-American	Yes	Not Eligible
13PK917	127.02	Historic Farm/Residence	none	Resnick 2009	Euro-American	Yes	No Recommendation
13PK918	49.96	Industrial	none	Resnick 2009	Euro-American	Yes	No Recommendation
13PK923	86.02	Resource Procurement	none	Resnick 2009	Euro-American	Yes	No Recommendation

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK924	85.72	Industrial	none	Resnick 2009	Euro-American	Yes	No Recommendation
13PK925	105.85	Historic Farm/Residence	none	Resnick 2009	Euro-American	Yes	No Recommendation
13PK926	261.47	Historic Farm/Residence	none	Resnick 2009	Euro-American	No	No Recommendation
13PK927	1678.62	Historic Farm/Residence	none	Resnick 2009	Euro-American	Yes	No Recommendation
13PK928	686.00	Historic Farm/Residence	none	Resnick 2009	Euro-American	Yes	No Recommendation
13PK929	351.77	Historic Farm/Residence	none	Resnick 2009	Euro-American	Yes	No Recommendation
13PK930	770.38	Historic Farm/Residence	none	Resnick 2009	Euro-American	Yes	No Recommendation
13PK931	1083.24	Historic Farm/Residence	none	Resnick 2009	Euro-American	Yes	No Recommendation
13PK932	242.95	Historic Farm/Residence	none	Resnick 2009	Euro-American	Yes	No Recommendation
13PK933	166.42	Historic Farm/Residence	none	Resnick 2009	Euro-American	Yes	No Recommendation
13PK934	611.26	Historic Farm/Residence	none	Resnick 2009	Euro-American	Yes	No Recommendation
13PK938	2018.13	Historic Farmstead/Residence	none	Resnick 2009	Historic Euro-American	Yes	Not Evaluated
13PK939	648.03	Historic Farm/Residence	none	Resnick 2009	Euro-American	Yes	No Recommendation
13PK940	1297.71	Historic Farm/Residence	none	Resnick 2009	Euro-American	Yes	No Recommendation
13PK941	1874.39	Historic Farm/Residence	none	Resnick 2009	Euro-American	Yes	No Recommendation
13PK943	437.84	Historic Dump	Glass, Metal, Historic, Ceramics	Resnick 2009	Euro-American	Yes	Not Eligible
13PK944	0.00	Railroad Related	none	Resnick 2009	Euro-American	Yes	Potentially Eligible

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK945	830.39	Structure/Building Remains	Glass, Masonry, Ceramics, Bone, Metal, Historics	Howell 2008; Morrow 2010	Euro-American	No	No Recommendation
13PK946	2227.61	Historic Dump	Ceramic, Glass, Wood	Till and Whittaker 2010	Historic Euro-American	No	Not Eligible
13PK948	1071.05	Historic Farm/Residence	Glass, Ceramics, Masonry, Metal, Bone	Rogers 2008	Euro-American	Yes	Not Evaluated
13PK949	774.92	Lithic Scatter	Stone Debitage	Anderson 2010	Prehistoric	No	Not Eligible
13PK950	626.60	Industrial	Masonry	Morrow 2010	Euro-American	No	Not Eligible
13PK952	170.75	Historic Cemetery	none	Whittaker 2010	Euro-American	No	Not Evaluated
13PK953	436.27	Historic Cemetery	none	Whittaker 2010	Euro-American	No	No Recommendation
13PK956	840.48	Historic Cemetery	none	Whittaker 2010	Euro-American	No	Not Evaluated
13PK958	404.37	Historic Cemetery	none	Whittaker 2010	Euro-American	No	Not Evaluated
13PK966	537.55	Open Habitation	Cores, FCR, Burned Earth, Daub, Prehistoric, Bone, Shell, Charcoal, Floral Remains, Wood, Projectile Point	Whittaker et al 2014; Whittaker Pope 2014; Alex 2013	Middle Archaic	No	Eligible
13PK968	6.87	Historic Dump	Ceramics, Glass, Metal, Historics, Wood, Masonry, Charcoal	Blikre 2010	Euro-American	No	Not Eligible
13PK972	181.86	Isolated Find	Stone Debitage	Christman 2011	Prehistoric	No	Not Eligible
13PK973	1759.96	Historic Scatter, Structure/Building Remains, Historic Farm/Residence	Charcoal, Masonry, Historics	Hedden 2011	Euro-American	No	Not Eligible
13PK975	1312.48	Historic Scatter, Railroad Related	Metal, Wood, Historics	Sellars 2011	Euro-American	Yes	Not Eligible
13PK976	1407.04	Historic Scatter	Ceramics, Masonry, Metal, Wood, Glass, Historics	Sellars 2011	Euro-American	Yes	Not Eligible
13PK983	380.91	Historic Farm/Residence, Other Historic	Glass, Masonry, Metal, Shell, Wood, Ceramics, Bone	Rogers 2012	Euro-American	No	Potentially Eligible
13PK988	129.89	Historic Cemetery	none	Whittaker 2013; Rogers 2015	Euro-American	Yes	Not Evaluated

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13PK990	65.76	Historic Dump	Bone, Ceramics, Glass, Masonry	Kendall 2013	Euro-American	Yes	Not Eligible
13PK991	1909.06	Prehistoric Scatter	FCR, IR	Peterson 2013	Prehistoric	No	Not Eligible
13PK992	1322.78	Prehistoric, Historic Euro-American, Historic Indian	Point, Bronze pendent	Higginbottom 2013	Prehistoric, Historic Euro-American, Historic Indian	Yes	Recommended Eligible
13PK1002	411.23	Open Habitation, Historic Farm/Residence	Stone Debitage, FCR, Bone, Glass, Metal, Masonry, Historic	Rogers 2014	Euro-American, Prehistoric	Yes	No Recommendation
13PK1008	1705.89	Historic Farmstead/Residence, Historic Scatter	Ceramic, Glass, Masonry, Metal, Coal	Sellars 2014	Historic Euro-American	Yes	Not Eligible
13PK1010	71.40	Other Historic	none	Rogers 2015	Euro-American	Yes	No Recommendation
13SR14	888.19	Prehistoric Scatter	none	Slattery 1991	Archaic	No	No Recommendation
13SR17	979.63	Abandoned Town	none	Slattery 1991	Euro-American	No	No Recommendation
13WA1	120.28	Prehistoric Scatter	Projectile Points	McKusick & Ries 1962	Prehistoric	No	No Recommendation
13WA2	319.76	Prehistoric Scatter, Open Habitation, Village, Isolated Burials	Pottery, Bone, Chipped Stone Tools, Stone Debitage, Cores, Ground or Pecked Stone, Prehistorics, Glass, Ceramics, Human Remains, Metal	Wheeler 1949; McKusick & Ries 1962; Zieglowsky 1985; Lillie 2014	Late Prehistoric, Euro-American	No	Not Evaluated
13WA5	271.27	Open Habitation	Prehistorics, FCR, Chipped Stone Tools, Stone Debitage	Wheeler 1949; Collins 1988	Late Prehistoric	No	No Recommendation
13WA6	192.24	Mounds	Stone Debitage	McKusick & Ries 1962	Prehistoric	No	No Recommendation
13WA8	66.85	Open Habitation	Stone Debitage, Chipped Stone Tools, Ground or Pecked Stone	McKusick & Ries 1962	Prehistoric	No	No Recommendation
13WA20	296.46	Lithic Scatter	IR, Projectile Points, Stone Debitage	Hudson 1984	Prehistoric	No	No Recommendation
13WA38	951.37	Lithic Scatter	Stone Debitage	Collins 1988	Prehistoric	No	Not Eligible
13WA39	435.87	Lithic Scatter	Stone Debitage	Collins 1988	Prehistoric	No	Not Eligible

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13WA42	8.29	Industrial	Historics	Collins 1988; Weitzel 1996	Euro-American	No	Not Eligible
13WA43	144.74	Prehistoric Scatter	Projectile Points, Stone Debitage	Collins 1988	Prehistoric	No	No Recommendation
13WA44	124.30	Prehistoric Scatter	Pottery, Chipped Stone Tools, Ground or Pecked Stone, Stone Debitage	Collins 1988	LatePrehistoric, Woodland	No	No Recommendation
13WA45	179.60	Mounds	none	Collins 1988	Prehistoric	No	No Recommendation
13WA48	61.23	Open Habitation	Pottery, Projectile Points, Ground or Pecked Stone, Chipped Stone Tools	Williams 1989	Late Prehistoric, Woodland	Yes	No Recommendation
13WA49	247.39	Open Habitation	Chipped Stone Tools, Stone Debitage, Ground or Pecked Stone Tools	Williams 1989	Woodland	Yes	No Recommendation
13WA50	103.64	Prehistoric Scatter	FCR, Metal, Projectile Points, Ground or Pecked Stone, Stone Debitage	Williams 1989	Woodland	Yes	No Recommendation
13WA51	308.43	Prehistoric Scatter	Projectile Points, Stone Debitage, Prehistoric	Williams 1989	Woodland	Yes	No Recommendation
13WA52	189.31	Historic Scatter	Ceramics, Projectile Points, Stone Debitage	Williams 1989	Woodland, Euro-American	Yes	No Recommendation
13WA63	393.70	Lithic Scatter, Isolated Find	FCR, Metal, Stone Debitage	Pillippe & Halpin 1989	Prehistoric, Euro-American	No	Not Eligible
13WA69	221.89	Lithic Scatter	FCR, Stone Debitage	Pillippe & Halpin 1989	Prehistoric	No	Not Eligible
13WA70	252.76	Lithic Scatter	FCR, Cores, Stone Debitage	Pillippe & Halpin 1989	Prehistoric	No	Not Eligible
13WA87	94.81	Prehistoric Scatter	Pottery, Projectile Points, Stone Debitage	Rogers 1993	Late Prehistoric	No	Not Eligible
13WA101	841.19	Prehistoric Scatter, Lithic Workshop, Historic Scatter	Ceramics, Masonry, Historics, IR, Pottery, Projectile Points, Cores, Chipped Stone Tools, Stone Debitage	Meseke 2003	Prehistoric, Euro-American	Yes	Not Evaluated

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13WA102	460.94	Prehistoric Scatter, Lithic Workshop, Historic Scatter	Bone, Ceramics, Masonry, Pottery, Projectile Points, Shell, Cores, Chipped Stone Tools, Ground or Pecked Stone, Stone Debitage	Meseke 2003	Prehistoric, Late Woodland, Euro-American	No	Not Evaluated
13WA103	373.64	none	none	Gradwohl 1966; Gradwohl 1974	Woodland	No	No Recommendation
13WA104	679.06	none	none	Gradwohl 1966; Gradwohl 1974	Woodland	No	No Recommendation
13WA105	312.28	Prehistoric Scatter, Open Habitation, Isolated Burials	Human Remains, lithics	Schermer 1986; Collins 1988; Lillie 2014	Late Prehistoric	No	Not Evaluated
13WA106	203.10	Isolated Find	Stone Debitage	Forman 1993	Prehistoric	No	Not Determined
13WA107	193.11	none	none	Gradwohl 1966	Woodland, Euro-American	No	No Recommendation
13WA108	511.60	Village, Open Habitation	Bone, Pottery, Ground or Pecked Stone, Chipped Stone Tools, Stone Debitage, Prehistorics	Tiffany 1980; Scermer 1986; Collins 1989	Late Prehistoric	No	Not Determined
13WA110	605.70	none	none	Gradwohl 1966	Prehistoric, Euro-American	Yes	No Recommendation
13WA174	0.00	Railroad Related	Historics	Rogers 1999	Euro-American	No	Not Eligible
13WA182	629.06	Structure/Building Remains	none	Dasovich 2001	Euro-American	Yes	Recommended Eligible
13WA253	212.25	Structure/Building Remains	none	Resnick 2009	Euro-American	Yes	No Recommendation
13WA256	38.16	Historic Farm/Residence	none	Resnick 2009	Euro-American	Yes	No Recommendation
13WA258	439.44	Historic Farm/Residence	none	Resnick 2009	Euro-American	Yes	No Recommendation
13WA260	32.71	Historic Farm/Residence	none	Resnick 2009	Euro-American	Yes	No Recommendation
13WA280	374.35	Historic Farm/Residence	Metal, Masonry, Historics	Morrow et al. 2013	Euro-American	No	Not Eligible

Table 4. Previously Recorded Sites in the Study Area (continued).

SITE	Distance to river (m)	Site type	Reported artifacts	Selected citation(s)	Cultural association	ISF form only	Archaeologist's NRHP recommendations
13WA281	235.42	Historic Scatter	Ceramics, Glass	Morrow et al. 2013	Euro-American	No	Not Eligible
13WA282	50.64	Historic Farm/Residence	Ceramics, Glass, Metal, Masonry	Morrow et al. 2013	Euro-American	No	Not Eligible

Table 5: The Study Area's Architectural Properties with the Iowa Site Inventory Form.

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
0	08-00019	C.M. St. P. & P. Railroad over the Des Moines River		Structure	Madrid	1912	21
1	08-01701	High Trestle Trail Railroad Abutment		Structure	Woodward	1911	205
2	25-00005	Callanan, James C., House		Building(s)	Booneville	0	1,566
3	25-00006	Farnsley, Margret Boone, House		Building(s)	Booneville	1900	1,064
4	25-00008	Platt Brick and Fire Proofing Company		Building(s)	Van Meter	1911	408
5	25-00279	Booneville Methodist Church		Building(s)	Booneville	1890	613
6	25-00280	Crawford, John, House		Building(s)	Booneville	0	664
7	25-00281	Booneville Store		Building(s)	Booneville	1917	520
8	25-00282	Booneville School		Building(s)	Booneville	1870	342
9	25-00283	Booneville Savings Bank		Building(s)	Booneville	1902	440
10	25-00284	Cook, C.C., House		Building(s)	Booneville	0	406
11	25-00285	House		Building(s)	Booneville	0	388
12	25-00877	House		Building(s)	Van Meter	0	306
13	25-00878	House		Building(s)	Van Meter	0	673
14	25-00880	House		Building(s)	Van Meter	0	421
15	25-00881	Methodist Episcopal Church		Building(s)	Van Meter	1882	535
16	25-00882	House		Building(s)	Van Meter	0	602
17	25-00883	House		Building(s)	Van Meter	0	411
18	25-00884	House		Building(s)	Van Meter	0	378
19	25-00885	House		Building(s)	Van Meter	0	345
20	25-00886	Platt, James L., Jr., House		Building(s)	Van Meter	0	354
21	25-00887	House		Building(s)	Van Meter	0	419
22	25-00888	House		Building(s)	Van Meter	0	368
23	25-00889	Van Meter Public Library		Building(s)	Van Meter	0	331
24	25-00890	Building		Building(s)	Van Meter	0	310
25	25-00891	United Brethren Church		Building(s)	Van Meter	1874	512
26	25-00892	McNair, Cleburg, House		Building(s)	Van Meter	0	420
27	25-00893	House		Building(s)	Van Meter	0	568
28	25-00894	House		Building(s)	Van Meter	1900	494
29	25-00895	Goar, Eli, House		Building(s)	Van Meter	1910	457
30	25-00896	House		Building(s)	Van Meter	1900	394

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
31	25-00897	House		Building(s)	Van Meter	1900	359
32	25-00898	House		Building(s)	Van Meter	0	702
33	25-00899	House		Building(s)	Van Meter	0	539
34	25-00900	House		Building(s)	Van Meter	0	511
35	25-00901	House		Building(s)	Van Meter	0	433
36	25-00902	McNair, Cleburg, General Store		Building(s)	Van Meter	1893	481
37	25-00903	Van Meter Library		Building(s)	Van Meter	0	365
38	25-00904	D. and J. Grocery		Building(s)	Van Meter	0	343
39	25-01176	Des Moines Water Works Pump-house		Building(s)	Booneville	1943	45
40	25-01309	Feller, Robert William Andrew, Farmstead	12/17/1999	District	Van Meter	1918	1,749
41	25-01310	Feller, Robert William Andrew, Farmstead: House	12/17/1999	Building(s)	Van Meter	1918	1,703
42	25-01311	Feller, Robert William Andrew, Farmstead: Barn	12/17/1999	Building(s)	Van Meter	1918	1,672
43	25-01312	Feller, Robert William Andrew, Farmstead: Livestock Loafing Shed	12/17/1999	Building(s)	Van Meter	1918	1,650
44	25-01313	Feller, Robert William Andrew, Farmstead: Pitching Site	12/17/1999	Site	Van Meter	0	1,690
45	25-01314	Bridge #131260		Structure	Van Meter	0	1,820
46	25-01315	Bridge		Structure	Van Meter	0	428
47	25-01367	Van Meter Junior-Senior High School		Building(s)	Van Meter	0	649
48	25-01516	Pierce, Florence, House		Building(s)	Van Meter	1910	319
49	25-01517	DeCamp, Matthew & Joyce, House		Building(s)	Van Meter	1920	460
50	25-01518	Taft, Charles & Ila, House		Building(s)	Van Meter	1900	329
51	25-01540	South Racoon River Bridge # 131250		Structure	Van Meter	1954	17
52	25-01540	South Racoon River Bridge # 131250		Structure	Van Meter	1954	17
53	25-01542	Acri, Suellen, House		Building(s)	Van Meter	0	558
54	25-01561	Farmstead - McKinney Homestead		Structure	West Des Moines	1865	1,878
55	25-01562	Farmstead - Donald Boston		Site	West Des Moines	1910	1,787

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
56	25-01639	Knight, Crystal & James, House		Building(s)	Van Meter	1890	536
57	50-00048	Oswalt Bridge #197320		Structure	Colfax	1937	420
58	50-00256	House		Building(s)	Colfax	0	437
59	50-00257	House		Building(s)	Colfax	0	422
60	50-00258	House		Building(s)	Colfax	1900	1,103
61	50-00259	House		Building(s)	Colfax	0	1,103
62	50-00261	House		Building(s)	Colfax	0	833
63	50-00279	House		Building(s)	Colfax	0	1,063
64	50-00280	House		Building(s)	Colfax	0	549
65	50-00285	Church		Building(s)	Colfax	0	4
66	50-00286	Sharp, Stanford, House		Building(s)	Colfax	1908	4,437
67	50-00287	House		Building(s)	Colfax	0	4,482
68	50-00288	House		Building(s)	Colfax	0	4,402
69	50-00289	Barn		Building(s)	Colfax	0	4,405
70	50-00290	Church		Building(s)	Colfax	1914	4,245
71	50-00293	House		Building(s)	Colfax	0	4,053
72	50-00294	House		Building(s)	Colfax	0	4,061
73	50-00306	House		Building(s)	Colfax	0	4,497
74	50-00307	House		Building(s)	Colfax	0	4,527
75	50-00308	House		Building(s)	Colfax	0	4,589
76	50-00309	House		Building(s)	Colfax	0	4,595
77	50-00310	House		Building(s)	Colfax	0	4,595
78	50-00316	House		Building(s)	Colfax	0	4,498
79	50-00317	House		Building(s)	Colfax	0	4,333
80	50-00318	House		Building(s)	Colfax	0	4,433
81	50-00345	House		Building(s)	Colfax	0	4,555
82	50-00791	House		Building(s)	Colfax	0	4,487
83	50-00792	House		Building(s)	Colfax	0	4,389
84	50-00795	House		Building(s)	Colfax	0	4,384
85	50-00796	House		Building(s)	Colfax	0	4,589
86	50-01406	House		Building(s)	Colfax	0	4,191
87	50-01446	House		Building(s)	Colfax	0	4,300
88	50-01525	Carr Farm		District	Mitchellville	0	4,125
89	50-01526	Carr Farm: House		Building(s)	Mitchellville	0	4,309
90	50-01527	Carr Farm: Machine Shed I		Building(s)	Mitchellville	0	4,641
91	50-01551	Brant, Joanne, House		Building(s)	Colfax	0	4,323

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
92	50-01552	Lewis, Kevin & Patricia, House			Colfax	0	4,291
93	50-01553	Stanzyk, Ted & Carla, House		Building(s)	Colfax	0	4,290
94	50-01554	Ahn, Daniel, House		Building(s)	Colfax	0	4,146
95	50-01575	Dille, Jeff and Bobbi, House		Building(s)	Colfax	1870	4,415
96	25-01658	Marietta, Martin, Farmstead: House		Building(s)	West Des Moines	1890	1,964
97	25-01659	Marietta, Martin, Farmstead: Barn		Building(s)	West Des Moines	1938	1,907
98	25-01657	Marietta, Martin, Farmstead		District	West Des Moines	1890	1,974
99	25-01669	Iowa Veterans Cemetery		Site	Van Meter	0	4,521
100	25-01669	Iowa Veterans Cemetery		Site	Van Meter	0	4,528
101	77-00665	Veneman's Bungalow Court Historic District	11/21/2000	District	Des Moines	1924	4,355
102	77-01703	Civic Center Historic District	12/7/1988	District	Des Moines	0	4,286
103	77-01707	Owl's Head Historic District	10/11/1978	District	Des Moines	0	4,431
104	77-01708	Bates Park Historic District	10/25/1996	District	Des Moines	0	2,029
105	77-01709	Chautauqua Park Historic District	3/22/1990	District	Des Moines	0	2,045
106	77-01711	Riverview Park Plat Historic District	10/25/1996	District	Des Moines	0	1,918
107	77-01712	The Oaklands Historic District	10/25/1996	District	Des Moines	0	1,843
108	77-01715	Prospect Park Second Plat Historic District	4/23/1998	District	Des Moines	0	1,845
109	77-01716	West Ninth Streetcar Line Historic District	4/23/1998	District	Des Moines	0	1,946
110	77-01801	Grocers Wholesale Cooperative, Inc.		Building(s)	Des Moines	1930	1,962
111	77-01802	Sexauer, George P. and Sons, Seeds		Building(s)	Des Moines	1930	1,942
112	77-01803	Hubbell Warehouse	10/12/2010	Building(s)	Des Moines	1913	1,930
113	77-01804	Hawkeye Transfer Company	3/31/2010	Building(s)	Des Moines	1902	1,897
114	77-01805	Century Lumber Company Warehouse No. 1		Building(s)	Des Moines	1915	1,975

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
115	77-01806	Darwin Impressions & T-Shirt Graphics		Building(s)	Des Moines	1994	2,047
116	77-01807	Office Building and Warehouse		Building(s)	Des Moines	1976	2,071
117	77-01808	Warehouse and Office Building		Building(s)	Des Moines	1973	1,505
118	77-02026	Lamaire House		Building(s)	Runnells	1900	583
119	77-02063	House and Barn		Building(s)	Pleasant Hill	1980	567
120	77-02064	House and Barn		Building(s)	Pleasant Hill	1980	587
121	77-02065	Farmstead		District	Pleasant Hill	1976	689
122	77-02066	Des Moines River Bridge		Structure	Des Moines	1937	743
123	77-02067	Iowa Power & Light Company Power Plant		Building(s)	Des Moines	1925	13
124	77-02070	Armstrong, V.L., House		Building(s)	Des Moines	1900	648
125	77-02072	House and Machine Shed		Building(s)	Des Moines	1980	856
126	77-02073	Farmstead		District	Des Moines	1865	616
127	77-02074	Farmstead: House		Building(s)	Des Moines	1865	135
128	77-02078	House, Garage, and Shed		Building(s)	Des Moines	1965	411
129	77-02102	House		Building(s)	Des Moines	0	196
130	77-02103	Silo		Structure	Des Moines	0	858
131	77-02104	Bridge		Structure	Des Moines	0	614
132	77-02112	Walnut Woods State Park		District	West Des Moines	1935	480
133	77-02113	Walnut Woods State Park: Park Office		Building(s)	West Des Moines	0	426
134	77-02114	Walnut Woods State Park: Garage		Building(s)	West Des Moines	0	589
135	77-02115	Walnut Woods State Park: Park Ranger's Residence		Building(s)	West Des Moines	1940	337
136	77-02116	Walnut Woods State Park: Latrine Foundation		Structure	West Des Moines	0	474
137	77-02117	Walnut Woods State Park: Lodge		Building(s)	West Des Moines	1938	693
138	77-02118	Walnut Woods State Park: Drinking Fountain		Structure	West Des Moines	1938	539
139	77-02119	Walnut Woods State Park: Entrance Gate		Structure	West Des Moines	1938	558

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
140	77-02120	Walnut Woods State Park: Footbridge Abutments		Structure	West Des Moines	1938	355
141	77-02121	Walnut Woods State Park: Fish-rearing Pond		Structure	West Des Moines	1935	634
142	77-02122	Walnut Woods State Park: Entrance Portals		Structure	West Des Moines	1938	459
143	77-02128	Bridge Over Chicago, Rock Island, & Pacific Railroad # 040810		Structure	West Des Moines	1934	558
144	77-02129	House		Building(s)	West Des Moines	1900	247
145	77-02136	Kramma House		Building(s)	West Des Moines	1860	336
146	77-02200	Bridge #281370		Structure	Johnston	1959	322
147	77-02204	Rude House		Building(s)	Des Moines	0	243
148	77-02206	Silos		Structure	Des Moines	0	169
149	77-02212	House		Building(s)	Des Moines	0	334
150	77-02213	House		Building(s)	Des Moines	0	704
151	77-02214	House		Building(s)	Des Moines	0	706
152	77-02216	Bauman, John, Farmstead:		District	Johnston	1885	708
153	77-02217	Bauman, John, Farmstead: House		Building(s)	Johnston	1910	581
154	77-02218	Bauman, John, Farmstead: Barn		Building(s)	Johnston	1940	574
155	77-02274	Bridge #251580		Structure	Elkhart	0	567
156	77-02274	Bridge #251580		Structure	Elkhart	0	473
157	77-02275	House		Building(s)	Bondurant	1949	528
158	77-02276	House		Building(s)	Bondurant	1949	557
159	77-02282	House		Building(s)	Bondurant	1960	491
160	77-02283	House		Building(s)	Bondurant	0	761
161	77-02284	House		Building(s)	Bondurant	0	1,792
162	77-02285	House		Building(s)	Bondurant	0	1,798
163	77-02286	House		Building(s)	Bondurant	0	1,771
164	77-02287	House		Building(s)	Bondurant	0	1,634
165	77-02337	Bridge		Structure	Johnston	0	1,614
166	77-02343	Des Moines River Bridge		Structure	Polk City	0	1,624
167	77-02344	House		Building(s)	Polk City	0	1,221
168	77-02353	Camp Dodge: Water Storage Tank		Structure	Johnston	1917	1,050
169	77-02414	Polich, John, House		Building(s)	Loring	0	793

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
170	77-02427	Bridge #282590		Structure	Elkhart	1940	6
171	77-02428	Skunk River Bridge #282630		Structure	Loring	1915	133
172	77-02432	House		Building(s)	Elkhart	0	2,216
173	77-02433	Grain Bin		Structure	Elkhart	0	2,133
174	77-02434	Skunk River Bridge #282700		Structure	Elkhart	1928	2,176
175	77-02434	Skunk River Bridge #282700		Structure	Elkhart	1928	1,889
176	77-02437	Bridge		Structure	Elkhart	0	1,807
177	77-02437	Bridge		Structure	Elkhart	0	1,789
178	77-02446	House		Building(s)	Elkhart	0	1,921
179	77-02447	Bridge		Structure	Elkhart	0	2,114
180	77-02449	Mathis, Ralph, House		Building(s)	Elkhart	0	2,132
181	77-02460	Cory Grove Chapel and Byers Cemetery		Building(s)	Elkhart	1895	2,139
182	77-02461	Nicodemus School		Building(s)	Elkhart	1900	1,828
183	77-02504	Des Moines River Bridge		Structure	Polk City	0	1,653
184	77-02505	Des Moines		Structure	Polk City	1909	1,784
185	77-02506	House		Building(s)	Polk City	0	2,050
186	77-02509	Beattie, William, Store		Site	Runnells	1860	1,204
187	77-02586	House		Building(s)	Avon Station	0	1,249
188	77-02622	House		Building(s)	Carlisle	0	912
189	77-02623	House		Building(s)	Carlisle	0	131
190	77-02633	Brenton House		Building(s)	Des Moines	0	13
191	77-02634	River Walls	12/7/1988	Structure	Des Moines	1933	311
192	77-02635	West Riverfront Park & East Riverfront Park	12/7/1988	Site	Des Moines	1901	243
193	77-02636	Municipal Building	11/10/1977	Building(s)	Des Moines	1910	266
194	77-02637	Globe Machinery and Supply Company		Building(s)	Des Moines	1911	286
195	77-02638	Armory and World War Memorial Building	12/7/1988	Building(s)	Des Moines	1934	287
196	77-02640	House		Building(s)	Des Moines	1900	282
197	77-02641	House		Building(s)	Des Moines	1922	304
198	77-02642	House		Building(s)	Des Moines	1925	221
199	77-02645	Baker Barbed Wire Factory		Building(s)	Des Moines	1879	340

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
200	77-02646	Brown-Camp Hardware Company Building		Building(s)	Des Moines	1924	302
201	77-02647	Sakulin, Barney, Log House		Building(s)	Des Moines	1843	166
202	77-02648	Van Dyck's Grocery		Building(s)	Des Moines	1892	302
203	77-02649	House		Building(s)	Des Moines	1905	901
204	77-02650	Commercial Structure		Building(s)	Des Moines	0	1,175
205	77-02651	House		Building(s)	Des Moines	1902	12
206	77-02652	House		Building(s)	Des Moines	1920	3,190
207	77-02653	Balistrieri Des Moines Macaroni Factory		Building(s)	Des Moines	1872	1,087
208	77-02654	House		Building(s)	Des Moines	1882	835
209	77-02655	House		Building(s)	Des Moines	0	897
210	77-02656	Little People's Learning Center		Building(s)	Des Moines	1950	799
211	77-02657	Clifton Heights Presbyterian Church		Building(s)	Des Moines	1923	570
212	77-02659	2nd Avenue Overpass		Structure	Des Moines	1936	182
213	77-02661	Electrical Substation		Structure	Des Moines	0	140
214	77-02662	United States Post Office	11/19/1974	Building(s)	Des Moines	1908	185
215	77-02663	Windsor Purity Candy Company		Building(s)	Des Moines	1910	2,134
216	77-02664	Commercial Building		Building(s)	Des Moines	0	2,134
217	77-02666	Hewitt Building		Building(s)	Des Moines	1880	2,019
218	77-02667	St. Mary's Catholic Church		Building(s)	Des Moines	1874	2,166
219	77-02668	United States Postal Service Bulk Mail Center		Building(s)	Des Moines	0	2,936
220	77-02669	Commercial Building		Building(s)	Des Moines	0	1,760
221	77-02670	Colonial Baking Company		Building(s)	Des Moines	1926	1,721
222	77-02671	Commercial Building		Building(s)	Des Moines	0	1,739
223	77-02672	Commercial Building		Building(s)	Des Moines	0	1,774
224	77-02673	Commercial Building		Building(s)	Des Moines	0	1,950
225	77-02674	House		Building(s)	Des Moines	0	2,056
226	77-02675	House		Building(s)	Des Moines	0	1,361
227	77-02676	House		Building(s)	Des Moines	0	375

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
228	77-02677	House		Building(s)	Des Moines	0	957
229	77-02678	House		Building(s)	Des Moines	0	1,422
230	77-02679	Commercial Building		Building(s)	Des Moines	0	3,154
231	77-02680	Schiebout Tire Company		Building(s)	Des Moines	0	2,743
232	77-02681	House		Building(s)	Des Moines	0	1,620
233	77-02682	Budget Brake		Building(s)	Des Moines	0	3,116
234	77-02683	Ken's Body Shop		Building(s)	Des Moines	0	6
235	77-02684	Commercial Building		Building(s)	Des Moines	0	6
236	77-02685	Animal Emergency Clinic		Building(s)	Des Moines	0	2,430
237	77-02686	Commercial Building		Building(s)	Des Moines	0	3,149
238	77-02687	Commercial Building		Building(s)	Des Moines	0	634
239	77-02688	Doherty's Flowers		Building(s)	Des Moines	0	671
240	77-02689	Industrial Supplies		Building(s)	Des Moines	0	1
241	77-02690	Radiator Services, Inc.		Building(s)	Des Moines	0	1
242	77-02691	R. & R. Welding Supply		District	Des Moines	0	1,321
243	77-02692	Marick Refrigeration		Building(s)	Des Moines	0	1,321
244	77-02693	House		Building(s)	Des Moines	0	1,407
245	77-02694	House		Building(s)	Des Moines	0	648
246	77-02695	House		Building(s)	Des Moines	0	1,416
247	77-02696	House		Building(s)	Des Moines	0	1,446
248	77-02697	House		Building(s)	Des Moines	0	1,200
249	77-02698	Mascaro Eavesputing		Building(s)	Des Moines	0	198
250	77-02699	Malco Electro-Way		Building(s)	Des Moines	0	45
251	77-02700	House		Building(s)	Des Moines	0	1,354
252	77-02701	Auto Re-Nu		Building(s)	Des Moines	0	1,841
253	77-02703	House		Building(s)	Des Moines	0	1,301
254	77-02704	House		Building(s)	Des Moines	0	1,212
255	77-02705	House		Building(s)	Des Moines	0	1,116
256	77-02706	House		Building(s)	Des Moines	0	932
257	77-02707	House		Building(s)	Des Moines	0	77
258	77-02708	House		Building(s)	Des Moines	0	23
259	77-02709	House		Building(s)	Des Moines	0	126
260	77-02710	House		Building(s)	Des Moines	0	131
261	77-02711	House		Building(s)	Des Moines	0	147

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
262	77-02712	House		Building(s)	Des Moines	0	557
263	77-02713	House		Building(s)	Des Moines	0	564
264	77-02714	House		Building(s)	Des Moines	0	570
265	77-02715	House		Building(s)	Des Moines	0	103
266	77-02716	House		Building(s)	Des Moines	0	105
267	77-02717	House		Building(s)	Des Moines	0	122
268	77-02718	House		Building(s)	Des Moines	0	298
269	77-02719	House		Building(s)	Des Moines	0	323
270	77-02720	House		Building(s)	Des Moines	0	357
271	77-02721	House		Building(s)	Des Moines	0	335
272	77-02722	House		Building(s)	Des Moines	0	336
273	77-02723	House		Building(s)	Des Moines	0	357
274	77-02724	House		Building(s)	Des Moines	0	364
275	77-02725	House		Building(s)	Des Moines	0	366
276	77-02726	Home of Marshall's Horseradish	10/22/1998	Building(s)	Des Moines	1886	371
277	77-02727	House		Building(s)	Des Moines	0	411
278	77-02729	House		Building(s)	Des Moines	0	122
279	77-02730	House		Building(s)	Des Moines	0	705
280	77-02731	House		Building(s)	Des Moines	1880	152
281	77-02732	Vacant Lot		Structure	Des Moines	0	196
282	77-02733	House		Building(s)	Des Moines	0	196
283	77-02734	House		Building(s)	Des Moines	1902	182
284	77-02735	Shamrock House		Building(s)	Des Moines	1875	147
285	77-02736	Des Moines Stove Repair		Building(s)	Des Moines	1880	366
286	77-02737	House		Building(s)	Des Moines	0	468
287	77-02738	House		Building(s)	Des Moines	0	464
288	77-02739	Garage		Building(s)	Des Moines	0	478
289	77-02740	Ben Small's Warehouse Sales		Building(s)	Des Moines	0	495
290	77-02742	Webb, R.C. & Company, Warehouse		Building(s)	Des Moines	1870	496
291	77-02743	Taft, C.C., Company Warehouse		Building(s)	Des Moines	1880	546
292	77-02744	Davidson Brothers Company Warehouse		Building(s)	Des Moines	1900	547
293	77-02745	Langan Brothers Company Building		Building(s)	Des Moines	1892	561
294	77-02746	Commercial Building		Building(s)	Des Moines	1892	561

Table 5, continued

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
295	77-02747	Taft-West Warehouse	12/20/2006	Building(s)	Des Moines	1923	566
296	77-02748	Smithson Building		Building(s)	Des Moines	1912	655
297	77-02749	Commercial Building		Building(s)	Des Moines	0	673
298	77-02750	Commercial Building		Building(s)	Des Moines	0	676
299	77-02751	Erickson, C.E. and Company, Building		Building(s)	Des Moines	1916	701
300	77-02752	House		Building(s)	Des Moines	0	701
301	77-02753	House		Building(s)	Des Moines	1920	710
302	77-02754	House		Building(s)	Des Moines	0	715
303	77-02755	House		Building(s)	Des Moines	0	715
304	77-02756	House		Building(s)	Des Moines	0	675
305	77-02757	House		Building(s)	Des Moines	0	662
306	77-02758	House		Building(s)	Des Moines	0	656
307	77-02759	House		Building(s)	Des Moines	0	569
308	77-02760	House		Building(s)	Des Moines	0	530
309	77-02761	House		Building(s)	Des Moines	0	469
310	77-02762	House		Building(s)	Des Moines	0	461
311	77-02763	House		Building(s)	Des Moines	0	457
312	77-02764	House		Building(s)	Des Moines	0	451
313	77-02765	House		Building(s)	Des Moines	0	447
314	77-02766	House		Building(s)	Des Moines	0	445
315	77-02767	House		Building(s)	Des Moines	0	237
316	77-02768	House		Building(s)	Des Moines	0	224
317	77-02769	House		Building(s)	Des Moines	1910	221
318	77-02771	Advance-Rumely Thresher Company Warehouse		Building(s)	Des Moines	1901	218
319	77-02772	Commercial Truck Rental Service		Building(s)	Des Moines	1867	695
320	77-02774	House		Building(s)	Des Moines	1875	706
321	77-02775	House		Building(s)	Des Moines	0	698
322	77-02776	House		Building(s)	Des Moines	1870	709
323	77-02777	House		Building(s)	Des Moines	1885	712
324	77-02778	House		Building(s)	Des Moines	1883	703
325	77-02779	Sorenson, H.E., Company Building		Building(s)	Des Moines	1901	706
326	77-02780	International Hotel		Building(s)	Des Moines	1878	719
327	77-02781	Des Moines Brewing Company		Building(s)	Des Moines	1908	711
328	77-02782	Lehane, Mattes, Weitz Block		Building(s)	Des Moines	1883	721

Table 5, continued

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
329	77-02784	Koch Brothers		Building(s)	Des Moines	0	734
330	77-02785	Auditorium		Building(s)	Des Moines	1911	742
331	77-02786	Iowa Commission For the Blind Building	7/1/2010	Building(s)	Des Moines	1912	736
332	77-02787	House		Building(s)	Des Moines	0	738
333	77-02788	House		Building(s)	Des Moines	0	741
334	77-02789	House		Building(s)	Des Moines	0	743
335	77-02790	House		Building(s)	Des Moines	0	745
336	77-02791	House		Building(s)	Des Moines	0	757
337	77-02792	House		Building(s)	Des Moines	0	759
338	77-02793	House		Building(s)	Des Moines	0	766
339	77-02794	House		Building(s)	Des Moines	0	760
340	77-02795	House		Building(s)	Des Moines	0	760
341	77-02796	House		Building(s)	Des Moines	0	750
342	77-02797	House		Building(s)	Des Moines	0	702
343	77-02798	House		Building(s)	Des Moines	0	698
344	77-02799	House		Building(s)	Des Moines	0	149
345	77-02800	House		Building(s)	Des Moines	0	127
346	77-02801	House		Building(s)	Des Moines	0	140
347	77-02802	House		Building(s)	Des Moines	0	140
348	77-02803	House		Building(s)	Des Moines	0	138
349	77-02804	House		Building(s)	Des Moines	0	617
350	77-02805	House		Building(s)	Des Moines	0	196
351	77-02806	House		Building(s)	Des Moines	0	207
352	77-02807	House		Building(s)	Des Moines	0	118
353	77-02808	House		Building(s)	Des Moines	0	119
354	77-02809	House		Building(s)	Des Moines	0	237
355	77-02810	House		Building(s)	Des Moines	0	267
356	77-02811	House		Building(s)	Des Moines	0	306
357	77-02812	House		Building(s)	Des Moines	0	306
358	77-02813	House		Building(s)	Des Moines	0	316
359	77-02814	House		Building(s)	Des Moines	0	317
360	77-02815	House		Building(s)	Des Moines	0	316
361	77-02816	House		Building(s)	Des Moines	0	213
362	77-02817	House		Building(s)	Des Moines	0	305
363	77-02818	House		Building(s)	Des Moines	0	287
364	77-02819	House		Building(s)	Des Moines	0	286
365	77-02820	House		Building(s)	Des Moines	0	279
366	77-02821	House		Building(s)	Des Moines	0	599

Table 5, continued

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
367	77-02822	House		Building(s)	Des Moines	0	622
368	77-02823	House		Building(s)	Des Moines	0	628
369	77-02824	House		Building(s)	Des Moines	0	624
370	77-02825	House		Building(s)	Des Moines	1896	626
371	77-02826	House		Building(s)	Des Moines	0	629
372	77-02827	House		Building(s)	Des Moines	0	630
373	77-02828	House	10/25/1996	Building(s)	Des Moines	1901	666
374	77-02829	House	10/25/1996	Building(s)	Des Moines	1903	667
375	77-02830	House	10/25/1996	Building(s)	Des Moines	1903	679
376	77-02831	House	10/25/1996	Building(s)	Des Moines	1904	671
377	77-02832	House	10/25/1996	Building(s)	Des Moines	1904	675
378	77-02833	House	10/25/1996	Building(s)	Des Moines	1904	676
379	77-02834	House	10/25/1996	Building(s)	Des Moines	1920	686
380	77-02835	House	10/25/1996	Building(s)	Des Moines	0	679
381	77-02836	House	10/25/1996	Building(s)	Des Moines	1905	689
382	77-02837	House	10/25/1996	Building(s)	Des Moines	1901	684
383	77-02838	House	10/25/1996	Building(s)	Des Moines	1905	739
384	77-02839	House	10/25/1996	Building(s)	Des Moines	1901	318
385	77-02840	House	10/25/1996	Building(s)	Des Moines	1920	350
386	77-02841	House and Stable	10/25/1996	Building(s)	Des Moines	1898	237
387	77-02842	House and Stable	10/25/1996	Building(s)	Des Moines	1902	228
388	77-02843	Jacob's Temple-- Church of God in Christ		Building(s)	Des Moines	1915	332
389	77-02844	House		Building(s)	Des Moines	1902	224
390	77-02845	House		Building(s)	Des Moines	0	231
391	77-02846	House		Building(s)	Des Moines	0	306
392	77-02847	Brown Garage		Building(s)	Des Moines	1899	306
393	77-02848	4th and Locust Street Parking Garage		Building(s)	Des Moines	1952	341
394	77-02849	Hotel Kirkwood	12/10/2003	Building(s)	Des Moines	1930	406
395	77-02850	Rock Island Passenger Depot		Building(s)	Des Moines	1901	401
396	77-02852	Hawkeye Insurance Company	4/28/1986	Building(s)	Des Moines	1876	394
397	77-02853	House		Building(s)	Des Moines	0	395
398	77-02854	House		Building(s)	Des Moines	0	714
399	77-02855	House		Building(s)	Des Moines	0	730
400	77-02856	House		Building(s)	Des Moines	0	736
401	77-02857	House		Building(s)	Des Moines	0	741
402	77-02858	House		Building(s)	Des Moines	0	752

Table 5: The Study Area’s Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
403	77-02859	House		Building(s)	Des Moines	0	749
404	77-02860	House		Building(s)	Des Moines	1897	757
405	77-02861	House		Building(s)	Des Moines	1904	764
406	77-02862	House		Building(s)	Des Moines	0	765
407	77-02863	House		Building(s)	Des Moines	0	762
408	77-02864	House		Building(s)	Des Moines	0	766
409	77-02865	House		Building(s)	Des Moines	0	768
410	77-02866	House		Building(s)	Des Moines	0	764
411	77-02867	House		Building(s)	Des Moines	0	771
412	77-02868	House		Building(s)	Des Moines	1904	767
413	77-02869	House		Building(s)	Des Moines	1910	769
414	77-02870	Commercial Building		Building(s)	Des Moines	0	775
415	77-02871	Commercial Building		Building(s)	Des Moines	1926	772
416	77-02872	Commercial Building		Building(s)	Des Moines	1925	819
417	77-02873	Commercial Building		Building(s)	Des Moines	0	810
418	77-02874	Commercial Building		Building(s)	Des Moines	0	822
419	77-02875	Commercial Building		Building(s)	Des Moines	0	813
420	77-02876	Central Oil Works		Building(s)	Des Moines	1874	824
421	77-02879	Central Wire and Iron Works		Building(s)	Des Moines	1955	816
422	77-02880	Gothic I-house		Building(s)	Des Moines	0	827
423	77-02882	Rumely-Des Moines Drug Company Building	11/16/1989	Building(s)	Des Moines	1911	820
424	77-02883	Hewitt Building		Building(s)	Des Moines	1908	831
425	77-02884	M & St. L Railroad		Building(s)	Des Moines	0	823
426	77-02885	Old Federal Office Building		Building(s)	Des Moines	1871	833
427	77-02886	Capital City Bank		Building(s)	Des Moines	1903	826
428	77-02888	Commercial Building		Building(s)	Des Moines	0	836
429	77-02889	Montgomery Wards		Building(s)	Des Moines	1929	827
430	77-02891	Yeoman Lodge		Building(s)	Des Moines	1907	838
431	77-02892	Silverberg & Lince Building		Building(s)	Des Moines	1911	839
432	77-02893	Manhattan Hotel		Building(s)	Des Moines	1880	856
433	77-02894	Insurance Exchange Building		Building(s)	Des Moines	1923	871
434	77-02895	St. Ambrose School		Building(s)	Des Moines	1918	876
435	77-02896	House		Building(s)	Des Moines	0	894

Table 5, continued

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
436	77-02897	House		Building(s)	Des Moines	0	897
437	77-02898	House		Building(s)	Des Moines	0	905
438	77-02899	House		Building(s)	Des Moines	0	901
439	77-02900	House		Building(s)	Des Moines	0	933
440	77-02901	House		Building(s)	Des Moines	0	941
441	77-02902	House		Building(s)	Des Moines	0	946
442	77-02903	House		Building(s)	Des Moines	0	940
443	77-02904	House		Building(s)	Des Moines	0	942
444	77-02905	House		Building(s)	Des Moines	0	945
445	77-02906	House		Building(s)	Des Moines	0	949
446	77-02907	House		Building(s)	Des Moines	0	945
447	77-02908	House		Building(s)	Des Moines	0	936
448	77-02909	House		Building(s)	Des Moines	0	924
449	77-02910	House		Building(s)	Des Moines	0	916
450	77-02911	House		Building(s)	Des Moines	0	909
451	77-02912	House		Building(s)	Des Moines	0	905
452	77-02913	House		Building(s)	Des Moines	1899	893
453	77-02914	House		Building(s)	Des Moines	0	885
454	77-02915	House		Building(s)	Des Moines	0	818
455	77-02916	House		Building(s)	Des Moines	1901	816
456	77-02917	House		Building(s)	Des Moines	0	809
457	77-02918	House		Building(s)	Des Moines	0	805
458	77-02919	House		Building(s)	Des Moines	0	394
459	77-02920	House		Building(s)	Des Moines	0	424
460	77-02921	House		Building(s)	Des Moines	0	394
461	77-02922	House		Building(s)	Des Moines	0	408
462	77-02923	House		Building(s)	Des Moines	0	396
463	77-02924	House		Building(s)	Des Moines	1891	800
464	77-02925	House		Building(s)	Des Moines	0	794
465	77-02926	House		Building(s)	Des Moines	0	788
466	77-02927	House		Building(s)	Des Moines	0	787
467	77-02928	House		Building(s)	Des Moines	0	785
468	77-02929	House		Building(s)	Des Moines	0	783
469	77-02930	House		Building(s)	Des Moines	0	776
470	77-02931	House		Building(s)	Des Moines	0	775
471	77-02932	House		Building(s)	Des Moines	0	767
472	77-02933	Apartment Building		Building(s)	Des Moines	1904	765
473	77-02934	Weitz, Charles H. and Lena May, House	10/22/1998	Building(s)	Des Moines	1891	762

Table 5, continued

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
474	77-02935	House		Building(s)	Des Moines	0	760
475	77-02936	House		Building(s)	Des Moines	0	755
476	77-02937	House		Building(s)	Des Moines	0	744
477	77-02938	House		Building(s)	Des Moines	0	737
478	77-02939	House		Building(s)	Des Moines	0	583
479	77-02940	House		Building(s)	Des Moines	0	889
480	77-02941	House		Building(s)	Des Moines	0	385
481	77-02942	House		Building(s)	Des Moines	0	456
482	77-02943	House		Building(s)	Des Moines	0	309
483	77-02944	House		Building(s)	Des Moines	0	263
484	77-02945	House		Building(s)	Des Moines	0	250
485	77-02946	House		Building(s)	Des Moines	0	193
486	77-02947	House		Building(s)	Des Moines	1897	434
487	77-02948	Beeson, Byron A., House	10/25/1996	Building(s)	Des Moines	1890	324
488	77-02949	House		Building(s)	Des Moines	0	311
489	77-02950	House		Building(s)	Des Moines	0	421
490	77-02951	House		Building(s)	Des Moines	0	422
491	77-02952	House		Building(s)	Des Moines	0	411
492	77-02953	House		Building(s)	Des Moines	0	496
493	77-02954	House		Building(s)	Des Moines	0	506
494	77-02955	House		Building(s)	Des Moines	0	512
495	77-02956	House		Building(s)	Des Moines	1906	492
496	77-02958	Building		Building(s)	Des Moines	0	486
497	77-02959	Swedish Evangelical Lutheran Church		Building(s)	Des Moines	1886	507
498	77-02960	Building		Building(s)	Des Moines	0	494
499	77-02961	Capital City Bank Building		Building(s)	Des Moines	1901	494
500	77-02962	Railroad Depot		Building(s)	Des Moines	1880	705
501	77-02963	Building		Building(s)	Des Moines	0	805
502	77-02964	Building		Building(s)	Des Moines	1888	807
503	77-02965	Building		Building(s)	Des Moines	0	820
504	77-02966	Building		Building(s)	Des Moines	0	813
505	77-02967	House		Building(s)	Des Moines	0	816
506	77-02968	House		Building(s)	Des Moines	0	827
507	77-02969	House		Building(s)	Des Moines	0	818
508	77-02970	Sanico Ornamental Iron Company		Building(s)	Des Moines	1957	826
509	77-02971	House		Building(s)	Des Moines	0	836
510	77-02972	House		Building(s)	Des Moines	1890	828

Table 5, continued

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
511	77-02973	Southwest 5th Street Bridge	5/15/1998	Structure	Des Moines	1898	842
512	77-02974	White Line Transfer and Storage Company Building		Building(s)	Des Moines	1909	844
513	77-02975	Parking Shed		Building(s)	Des Moines	0	835
514	77-02976	Cownie Furs		Building(s)	Des Moines	1900	837
515	77-02977	Nesbit, Fred, Distributing Company		Building(s)	Des Moines	0	848
516	77-02978	Harbach, L., and Sons, Furniture Company		Building(s)	Des Moines	1911	903
517	77-02979	Clarkson School		Building(s)	Des Moines	0	896
518	77-02980	College of Osteopathic Medicine Building		Building(s)	Des Moines	0	914
519	77-02981	Grant Club		Building(s)	Des Moines	0	899
520	77-02982	Hotel Victoria		Building(s)	Des Moines	1901	920
521	77-02983	St. John's Evangelical Lutheran Church		Building(s)	Des Moines	1936	927
522	77-02984	Iowa-Des Moines Motor Bank		Building(s)	Des Moines	0	931
523	77-02985	Polk County Courthouse	4/30/1979	Building(s)	Des Moines	1906	905
524	77-02986	Scottish Rite Consistory Building	9/29/1983	Building(s)	Des Moines	1927	937
525	77-02987	Milner Hotel		Building(s)	Des Moines	1917	907
526	77-02988	Hippee Building		Building(s)	Des Moines	1913	910
527	77-02989	Empire Building		Building(s)	Des Moines	1902	944
528	77-02990	Des Moines Building		Building(s)	Des Moines	1931	910
529	77-02991	Bankers Trust Building		Building(s)	Des Moines	1891	948
530	77-02992	Liberty Building	7/22/2010	Building(s)	Des Moines	1925	951
531	77-02993	American Republic Insurance		Building(s)	Des Moines	0	955
532	77-02994	Still Osteopathic Hospital		Building(s)	Des Moines	1914	972
533	77-02995	House		Building(s)	Des Moines	1900	972
534	77-02996	Grand View		Building(s)	Des Moines	1891	973
535	77-02997	D.A.V. Thrift Store		Building(s)	Des Moines	0	988
536	77-02998	House		Building(s)	Des Moines	0	1,004
537	77-02999	Carpenters Local 106		Building(s)	Des Moines	0	985
538	77-03000	Building		Building(s)	Des Moines	0	1,000

Table 5, continued

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
539	77-03001	Burnstein/Malin Grocery	10/22/1998	Building(s)	Des Moines	1923	982
540	77-03002	Building		Building(s)	Des Moines	0	978
541	77-03003	The New Lawn	10/25/1996	Building(s)	Des Moines	1915	983
542	77-03004	Building		Building(s)	Des Moines	0	971
543	77-03005	House		Building(s)	Des Moines	0	979
544	77-03006	Duplex		Building(s)	Des Moines	1915	975
545	77-03007	House		Building(s)	Des Moines	0	964
546	77-03008	Duplex		Building(s)	Des Moines	0	971
547	77-03009	House		Building(s)	Des Moines	0	952
548	77-03010	Bethel Mission		Building(s)	Des Moines	0	931
549	77-03011	House		Building(s)	Des Moines	0	924
550	77-03012	House		Building(s)	Des Moines	0	932
551	77-03013	House		Building(s)	Des Moines	0	921
552	77-03014	Building		Building(s)	Des Moines	0	917
553	77-03015	Salvation Army Temple Corps and Community Center		Building(s)	Des Moines	0	833
554	77-03016	House		Building(s)	Des Moines	0	829
555	77-03017	House		Building(s)	Des Moines	0	822
556	77-03018	House		Building(s)	Des Moines	0	804
557	77-03019	House		Building(s)	Des Moines	0	800
558	77-03020	House		Building(s)	Des Moines	0	793
559	77-03021	The Newland		Building(s)	Des Moines	1920	787
560	77-03022	Building		Building(s)	Des Moines	0	780
561	77-03024	Orvis Block	10/25/1996	Building(s)	Des Moines	1898	538
562	77-03026	Odd Fellows Hall	10/25/1996	Building(s)	Des Moines	1891	556
563	77-03027	Ruth and Clark Building	10/25/1996	Building(s)	Des Moines	1919	576
564	77-03029	House		Building(s)	Des Moines	1894	546
565	77-03030	Building		Building(s)	Des Moines	0	560
566	77-03031	House		Building(s)	Des Moines	0	558
567	77-03032	House		Building(s)	Des Moines	0	561
568	77-03033	St. Vincent DePaul Center		Building(s)	Des Moines	0	576
569	77-03034	House		Building(s)	Des Moines	0	565
570	77-03035	House		Building(s)	Des Moines	0	567
571	77-03036	Kromer Flats	10/25/1996	Building(s)	Des Moines	1905	383
572	77-03037	House		Building(s)	Des Moines	0	357
573	77-03038	House		Building(s)	Des Moines	0	326
574	77-03039	Duplex		Building(s)	Des Moines	1910	424

Table 5, continued

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
575	77-03040	House		Building(s)	Des Moines	1900	416
576	77-03041	House		Building(s)	Des Moines	1899	409
577	77-03042	Duplex		Building(s)	Des Moines	0	6
578	77-03043	Building		Building(s)	Des Moines	0	524
579	77-03044	House		Building(s)	Des Moines	0	526
580	77-03045	House		Building(s)	Des Moines	0	526
581	77-03046	Mi-kel Plaza Apartments		Building(s)	Des Moines	0	517
582	77-03047	Building		Building(s)	Des Moines	0	477
583	77-03048	Garage		Building(s)	Des Moines	0	437
584	77-03049	House		Building(s)	Des Moines	0	598
585	77-03050	House		Building(s)	Des Moines	0	619
586	77-03051	House		Building(s)	Des Moines	0	568
587	77-03052	House		Building(s)	Des Moines	0	626
588	77-03053	Building		Building(s)	Des Moines	0	623
589	77-03054	House		Building(s)	Des Moines	1900	543
590	77-03055	House		Building(s)	Des Moines	0	591
591	77-03056	House		Building(s)	Des Moines	0	621
592	77-03057	Building		Building(s)	Des Moines	0	611
593	77-03058	Building		Building(s)	Des Moines	0	594
594	77-03059	Building		Building(s)	Des Moines	0	592
595	77-03060	House		Building(s)	Des Moines	0	602
596	77-03061	Building		Building(s)	Des Moines	0	602
597	77-03062	Wherry Block	10/22/1998	Building(s)	Des Moines	1887	603
598	77-03063	Perry and Brainard Block	10/25/1996	Building(s)	Des Moines	1890	587
599	77-03064	Building		Building(s)	Des Moines	1890	593
600	77-03065	Building		Building(s)	Des Moines	1890	909
601	77-03066	Building		Building(s)	Des Moines	0	919
602	77-03067	Building		Building(s)	Des Moines	0	914
603	77-03068	Building		Building(s)	Des Moines	0	926
604	77-03069	House		Building(s)	Des Moines	0	928
605	77-03070	Building		Building(s)	Des Moines	0	939
606	77-03071	Building		Building(s)	Des Moines	0	930
607	77-03072	Sherman's Super Valu		Building(s)	Des Moines	0	985
608	77-03073	House		Building(s)	Des Moines	0	979
609	77-03074	House		Building(s)	Des Moines	0	981
610	77-03075	House		Building(s)	Des Moines	0	991
611	77-03076	The Maine	10/25/1996	Building(s)	Des Moines	1913	993

Table 5, continued

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
612	77-03077	Baker, C. H., Double House	10/25/1996	Building(s)	Des Moines	1902	985
613	77-03078	House		Building(s)	Des Moines	0	995
614	77-03079	House		Building(s)	Des Moines	0	997
615	77-03080	Building		Building(s)	Des Moines	0	990
616	77-03081	Building		Building(s)	Des Moines	0	1,003
617	77-03082	Building		Building(s)	Des Moines	0	997
618	77-03083	Building		Building(s)	Des Moines	0	1,008
619	77-03084	Per Mar Security		Building(s)	Des Moines	0	999
620	77-03085	House		Building(s)	Des Moines	0	1,001
621	77-03086	Slade, S.T., House		Building(s)	Des Moines	1902	1,007
622	77-03087	House		Building(s)	Des Moines	0	1,011
623	77-03088	Trent-Beaver House	10/25/1996	Building(s)	Des Moines	1917	1,014
624	77-03089	House		Building(s)	Des Moines	1892	1,018
625	77-03090	Commercial Building		Building(s)	Des Moines	0	1,044
626	77-03091	Bailey, William H. and Alice, House	10/25/1996	Building(s)	Des Moines	1889	1,049
627	77-03092	Franklin Apartments	10/25/1996	Building(s)	Des Moines	1897	1,061
628	77-03093	House		Building(s)	Des Moines	0	1,051
629	77-03094	Ayrshire Apartments	10/25/1996	Building(s)	Des Moines	1920	1,040
630	77-03095	House		Building(s)	Des Moines	0	1,037
631	77-03096	House		Building(s)	Des Moines	0	1,029
632	77-03097	House		Building(s)	Des Moines	0	1,025
633	77-03098	Git'n'Go		Building(s)	Des Moines	0	1,023
634	77-03099	Duplex		Building(s)	Des Moines	1900	1,021
635	77-03100	Double House	10/25/1996	Building(s)	Des Moines	1915	1,000
636	77-03101	House		Building(s)	Des Moines	0	998
637	77-03102	House and Garage	10/25/1996	Building(s)	Des Moines	1904	984
638	77-03103	Baily Court	4/23/1998	Building(s)	Des Moines	1924	978
639	77-03104	Apartments	4/23/1998	Building(s)	Des Moines	1924	977
640	77-03105	Apartment Building		Building(s)	Des Moines	1923	974
641	77-03106	House		Building(s)	Des Moines	1895	966
642	77-03107	House		Building(s)	Des Moines	1916	959
643	77-03108	House		Building(s)	Des Moines	1912	858
644	77-03113	Rath Meats		Building(s)	Des Moines	0	844
645	77-03114	First Federal State Bank		Building(s)	Des Moines	0	840
646	77-03115	Dillon-Kooker Blocks		Building(s)	Des Moines	1884	839
647	77-03116	Scoville, Tyler, House		Building(s)	Des Moines	1880	829
648	77-03117	House		Building(s)	Des Moines	1880	830

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
649	77-03118	Curtis School		Building(s)	Des Moines	1874	823
650	77-03119	Building		Building(s)	Des Moines	0	817
651	77-03120	McKinley School		Building(s)	Des Moines	1902	813
652	77-03128	Iowa Flour Company		Building(s)	Des Moines	1923	810
653	77-03129	Davidson, S. and Brothers, Warehouse		Building(s)	Des Moines	1925	808
654	77-03130	Amodeo Building		Building(s)	Des Moines	0	805
655	77-03134	Flynn Building		Building(s)	Des Moines	1886	802
656	77-03135	Chamberlain Hotel		Building(s)	Des Moines	1903	799
657	77-03136	Yunker Brothers Department Store	3/17/2010	Building(s)	Des Moines	1899	796
658	77-03137	Securities Building		Building(s)	Des Moines	1907	792
659	77-03138	Royal Union Bank		Building(s)	Des Moines	1890	789
660	77-03139	House		Building(s)	Des Moines	0	788
661	77-03140	House		Building(s)	Des Moines	0	762
662	77-03141	House		Building(s)	Des Moines	0	684
663	77-03142	House		Building(s)	Des Moines	0	682
664	77-03143	Iowell House, The		Building(s)	Des Moines	1898	679
665	77-03144	House		Building(s)	Des Moines	0	676
666	77-03145	Haley, F. E., Double House	10/22/1998	Building(s)	Des Moines	1897	673
667	77-03146	Bartlett, Benjamin J., House		Building(s)	Des Moines	1886	676
668	77-03147	House		Building(s)	Des Moines	1890	673
669	77-03148	House		Building(s)	Des Moines	0	670
670	77-03149	House		Building(s)	Des Moines	0	659
671	77-03150	Apartments		Building(s)	Des Moines	1900	655
672	77-03151	Ainsworth, William W. and Elizabeth J., House	10/22/1998	Building(s)	Des Moines	1886	656
673	77-03152	House		Building(s)	Des Moines	1891	652
674	77-03153	House		Building(s)	Des Moines	0	647
675	77-03154	House		Building(s)	Des Moines	0	641
676	77-03155	House		Building(s)	Des Moines	0	632
677	77-03156	House		Building(s)	Des Moines	0	537
678	77-03157	House		Building(s)	Des Moines	1910	534
679	77-03158	House		Building(s)	Des Moines	1893	529
680	77-03159	House		Building(s)	Des Moines	0	527
681	77-03160	House		Building(s)	Des Moines	0	521
682	77-03161	House		Building(s)	Des Moines	1889	519
683	77-03162	House		Building(s)	Des Moines	0	512

Table 5: The Study Area’s Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
684	77-03163	House		Building(s)	Des Moines	0	509
685	77-03164	House		Building(s)	Des Moines	0	507
686	77-03165	House		Building(s)	Des Moines	0	504
687	77-03166	House		Building(s)	Des Moines	0	502
688	77-03167	Trinity Evangelical Lutheran Church		Building(s)	Des Moines	0	405
689	77-03168	House		Building(s)	Des Moines	0	401
690	77-03169	House		Building(s)	Des Moines	1902	398
691	77-03170	House		Building(s)	Des Moines	1903	396
692	77-03171	House		Building(s)	Des Moines	0	394
693	77-03172	House		Building(s)	Des Moines	1900	392
694	77-03173	House		Building(s)	Des Moines	0	389
695	77-03174	House		Building(s)	Des Moines	0	387
696	77-03175	House		Building(s)	Des Moines	0	382
697	77-03176	House		Building(s)	Des Moines	0	378
698	77-03177	House		Building(s)	Des Moines	0	372
699	77-03178	House		Building(s)	Des Moines	0	288
700	77-03179	House		Building(s)	Des Moines	0	266
701	77-03180	House		Building(s)	Des Moines	0	230
702	77-03181	House		Building(s)	Des Moines	0	212
703	77-03182	House		Building(s)	Des Moines	0	209
704	77-03183	House		Building(s)	Des Moines	0	184
705	77-03184	House		Building(s)	Des Moines	0	158
706	77-03185	House		Building(s)	Des Moines	0	666
707	77-03186	House		Building(s)	Des Moines	0	818
708	77-03187	House		Building(s)	Des Moines	0	827
709	77-03188	House		Building(s)	Des Moines	0	711
710	77-03189	House		Building(s)	Des Moines	0	608
711	77-03190	Carriage House		Building(s)	Des Moines	0	692
712	77-03191	House		Building(s)	Des Moines	0	617
713	77-03192	House		Building(s)	Des Moines	0	495
714	77-03193	House		Building(s)	Des Moines	0	506
715	77-03194	House		Building(s)	Des Moines	0	418
716	77-03195	House		Building(s)	Des Moines	0	400
717	77-03196	House		Building(s)	Des Moines	0	637
718	77-03197	House		Building(s)	Des Moines	0	526
719	77-03198	House		Building(s)	Des Moines	0	511
720	77-03199	Livery Stable		Building(s)	Des Moines	1900	721
721	77-03200	House		Building(s)	Des Moines	0	723
722	77-03201	House		Building(s)	Des Moines	0	740

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
723	77-03202	House		Building(s)	Des Moines	0	732
724	77-03203	House		Building(s)	Des Moines	0	732
725	77-03204	House		Building(s)	Des Moines	0	1,020
726	77-03205	House		Building(s)	Des Moines	0	1,015
727	77-03206	House		Building(s)	Des Moines	0	1,029
728	77-03207	House		Building(s)	Des Moines	0	1,018
729	77-03208	House		Building(s)	Des Moines	0	1,034
730	77-03209	House		Building(s)	Des Moines	1886	1,019
731	77-03210	House		Building(s)	Des Moines	0	1,040
732	77-03211	House		Building(s)	Des Moines	0	1,055
733	77-03212	House		Building(s)	Des Moines	0	1,046
734	77-03213	House		Building(s)	Des Moines	1896	1,055
735	77-03214	House		Building(s)	Des Moines	0	1,047
736	77-03215	House		Building(s)	Des Moines	0	1,048
737	77-03216	House		Building(s)	Des Moines	0	1,077
738	77-03217	House		Building(s)	Des Moines	0	1,082
739	77-03218	House		Building(s)	Des Moines	1886	1,083
740	77-03219	House		Building(s)	Des Moines	0	1,086
741	77-03220	House		Building(s)	Des Moines	0	1,087
742	77-03221	Hatton, Dr. John B. and Anna M., House	4/23/1998	Building(s)	Des Moines	1887	1,089
743	77-03222	House		Building(s)	Des Moines	0	1,091
744	77-03223	House		Building(s)	Des Moines	0	1,096
745	77-03224	House		Building(s)	Des Moines	0	1,102
746	77-03225	House		Building(s)	Des Moines	0	1,102
747	77-03226	House		Building(s)	Des Moines	1900	1,106
748	77-03227	House		Building(s)	Des Moines	0	1,111
749	77-03228	Goode, Lowry W. and Hattie N., First North Des Moines House	10/22/1998	Building(s)	Des Moines	1884	1,108
750	77-03229	House		Building(s)	Des Moines	0	1,113
751	77-03230	House		Building(s)	Des Moines	1889	1,109
752	77-03231	House		Building(s)	Des Moines	0	1,115
753	77-03232	House		Building(s)	Des Moines	0	1,117
754	77-03233	House		Building(s)	Des Moines	1898	1,115
755	77-03234	House		Building(s)	Des Moines	0	1,117
756	77-03235	House	4/23/1998	Building(s)	Des Moines	1894	1,080
757	77-03236	House	4/23/1998	Building(s)	Des Moines	1895	1,072
758	77-03237	House	4/23/1998	Building(s)	Des Moines	1892	1,071
759	77-03238	House	4/23/1998	Building(s)	Des Moines	1886	1,063

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
760	77-03239	House	4/23/1998	Building(s)	Des Moines	1895	1,055
761	77-03240	House	4/23/1998	Building(s)	Des Moines	1895	1,049
762	77-03241	House	4/23/1998	Building(s)	Des Moines	1905	1,045
763	77-03242	House & Garage	4/23/1998	Building(s)	Des Moines	1910	1,043
764	77-03243	House & Garage	4/23/1998	Building(s)	Des Moines	1915	1,041
765	77-03244	Apartment Building	4/23/1998	Building(s)	Des Moines	1924	1,037
766	77-03245	Apartment Building	4/23/1998	Building(s)	Des Moines	1924	1,036
767	77-03246	House	4/23/1998	Building(s)	Des Moines	1914	1,029
768	77-03247	Apartments	4/23/1998	Building(s)	Des Moines	1924	1,021
769	77-03248	House		Building(s)	Des Moines	1890	1,019
770	77-03249	International Harvester Company of America Building		Building(s)	Des Moines	1926	1,013
771	77-03250	River Hills Apartments		Building(s)	Des Moines	0	1,015
772	77-03251	River Hills Apartment		Building(s)	Des Moines	0	1,009
773	77-03252	River Hills Apartments		Building(s)	Des Moines	0	1,005
774	77-03253	River Hills Apartments		Building(s)	Des Moines	0	1,001
775	77-03254	River Hills Apartment		Building(s)	Des Moines	1970	883
776	77-03255	Commercial Building		Building(s)	Des Moines	0	883
777	77-03256	Duplex		Building(s)	Des Moines	1891	874
778	77-03259	Seindenfeld & Son Iron & Metal		Building(s)	Des Moines	0	867
779	77-03260	House		Building(s)	Des Moines	1887	860
780	77-03261	House		Building(s)	Des Moines	0	847
781	77-03262	Southwest 7th St Bridge #003980		Structure	Des Moines	1914	840
782	77-03263	Carpenter Paper Company		Building(s)	Des Moines	0	833
783	77-03264	Kresge Building		Building(s)	Des Moines	1923	826
784	77-03266	Shed		Building(s)	Des Moines	0	820
785	77-03268	Foster Opera House		Building(s)	Des Moines	1883	817
786	77-03269	Iowa Exposition Building		Building(s)	Des Moines	1876	707
787	77-03270	Commercial Building		Building(s)	Des Moines	0	704
788	77-03271	Davidson Building		Building(s)	Des Moines	1908	698
789	77-03272	Chase West Building		Building(s)	Des Moines	1902	698
790	77-03273	Galaxy Theatre		Building(s)	Des Moines	0	690

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
791	77-03278	Reigelman, Emanuel, House		Building(s)	Des Moines	1886	684
792	77-03281	Rice, William O., House		Building(s)	Des Moines	1885	678
793	77-03282	House		Building(s)	Des Moines	1905	675
794	77-03283	House		Building(s)	Des Moines	1894	673
795	77-03284	House		Building(s)	Des Moines	1915	670
796	77-03285	House		Building(s)	Des Moines	1893	670
797	77-03286	House		Building(s)	Des Moines	1895	667
798	77-03287	House		Building(s)	Des Moines	1914	565
799	77-03288	House		Building(s)	Des Moines	0	560
800	77-03289	House		Building(s)	Des Moines	1895	557
801	77-03290	House		Building(s)	Des Moines	0	552
802	77-03291	House		Building(s)	Des Moines	1901	553
803	77-03292	House		Building(s)	Des Moines	1890	545
804	77-03293	House		Building(s)	Des Moines	0	540
805	77-03294	House		Building(s)	Des Moines	1889	538
806	77-03295	House		Building(s)	Des Moines	0	536
807	77-03296	Wicht, John Frederick, House		Building(s)	Des Moines	1894	529
808	77-03297	House		Building(s)	Des Moines	0	523
809	77-03298	Apartment Building		Building(s)	Des Moines	1906	521
810	77-03299	House		Building(s)	Des Moines	1896	439
811	77-03300	House		Building(s)	Des Moines	1893	436
812	77-03301	Duplex		Building(s)	Des Moines	1901	430
813	77-03302	House		Building(s)	Des Moines	1894	426
814	77-03303	Turner, Susie P., Double House	10/22/1998	Building(s)	Des Moines	1914	423
815	77-03304	House		Building(s)	Des Moines	1909	423
816	77-03305	House		Building(s)	Des Moines	1896	419
817	77-03306	House		Building(s)	Des Moines	1896	415
818	77-03307	House		Building(s)	Des Moines	1901	410
819	77-03308	House		Building(s)	Des Moines	1896	412
820	77-03309	House		Building(s)	Des Moines	0	408
821	77-03310	House		Building(s)	Des Moines	0	322
822	77-03311	House		Building(s)	Des Moines	1893	318
823	77-03312	House		Building(s)	Des Moines	0	317
824	77-03313	House		Building(s)	Des Moines	1914	293
825	77-03314	House		Building(s)	Des Moines	1901	312
826	77-03315	House		Building(s)	Des Moines	1914	285
827	77-03316	House		Building(s)	Des Moines	0	256

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
828	77-03317	House		Building(s)	Des Moines	1914	244
829	77-03318	House		Building(s)	Des Moines	1902	242
830	77-03319	House		Building(s)	Des Moines	1901	237
831	77-03320	House		Building(s)	Des Moines	1901	234
832	77-03321	House		Building(s)	Des Moines	1901	203
833	77-03322	House		Building(s)	Des Moines	1901	229
834	77-03323	House		Building(s)	Des Moines	1899	552
835	77-03324	House		Building(s)	Des Moines	1897	817
836	77-03325	House		Building(s)	Des Moines	0	675
837	77-03326	House		Building(s)	Des Moines	1890	674
838	77-03327	House		Building(s)	Des Moines	0	669
839	77-03328	Trinity Methodist Episcopal Church	4/23/1998	Building(s)	Des Moines	1911	668
840	77-03329	House		Building(s)	Des Moines	0	666
841	77-03330	House		Building(s)	Des Moines	0	441
842	77-03331	Double House		Building(s)	Des Moines	1915	377
843	77-03332	Baum, William A. and Etta, Cottage	10/25/1996	Building(s)	Des Moines	1891	588
844	77-03333	House		Building(s)	Des Moines	0	578
845	77-03334	House		Building(s)	Des Moines	1901	316
846	77-03335	House		Building(s)	Des Moines	1895	2
847	77-03336	House		Building(s)	Des Moines	1890	732
848	77-03337	House		Building(s)	Des Moines	1890	700
849	77-03338	House		Building(s)	Des Moines	1896	729
850	77-03339	House		Building(s)	Des Moines	1893	812
851	77-03340	House		Building(s)	Des Moines	1890	841
852	77-03341	American Legion Hall		Building(s)	Des Moines	0	831
853	77-03342	House		Building(s)	Des Moines	1891	826
854	77-03343	House		Building(s)	Des Moines	1891	825
855	77-03344	House		Building(s)	Des Moines	1890	823
856	77-03345	House		Building(s)	Des Moines	0	1,098
857	77-03346	House		Building(s)	Des Moines	0	1,106
858	77-03347	House		Building(s)	Des Moines	0	1,132
859	77-03348	Johnston, Elmer M. and Harriet V., House		Building(s)	Des Moines	1899	1,139
860	77-03349	House		Building(s)	Des Moines	0	1,141
861	77-03350	House		Building(s)	Des Moines	1890	1,152
862	77-03351	House		Building(s)	Des Moines	1910	1,156
863	77-03352	Duplex		Building(s)	Des Moines	0	1,148
864	77-03353	House		Building(s)	Des Moines	0	1,150

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
865	77-03354	House		Building(s)	Des Moines	0	1,161
866	77-03355	House		Building(s)	Des Moines	1901	1,154
867	77-03356	House		Building(s)	Des Moines	1895	1,165
868	77-03357	House		Building(s)	Des Moines	0	1,177
869	77-03358	House		Building(s)	Des Moines	1893	1,181
870	77-03359	House		Building(s)	Des Moines	0	1,186
871	77-03360	House		Building(s)	Des Moines	1905	1,177
872	77-03361	House		Building(s)	Des Moines	0	1,184
873	77-03362	House		Building(s)	Des Moines	0	1,186
874	77-03363	Chaffee-Hunter House	10/22/1998	Building(s)	Des Moines	1886	1,202
875	77-03364	Johnstone, Dr. Anna E. and Andrew A., House	10/25/1996	Building(s)	Des Moines	1887	1,094
876	77-03365	House & Garage	4/23/1998	Building(s)	Des Moines	1913	1,091
877	77-03366	House & Barn	4/23/1998	Building(s)	Des Moines	1895	1,079
878	77-03367	House	4/23/1998	Building(s)	Des Moines	1910	1,072
879	77-03368	Duplex & Garage	4/23/1998	Building(s)	Des Moines	1951	1,071
880	77-03369	House & Garage	4/23/1998	Building(s)	Des Moines	1892	1,068
881	77-03370	Non-extant House & (Extant) Garage		Building(s)	Des Moines	1975	1,064
882	77-03371	House	4/23/1998	Building(s)	Des Moines	1905	1,057
883	77-03372	House & Garage	4/23/1998	Building(s)	Des Moines	1904	1,056
884	77-03373	House		Building(s)	Des Moines	1968	1,052
885	77-03374	House	4/23/1998	Building(s)	Des Moines	1892	1,048
886	77-03375	House	4/23/1998	Building(s)	Des Moines	1910	1,033
887	77-03376	House		Building(s)	Des Moines	1896	1,029
888	77-03377	House		Building(s)	Des Moines	1919	1,026
889	77-03378	House		Building(s)	Des Moines	1891	1,026
890	77-03379	House		Building(s)	Des Moines	1905	1,022
891	77-03380	House		Building(s)	Des Moines	1896	1,022
892	77-03381	House		Building(s)	Des Moines	1890	1,018
893	77-03382	House		Building(s)	Des Moines	1900	1,014
894	77-03383	House		Building(s)	Des Moines	1920	911
895	77-03384	House		Building(s)	Des Moines	1905	908
896	77-03385	House		Building(s)	Des Moines	0	898
897	77-03386	House		Building(s)	Des Moines	1915	894
898	77-03387	House		Building(s)	Des Moines	0	887
899	77-03388	House		Building(s)	Des Moines	1930	878
900	77-03390	House		Building(s)	Des Moines	1900	865
901	77-03391	House		Building(s)	Des Moines	0	848

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
902	77-03392	House		Building(s)	Des Moines	0	845
903	77-03393	Pratt Paper Company Building		Building(s)	Des Moines	1910	841
904	77-03394	Capital City Woolen Mills		Building(s)	Des Moines	1880	835
905	77-03395	Warehouse		Building(s)	Des Moines	1959	739
906	77-03396	Schmitt and Henry Manufacturing Company	3/17/2010	Building(s)	Des Moines	1903	743
907	77-03399	Coolbaugh Hall		Building(s)	Des Moines	0	737
908	77-03402	Grocers Wholesale Company Warehouse	4/25/2008	Building(s)	Des Moines	1916	743
909	77-03403	Building		Building(s)	Des Moines	0	728
910	77-03404	Matt Apartments		Building(s)	Des Moines	1920	743
911	77-03428	House & Garage	4/23/1998	Building(s)	Des Moines	0	725
912	77-03429	House		Building(s)	Des Moines	0	733
913	77-03430	House		Building(s)	Des Moines	1896	731
914	77-03431	House		Building(s)	Des Moines	0	714
915	77-03432	House & Garage	4/23/1998	Building(s)	Des Moines	1893	727
916	77-03433	Temple, Edward A., House & Garage	4/23/1998	Building(s)	Des Moines	1899	709
917	77-03434	Keller, W.C., House & Garage	4/23/1998	Building(s)	Des Moines	1901	706
918	77-03435	Cross, E. M., House	4/23/1998	Building(s)	Des Moines	1901	712
919	77-03436	House & Garage	4/23/1998	Building(s)	Des Moines	1923	594
920	77-03437	New Motzer Flats	4/23/1998	Building(s)	Des Moines	1913	588
921	77-03438	Smith, Samuel B., House & Garage	4/23/1998	Building(s)	Des Moines	1889	584
922	77-03439	House	4/23/1998	Building(s)	Des Moines	1960	585
923	77-03440	House	4/23/1998	Building(s)	Des Moines	1892	581
924	77-03441	House & Garage	4/23/1998	Building(s)	Des Moines	1901	576
925	77-03442	House	4/23/1998	Building(s)	Des Moines	1916	572
926	77-03443	House		Building(s)	Des Moines	1891	569
927	77-03444	House & Garage	4/23/1998	Building(s)	Des Moines	1899	571
928	77-03445	House	4/23/1998	Building(s)	Des Moines	1895	563
929	77-03446	House	4/23/1998	Building(s)	Des Moines	1895	564
930	77-03447	House & Garage	4/23/1998	Building(s)	Des Moines	1923	476
931	77-03448	House		Building(s)	Des Moines	1894	468
932	77-03449	House	4/23/1998	Building(s)	Des Moines	1910	470
933	77-03450	House		Building(s)	Des Moines	1893	465
934	77-03451	House	4/23/1998	Building(s)	Des Moines	1995	460
935	77-03452	House	4/23/1998	Building(s)	Des Moines	0	457

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
936	77-03453	House & Garage	4/23/1998	Building(s)	Des Moines	1896	459
937	77-03454	House & Garage	4/23/1998	Building(s)	Des Moines	1915	455
938	77-03455	House & Garage	4/23/1998	Building(s)	Des Moines	1896	454
939	77-03456	Ross, J.M., House	4/23/1998	Building(s)	Des Moines	1870	450
940	77-03457	House		Building(s)	Des Moines	0	443
941	77-03458	House	4/23/1998	Building(s)	Des Moines	1915	361
942	77-03459	House	4/23/1998	Building(s)	Des Moines	1918	352
943	77-03460	House & Garage	4/23/1998	Building(s)	Des Moines	1897	345
944	77-03461	House	4/23/1998	Building(s)	Des Moines	1897	350
945	77-03462	House		Building(s)	Des Moines	0	344
946	77-03463	House	4/23/1998	Building(s)	Des Moines	1897	342
947	77-03464	House	4/23/1998	Building(s)	Des Moines	1895	337
948	77-03465	House	4/23/1998	Building(s)	Des Moines	0	334
949	77-03466	Allen, Eldon L., House & Garage	4/23/1998	Building(s)	Des Moines	1901	328
950	77-03467	House & Stable	4/23/1998	Building(s)	Des Moines	1898	327
951	77-03468	House	4/23/1998	Building(s)	Des Moines	1905	320
952	77-03469	House	4/23/1998	Building(s)	Des Moines	1905	412
953	77-03470	House	4/23/1998	Building(s)	Des Moines	1905	514
954	77-03471	Double House & Garage	4/23/1998	Building(s)	Des Moines	1905	511
955	77-03472	The Gables Apartment Building	4/23/1998	Building(s)	Des Moines	1920	516
956	77-03473	House	4/23/1998	Building(s)	Des Moines	1898	579
957	77-03474	House	4/23/1998	Building(s)	Des Moines	1912	522
958	77-03475	House		Building(s)	Des Moines	0	516
959	77-03476	Building		Building(s)	Des Moines	0	260
960	77-03477	House		Building(s)	Des Moines	0	261
961	77-03478	House & Garage	4/23/1998	Building(s)	Des Moines	1913	261
962	77-03479	House & Garage	4/23/1998	Building(s)	Des Moines	1923	262
963	77-03480	Still, Drs.Summerfield & Ella D., House	4/23/1998	Building(s)	Des Moines	1885	262
964	77-03481	Duplex	4/23/1998	Building(s)	Des Moines	1924	263
965	77-03482	Woollett, Harry O., House & Garage	4/23/1998	Building(s)	Des Moines	1885	651
966	77-03483	House & Garage	4/23/1998	Building(s)	Des Moines	1891	646
967	77-03484	Triplex	4/23/1998	Building(s)	Des Moines	1970	654
968	77-03485	House	4/23/1998	Building(s)	Des Moines	1920	787
969	77-03486	House	4/23/1998	Building(s)	Des Moines	1897	776
970	77-03487	Wales, N. S., House & Garage	4/23/1998	Building(s)	Des Moines	1897	736

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
971	77-03488	House		Building(s)	Des Moines	1893	633
972	77-03489	House	4/23/1998	Building(s)	Des Moines	1918	777
973	77-03490	House & Garage	4/23/1998	Building(s)	Des Moines	1908	939
974	77-03491	House	4/23/1998	Building(s)	Des Moines	1896	928
975	77-03492	House	4/23/1998	Building(s)	Des Moines	1898	924
976	77-03493	House & Garage	4/23/1998	Building(s)	Des Moines	1897	1,271
977	77-03494	House	4/23/1998	Building(s)	Des Moines	1917	1,262
978	77-03495	House & Garage	4/23/1998	Building(s)	Des Moines	1904	1,265
979	77-03496	Oaks House & Garage	4/23/1998	Building(s)	Des Moines	1887	1,267
980	77-03497	House	4/23/1998	Building(s)	Des Moines	1912	1,266
981	77-03498	House	4/23/1998	Building(s)	Des Moines	1915	1,263
982	77-03499	House & Garage	4/23/1998	Building(s)	Des Moines	1960	1,266
983	77-03500	House	4/23/1998	Building(s)	Des Moines	1915	1,256
984	77-03501	House	4/23/1998	Building(s)	Des Moines	1892	1,242
985	77-03502	House	4/23/1998	Building(s)	Des Moines	1905	1,228
986	77-03503	House		Building(s)	Des Moines	1908	1,141
987	77-03504	House & Garage	4/23/1998	Building(s)	Des Moines	1915	1,117
988	77-03505	House & Garage	4/23/1998	Building(s)	Des Moines	1905	1,105
989	77-03506	Wilkinson, J. Estey, House	4/23/1998	Building(s)	Des Moines	1917	1,098
990	77-03507	House & Garage	4/23/1998	Building(s)	Des Moines	1905	1,094
991	77-03508	House & Garage	4/23/1998	Building(s)	Des Moines	1905	1,090
992	77-03509	House	4/23/1998	Building(s)	Des Moines	1905	1,087
993	77-03510	House	4/23/1998	Building(s)	Des Moines	1913	1,083
994	77-03511	House & Garage	4/23/1998	Building(s)	Des Moines	1913	1,079
995	77-03512	House & Garage	4/23/1998	Building(s)	Des Moines	1910	1,076
996	77-03513	House & Garage	4/23/1998	Building(s)	Des Moines	1905	1,072
997	77-03514	Building		Building(s)	Des Moines	0	1,070
998	77-03515	House		Building(s)	Des Moines	0	1,063
999	77-03516	House		Building(s)	Des Moines	1885	1,063
1000	77-03517	House		Building(s)	Des Moines	0	1,055
1001	77-03518	House		Building(s)	Des Moines	1900	942
1002	77-03519	Building		Building(s)	Des Moines	1887	942
1003	77-03520	Building		Building(s)	Des Moines	1891	934
1004	77-03521	Visitation Catholic Church		Building(s)	Des Moines	1915	929
1005	77-03522	House		Building(s)	Des Moines	1903	912
1006	77-03523	Ankeney, Joseph A., House		Building(s)	Des Moines	1892	908
1007	77-03524	Worth, Charles, House		Building(s)	Des Moines	1903	902

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
1008	77-03525	Building		Building(s)	Des Moines	1918	896
1009	77-03526	House		Building(s)	Des Moines	0	888
1010	77-03527	House		Building(s)	Des Moines	0	885
1011	77-03528	House		Building(s)	Des Moines	0	882
1012	77-03529	House		Building(s)	Des Moines	0	878
1013	77-03530	House		Building(s)	Des Moines	0	875
1014	77-03531	House		Building(s)	Des Moines	0	872
1015	77-03532	House		Building(s)	Des Moines	0	869
1016	77-03533	House		Building(s)	Des Moines	1921	869
1017	77-03534	Anderson, Herman, House		Building(s)	Des Moines	1918	866
1018	77-03535	Nursing Home		Building(s)	Des Moines	1900	768
1019	77-03537	House		Building(s)	Des Moines	1890	763
1020	77-03538	House		Building(s)	Des Moines	1901	755
1021	77-03539	House		Building(s)	Des Moines	1880	735
1022	77-03540	House		Building(s)	Des Moines	1903	731
1023	77-03543	Warehouse		Building(s)	Des Moines	1971	636
1024	77-03544	Roberts & Dybdahl, Inc. Storage Building		Building(s)	Des Moines	0	632
1025	77-03545	Sanitary Refrigerator Shop		Building(s)	Des Moines	0	624
1026	77-03562	Clemens Automobile Company	5/6/2009	Building(s)	Des Moines	1917	620
1027	77-03563	Hotel Fort Des Moines	9/16/1982	Building(s)	Des Moines	1918	621
1028	77-03564	Commercial Building		Building(s)	Des Moines	1925	617
1029	77-03565	Standard Glass and Paint Company	12/6/2004	Building(s)	Des Moines	1913	613
1030	77-03598	House		Building(s)	Des Moines	0	608
1031	77-03599	House		Building(s)	Des Moines	0	603
1032	77-03600	House		Building(s)	Des Moines	0	517
1033	77-03601	House		Building(s)	Des Moines	1896	506
1034	77-03602	House		Building(s)	Des Moines	0	506
1035	77-03603	House		Building(s)	Des Moines	0	501
1036	77-03604	House		Building(s)	Des Moines	0	497
1037	77-03605	House		Building(s)	Des Moines	0	497
1038	77-03606	House		Building(s)	Des Moines	0	495
1039	77-03607	House		Building(s)	Des Moines	0	489
1040	77-03608	House		Building(s)	Des Moines	0	486
1041	77-03609	Spinney, Dr. & Mrs. E.C., House		Building(s)	Des Moines	1895	489

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
1042	77-03610	House		Building(s)	Des Moines	1895	407
1043	77-03611	Keeler, Rev. R. W. and Fannie, House	11/4/1993	Building(s)	Des Moines	1889	402
1044	77-03612	House		Building(s)	Des Moines	0	400
1045	77-03613	House		Building(s)	Des Moines	0	386
1046	77-03614	House		Building(s)	Des Moines	0	389
1047	77-03615	House		Building(s)	Des Moines	1889	387
1048	77-03616	House		Building(s)	Des Moines	0	382
1049	77-03617	House		Building(s)	Des Moines	0	384
1050	77-03618	House		Building(s)	Des Moines	0	379
1051	77-03619	House		Building(s)	Des Moines	0	373
1052	77-03620	House		Building(s)	Des Moines	0	376
1053	77-03621	House		Building(s)	Des Moines	1892	370
1054	77-03622	House		Building(s)	Des Moines	0	297
1055	77-03623	House		Building(s)	Des Moines	0	281
1056	77-03624	House		Building(s)	Des Moines	0	264
1057	77-03625	House		Building(s)	Des Moines	0	272
1058	77-03626	House		Building(s)	Des Moines	0	261
1059	77-03627	House		Building(s)	Des Moines	0	258
1060	77-03628	House		Building(s)	Des Moines	0	251
1061	77-03629	House		Building(s)	Des Moines	0	249
1062	77-03630	House		Building(s)	Des Moines	0	1,007
1063	77-03631	House		Building(s)	Des Moines	0	808
1064	77-03632	House		Building(s)	Des Moines	0	734
1065	77-03633	House		Building(s)	Des Moines	0	679
1066	77-03634	House		Building(s)	Des Moines	0	596
1067	77-03635	House		Building(s)	Des Moines	0	564
1068	77-03636	House		Building(s)	Des Moines	1886	561
1069	77-03637	House		Building(s)	Des Moines	1885	480
1070	77-03638	House		Building(s)	Des Moines	1916	404
1071	77-03639	House		Building(s)	Des Moines	1902	383
1072	77-03640	House		Building(s)	Des Moines	0	390
1073	77-03641	House		Building(s)	Des Moines	1902	409
1074	77-03642	House		Building(s)	Des Moines	0	494
1075	77-03643	House		Building(s)	Des Moines	1899	500
1076	77-03644	House		Building(s)	Des Moines	0	503
1077	77-03645	House		Building(s)	Des Moines	0	547
1078	77-03646	House		Building(s)	Des Moines	0	550
1079	77-03647	House		Building(s)	Des Moines	0	553
1080	77-03648	House		Building(s)	Des Moines	0	555

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
1081	77-03649	House		Building(s)	Des Moines	0	622
1082	77-03650	House		Building(s)	Des Moines	0	807
1083	77-03651	House		Building(s)	Des Moines	0	809
1084	77-03652	House		Building(s)	Des Moines	0	722
1085	77-03653	House		Building(s)	Des Moines	0	713
1086	77-03654	House		Building(s)	Des Moines	0	710
1087	77-03655	House		Building(s)	Des Moines	0	276
1088	77-03656	House		Building(s)	Des Moines	0	810
1089	77-03657	House		Building(s)	Des Moines	0	732
1090	77-03658	House		Building(s)	Des Moines	1910	729
1091	77-03659	House		Building(s)	Des Moines	0	1,002
1092	77-03660	House		Building(s)	Des Moines	0	1,007
1093	77-03661	House		Building(s)	Des Moines	0	1,006
1094	77-03662	House		Building(s)	Des Moines	0	1,006
1095	77-03663	House		Building(s)	Des Moines	0	1,165
1096	77-03664	House		Building(s)	Des Moines	0	1,161
1097	77-03665	House		Building(s)	Des Moines	0	1,161
1098	77-03666	House		Building(s)	Des Moines	0	1,150
1099	77-03667	House		Building(s)	Des Moines	0	1,147
1100	77-03668	House		Building(s)	Des Moines	0	1,143
1101	77-03669	House		Building(s)	Des Moines	0	1,139
1102	77-03670	House		Building(s)	Des Moines	0	1,135
1103	77-03671	House		Building(s)	Des Moines	0	1,134
1104	77-03672	House		Building(s)	Des Moines	0	1,131
1105	77-03673	House		Building(s)	Des Moines	0	1,131
1106	77-03674	House		Building(s)	Des Moines	0	1,127
1107	77-03675	House		Building(s)	Des Moines	0	1,127
1108	77-03676	House		Building(s)	Des Moines	0	1,123
1109	77-03677	House		Building(s)	Des Moines	0	1,120
1110	77-03678	House		Building(s)	Des Moines	0	1,097
1111	77-03679	House		Building(s)	Des Moines	0	1,094
1112	77-03680	Svenska Mission Kyrkan (Swedish Mission Church)		Building(s)	Des Moines	1895	982
1113	77-03681	House		Building(s)	Des Moines	0	969
1114	77-03682	House		Building(s)	Des Moines	0	965
1115	77-03683	House		Building(s)	Des Moines	0	959
1116	77-03687	Building		Building(s)	Des Moines	0	959
1117	77-03737	House		Building(s)	Des Moines	0	953
1118	77-03739	House		Building(s)	Des Moines	0	949

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
1119	77-03740	House		Building(s)	Des Moines	0	946
1120	77-03741	House		Building(s)	Des Moines	0	942
1121	77-03742	House		Building(s)	Des Moines	0	939
1122	77-03743	House		Building(s)	Des Moines	0	940
1123	77-03744	House		Building(s)	Des Moines	1890	926
1124	77-03745	House		Building(s)	Des Moines	0	922
1125	77-03746	House		Building(s)	Des Moines	0	920
1126	77-03747	House		Building(s)	Des Moines	1901	920
1127	77-03748	House		Building(s)	Des Moines	0	914
1128	77-03749	House		Building(s)	Des Moines	1897	907
1129	77-03750	House		Building(s)	Des Moines	0	676
1130	77-03751	House		Building(s)	Des Moines	0	670
1131	77-03752	House		Building(s)	Des Moines	0	667
1132	77-03753	House		Building(s)	Des Moines	0	665
1133	77-03754	House		Building(s)	Des Moines	0	660
1134	77-03755	House		Building(s)	Des Moines	0	649
1135	77-03756	House		Building(s)	Des Moines	0	647
1136	77-03757	House		Building(s)	Des Moines	0	565
1137	77-03758	House		Building(s)	Des Moines	0	560
1138	77-03759	House		Building(s)	Des Moines	0	561
1139	77-03760	House		Building(s)	Des Moines	0	556
1140	77-03761	House		Building(s)	Des Moines	0	552
1141	77-03762	House		Building(s)	Des Moines	0	552
1142	77-03763	House		Building(s)	Des Moines	0	547
1143	77-03764	House		Building(s)	Des Moines	1897	545
1144	77-03765	House		Building(s)	Des Moines	0	545
1145	77-03766	House		Building(s)	Des Moines	0	539
1146	77-03767	House		Building(s)	Des Moines	0	540
1147	77-03768	House		Building(s)	Des Moines	0	539
1148	77-03769	House		Building(s)	Des Moines	0	463
1149	77-03770	House		Building(s)	Des Moines	0	456
1150	77-03771	House		Building(s)	Des Moines	0	451
1151	77-03772	House		Building(s)	Des Moines	0	444
1152	77-03773	House		Building(s)	Des Moines	1886	448
1153	77-03774	House		Building(s)	Des Moines	0	439
1154	77-03775	House		Building(s)	Des Moines	0	443
1155	77-03776	House		Building(s)	Des Moines	0	435
1156	77-03777	House		Building(s)	Des Moines	0	439
1157	77-03778	House		Building(s)	Des Moines	0	430

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
1158	77-03779	House		Building(s)	Des Moines	0	434
1159	77-03780	House		Building(s)	Des Moines	0	426
1160	77-03781	House		Building(s)	Des Moines	0	428
1161	77-03782	House		Building(s)	Des Moines	0	422
1162	77-03783	House		Building(s)	Des Moines	0	356
1163	77-03784	House		Building(s)	Des Moines	0	349
1164	77-03785	House		Building(s)	Des Moines	0	353
1165	77-03786	House		Building(s)	Des Moines	0	344
1166	77-03787	House		Building(s)	Des Moines	0	351
1167	77-03788	House		Building(s)	Des Moines	0	343
1168	77-03789	House		Building(s)	Des Moines	0	349
1169	77-03790	House		Building(s)	Des Moines	0	341
1170	77-03791	House		Building(s)	Des Moines	0	339
1171	77-03792	House		Building(s)	Des Moines	1892	345
1172	77-03794	Southeast Water Trough	10/8/1976	Structure	Des Moines	1906	337
1173	77-03795	Des Moines Union Railroad Company		Building(s)	Des Moines	0	343
1174	77-03796	Paxton Lumber Company, Building No. 2		Building(s)	Des Moines	1957	340
1175	77-03797	Drake Roofing Inc.		Building(s)	Des Moines	0	331
1176	77-03799	Commercial Building		Building(s)	Des Moines	0	329
1177	77-03800	Brown, Herman, Manufacturing Company		Building(s)	Des Moines	1927	944
1178	77-03810	House		Building(s)	Des Moines	1910	780
1179	77-03811	Duplex		Building(s)	Des Moines	1900	779
1180	77-03812	House		Building(s)	Des Moines	1920	779
1181	77-03813	House		Building(s)	Des Moines	0	914
1182	77-03814	House		Building(s)	Des Moines	0	1,150
1183	77-03815	House		Building(s)	Des Moines	0	1,142
1184	77-03816	House		Building(s)	Des Moines	0	1,142
1185	77-03817	House		Building(s)	Des Moines	0	1,135
1186	77-03818	House		Building(s)	Des Moines	0	1,131
1187	77-03819	House		Building(s)	Des Moines	0	1,112
1188	77-03820	House		Building(s)	Des Moines	0	1,024
1189	77-03821	House		Building(s)	Des Moines	1914	1,022
1190	77-03822	House		Building(s)	Des Moines	0	1,014
1191	77-03823	House		Building(s)	Des Moines	0	1,010
1192	77-03824	House		Building(s)	Des Moines	0	1,012

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
1193	77-03825	House		Building(s)	Des Moines	0	1,005
1194	77-03826	Duplex		Building(s)	Des Moines	1913	1,001
1195	77-03827	House		Building(s)	Des Moines	0	997
1196	77-03828	House		Building(s)	Des Moines	0	995
1197	77-03829	House		Building(s)	Des Moines	0	991
1198	77-03830	House		Building(s)	Des Moines	0	988
1199	77-03831	House		Building(s)	Des Moines	0	985
1200	77-03832	House		Building(s)	Des Moines	0	979
1201	77-03833	House		Building(s)	Des Moines	0	975
1202	77-03834	House		Building(s)	Des Moines	0	976
1203	77-03839	House		Building(s)	Des Moines	1900	968
1204	77-03840	House		Building(s)	Des Moines	1897	970
1205	77-03841	Railroad Yard		Building(s)	Des Moines	0	961
1206	77-03846	Allied Motor Parts		Building(s)	Des Moines	0	955
1207	77-03848	House		Building(s)	Des Moines	1889	859
1208	77-03850	Capital Park High School		Building(s)	Des Moines	1890	859
1209	77-03851	House		Building(s)	Des Moines	0	854
1210	77-03852	House		Building(s)	Des Moines	1917	848
1211	77-03853	House		Building(s)	Des Moines	1918	841
1212	77-03854	House		Building(s)	Des Moines	0	839
1213	77-03855	House		Building(s)	Des Moines	0	826
1214	77-03856	House		Building(s)	Des Moines	0	732
1215	77-03857	House		Building(s)	Des Moines	1916	732
1216	77-03858	House		Building(s)	Des Moines	0	729
1217	77-03859	House		Building(s)	Des Moines	1913	727
1218	77-03860	House		Building(s)	Des Moines	0	719
1219	77-03875	All Nations Church of God in Christ		Building(s)	Des Moines	0	616
1220	77-03876	SE Assembly of God Church		Building(s)	Des Moines	0	616
1221	77-03877	House		Building(s)	Des Moines	0	610
1222	77-03878	House		Building(s)	Des Moines	0	608
1223	77-03896	Lopez House		Building(s)	Des Moines	0	607
1224	77-03897	Flatt Tire Center Warehouse		Building(s)	Des Moines	0	609
1225	77-03898	Iowelder Supply Co.		Building(s)	Des Moines	0	603
1226	77-03899	La Pizza House		Building(s)	Des Moines	0	597
1227	77-03900	Commercial Building		Building(s)	Des Moines	0	602
1228	77-03901	Tackle Box Bait Shop		Building(s)	Des Moines	0	596

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
1229	77-03904	Commercial/Industrial Structure		Building(s)	Des Moines	0	585
1230	77-03905	Fitch, F. W., Company, Building		Building(s)	Des Moines	1917	528
1231	77-03906	Glyde Auto Electric Company		Building(s)	Des Moines	0	518
1232	77-03955	Casady, P.M., School		Building(s)	Des Moines	1905	514
1233	77-03959	Housby Paint & Body Shop		Building(s)	Des Moines	1968	514
1234	77-03960	Two Sheds		Building(s)	Des Moines	0	512
1235	77-04385	House		Building(s)	Des Moines	0	511
1236	77-04386	House		Building(s)	Des Moines	0	859
1237	77-04387	House		Building(s)	Des Moines	0	628
1238	77-04388	House		Building(s)	Des Moines	0	879
1239	77-04389	House		Building(s)	Des Moines	0	832
1240	77-04562	House and Shed		Building(s)	Des Moines	0	805
1241	77-04624	House	10/11/1978	Building(s)	Des Moines	1955	778
1242	77-04625	House	10/11/1978	Building(s)	Des Moines	1913	793
1243	77-04626	House	10/11/1978	Building(s)	Des Moines	1885	754
1244	77-04627	Weaver, James B., House	10/11/1978	Building(s)	Des Moines	1901	599
1245	77-04628	Henry, George B., House	10/11/1978	Building(s)	Des Moines	1909	579
1246	77-04629	House	10/11/1978	Building(s)	Des Moines	0	613
1247	77-04630	House	10/11/1978	Building(s)	Des Moines	1941	621
1248	77-04631	House	10/11/1978	Building(s)	Des Moines	1908	623
1249	77-04632	House	10/11/1978	Building(s)	Des Moines	1914	617
1250	77-04667	House	10/11/1978	Building(s)	Des Moines	1906	625
1251	77-04668	House	10/11/1978	Building(s)	Des Moines	1904	618
1252	77-04669	Langan, Thomas M., House	10/11/1978	Building(s)	Des Moines	1907	628
1253	77-04670	Langan, William H., House	10/11/1978	Building(s)	Des Moines	1907	620
1254	77-04671	Nollen, Henry, House	10/11/1978	Building(s)	Des Moines	1916	629
1255	77-04893	House		Building(s)	Des Moines	0	630
1256	77-04918	House		Building(s)	Des Moines	1930	622
1257	77-04919	Lincoln Place Bridge		Structure	Des Moines	0	658
1258	77-04920	House		Building(s)	Des Moines	1940	667
1259	77-04922	House		Building(s)	Des Moines	0	660
1260	77-04941	Fay, Dr. Oliver, House		Building(s)	Des Moines	1922	669
1261	77-04942	House		Building(s)	Des Moines	1924	670

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
1262	77-05002	Wallace, Henry C., House		Building(s)	Des Moines	1912	664
1263	77-05205	House		Building(s)	Des Moines	0	673
1264	77-05206	Van Nada, Gerald and Mary E., House	12/10/2003	Building(s)	Des Moines	1952	666
1265	77-05276	House		Building(s)	Des Moines	0	674
1266	77-05404	Moore, Dr. Fred, House		Building(s)	Des Moines	0	667
1267	77-05415	House		Building(s)	Des Moines	0	676
1268	77-05436	House		Building(s)	Des Moines	0	765
1269	77-05437	House		Building(s)	Des Moines	0	763
1270	77-05438	House		Building(s)	Des Moines	0	700
1271	77-05439	House		Building(s)	Des Moines	0	686
1272	77-05440	House		Building(s)	Des Moines	0	891
1273	77-05441	House		Building(s)	Des Moines	0	642
1274	77-05442	House		Building(s)	Des Moines	0	639
1275	77-05443	House		Building(s)	Des Moines	0	639
1276	77-05444	House		Building(s)	Des Moines	0	642
1277	77-05445	House		Building(s)	Des Moines	0	719
1278	77-05446	House		Building(s)	Des Moines	0	720
1279	77-05447	House		Building(s)	Des Moines	0	723
1280	77-05448	House		Building(s)	Des Moines	0	732
1281	77-05449	House		Building(s)	Des Moines	0	725
1282	77-05450	Building		Building(s)	Des Moines	0	725
1283	77-05451	House		Building(s)	Des Moines	0	726
1284	77-05452	House		Building(s)	Des Moines	0	894
1285	77-05453	House		Building(s)	Des Moines	0	886
1286	77-05471	House		Building(s)	Des Moines	0	876
1287	77-05472	Terrace Hill Carriage House	7/31/2003	Building(s)	Des Moines	0	881
1288	77-05473	Building		Building(s)	Des Moines	0	849
1289	77-05474	United Plating Company		Building(s)	Des Moines	1962	642
1290	77-05475	House		Building(s)	Des Moines	1901	642
1291	77-05476	House		Building(s)	Des Moines	1897	642
1292	77-05477	House		Building(s)	Des Moines	1897	479
1293	77-05478	House		Building(s)	Des Moines	1900	8
1294	77-05480	Tools, Inc.		Building(s)	Des Moines	0	1,011
1295	77-05481	Apartment Building	4/23/1998	Building(s)	Des Moines	1924	439
1296	77-05482	Apartment Building	4/23/1998	Building(s)	Des Moines	1924	735
1297	77-05483	Christianson, Elmer, House	3/22/1990	Building(s)	Des Moines	1940	454

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
1298	77-05484	House & Garage	3/22/1990	Building(s)	Des Moines	1939	351
1299	77-05485	House	3/22/1990	Building(s)	Des Moines	1937	348
1300	77-05486	House		Building(s)	Des Moines	1885	344
1301	77-05493	House		Building(s)	Des Moines	0	421
1302	77-05494	Kelly, Dr. Lawrence E., House		Building(s)	Des Moines	1923	421
1303	77-05495	The Almar Apartment Building	10/25/1996	Building(s)	Des Moines	1924	431
1304	77-05496	House		Building(s)	Des Moines	1913	891
1305	77-05497	House		Building(s)	Des Moines	1912	886
1306	77-05498	House		Building(s)	Des Moines	0	881
1307	77-05499	House		Building(s)	Des Moines	0	932
1308	77-05500	House		Building(s)	Des Moines	0	1,066
1309	77-05501	House		Building(s)	Des Moines	0	281
1310	77-05502	House		Building(s)	Des Moines	1923	309
1311	77-05503	House		Building(s)	Des Moines	1899	1,101
1312	77-05504	House		Building(s)	Des Moines	1905	1,269
1313	77-05505	House		Building(s)	Des Moines	1894	1,146
1314	77-05506	House		Building(s)	Des Moines	1915	1,259
1315	77-05507	House		Building(s)	Des Moines	1894	1,240
1316	77-05508	House		Building(s)	Des Moines	1915	1,267
1317	77-05509	House		Building(s)	Des Moines	0	1,360
1318	77-05510	House		Building(s)	Des Moines	1915	1,433
1319	77-05511	House		Building(s)	Des Moines	1913	1,428
1320	77-05512	Hayes, William B., House	10/25/1996	Building(s)	Des Moines	1886	1,426
1321	77-05513	House & Stable	10/25/1996	Building(s)	Des Moines	1887	1,416
1322	77-05514	House	10/25/1996	Building(s)	Des Moines	0	1,402
1323	77-05515	House & Stable	10/25/1996	Building(s)	Des Moines	1903	1,398
1324	77-05516	House & Garage	10/25/1996	Building(s)	Des Moines	1963	1,394
1325	77-05517	House	10/25/1996	Building(s)	Des Moines	1890	1,347
1326	77-05518	House & Stable	10/25/1996	Building(s)	Des Moines	1890	1,395
1327	77-05519	House & Garage	10/25/1996	Building(s)	Des Moines	1891	1,370
1328	77-05520	House & Garage	10/25/1996	Building(s)	Des Moines	1908	1,364
1329	77-05521	House & Stable	10/25/1996	Building(s)	Des Moines	1893	1,263
1330	77-05522	House	10/25/1996	Building(s)	Des Moines	1956	1,257
1331	77-05523	House	10/25/1996	Building(s)	Des Moines	0	1,249
1332	77-05524	House	10/25/1996	Building(s)	Des Moines	1907	1,244
1333	77-05525	House	10/25/1996	Building(s)	Des Moines	1895	1,243
1334	77-05526	House & Garage	10/25/1996	Building(s)	Des Moines	1892	1,230
1335	77-05527	House	10/25/1996	Building(s)	Des Moines	1920	1,230

Table 5: The Study Area’s Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
1336	77-05528	House & Garage	10/25/1996	Building(s)	Des Moines	1906	557
1337	77-05529	House & Garage	10/25/1996	Building(s)	Des Moines	1906	574
1338	77-05530	Peasall, George E., House & Garage	10/25/1996	Building(s)	Des Moines	1875	575
1339	77-05531	House	10/25/1996	Building(s)	Des Moines	1978	605
1340	77-05532	House & Garage	10/25/1996	Building(s)	Des Moines	1949	608
1341	77-05533	House & Stable	10/25/1996	Building(s)	Des Moines	1910	896
1342	77-05534	Apartment Building	10/25/1996	Building(s)	Des Moines	1958	896
1343	77-05535	House & Garage	10/25/1996	Building(s)	Des Moines	1915	896
1344	77-05536	Apartment Building	10/25/1996	Building(s)	Des Moines	1958	1,402
1345	77-05537	Apartment Building	10/25/1996	Building(s)	Des Moines	1958	1,332
1346	77-05538	House	10/25/1996	Building(s)	Des Moines	1897	1,186
1347	77-05539	Knotts, T.H., House	10/25/1996	Building(s)	Des Moines	1903	1,181
1348	77-05540	House	10/25/1996	Building(s)	Des Moines	1892	936
1349	77-05541	House	10/25/1996	Building(s)	Des Moines	1905	1,047
1350	77-05542	House and Garage	10/25/1996	Building(s)	Des Moines	0	521
1351	77-05543	House	10/25/1996	Building(s)	Des Moines	1944	513
1352	77-05544	Phillips, W.D., House and Garage	10/25/1996	Building(s)	Des Moines	1907	518
1353	77-05545	House and Garage	10/25/1996	Building(s)	Des Moines	1910	528
1354	77-05546	House and Garage	10/25/1996	Building(s)	Des Moines	1903	583
1355	77-05547	House	10/25/1996	Building(s)	Des Moines	1899	587
1356	77-05548	House and Garage	10/25/1996	Building(s)	Des Moines	1902	601
1357	77-05549	Schuster, Joseph A., House	10/25/1996	Building(s)	Des Moines	1937	597
1358	77-05550	Apartment Building and Stable	10/25/1996	Building(s)	Des Moines	0	608
1359	77-05551	House	10/25/1996	Building(s)	Des Moines	1897	698
1360	77-05552	House	10/25/1996	Building(s)	Des Moines	1898	707
1361	77-05553	House	10/25/1996	Building(s)	Des Moines	1898	711
1362	77-05554	Howell, Ford J., House and Garage	10/25/1996	Building(s)	Des Moines	1908	716
1363	77-05555	Nye, Edwin A. and Ada F., House and Stable	10/25/1996	Building(s)	Des Moines	1905	756
1364	77-05556	House and Garage	10/25/1996	Building(s)	Des Moines	1896	756
1365	77-05557	Wyman, H.B., House and Stable	10/25/1996	Building(s)	Des Moines	1898	863
1366	77-05558	House	10/25/1996	Building(s)	Des Moines	1958	1,014
1367	77-05604	Kramma House		Building(s)	Des Moines	1860	875
1368	77-05617	House		Building(s)	Des Moines	1860	1,043
1369	77-05618	House		Building(s)	Des Moines	1911	926

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
1370	77-05619	House		Building(s)	Des Moines	1925	948
1371	77-05620	House		Building(s)	Des Moines	1916	1,087
1372	77-05657	Walter, Otto, House & Garage	3/22/1990	Building(s)	Des Moines	1940	722
1373	77-05658	Betts, Henry, House	3/22/1990	Building(s)	Des Moines	1938	364
1374	77-05659	Dreier, Zoe, House & Garage	3/22/1990	Building(s)	Des Moines	1918	1,030
1375	77-05660	McGlothlen, Forest, House	3/22/1990	Building(s)	Des Moines	1938	488
1376	77-05661	Walton, Arthur, House & Garage	3/22/1990	Building(s)	Des Moines	0	819
1377	77-05662	House & Garage	3/22/1990	Building(s)	Des Moines	1940	459
1378	77-05663	Fishback, Louis, House & Garage	3/22/1990	Building(s)	Des Moines	1936	553
1379	77-05664	Furman, Robert, House	3/22/1990	Building(s)	Des Moines	1940	548
1380	77-05665	House	3/22/1990	Building(s)	Des Moines	1947	547
1381	77-05666	Duncan, Lloyd, House	3/22/1990	Building(s)	Des Moines	1939	489
1382	77-05667	Schiller-Frazier House & Garage	3/22/1990	Building(s)	Des Moines	1940	487
1383	77-05668	Yarnall, Denver, House	3/22/1990	Building(s)	Des Moines	1939	478
1384	77-05669	Bird, Virgil, House	3/22/1990	Building(s)	Des Moines	1939	476
1385	77-05670	Gimbert, Henry, House	3/22/1990	Building(s)	Des Moines	1939	473
1386	77-05671	Riebhoff, James, House & Garage	3/22/1990	Building(s)	Des Moines	1939	472
1387	77-05672	Tallman, Russell, House	3/22/1990	Building(s)	Des Moines	1940	436
1388	77-05673	Bumpliori, Anthony, House	3/22/1990	Building(s)	Des Moines	1941	434
1389	77-05674	Hudson, James, House & Garage	3/22/1990	Building(s)	Des Moines	1939	432
1390	77-05675	House		Building(s)	Des Moines	1900	429
1391	77-05692	Birdland Pool and Bathhouse		Object	Des Moines	1935	428
1392	77-05693	2nd Ave Overpass		Structure	Des Moines	1936	427
1393	77-05694	Birdland Bridge		Structure	Des Moines	1930	425
1394	77-05743	House		Building(s)	Des Moines	0	397
1395	77-05744	House		Building(s)	Des Moines	0	396
1396	77-05745	House		Building(s)	Des Moines	1905	395
1397	77-05747	Hall, Howard, House	3/22/1990	Building(s)	Des Moines	1937	234
1398	77-05748	House	3/22/1990	Building(s)	Des Moines	1958	292
1399	77-05749	House	3/22/1990	Building(s)	Des Moines	1952	241

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
1400	77-05750	House and Garage	3/22/1990	Building(s)	Des Moines	1941	449
1401	77-05751	House	3/22/1990	Building(s)	Des Moines	1957	588
1402	77-05752	Quinn, Virgil, House	3/22/1990	Building(s)	Des Moines	1940	749
1403	77-05753	House	3/22/1990	Building(s)	Des Moines	1937	767
1404	77-05754	Lewis, John, House	3/22/1990	Building(s)	Des Moines	1938	772
1405	77-05755	Coffin, Ernest, House	3/22/1990	Building(s)	Des Moines	1938	755
1406	77-05756	House and Garage	3/22/1990	Building(s)	Des Moines	1950	218
1407	77-05757	Phillips, William, House	3/22/1990	Building(s)	Des Moines	1941	211
1408	77-05758	Burnett, Carroll, House	3/22/1990	Building(s)	Des Moines	1939	211
1409	77-05759	House	3/22/1990	Building(s)	Des Moines	1939	752
1410	77-05760	House	3/22/1990	Building(s)	Des Moines	1934	753
1411	77-05761	Daubert, LeRoy, House	3/22/1990	Building(s)	Des Moines	1940	753
1412	77-05762	Stonebraker, Victor, House	3/22/1990	Building(s)	Des Moines	1940	779
1413	77-05763	Gesin, Ernest, House	3/22/1990	Building(s)	Des Moines	1940	1,050
1414	77-05764	Watters, Dr. Philip G., House	3/22/1990	Building(s)	Des Moines	1937	1,076
1415	77-05765	House	3/22/1990	Building(s)	Des Moines	1942	161
1416	77-05766	Orr, John, Early House	3/22/1990	Building(s)	Des Moines	1942	842
1417	77-05767	Galinsky, Louis, House and Garage	3/22/1990	Building(s)	Des Moines	0	858
1418	77-05768	West, Roger, House	3/22/1990	Building(s)	Des Moines	1929	869
1419	77-05769	House and Garage	3/22/1990	Building(s)	Des Moines	1946	790
1420	77-05770	Ryan, Morris, House and Garage	3/22/1990	Building(s)	Des Moines	1941	785
1421	77-05771	Harvey, Leslie, House	3/22/1990	Building(s)	Des Moines	1925	779
1422	77-05793	Center Street Dam	12/7/1988	Structure	Des Moines	1917	763
1423	77-05828	Gazebo	3/22/1990	Structure	Des Moines	0	761
1424	77-05829	Entry Posts	3/22/1990	Site	Des Moines	1920	760
1425	77-05830	Board, Gertrude, House And Garage	3/22/1990	Building(s)	Des Moines	1939	754
1426	77-05831	Livingston, Clyde, House	3/22/1990	Building(s)	Des Moines	1935	753
1427	77-05832	Rees, Theodore, House and Garage	3/22/1990	Building(s)	Des Moines	1929	750
1428	77-05833	Baier, August, House	3/22/1990	Building(s)	Des Moines	1941	746
1429	77-05834	Mussetter, Carl, Later House	3/22/1990	Building(s)	Des Moines	1933	743
1430	77-05835	House	3/22/1990	Building(s)	Des Moines	1954	742

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
1431	77-05836	Curtis, Harry, House	3/22/1990	Building(s)	Des Moines	1925	740
1432	77-05837	Douglass, Donald M., House	3/22/1990	Building(s)	Des Moines	1927	721
1433	77-05838	House	3/22/1990	Building(s)	Des Moines	1955	609
1434	77-05839	Schaub, George, House	3/22/1990	Building(s)	Des Moines	1925	599
1435	77-05840	Bemis, John, House	3/22/1990	Building(s)	Des Moines	1932	596
1436	77-05841	House	3/22/1990	Building(s)	Des Moines	1948	593
1437	77-05842	House and Garage	3/22/1990	Building(s)	Des Moines	1959	591
1438	77-05843	Winslow, William Jr., House	3/22/1990	Building(s)	Des Moines	1928	588
1439	77-05844	Mussetter, Carl, Early House	3/22/1990	Building(s)	Des Moines	1928	585
1440	77-05845	Robinson, Thomas, House and Garage	3/22/1990	Building(s)	Des Moines	0	577
1441	77-05846	Duplex	3/22/1990	Building(s)	Des Moines	1951	572
1442	77-05847	House and Garage	3/22/1990	Building(s)	Des Moines	1960	565
1443	77-05848	House	3/22/1990	Building(s)	Des Moines	1941	560
1444	77-05849	Shover, Raymond, House	3/22/1990	Building(s)	Des Moines	1928	481
1445	77-05850	House	3/22/1990	Building(s)	Des Moines	1955	480
1446	77-05851	Henderson, Theodore, House	3/22/1990	Building(s)	Des Moines	1928	475
1447	77-05852	Duplex	3/22/1990	Building(s)	Des Moines	1951	462
1448	77-05853	Bloom, Alem, House	3/22/1990	Building(s)	Des Moines	1929	460
1449	77-05854	McGinn, John, House	3/22/1990	Building(s)	Des Moines	1930	457
1450	77-05855	House and Garage	3/22/1990	Building(s)	Des Moines	1928	456
1451	77-05856	House and Garage	3/22/1990	Building(s)	Des Moines	1929	444
1452	77-05857	Jordan, Lewis, House	3/22/1990	Building(s)	Des Moines	1930	442
1453	77-05858	House	3/22/1990	Building(s)	Des Moines	1949	349
1454	77-05859	Davis, Lester, House	3/22/1990	Building(s)	Des Moines	1927	347
1455	77-05860	Lofquist, Edward, House	3/22/1990	Building(s)	Des Moines	1939	346
1456	77-05861	Utterbach, Roscoe, House	3/22/1990	Building(s)	Des Moines	1938	345
1457	77-05862	Hazlett, Clifford, House and Garage	3/22/1990	Building(s)	Des Moines	1938	342
1458	77-05863	Miles, Milton, House	3/22/1990	Building(s)	Des Moines	1939	336
1459	77-05864	Beebe, Arthur, House	3/22/1990	Building(s)	Des Moines	1938	330
1460	77-05865	Muth, Lester, House and Garage	3/22/1990	Building(s)	Des Moines	1938	328
1461	77-05866	Siegel, Sidney, House	3/22/1990	Building(s)	Des Moines	1940	116

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
1462	77-05867	Harlan, Walter, House and Garage	3/22/1990	Building(s)	Des Moines	1939	118
1463	77-05868	Townsan, Clarence, House	3/22/1990	Building(s)	Des Moines	1926	111
1464	77-05869	Sonderleiter, Kenneth, House	3/22/1990	Building(s)	Des Moines	1927	124
1465	77-05870	Coleman, Allen, House	3/22/1990	Building(s)	Des Moines	1929	112
1466	77-05871	Whitman, Beatrice, House and Garage	3/22/1990	Building(s)	Des Moines	1940	125
1467	77-05872	Russell, Charles, House and Garage	3/22/1990	Building(s)	Des Moines	1939	129
1468	77-05873	House	3/22/1990	Building(s)	Des Moines	1940	131
1469	77-05874	Miller, Gerald, House	3/22/1990	Building(s)	Des Moines	1928	121
1470	77-05875	House	3/22/1990	Building(s)	Des Moines	1935	135
1471	77-05876	Anderson, Lloyd, House	3/22/1990	Building(s)	Des Moines	1940	136
1472	77-05877	Beck, J. Edwin, House and Garage	3/22/1990	Building(s)	Des Moines	1930	137
1473	77-05878	Armstrong, Dean, House and Garage	3/22/1990	Building(s)	Des Moines	1940	138
1474	77-05879	Alexander, Archie, House	3/22/1990	Building(s)	Des Moines	1928	139
1475	77-05880	Cox, Loren, House	3/22/1990	Building(s)	Des Moines	1938	131
1476	77-05881	House		Building(s)	Des Moines	1912	135
1477	77-05882	House		Building(s)	Des Moines	0	137
1478	77-05883	House		Building(s)	Des Moines	1912	149
1479	77-05884	House		Building(s)	Des Moines	0	1,213
1480	77-05885	House		Building(s)	Des Moines	0	1,204
1481	77-05886	House		Building(s)	Des Moines	0	700
1482	77-05887	House		Building(s)	Des Moines	0	568
1483	77-05888	Des Moines Union Railroad Company Offices		Building(s)	Des Moines	1888	908
1484	77-05889	National Biscuit Company	5/6/2009	Building(s)	Des Moines	1906	792
1485	77-05890	Railroad Yard		Site	Des Moines	0	794
1486	77-05891	Millner Hotel		Building(s)	Des Moines	0	789
1487	77-05893	Commercial Building		Building(s)	Des Moines	1895	724
1488	77-05897	House		Building(s)	Des Moines	0	726
1489	77-05898	House		Building(s)	Des Moines	0	721
1490	77-05899	House		Building(s)	Des Moines	0	723
1491	77-05900	House		Building(s)	Des Moines	0	721
1492	77-05901	House		Building(s)	Des Moines	0	717

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
1493	77-05902	House		Building(s)	Des Moines	0	718
1494	77-05903	Jolly Time Tap		Structure	Des Moines	0	712
1495	77-05904	House		Building(s)	Des Moines	0	714
1496	77-05905	House		Building(s)	Des Moines	0	712
1497	77-05906	House		Building(s)	Des Moines	0	709
1498	77-05907	House		Building(s)	Des Moines	0	709
1499	77-05908	House		Building(s)	Des Moines	0	706
1500	77-05909	House		Building(s)	Des Moines	0	702
1501	77-05910	House		Building(s)	Des Moines	0	706
1502	77-05911	House		Building(s)	Des Moines	0	362
1503	77-05912	House		Building(s)	Des Moines	0	258
1504	77-05913	Apartments		Building(s)	Des Moines	0	115
1505	77-05926	House		Building(s)	Des Moines	1889	186
1506	77-05927	House		Building(s)	Des Moines	1892	390
1507	77-05928	House		Building(s)	Des Moines	0	863
1508	77-05929	House		Building(s)	Des Moines	0	865
1509	77-05930	House		Building(s)	Des Moines	0	451
1510	77-05931	House		Building(s)	Des Moines	0	456
1511	77-05932	House		Building(s)	Des Moines	0	505
1512	77-05933	House		Building(s)	Des Moines	0	508
1513	77-05934	House		Building(s)	Des Moines	0	515
1514	77-05935	House		Building(s)	Des Moines	0	518
1515	77-05936	House		Building(s)	Des Moines	0	478
1516	77-05937	Apartments	10/25/1996	Building(s)	Des Moines	1960	522
1517	77-05938	House		Building(s)	Des Moines	0	583
1518	77-05939	House		Building(s)	Des Moines	0	580
1519	77-05940	House		Building(s)	Des Moines	0	578
1520	77-05941	House		Building(s)	Des Moines	0	585
1521	77-05942	House		Building(s)	Des Moines	0	577
1522	77-05943	House		Building(s)	Des Moines	0	581
1523	77-05944	House		Building(s)	Des Moines	0	564
1524	77-05945	House		Building(s)	Des Moines	0	573
1525	77-05946	House		Building(s)	Des Moines	0	568
1526	77-05947	Sargent's Garage	10/22/1998	Building(s)	Des Moines	1924	557
1527	77-05948	House		Building(s)	Des Moines	0	562
1528	77-05949	North High School		Building(s)	Des Moines	1902	562
1529	77-05950	House		Building(s)	Des Moines	0	561
1530	77-05951	Scheibe, Julius, Cottage	10/22/1998	Building(s)	Des Moines	1898	551
1531	77-05952	House		Building(s)	Des Moines	0	561

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
1532	77-05953	House		Building(s)	Des Moines	1900	557
1533	77-05954	Shaw Memorial Hall		Building(s)	Des Moines	0	557
1534	77-05955	Dowling High School		Building(s)	Des Moines	1909	1
1535	77-05956	Old Dowling Gym		Building(s)	Des Moines	0	645
1536	77-05958	Chiesa, Joseph, House		Building(s)	Des Moines	1875	645
1537	77-05959	Depolinia, Peter, House		Building(s)	Des Moines	1875	440
1538	77-05960	Walker, Buffon S., House		Building(s)	Des Moines	1900	489
1539	77-05962	House		Building(s)	Des Moines	1880	514
1540	77-05963	Commercial Bag & Textile Company		Building(s)	Des Moines	0	541
1541	77-06061	River Embankment		Structure	Des Moines	1936	537
1542	77-06062	Chevalier, Wright, and Company		Building(s)	Des Moines	1880	546
1543	77-06063	Building		Building(s)	Des Moines	0	541
1544	77-06064	Court Avenue Bridge	12/7/1988	Structure	Des Moines	1918	538
1545	77-06065	Warfield, Pratt and Howell Company Warehouse	5/15/1985	Building(s)	Des Moines	1901	666
1546	77-06067	Boyt Company Building	3/10/2009	Building(s)	Des Moines	1904	679
1547	77-06068	Building		Building(s)	Des Moines	0	692
1548	77-06069	Richards, Seth, Commercial Block	3/11/2005	Building(s)	Des Moines	1890	704
1549	77-06070	Des Moines Saddlery Company Building	6/27/1985	Building(s)	Des Moines	1878	718
1550	77-06071	Brody, F., and Sons Company		Building(s)	Des Moines	1907	719
1551	77-06072	Onyx Saloon		Building(s)	Des Moines	1890	743
1552	77-06073	Hotel Randolph	6/11/2009	Building(s)	Des Moines	1912	745
1553	77-06074	Earle and LeBosquet Commercial Block	6/11/2009	Building(s)	Des Moines	1896	743
1554	77-06075	Building		Building(s)	Des Moines	0	752
1555	77-06076	Des Moines Western Railway Freight House	7/10/2008	Building(s)	Des Moines	1903	747
1556	77-06077	Building		Building(s)	Des Moines	0	754
1557	77-06078	Building		Building(s)	Des Moines	0	752
1558	77-06079	National Biscuit Company Warehouse and Office		Building(s)	Des Moines	1920	759
1559	77-06080	Building		Building(s)	Des Moines	0	754

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
1560	77-06081	Building		Building(s)	Des Moines	0	764
1561	77-06082	Building		Building(s)	Des Moines	0	761
1562	77-06087	House		Building(s)	Des Moines	0	768
1563	77-06088	House		Building(s)	Des Moines	1900	816
1564	77-06089	House		Building(s)	Des Moines	0	806
1565	77-06090	Garage		Building(s)	Des Moines	0	815
1566	77-06091	House		Building(s)	Des Moines	0	806
1567	77-06092	House		Building(s)	Des Moines	0	815
1568	77-06093	House		Building(s)	Des Moines	0	801
1569	77-06094	House		Building(s)	Des Moines	0	801
1570	77-06095	House		Building(s)	Des Moines	0	740
1571	77-06096	House		Building(s)	Des Moines	0	736
1572	77-06135	Apartment Building		Building(s)	Des Moines	1900	686
1573	77-06136	Apartment Building		Building(s)	Des Moines	1900	683
1574	77-06137	Apartment Building		Building(s)	Des Moines	0	682
1575	77-06142	Apartment Building		Building(s)	Des Moines	1905	679
1576	77-06179	Building		Building(s)	Des Moines	1945	679
1577	77-06180	Building		Building(s)	Des Moines	1961	676
1578	77-06181	House		Building(s)	Des Moines	0	675
1579	77-06182	House		Building(s)	Des Moines	0	673
1580	77-06183	House		Building(s)	Des Moines	0	672
1581	77-06184	House		Building(s)	Des Moines	1900	621
1582	77-06189	Fire Station No. 6		Building(s)	Des Moines	1905	620
1583	77-06190	House		Building(s)	Des Moines	1872	620
1584	77-06192	House		Building(s)	Des Moines	1875	618
1585	77-06200	Ginsbergs Furniture Warehouse		Building(s)	Des Moines	0	615
1586	77-06201	Blue Line Storage Building		Building(s)	Des Moines	1905	550
1587	77-06203	Warehouse		Building(s)	Des Moines	1976	528
1588	77-06207	Euclid Avenue Bridge #040400		Structure	Des Moines	1934	172
1589	77-06212	Highland Apartments	7/15/1998	Building(s)	Des Moines	1915	178
1590	77-06217	House		Building(s)	Des Moines	0	182
1591	77-06218	House		Building(s)	Des Moines	1887	185
1592	77-06219	House		Building(s)	Des Moines	1907	191
1593	77-06220	House		Building(s)	Des Moines	1887	191
1594	77-06221	Southwest 18th St Viaduct #003910		Structure	Des Moines	1936	200
1595	77-06222	Des Moines Water Works Company		Building(s)	Des Moines	1920	738

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
1596	77-06229	House		Building(s)	Des Moines	0	1,008
1597	77-06230	House		Building(s)	Des Moines	0	702
1598	77-06231	House		Building(s)	Des Moines	0	624
1599	77-06232	House		Building(s)	Des Moines	0	642
1600	77-06233	House		Building(s)	Des Moines	0	747
1601	77-06234	House		Building(s)	Des Moines	0	752
1602	77-06235	House		Building(s)	Des Moines	0	781
1603	77-06236	HiView Apartments		Building(s)	Des Moines	0	773
1604	77-06237	House		Building(s)	Des Moines	0	778
1605	77-06238	House		Building(s)	Des Moines	0	780
1606	77-06239	House		Building(s)	Des Moines	1896	721
1607	77-06240	House		Building(s)	Des Moines	0	806
1608	77-06241	House		Building(s)	Des Moines	0	839
1609	77-06242	J.C. Power & Light Co.		Building(s)	Des Moines	0	849
1610	77-06243	Temple Block	10/25/1996	Building(s)	Des Moines	1895	841
1611	77-06244	Commercial Building		Building(s)	Des Moines	1922	851
1612	77-06245	House		Building(s)	Des Moines	0	895
1613	77-06246	House		Building(s)	Des Moines	0	991
1614	77-06248	Bokhara Apartments	4/23/1998	Building(s)	Des Moines	1911	1,041
1615	77-06249	Synagogue		Building(s)	Des Moines	1962	1,042
1616	77-06250	House		Building(s)	Des Moines	1905	1,037
1617	77-06251	House		Building(s)	Des Moines	1905	956
1618	77-06252	House		Building(s)	Des Moines	1890	954
1619	77-06253	House		Building(s)	Des Moines	0	574
1620	77-06268	House		Building(s)	Des Moines	0	583
1621	77-06269	House		Building(s)	Des Moines	0	600
1622	77-06270	House		Building(s)	Des Moines	1899	587
1623	77-06271	House		Building(s)	Des Moines	0	602
1624	77-06272	Kuhns, George, House		Building(s)	Des Moines	1905	590
1625	77-06273	House		Building(s)	Des Moines	1908	608
1626	77-06274	Coffee, Dr. Percy, House		Building(s)	Des Moines	1906	595
1627	77-06275	House		Building(s)	Des Moines	0	610
1628	77-06276	House		Building(s)	Des Moines	0	598
1629	77-06277	House	10/11/1978	Building(s)	Des Moines	1913	613
1630	77-06278	House	10/11/1978	Building(s)	Des Moines	1905	613
1631	77-06279	Brecht, William L., House	10/11/1978	Building(s)	Des Moines	1901	628

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
1632	77-06280	Gilcrest, Charles L., House	10/11/1978	Building(s)	Des Moines	1905	629
1633	77-06281	House	10/11/1978	Building(s)	Des Moines	1890	619
1634	77-06282	Clark, Howard J., House	10/11/1978	Building(s)	Des Moines	1909	651
1635	77-06283	Hewitt, Henry, House	10/11/1978	Building(s)	Des Moines	1904	657
1636	77-06284	Ingham, Harvey, House	10/11/1978	Building(s)	Des Moines	1901	659
1637	77-06285	House	10/11/1978	Building(s)	Des Moines	1905	670
1638	77-06286	House	10/11/1978	Building(s)	Des Moines	1911	671
1639	77-06287	Young, Lafayette Sr., House	10/11/1978	Building(s)	Des Moines	1893	662
1640	77-06288	House & Carriage House	10/11/1978	Building(s)	Des Moines	1913	724
1641	77-06289	House	10/11/1978	Building(s)	Des Moines	1900	716
1642	77-06290	Rawson, Harry D., House	10/11/1978	Building(s)	Des Moines	1906	746
1643	77-06309	Bogardus, George W., House	12/10/2003	Building(s)	Des Moines	1924	787
1644	77-06311	Wood, Franz West and Pauline Elizabeth (Griner), House	12/10/2003	Building(s)	Des Moines	1924	790
1645	77-06312	Hutchinson, Charles S., House	12/10/2003	Building(s)	Des Moines	1938	825
1646	77-06313	Carney, Cyril T. and Ethel S., House	12/10/2003	Building(s)	Des Moines	1928	783
1647	77-06314	Goodwin, Robert K. and Marguerite S., House	12/10/2003	Building(s)	Des Moines	1949	775
1648	77-06315	Schiltz, Thomas C. and Eva, House	12/10/2003	Building(s)	Des Moines	1937	462
1649	77-06316	Weaver, Philip R. and Margaret, House	12/10/2003	Building(s)	Des Moines	1935	457
1650	77-06317	Fitch, Fred W. and Gertrude (Westberg), House	12/10/2003	Building(s)	Des Moines	1930	271
1651	77-06318	Ross, Alta V., House	12/10/2003	Building(s)	Des Moines	1938	854
1652	77-06319	Zinsmaster, Marcus, House	12/10/2003	Building(s)	Des Moines	1926	297
1653	77-06320	Beim, Alf N., House	12/10/2003	Building(s)	Des Moines	1929	85
1654	77-06330	House		Building(s)	Des Moines	1900	205
1655	77-06331	House		Building(s)	Des Moines	1910	406
1656	77-06332	House		Building(s)	Des Moines	0	9
1657	77-06333	House		Building(s)	Des Moines	0	96
1658	77-06334	House		Building(s)	Des Moines	1911	207

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
1659	77-06335	House		Building(s)	Des Moines	0	316
1660	77-06336	House		Building(s)	Des Moines	0	305
1661	77-06337	House		Building(s)	Des Moines	0	311
1662	77-06338	House		Building(s)	Des Moines	0	317
1663	77-06339	House		Building(s)	Des Moines	0	322
1664	77-06340	House		Building(s)	Des Moines	0	405
1665	77-06341	House		Building(s)	Des Moines	0	414
1666	77-06342	House and Garage	10/25/1996	Building(s)	Des Moines	1950	632
1667	77-06343	House & Garage	10/25/1996	Building(s)	Des Moines	1915	717
1668	77-06344	House	10/25/1996	Building(s)	Des Moines	0	818
1669	77-06345	Apartment Building	10/25/1996	Building(s)	Des Moines	1972	241
1670	77-06346	House		Building(s)	Des Moines	1900	243
1671	77-06347	House		Building(s)	Des Moines	0	338
1672	77-06348	House and Garage	10/25/1996	Building(s)	Des Moines	1915	447
1673	77-06349	House and Garage	10/25/1996	Building(s)	Des Moines	0	688
1674	77-06350	Waterbury, Eugene, House	10/25/1996	Building(s)	Des Moines	1896	428
1675	77-06351	House	10/25/1996	Building(s)	Des Moines	1959	470
1676	77-06352	House	10/25/1996	Building(s)	Des Moines	0	500
1677	77-06353	House and Garage	10/25/1996	Building(s)	Des Moines	0	506
1678	77-06354	France, George H., House and 2 Garages	10/25/1996	Building(s)	Des Moines	1905	515
1679	77-06355	Frye, Oscar, House and Stable	10/25/1996	Building(s)	Des Moines	1898	518
1680	77-06356	House		Building(s)	Des Moines	0	645
1681	77-06357	Brigham, Johnson, House	10/25/1996	Building(s)	Des Moines	1896	645
1682	77-06358	House		Building(s)	Des Moines	0	650
1683	77-06359	House		Building(s)	Des Moines	0	653
1684	77-06360	House and Garage	10/25/1996	Building(s)	Des Moines	1904	833
1685	77-06361	House and Garage	10/25/1996	Building(s)	Des Moines	1910	837
1686	77-06362	Double House	10/25/1996	Building(s)	Des Moines	1905	842
1687	77-06363	House and Garage	10/25/1996	Building(s)	Des Moines	1910	1,017
1688	77-06364	House	4/23/1998	Building(s)	Des Moines	1905	369
1689	77-06365	House		Building(s)	Des Moines	0	390
1690	77-06366	House	4/23/1998	Building(s)	Des Moines	1905	438
1691	77-06367	House	4/23/1998	Building(s)	Des Moines	1970	402
1692	77-06368	House		Building(s)	Des Moines	0	402
1693	77-06369	House		Building(s)	Des Moines	0	615
1694	77-06370	House		Building(s)	Des Moines	0	444
1695	77-06371	House		Building(s)	Des Moines	0	438

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
1696	77-06372	House		Building(s)	Des Moines	0	431
1697	77-06373	House		Building(s)	Des Moines	0	297
1698	77-06374	House		Building(s)	Des Moines	0	349
1699	77-06375	House		Building(s)	Des Moines	0	340
1700	77-06376	House		Building(s)	Des Moines	0	349
1701	77-06377	House		Building(s)	Des Moines	1910	351
1702	77-06394	Van Slyke, Paul Barrant and Eva Electra (Paull), House	12/10/2003	Building(s)	Des Moines	1916	352
1703	77-06395	Wingate, Harry A., House	12/10/2003	Building(s)	Des Moines	1921	344
1704	77-06404	Building		Building(s)	Des Moines	0	487
1705	77-06405	Kenyon Company Building		Building(s)	Des Moines	1907	252
1706	77-06406	Insurance Exchange Building		Building(s)	Des Moines	1928	741
1707	77-06407	Building		Building(s)	Des Moines	0	1,222
1708	77-06408	Paramount Theatre Building		Building(s)	Des Moines	1919	1,302
1709	77-06409	Key Building		Building(s)	Des Moines	0	12
1710	77-06410	Home Federal Savings		Building(s)	Des Moines	1963	316
1711	77-06411	Royal Union Life Building		Building(s)	Des Moines	0	439
1712	77-06412	Building		Building(s)	Des Moines	0	446
1713	77-06531	State Building: Grounds Facilities		Building(s)	Des Moines	1910	491
1714	77-06532	Dewey Ford		Building(s)	Des Moines	0	65
1715	77-06533	Commercial Building		Building(s)	Des Moines	0	166
1716	77-06534	Coddington-Sieberg Building		Building(s)	Des Moines	1890	664
1717	77-06535	Linnea Building		Building(s)	Des Moines	1880	682
1718	77-06536	Baker-DeVotie- Hollingsworth Blocks	11/14/1978	Building(s)	Des Moines	1877	691
1719	77-06537	Commercial Building		Building(s)	Des Moines	0	701
1720	77-06538	Commercial Buildings		Building(s)	Des Moines	0	783
1721	77-06539	Commercial Building		Building(s)	Des Moines	1880	790
1722	77-06553	House		Building(s)	Des Moines	0	794
1723	77-06554	House		Building(s)	Des Moines	0	781
1724	77-06555	House		Building(s)	Des Moines	0	820
1725	77-06556	House		Building(s)	Des Moines	1910	827
1726	77-06576	House		Building(s)	Des Moines	1920	924

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
1727	77-06579	House		Building(s)	Des Moines	0	889
1728	77-06580	Washington School		Building(s)	Des Moines	1874	998
1729	77-06614	Six-O-One Drive In		Building(s)	Des Moines	1950	1,002
1730	77-06615	House		Building(s)	Des Moines	1985	1,064
1731	77-06616	House	4/23/1998	Building(s)	Des Moines	1921	1,076
1732	77-06617	House		Building(s)	Des Moines	1924	1,087
1733	77-06618	House	4/23/1998	Building(s)	Des Moines	1909	1,102
1734	77-06619	Dewey, R.L., House	4/23/1998	Building(s)	Des Moines	1915	1,129
1735	77-06620	House	4/23/1998	Building(s)	Des Moines	1919	1,250
1736	77-06621	House & Garage	4/23/1998	Building(s)	Des Moines	1921	1,153
1737	77-06622	Duplex & Garage		Building(s)	Des Moines	1948	1,154
1738	77-06623	Lockwood, B. A., House	4/23/1998	Building(s)	Des Moines	1905	1,164
1739	77-06624	Fenberg, F.H., House & Garage	4/23/1998	Building(s)	Des Moines	1916	1,155
1740	77-06625	House & Garage	4/23/1998	Building(s)	Des Moines	1908	350
1741	77-06626	House & Garage	4/23/1998	Building(s)	Des Moines	1917	356
1742	77-06627	House & Garage	4/23/1998	Building(s)	Des Moines	1928	356
1743	77-06628	House	4/23/1998	Building(s)	Des Moines	1917	429
1744	77-06629	House	4/23/1998	Building(s)	Des Moines	1913	430
1745	77-06630	House		Building(s)	Des Moines	0	432
1746	77-06631	House		Building(s)	Des Moines	1948	434
1747	77-06632	Broadlawns Detention Hospital		District	Des Moines	1923	465
1748	77-06637	St. Ambrose Church and Rectory	3/30/1979	Building(s)	Des Moines	1890	475
1749	77-06638	Banker's Life		Building(s)	Des Moines	1940	475
1750	77-06698	House		Building(s)	Des Moines	0	516
1751	77-06699	Multiple Family Dwelling		Building(s)	Des Moines	0	529
1752	77-06707	House		Building(s)	Des Moines	0	537
1753	77-06708	House		Building(s)	Des Moines	0	568
1754	77-06709	House		Building(s)	Des Moines	0	571
1755	77-06710	House		Building(s)	Des Moines	0	574
1756	77-06711	House		Building(s)	Des Moines	0	566
1757	77-06712	House		Building(s)	Des Moines	0	572
1758	77-06713	House		Building(s)	Des Moines	0	585
1759	77-06714	House		Building(s)	Des Moines	0	584
1760	77-06715	House		Building(s)	Des Moines	0	601
1761	77-06716	House		Building(s)	Des Moines	0	664
1762	77-06717	House		Building(s)	Des Moines	0	676

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
1763	77-06718	House		Building(s)	Des Moines	0	634
1764	77-06719	House		Building(s)	Des Moines	0	626
1765	77-06720	House		Building(s)	Des Moines	0	460
1766	77-06721	House		Building(s)	Des Moines	0	376
1767	77-06722	House		Building(s)	Des Moines	0	359
1768	77-06723	House		Building(s)	Des Moines	0	188
1769	77-06724	House		Building(s)	Des Moines	0	120
1770	77-06725	House		Building(s)	Des Moines	0	174
1771	77-06731	St. Anthony's Church		Building(s)	Des Moines	1923	186
1772	77-06732	Garibaldi Society		Building(s)	Des Moines	1923	238
1773	77-06733	House		Building(s)	Des Moines	0	232
1774	77-06734	Johnnie & Fannie's Restaurant		Building(s)	Des Moines	0	648
1775	77-06735	Clifton Heights United Presbyterian Church		Building(s)	Des Moines	1923	179
1776	77-06736	Iowa Baking Company		Building(s)	Des Moines	1925	195
1777	77-06737	Commercial Building		Building(s)	Des Moines	1925	189
1778	77-06807	House		Building(s)	Des Moines	1920	196
1779	77-06808	Duplex		Building(s)	Des Moines	0	197
1780	77-06809	House		Building(s)	Des Moines	0	198
1781	77-06810	House	4/23/1998	Building(s)	Des Moines	1955	195
1782	77-06811	House & Garage	4/23/1998	Building(s)	Des Moines	1919	197
1783	77-06812	House		Building(s)	Des Moines	1920	201
1784	77-06814	House		Building(s)	Des Moines	1917	202
1785	77-06816	House		Building(s)	Des Moines	0	198
1786	77-06817	Fuller, Fred T., House		Building(s)	Des Moines	1910	201
1787	77-06818	House		Building(s)	Des Moines	0	204
1788	77-06819	House		Building(s)	Des Moines	0	206
1789	77-06820	House		Building(s)	Des Moines	0	206
1790	77-06821	House		Building(s)	Des Moines	0	206
1791	77-06954	House		Building(s)	Des Moines	1930	230
1792	77-06955	House		Building(s)	Des Moines	1923	231
1793	77-06956	House		Building(s)	Des Moines	0	222
1794	77-06957	Linden's Estate		Building(s)	Des Moines	1936	223
1795	77-06958	House		Building(s)	Des Moines	0	248
1796	77-06960	Houses		Building(s)	Des Moines	0	239
1797	77-06991	House		Building(s)	Des Moines	1920	240
1798	77-06992	Locust Street Bridge	12/7/1988	Structure	Des Moines	1907	250

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
1799	77-06993	Public Library of Des Moines	7/25/1977	Building(s)	Des Moines	1900	260
1800	77-06995	Homestead Building	3/5/1982	Building(s)	Des Moines	1893	270
1801	77-06996	Iowa Drug Company Building		Building(s)	Des Moines	1908	261
1802	77-06997	Savery Hotel	11/5/1998	Building(s)	Des Moines	1919	271
1803	77-06999	Iowa Liquor Store		Building(s)	Des Moines	0	271
1804	77-07000	Fanny Farmer		Building(s)	Des Moines	0	262
1805	77-07001	Hotel Franklin		Building(s)	Des Moines	0	262
1806	77-07002	Equitable of Iowa		Building(s)	Des Moines	1924	262
1807	77-07004	Iowa State Bank		Building(s)	Des Moines	0	264
1808	77-07006	Garver Building		Building(s)	Des Moines	1905	286
1809	77-07007	Register and Tribune Building		Building(s)	Des Moines	1913	287
1810	77-07008	Des Moines Club Building		Building(s)	Des Moines	1911	324
1811	77-07009	People's Finance		Building(s)	Des Moines	0	410
1812	77-07010	First Sears Automobile Company		Building(s)	Des Moines	1910	420
1813	77-07011	Flower World Imports		Building(s)	Des Moines	0	412
1814	77-07012	Central Iowa Motors, Inc.		Building(s)	Des Moines	1916	414
1815	77-07013	Speigal		Building(s)	Des Moines	0	415
1816	77-07015	Goodyear Tire and Rubber Company		Building(s)	Des Moines	1913	475
1817	77-07049	Betts Cadillac		Building(s)	Des Moines	0	476
1818	77-07050	Meredith Publishing Company		Building(s)	Des Moines	1911	468
1819	77-07051	Skandia Building		Building(s)	Des Moines	1882	470
1820	77-07052	Teachout Building	4/29/1999	Building(s)	Des Moines	1912	474
1821	77-07053	Lewis, G. G., Opera Block		Building(s)	Des Moines	1880	860
1822	77-07054	Woolworth Building		Building(s)	Des Moines	1883	811
1823	77-07055	Building		Building(s)	Des Moines	0	619
1824	77-07056	Iowa State Historical Building		Building(s)	Des Moines	1988	609
1825	77-07057	Des Moines Sewing Machine Company		Building(s)	Des Moines	0	217
1826	77-07058	Building		Building(s)	Des Moines	0	209
1827	77-07059	Home Lodge No. 370 AF & AM		Building(s)	Des Moines	1916	345
1828	77-07060	Gladstone Building		Building(s)	Des Moines	0	302
1829	77-07061	Building		Building(s)	Des Moines	0	401

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
1830	77-07062	Norden Hall		Building(s)	Des Moines	1880	502
1831	77-07065	Scoville, Tyler, House		Building(s)	Des Moines	1880	502
1832	77-07066	Duplex		Building(s)	Des Moines	1900	495
1833	77-07067	Apartment Building		Building(s)	Des Moines	1967	601
1834	77-07126	House		Building(s)	Des Moines	0	602
1835	77-07127	House		Building(s)	Des Moines	1925	821
1836	77-07131	Axtell Sales, Inc.		Building(s)	Des Moines	1975	1,068
1837	77-07136	House		Building(s)	Des Moines	1910	363
1838	77-07137	House		Building(s)	Des Moines	1900	719
1839	77-07138	Likes, Robert, House		Building(s)	Des Moines	1898	572
1840	77-07141	House		Building(s)	Des Moines	0	588
1841	77-07144	Merchants Transfer and Storage Building		Building(s)	Des Moines	1909	595
1842	77-07145	Des Moines Central Fire Department Headquarters		Building(s)	Des Moines	1937	695
1843	77-07154	Sturges, Wilbur, House	3/22/1990	Building(s)	Des Moines	1935	705
1844	77-07155	House	3/22/1990	Building(s)	Des Moines	1931	701
1845	77-07156	House & Garage	3/22/1990	Building(s)	Des Moines	1929	528
1846	77-07157	House & Garage	3/22/1990	Building(s)	Des Moines	1929	526
1847	77-07158	House	3/22/1990	Building(s)	Des Moines	1930	518
1848	77-07159	House & Garage	3/22/1990	Building(s)	Des Moines	1949	485
1849	77-07160	Olson, Henry, House	3/22/1990	Building(s)	Des Moines	1938	695
1850	77-07161	Anderson, Soren, Early House & Garage	3/22/1990	Building(s)	Des Moines	1925	270
1851	77-07162	Duplex & Garage	3/22/1990	Building(s)	Des Moines	1951	687
1852	77-07163	Marcusen, Oscar, House	3/22/1990	Building(s)	Des Moines	1935	195
1853	77-07164	Patch, Russell, House	3/22/1990	Building(s)	Des Moines	1939	195
1854	77-07165	House & Garage	3/22/1990	Building(s)	Des Moines	1951	193
1855	77-07166	House	3/22/1990	Building(s)	Des Moines	1951	193
1856	77-07167	House & Garage	3/22/1990	Building(s)	Des Moines	0	187
1857	77-07169	Oakland Knoll Apartments	10/25/1996	Building(s)	Des Moines	1966	197
1858	77-07170	Goode, Lowrey W., House	10/25/1996	Building(s)	Des Moines	1909	187
1859	77-07171	Jackson, Frank D., House	10/25/1996	Building(s)	Des Moines	1890	197
1860	77-07172	Denny, Matilda & E.M., House & 2 Garages	10/25/1996	Building(s)	Des Moines	1889	197

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
1861	77-07173	Grefe, A.L., House	10/25/1996	Building(s)	Des Moines	1902	187
1862	77-07174	House	10/25/1996	Building(s)	Des Moines	1889	197
1863	77-07175	House	10/25/1996	Building(s)	Des Moines	1895	187
1864	77-07176	Tidrick, G. L., House and Garage	10/25/1996	Building(s)	Des Moines	1919	224
1865	77-07177	House	10/25/1996	Building(s)	Des Moines	1895	260
1866	77-07178	Ford, B.F., House	10/25/1996	Building(s)	Des Moines	1917	258
1867	77-07179	Goode-Cuppernell House	10/25/1996	Building(s)	Des Moines	1886	224
1868	77-07180	Apartment Building	10/25/1996	Building(s)	Des Moines	1958	255
1869	77-07181	Building	10/25/1996	Building(s)	Des Moines	1965	224
1870	77-07182	Marxer House	10/25/1996	Building(s)	Des Moines	1920	484
1871	77-07183	Apartment Building	10/25/1996	Building(s)	Des Moines	1955	613
1872	77-07184	House	10/25/1996	Building(s)	Des Moines	1890	746
1873	77-07185	Apartment Building	10/25/1996	Building(s)	Des Moines	1960	384
1874	77-07186	House	10/25/1996	Building(s)	Des Moines	1890	384
1875	77-07187	House & Garage	10/25/1996	Building(s)	Des Moines	1892	566
1876	77-07188	House	10/25/1996	Building(s)	Des Moines	1893	568
1877	77-07189	House	10/25/1996	Building(s)	Des Moines	1978	565
1878	77-07190	Eaton, E.J., House & Garage	10/25/1996	Building(s)	Des Moines	1915	575
1879	77-07191	House & Garage	10/25/1996	Building(s)	Des Moines	1912	671
1880	77-07192	House	10/25/1996	Building(s)	Des Moines	1895	674
1881	77-07193	House	10/25/1996	Building(s)	Des Moines	1891	677
1882	77-07194	House		Building(s)	Des Moines	1898	681
1883	77-07195	House		Building(s)	Des Moines	1891	683
1884	77-07203	House		Building(s)	Des Moines	0	688
1885	77-07204	House		Building(s)	Des Moines	0	688
1886	77-07205	House	10/25/1996	Building(s)	Des Moines	1903	697
1887	77-07243	House		Building(s)	Des Moines	1896	707
1888	77-07244	House		Building(s)	Des Moines	1895	702
1889	77-07260	Bethesda Danish Evangelical Lutheran Church		Building(s)	Des Moines	1900	909
1890	77-07261	House		Building(s)	Des Moines	1902	978
1891	77-07262	House		Building(s)	Des Moines	1895	995
1892	77-07263	House		Building(s)	Des Moines	0	1,064
1893	77-07264	House		Building(s)	Des Moines	1900	1,141
1894	77-07265	Hubbel, Walter, House		Building(s)	Des Moines	1883	493
1895	77-07266	House		Building(s)	Des Moines	1906	499

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
1896	77-07267	Hernandez-Serrano, Honoria, House		Building(s)	Des Moines	1890	373
1897	77-07268	House		Building(s)	Des Moines	1885	408
1898	77-07269	House		Building(s)	Des Moines	1920	408
1899	77-07270	House		Building(s)	Des Moines	1925	771
1900	77-07271	House		Building(s)	Des Moines	1886	808
1901	77-07272	Gabriel, Rees, House and Carriage House	12/1/1978	Building(s)	Des Moines	1896	327
1902	77-07273	House		Building(s)	Des Moines	0	452
1903	77-07274	Aulmann, Lorenz, House		Building(s)	Des Moines	0	480
1904	77-07337	Railway Express Warehouse		Building(s)	Des Moines	0	491
1905	77-07373	Unity Body Shop/Erickson & Sons		Building(s)	Des Moines	1948	482
1906	77-07374	House		Building(s)	Des Moines	1871	933
1907	77-07375	House		Building(s)	Des Moines	1897	482
1908	77-07376	Sun Oil Company		Building(s)	Des Moines	1932	738
1909	77-07378	Garage		Building(s)	Des Moines	0	734
1910	77-07379	House		Building(s)	Des Moines	0	798
1911	77-07380	Railroad Depot Park		Building(s)	Des Moines	0	819
1912	77-07381	House		Building(s)	Des Moines	0	993
1913	77-07382	House		Building(s)	Des Moines	1897	987
1914	77-07389	House & Carriage House	10/11/1978	Building(s)	Des Moines	1905	2,058
1915	77-07390	House & Carriage House	10/11/1978	Building(s)	Des Moines	1904	775
1916	77-07391	House	10/11/1978	Building(s)	Des Moines	1966	795
1917	77-07392	House	10/11/1978	Building(s)	Des Moines	1907	800
1918	77-07393	House	10/11/1978	Building(s)	Des Moines	1905	843
1919	77-07394	House & Carriage House	10/11/1978	Building(s)	Des Moines	1898	871
1920	77-07395	House	10/11/1978	Building(s)	Des Moines	1905	591
1921	77-07396	House & Carriage House	10/11/1978	Building(s)	Des Moines	1895	331
1922	77-07397	House & Carriage House	10/11/1978	Building(s)	Des Moines	1907	23
1923	77-07398	House	10/11/1978	Building(s)	Des Moines	1910	32
1924	77-07399	House & Carriage House	10/11/1978	Building(s)	Des Moines	1903	295
1925	77-07400	House	10/11/1978	Building(s)	Des Moines	1900	301
1926	77-07401	Riverside Drive Bridge	12/7/1988	Structure	Des Moines	1937	392

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
1927	77-07446	House		Building(s)	Des Moines	0	406
1928	77-07447	House		Building(s)	Des Moines	0	500
1929	77-07448	House		Building(s)	Des Moines	1936	502
1930	77-07450	House		Building(s)	Des Moines	1914	605
1931	77-07483	Scott Avenue Bridge & Dam	12/7/1988	Structure	Des Moines	1936	616
1932	77-07484	Roadside Settlement House		Building(s)	Des Moines	1906	735
1933	77-07485	House		Building(s)	Des Moines	1897	742
1934	77-07486	House		Building(s)	Des Moines	1882	827
1935	77-07487	House		Building(s)	Des Moines	0	849
1936	77-07524	Hubbell Building	8/11/2004	Building(s)	Des Moines	1913	933
1937	77-07527	House		Building(s)	Des Moines	1900	943
1938	77-07528	House		Building(s)	Des Moines	0	953
1939	77-07529	Champion Crane Service		Building(s)	Des Moines	0	1,020
1940	77-07530	House		Building(s)	Des Moines	0	999
1941	77-07539	House		Building(s)	Des Moines	1935	249
1942	77-07565	Zarley, Donald, House		Building(s)	Des Moines	1966	238
1943	77-07566	Fuskett, Horace W., House		Building(s)	Des Moines	1937	485
1944	77-07569	House & Garage	3/22/1990	Building(s)	Des Moines	1953	575
1945	77-07570	Orr, John, Later House	3/22/1990	Building(s)	Des Moines	1950	594
1946	77-07571	Sorenson, Anderson, Later House	3/22/1990	Building(s)	Des Moines	1941	598
1947	77-07572	Dutton, Rev. Charles, House	3/22/1990	Building(s)	Des Moines	1932	615
1948	77-07573	Barr, Merton, House	3/22/1990	Building(s)	Des Moines	1930	699
1949	77-07574	Allen, Clark, House & Garage	3/22/1990	Building(s)	Des Moines	1929	700
1950	77-07580	House		Building(s)	Des Moines	0	709
1951	77-07581	House		Building(s)	Des Moines	0	702
1952	77-07582	House		Building(s)	Des Moines	0	719
1953	77-07583	House		Building(s)	Des Moines	0	769
1954	77-07584	House		Building(s)	Des Moines	0	860
1955	77-07585	House		Building(s)	Des Moines	0	602
1956	77-07586	House		Building(s)	Des Moines	1895	873
1957	77-07587	Darling, Jay Norwood and Genevieve Pendleton, House	9/30/1992	Building(s)	Des Moines	1906	1,025
1958	77-07588	House		Building(s)	Des Moines	1935	271

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
1959	77-07589	House		Building(s)	Des Moines	0	573
1960	77-07590	House		Building(s)	Des Moines	0	635
1961	77-07591	House		Building(s)	Des Moines	0	1,013
1962	77-07592	House		Building(s)	Des Moines	0	1,108
1963	77-07593	House		Building(s)	Des Moines	0	1,100
1964	77-07594	House		Building(s)	Des Moines	0	650
1965	77-07595	House		Building(s)	Des Moines	0	1,085
1966	77-07596	House		Building(s)	Des Moines	1927	1,097
1967	77-07597	House		Building(s)	Des Moines	1920	468
1968	77-07598	House		Building(s)	Des Moines	0	528
1969	77-07599	House		Building(s)	Des Moines	1930	842
1970	77-07600	House		Building(s)	Des Moines	1903	938
1971	77-07623	House		Building(s)	Des Moines	0	380
1972	77-07624	House		Building(s)	Des Moines	0	382
1973	77-07625	House		Building(s)	Des Moines	0	382
1974	77-07626	House		Building(s)	Des Moines	0	420
1975	77-07627	House		Building(s)	Des Moines	0	424
1976	77-07628	House		Building(s)	Des Moines	0	425
1977	77-07629	House		Building(s)	Des Moines	0	430
1978	77-07630	House		Building(s)	Des Moines	0	431
1979	77-07631	House		Building(s)	Des Moines	0	728
1980	77-07632	House		Building(s)	Des Moines	0	671
1981	77-07633	Warehouse		Building(s)	Des Moines	1955	663
1982	77-07634	Electric Motor & Pump Service		Building(s)	Des Moines	0	660
1983	77-07635	Building		Building(s)	Des Moines	0	659
1984	77-07636	Pittsburgh-Des Moines Steel Company Office & Plant		Building(s)	Des Moines	1920	662
1985	77-07637	House		Building(s)	Des Moines	1900	652
1986	77-07638	Duplex		Building(s)	Des Moines	1875	658
1987	77-07640	Battle Bridge		Structure	Des Moines	1920	656
1988	77-07641	Burger King		Building(s)	Des Moines	0	645
1989	77-07642	Better Brake Sales		Building(s)	Des Moines	0	569
1990	77-07643	Hillhaven Convalescent Home		Building(s)	Des Moines	0	527
1991	77-07644	Building		Building(s)	Des Moines	0	526
1992	77-07645	Building		Building(s)	Des Moines	0	527
1993	77-07646	Iowa Fertilizer and Chemical Association		Building(s)	Des Moines	0	632

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
1994	77-07647	Mid Central Medical Supply		Building(s)	Des Moines	0	632
1995	77-07648	Mercy Hospital		Building(s)	Des Moines	0	609
1996	77-07649	Comito's Fifield Pharmacy		Building(s)	Des Moines	0	602
1997	77-07650	Edwards Bar-B-Q		Building(s)	Des Moines	0	621
1998	77-07651	Building		Building(s)	Des Moines	0	615
1999	77-07686	Burke Star Memorial		Object	Des Moines	0	610
2000	77-07692	Garage		Building(s)	Des Moines	1950	589
2001	77-07693	House		Building(s)	Des Moines	1981	603
2002	77-07694	Building		Building(s)	Des Moines	1920	506
2003	77-07697	House		Building(s)	Des Moines	0	519
2004	77-07698	Sewage Disposal Office		Building(s)	Des Moines	1938	493
2005	77-07699	House		Building(s)	Des Moines	1877	501
2006	77-07700	House		Building(s)	Des Moines	0	493
2007	77-07701	House		Building(s)	Des Moines	0	473
2008	77-07702	Valley Bait		Building(s)	Des Moines	0	468
2009	77-07703	House		Building(s)	Des Moines	0	376
2010	77-07705	Chicago, Rock Island & Pacific Railroad Bridge	12/7/1988	Building(s)	Des Moines	0	382
2011	77-07707	House		Building(s)	Des Moines	1870	379
2012	77-07708	House		Building(s)	Des Moines	1865	371
2013	77-07724	Apartments		Building(s)	Des Moines	1900	364
2014	77-07725	House		Building(s)	Des Moines	1892	362
2015	77-07726	House		Building(s)	Des Moines	0	366
2016	77-07727	Hiatt, Amos, House		Building(s)	Des Moines	1885	361
2017	77-07740	Walnut Street Bridge	12/7/1988	Structure	Des Moines	1911	355
2018	77-07741	Street Light		Object	Des Moines	0	812
2019	77-07742	Valley Bank and Trust Company		Building(s)	Des Moines	1916	739
2020	77-07743	Glass Block		Building(s)	Des Moines	1913	946
2021	77-07745	Electrical Service & Sales		Building(s)	Des Moines	0	954
2022	77-07746	Green Engineering		Building(s)	Des Moines	0	950
2023	77-07747	Highland, Lee, Radiator Shop		Building(s)	Des Moines	0	990
2024	77-07749	Hewitt Building		Building(s)	Des Moines	0	1,014
2025	77-07750	Civic Center		Building(s)	Des Moines	0	515
2026	77-07751	Commercial Building		Building(s)	Des Moines	1920	497

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
2027	77-07752	Carter, Hussey, & Curl Building		Building(s)	Des Moines	0	453
2028	77-07753	Kurtz, L.H., Company Hardware Store		Building(s)	Des Moines	1880	399
2029	77-07754	Ginsberg		Building(s)	Des Moines	0	275
2030	77-07755	Penney, J. C., Company		Building(s)	Des Moines	0	276
2031	77-07756	Green, H. L., Company		Building(s)	Des Moines	0	272
2032	77-07757	Iowa-Des Moines National Bank Building	7/10/1979	Building(s)	Des Moines	1932	235
2033	77-07758	Empire Building		Building(s)	Des Moines	0	235
2034	77-07759	Fleming Building	5/22/2002	Building(s)	Des Moines	1907	229
2035	77-07760	Colonial Building		Building(s)	Des Moines	0	229
2036	77-07761	Robertson Building		Building(s)	Des Moines	1890	218
2037	77-07762	Foster Building		Building(s)	Des Moines	1910	224
2038	77-07763	Shoppes Building		Building(s)	Des Moines	1880	214
2039	77-07764	Cownie Building		Building(s)	Des Moines	0	214
2040	77-07765	Commercial Building		Building(s)	Des Moines	0	887
2041	77-07766	Commercial Building		Building(s)	Des Moines	0	149
2042	77-07767	Plymouth Building		Building(s)	Des Moines	1905	155
2043	77-07768	Commercial Building		Building(s)	Des Moines	0	162
2044	77-07769	Oldfield Motor Car Company		Building(s)	Des Moines	1917	512
2045	77-07770	Wallace Publishing Company Building		Building(s)	Des Moines	1903	1,166
2046	77-07771	Commercial Building		Building(s)	Des Moines	0	344
2047	77-07772	Namur's Skating Rink		Building(s)	Des Moines	1913	158
2048	77-07773	Des Moines Marble and Mantel Company Building		Building(s)	Des Moines	0	411
2049	77-07775	Commercial Building		Building(s)	Des Moines	1925	265
2050	77-07776	Plastic Pack Building		Building(s)	Des Moines	1870	707
2051	77-07777	GMH Service & Repair		Building(s)	Des Moines	0	578
2052	77-07778	Crane Building	8/30/2001	Building(s)	Des Moines	1916	584
2053	77-07779	Fitch Building		Building(s)	Des Moines	0	591
2054	77-07780	Commercial Buildings		Building(s)	Des Moines	0	607

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
2055	77-07781	United States Courthouse	12/7/1988	Building(s)	Des Moines	1930	623
2056	77-07782	Commercial Building		Building(s)	Des Moines	0	627
2057	77-07783	Commercial Building		Building(s)	Des Moines	0	632
2058	77-07784	Commercial Buildings		Building(s)	Des Moines	0	630
2059	77-07785	Auto Finance and Sales Company		Building(s)	Des Moines	1910	646
2060	77-07786	Commercial Building		Building(s)	Des Moines	0	643
2061	77-07788	Northwestern Hotel	1/12/1984	Building(s)	Des Moines	1916	655
2062	77-07789	Commercial Building		Building(s)	Des Moines	0	657
2063	77-07790	Store Front Block		Building(s)	Des Moines	0	18
2064	77-07791	Marquis Electric		Building(s)	Des Moines	1895	866
2065	77-07792	Commercial Building		Building(s)	Des Moines	0	899
2066	77-07793	Commercial Building		Building(s)	Des Moines	0	1,039
2067	77-07794	Assembly of God Mission House of Prayer		Building(s)	Des Moines	0	745
2068	77-07795	Commercial Buildings		Building(s)	Des Moines	1872	19
2069	77-07796	Soldiers & Sailors Monument		Object	Des Moines	0	358
2070	77-07813	House		Building(s)	Des Moines	0	713
2071	77-07814	House		Building(s)	Des Moines	0	714
2072	77-07815	House		Building(s)	Des Moines	0	714
2073	77-07816	House	4/23/1998	Building(s)	Des Moines	0	778
2074	77-07817	School/Daycare		Building(s)	Des Moines	0	787
2075	77-07818	Park Shelter		Building(s)	Des Moines	0	788
2076	77-07819	House		Building(s)	Des Moines	1920	871
2077	77-07820	House		Building(s)	Des Moines	1916	902
2078	77-07821	House		Building(s)	Des Moines	1916	923
2079	77-07822	House		Building(s)	Des Moines	1920	1,044
2080	77-07886	House		Building(s)	Des Moines	1917	1,255
2081	77-07895	House		Building(s)	Des Moines	0	937
2082	77-07901	House		Building(s)	Des Moines	0	392
2083	77-07902	House		Building(s)	Des Moines	0	701
2084	77-07903	House		Building(s)	Des Moines	0	711
2085	77-07904	House		Building(s)	Des Moines	0	705
2086	77-07905	House		Building(s)	Des Moines	0	901
2087	77-07906	House		Building(s)	Des Moines	0	531

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
2088	77-07907	House		Building(s)	Des Moines	0	1,091
2089	77-07908	House		Building(s)	Des Moines	0	567
2090	77-07909	House		Building(s)	Des Moines	0	571
2091	77-07910	House		Building(s)	Des Moines	0	569
2092	77-07911	House		Building(s)	Des Moines	0	647
2093	77-07912	House		Building(s)	Des Moines	0	651
2094	77-07913	House		Building(s)	Des Moines	0	653
2095	77-07914	House		Building(s)	Des Moines	0	509
2096	77-07915	House		Building(s)	Des Moines	0	442
2097	77-07916	House		Building(s)	Des Moines	0	455
2098	77-07917	House		Building(s)	Des Moines	0	421
2099	77-07918	House		Building(s)	Des Moines	0	373
2100	77-07919	House		Building(s)	Des Moines	0	186
2101	77-07920	House		Building(s)	Des Moines	0	186
2102	77-07921	House		Building(s)	Des Moines	0	189
2103	77-07922	House		Building(s)	Des Moines	0	880
2104	77-07923	House		Building(s)	Des Moines	0	186
2105	77-07924	House		Building(s)	Des Moines	0	189
2106	77-08099	House		Building(s)	Lovington	0	191
2107	77-08169	Iowa Power & Light Co. Powerhouse		Structure	Pleasant Hill	1925	191
2108	77-08201	Hartford-Carlisle Bank		Building(s)	Runnells	0	197
2109	77-08202	Commercial Building		Building(s)	Runnells	0	225
2110	77-08203	Reorganized Church of Jesus Christ of Latter Day Saints		Building(s)	Runnells	1913	606
2111	77-08207	Church		Building(s)	Runnells	0	607
2112	77-08208	House		Building(s)	Runnells	0	698
2113	77-08210	House		Building(s)	Runnells	0	608
2114	77-08211	Person, Edward & Mary, House		Building(s)	Runnells	1861	721
2115	77-08212	Church		Building(s)	Santiago	0	748
2116	77-08243	Page, Linda & David, House		Building(s)	West Des Moines	0	391
2117	77-08244	House		Building(s)	West Des Moines	0	391
2118	77-08245	House		Building(s)	West Des Moines	0	423
2119	77-08246	Nelson, Myrna D., House		Building(s)	West Des Moines	1900	423
2120	77-08247	House		Building(s)	West Des Moines	1900	454
2121	77-08248	House		Building(s)	West Des Moines	0	455
2122	77-08249	House		Building(s)	West Des Moines	0	457

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
2123	77-08250	House		Building(s)	West Des Moines	0	459
2124	77-08251	House		Building(s)	West Des Moines	1900	461
2125	77-08252	Yost, Patricia, House		Building(s)	West Des Moines	1900	518
2126	77-08253	House		Building(s)	West Des Moines	0	608
2127	77-08254	House		Building(s)	West Des Moines	0	489
2128	77-08255	House		Building(s)	West Des Moines	1917	550
2129	77-08256	House		Building(s)	West Des Moines	0	701
2130	77-08281	House		Building(s)	West Des Moines	0	386
2131	77-08282	House		Building(s)	West Des Moines	1888	399
2132	77-08283	House		Building(s)	West Des Moines	0	8
2133	77-08284	House		Building(s)	West Des Moines	1898	441
2134	77-08285	House		Building(s)	West Des Moines	0	460
2135	77-08286	House		Building(s)	West Des Moines	1900	464
2136	77-08287	House		Building(s)	West Des Moines	0	569
2137	77-08317	Spaws, Mike & Rhonda, House		Building(s)	West Des Moines	1930	586
2138	77-08318	Overton House		Building(s)	West Des Moines	1920	596
2139	77-08522	House		Building(s)	West Des Moines	0	609
2140	77-08539	Hulme, Dr. Thomas Davenport and Jane, House		Building(s)	West Des Moines	1896	702
2141	77-08540	House		Building(s)	West Des Moines	0	801
2142	77-08541	House		Building(s)	West Des Moines	0	923
2143	77-08542	House		Building(s)	West Des Moines	0	926
2144	77-08543	House		Building(s)	West Des Moines	0	210
2145	77-08552	Jordan, Iowa State Senator James C., Homestead	12/10/1973	Building(s)	West Des Moines	1850	413
2146	77-08557	Commerce Community Church		Building(s)	West Des Moines	0	414
2147	77-08558	House		Building(s)	West Des Moines	0	417
2148	77-08559	House		Building(s)	West Des Moines	0	527
2149	77-08560	School		Building(s)	West Des Moines	0	203
2150	77-08563	House		Building(s)	West Des Moines	0	651
2151	77-08567	Craft II Builders		Building(s)	West Des Moines	0	689
2152	77-08602	Station House		Building(s)	West Des Moines	0	651
2153	77-08636	House	4/23/1998	Building(s)	Des Moines	1900	631
2154	77-08659	House		Building(s)	West Des Moines	1900	216
2155	77-08666	Keystone Electric Manufacturing Company		Building(s)	Des Moines	1975	12
2156	77-08667	Factory Building		Building(s)	Des Moines	1920	2

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
2157	77-08668	Factory Building		Building(s)	Des Moines	1940	579
2158	77-08669	Shed		Building(s)	Des Moines	1990	569
2159	77-08670	Merchants Distribution Center Machine Shed		Building(s)	Des Moines	1990	966
2160	77-08671	Pittsburgh-Des Moines Steel Company Garage		Building(s)	Des Moines	1957	943
2161	77-08672	Des Moines Bridge and Iron Works Erecting Shop		Building(s)	Des Moines	1910	999
2162	77-08673	Harger and Blish Building		Building(s)	Des Moines	1919	982
2163	77-08674	Commercial Building		Building(s)	Des Moines	1940	19
2164	77-08675	Capitol Sanitary Supply Company		Building(s)	Des Moines	1940	189
2165	77-08676	City of Des Moines Parking Garage		Building(s)	Des Moines	1990	395
2166	77-08677	Cudahy Packing Company Building		Building(s)	Des Moines	1895	493
2167	77-08678	Gilcrest Jewett Lumber Company		Building(s)	Des Moines	1978	655
2168	77-08679	Gilcrest Jewett Lumber Company Machine Shed		Building(s)	Des Moines	1978	595
2169	77-08680	Gilcrest Jewett Lumber Company Warehouse		Building(s)	Des Moines	1978	486
2170	77-09212	Farmstead: House		Building(s)	Pleasant Hill	1976	141
2171	77-09213	Farmstead: Barn		Building(s)	Pleasant Hill	1976	210
2172	77-09234	6th and Forest Historic District	10/25/1996	District	Des Moines	0	212
2173	77-09240	Apartment Building		Building(s)	Des Moines	1900	304
2174	77-09241	House		Building(s)	Des Moines	0	306
2175	77-09242	House		Building(s)	Des Moines	0	407
2176	77-09249	Wiles, Norman, Seventh-Day Adventist School		Building(s)	Des Moines	1929	503
2177	77-09251	Bartlett, Walter M., Double House	10/22/1998	Building(s)	Des Moines	1913	504
2178	77-09252	House		Building(s)	Des Moines	0	521
2179	77-09254	House		Building(s)	Des Moines	0	523
2180	77-09277	Herring Motor Car Company	12/6/2004	Building(s)	Des Moines	1912	610
2181	77-09278	Youngerman Block	6/11/2009	Building(s)	Des Moines	1876	616
2182	77-09279	House	10/11/1978	Building(s)	Des Moines	1892	740

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
2183	77-09280	House	10/11/1978	Building(s)	Des Moines	1902	740
2184	77-09281	Duplex	3/22/1990	Building(s)	Des Moines	1947	747
2185	77-09282	Chautauqua Park Plat	3/22/1990	Building(s)	Des Moines	0	824
2186	77-09283	Douglas Park	3/22/1990	Building(s)	Des Moines	0	828
2187	77-09284	House	10/25/1996	Building(s)	Des Moines	1898	843
2188	77-09285	Duplex	10/25/1996	Building(s)	Des Moines	1964	933
2189	77-09286	Double House	4/23/1998	Building(s)	Des Moines	1980	950
2190	77-09288	House	4/23/1998	Building(s)	Des Moines	1980	952
2191	77-09289	House	4/23/1998	Building(s)	Des Moines	1980	987
2192	77-09290	House & Garage	4/23/1998	Building(s)	Des Moines	1996	905
2193	77-09291	House	4/23/1998	Building(s)	Des Moines	1910	900
2194	77-09294	Double House	4/23/1998	Building(s)	Des Moines	1980	904
2195	77-09296	Variety Club Children's Center	4/23/1998	Building(s)	Des Moines	1990	884
2196	77-09297	Good Samaritan Office		Building(s)	Des Moines	1997	691
2197	77-09298	Ideal Market Place		Building(s)	Des Moines	1947	528
2198	77-09299	Prospect Park Second Plat	4/23/1998	Site	Des Moines	0	515
2199	77-09334	Highland Park	4/23/1998	Building(s)	Des Moines	0	509
2200	77-09335	Former University of Des Moines-Dowling High School Campus; Flagpole	4/23/1998	Object	Des Moines	0	402
2201	77-09336	Former University of Des Moines-Dowling High School Campus		Site	Des Moines	0	402
2202	77-09337	Former Dowling High School Chapel	4/23/1998	Building(s)	Des Moines	0	700
2203	77-09338	Former University of Des Moines-Dowling High School Campus; Educational Wing	4/23/1998	Building(s)	Des Moines	0	156
2204	77-09339	Grubb YMCA/Dowling High School Gymnasium	4/23/1998	Building(s)	Des Moines	1960	240
2205	77-09340	Dowling High School Entrance	4/23/1998	Structure	Des Moines	0	240
2206	77-09359	House	10/25/1996	Building(s)	Des Moines	1948	240
2207	77-09365	Brick Alleys	4/23/1998	Structure	Des Moines	0	348
2208	77-09377	Municipal Court and Public Safety Building	12/7/1988	Building(s)	Des Moines	1918	360

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
2209	77-09378	Des Moines Union Railway Company Bridge	12/7/1988	Structure	Des Moines	0	368
2210	77-09379	Grand Avenue Bridge	12/7/1988	Structure	Des Moines	0	454
2211	77-09384	Church	10/25/1996	Building(s)	Des Moines	0	447
2212	77-09388	Building		Building(s)	Des Moines	1884	455
2213	77-09389	Syndicate Block Commercial Office Building	10/1/2001	Building(s)	Des Moines	1883	478
2214	77-09390	House	10/25/1996	Building(s)	Des Moines	1995	484
2215	77-09419	House		Building(s)	Des Moines	1922	585
2216	77-09420	Building		Building(s)	Des Moines	1897	578
2217	77-09421	House		Building(s)	Des Moines	1910	1,181
2218	77-09442	Federal Building		Building(s)	Des Moines	0	433
2219	77-09443	Washington, George, School		Building(s)	Des Moines	1874	570
2220	77-09467	House		Building(s)	Des Moines	1908	584
2221	77-09468	House		Building(s)	Des Moines	1906	600
2222	77-09470	House		Building(s)	Des Moines	1917	610
2223	77-09478	Great Lakes Pipe Line Company		District	Pleasant Hill	1931	651
2224	77-09836	Iowa National Guard 113th Cavalry Armory		Building(s)	Des Moines	1930	690
2225	77-09837	Interurban Railway Company Bridge		District	Des Moines	1905	841
2226	77-09911	House		Building(s)	Des Moines	1897	1,029
2227	77-09912	House		Building(s)	Des Moines	1900	1,030
2228	77-09913	Apartment House		Building(s)	Des Moines	1950	1,049
2229	77-09939	Veterans Memorial Auditorium		Building(s)	Des Moines	1955	196
2230	77-09940	Riviera/River Hills Theater		Building(s)	Des Moines	1967	299
2231	77-09941	Office Building		Building(s)	Des Moines	1976	299
2232	77-09942	Office Building		Building(s)	Des Moines	1962	309
2233	77-09943	Apartment Building		Building(s)	Des Moines	1920	295
2234	77-09963	Wallace Elementary School		Building(s)	Des Moines	0	346
2235	77-09981	Hohberger Building	9/12/2002	Building(s)	Des Moines	1898	120
2236	77-10021	Triple Brick Duplex Grouping		District	Des Moines	1900	272
2237	77-10215	Linden Heights Historic District	12/10/2003	District	Des Moines	0	273

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
2238	77-10217	Coffin Fine Art Trust Farmstead		Building(s)	Bondurant	0	274
2239	77-10222	2nd Avenue Bridge		Structure	Des Moines	1936	262
2240	77-10223	Chicago, Burlington and Quincy Railroad Bridge No. 89		Structure	Des Moines	1910	242
2241	77-10228	Holmes Oldsmobile Company		Building(s)	Des Moines	1954	241
2242	77-10229	Ambruzzese, Letitia, Building		Building(s)	Des Moines	1935	241
2243	77-10230	Commercial Building		Building(s)	Des Moines	1953	241
2244	77-10231	Hartung Farmstead		Building(s)	Mitchellville	0	241
2245	77-10235	Commercial Building	7/15/1998	Building(s)	Des Moines	1917	240
2246	77-10236	Commercial Building	7/15/1998	Building(s)	Des Moines	1917	250
2247	77-10238	Commercial Building	7/15/1998	Building(s)	Des Moines	1917	248
2248	77-10271	Iowa Lutheran Hospital		Building(s)	Des Moines	1914	239
2249	77-10272	Chicago and Northwestern Railroad Freight Depot Site		Site	Des Moines	1901	239
2250	77-10275	Mercy College of Health Sciences		Building(s)	Des Moines	1961	260
2251	77-10404	House		Building(s)	Des Moines	1880	269
2252	77-10405	Double House		Building(s)	Des Moines	1901	260
2253	77-10406	House		Building(s)	Des Moines	1900	266
2254	77-10407	Sun Tool, Inc.		Building(s)	Des Moines	1961	266
2255	77-10408	House		Building(s)	Des Moines	1885	314
2256	77-10409	Ryan Grocery Store		Building(s)	Des Moines	1905	318
2257	77-10410	House		Building(s)	Des Moines	1887	320
2258	77-10411	House		Building(s)	Des Moines	1896	327
2259	77-10412	House		Building(s)	Des Moines	1893	321
2260	77-10413	House		Building(s)	Des Moines	1895	329
2261	77-10414	House		Building(s)	Des Moines	1892	404
2262	77-10415	House		Building(s)	Des Moines	1894	399
2263	77-10416	House		Building(s)	Des Moines	1900	457
2264	77-10418	Stomac Motor Express		Building(s)	Des Moines	1958	188
2265	77-10421	Allen Playground		Site	Des Moines	1910	2,430
2266	77-10422	Gas Station		Building(s)	Des Moines	1930	2,427
2267	77-10428	National Sheet Metal Building		Building(s)	Des Moines	0	2,512

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
2268	77-10431	Youtz-Boone Farmstead		District	West Des Moines	1900	2,591
2269	77-10628	World War I Veterans Home		Building(s)	Des Moines	1900	2,478
2270	77-10631	Morris, J.B. and Georgine, House		Building(s)	Des Moines	1955	2,428
2271	77-10635	Montoro, Anthony, House		Building(s)	Des Moines	1926	598
2272	77-10639	House		Building(s)	Des Moines	1880	1,925
2273	77-10647	House		Building(s)	West Des Moines	1920	134
2274	77-10661	House		Building(s)	West Des Moines	1920	127
2275	77-10666	House		Building(s)	West Des Moines	1900	95
2276	77-10682	House		Building(s)	Des Moines	0	505
2277	77-10684	Lovejoy Building		Building(s)	Des Moines	1924	512
2278	77-10696	YMCA		Building(s)	Des Moines	1957	523
2279	77-10741	Hotel Row Historic District		District	Des Moines	0	525
2280	77-10744	Johnston, Elmer M. & Harriet, House		Building(s)	Des Moines	1899	527
2281	77-10780	Continental Oil Company Filling Station		Building(s)	Des Moines	1931	519
2282	77-10782	Locust Tap		Building(s)	Des Moines	1895	529
2283	77-10784	Walnut Woods House		Building(s)	West Des Moines	1920	521
2284	77-10788	Hernandez, Marcos, House		Building(s)	Des Moines	1920	524
2285	77-10794	Bates Park	10/25/1996	Site	Des Moines	0	527
2286	77-10804	Wilder Block		Building(s)	Des Moines	1880	581
2287	77-10805	Walnut Woods State Park		Building(s)	West Des Moines	0	593
2288	77-10814	House	12/10/2003	Building(s)	Des Moines	1950	584
2289	77-10815	House	12/10/2003	Building(s)	Des Moines	1920	587
2290	77-10816	House	12/10/2003	Building(s)	Des Moines	1950	601
2291	77-10817	House	12/10/2003	Building(s)	Des Moines	1923	605
2292	77-10818	House	12/10/2003	Building(s)	Des Moines	1967	596
2293	77-10819	House	12/10/2003	Building(s)	Des Moines	1976	636
2294	77-10820	House	12/10/2003	Building(s)	Des Moines	1953	621
2295	77-10821	House	12/10/2003	Building(s)	Des Moines	1953	617
2296	77-10822	House	12/10/2003	Building(s)	Des Moines	1953	614
2297	77-10823	House	12/10/2003	Building(s)	Des Moines	1954	608
2298	77-10824	House	12/10/2003	Building(s)	Des Moines	1952	516
2299	77-10825	House	12/10/2003	Building(s)	Des Moines	1941	518
2300	77-10826	House	12/10/2003	Building(s)	Des Moines	1949	513

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
2301	77-10827	House	12/10/2003	Building(s)	Des Moines	1952	502
2302	77-10828	House	12/10/2003	Building(s)	Des Moines	1942	483
2303	77-10829	House	12/10/2003	Building(s)	Des Moines	1942	480
2304	77-10830	House	12/10/2003	Building(s)	Des Moines	1981	400
2305	77-10835	House & two garages	12/10/2003	Building(s)	Des Moines	1924	388
2306	77-10837	House	12/10/2003	Building(s)	Des Moines	1941	374
2307	77-10839	House	12/10/2003	Building(s)	Des Moines	1941	373
2308	77-10840	House	12/10/2003	Building(s)	Des Moines	1918	675
2309	77-10841	House	12/10/2003	Building(s)	Des Moines	1941	618
2310	77-10842	House	12/10/2003	Building(s)	Des Moines	1956	620
2311	77-10843	House	12/10/2003	Building(s)	Des Moines	1940	639
2312	77-10844	House	12/10/2003	Building(s)	Des Moines	1967	641
2313	77-10845	House	12/10/2003	Building(s)	Des Moines	1937	631
2314	77-10846	House	12/10/2003	Building(s)	Des Moines	1989	632
2315	77-10847	House	12/10/2003	Building(s)	Des Moines	1948	637
2316	77-10848	House	12/10/2003	Building(s)	Des Moines	1964	698
2317	77-10849	House	12/10/2003	Building(s)	Des Moines	1932	706
2318	77-10850	House	12/10/2003	Building(s)	Des Moines	1947	697
2319	77-10851	House	12/10/2003	Building(s)	Des Moines	1941	709
2320	77-10852	House	12/1/2003	Building(s)	Des Moines	1953	700
2321	77-10853	House	12/10/2003	Building(s)	Des Moines	1981	712
2322	77-10854	House	12/10/2003	Building(s)	Des Moines	1992	688
2323	77-10855	House	12/10/2003	Building(s)	Des Moines	1978	691
2324	77-10856	House	12/10/2003	Building(s)	Des Moines	1962	683
2325	77-10857	House	12/10/2003	Building(s)	Des Moines	2007	682
2326	77-10858	House	12/10/2003	Building(s)	Des Moines	1994	675
2327	77-10859	House	12/10/2003	Building(s)	Des Moines	1966	610
2328	77-10860	House	12/10/2003	Building(s)	Des Moines	1949	606
2329	77-10861	House	12/10/2003	Building(s)	Des Moines	1937	599
2330	77-10862	House	12/10/2003	Building(s)	Des Moines	2008	595
2331	77-10863	House	12/10/2003	Building(s)	Des Moines	1989	586
2332	77-10876	House	12/10/2003	Building(s)	Des Moines	1954	572
2333	77-10877	House	12/10/2003	Building(s)	Des Moines	1962	565
2334	77-10881	House	12/10/2003	Building(s)	Des Moines	1971	483
2335	77-10882	House	12/10/2003	Building(s)	Des Moines	1920	479
2336	77-10883	House	12/10/2003	Building(s)	Des Moines	1955	467
2337	77-10884	House	12/10/2003	Building(s)	Des Moines	1954	459
2338	77-10885	House	12/10/2003	Building(s)	Des Moines	1954	455
2339	77-10886	House	12/10/2003	Building(s)	Des Moines	1952	757

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
2340	77-10887	House	12/10/2003	Building(s)	Des Moines	1941	735
2341	77-10888	House	12/10/2003	Building(s)	Des Moines	1952	757
2342	77-10889	House	12/10/2003	Building(s)	Des Moines	1952	801
2343	77-10890	House	12/10/2003	Building(s)	Des Moines	1958	734
2344	77-10891	House	12/10/2003	Building(s)	Des Moines	1953	739
2345	77-10892	House	12/10/2003	Building(s)	Des Moines	1951	758
2346	77-10893	House	12/10/2003	Building(s)	Des Moines	1953	744
2347	77-10894	House	12/10/2003	Building(s)	Des Moines	1947	745
2348	77-10895	House	12/10/2003	Building(s)	Des Moines	1941	746
2349	77-10896	House	12/10/2003	Building(s)	Des Moines	1954	801
2350	77-10897	House	12/10/2003	Building(s)	Des Moines	1956	794
2351	77-10898	House	12/10/2003	Building(s)	Des Moines	1952	800
2352	77-10899	House	12/10/2003	Building(s)	Des Moines	1957	802
2353	77-10900	House	12/10/2003	Building(s)	Des Moines	1963	675
2354	77-10901	House	12/10/2003	Building(s)	Des Moines	1959	651
2355	77-10902	House	12/10/2003	Building(s)	Des Moines	1955	595
2356	77-10903	House	12/10/2003	Building(s)	Des Moines	1955	581
2357	77-10904	House	12/10/2003	Building(s)	Des Moines	1953	578
2358	77-10905	House	12/10/2003	Building(s)	Des Moines	1964	570
2359	77-10906	House	12/10/2003	Building(s)	Des Moines	1965	558
2360	77-10907	House	12/10/2003	Building(s)	Des Moines	1964	562
2361	77-10908	House	12/10/2003	Building(s)	Des Moines	1958	502
2362	77-10909	House	12/10/2003	Building(s)	Des Moines	1951	715
2363	77-10910	House	12/10/2003	Building(s)	Des Moines	1958	485
2364	77-10912	Kempton Bridge # 281370		Structure	Johnston	1959	843
2365	77-10919	Pioneer Drive-In Theater		District	Des Moines	1959	848
2366	77-10931	Oliver, Edwin, House		Building(s)	Des Moines	1894	849
2367	77-10933	Court Avenue Pump Station			Des Moines	0	849
2368	77-10985	Heathcote, Robert E., House		Building(s)	Des Moines	1918	850
2369	77-10988	Martin Marietta Quarry: Machine Shed		Building(s)	West Des Moines	1950	851
2370	77-10990	K & B Roofing		Building(s)	West Des Moines	0	856
2371	77-10992	House		Building(s)	Des Moines	1923	859
2372	77-10994	House		Building(s)	Des Moines	1896	889
2373	77-10995	House		Building(s)	Des Moines	1903	890
2374	77-10996	House		Building(s)	Des Moines	1941	894

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
2375	77-11003	House		Building(s)	Des Moines	1890	907
2376	77-11005	House		Building(s)	Des Moines	1889	898
2377	77-11008	Des Moines & Central Iowa Interurban Railroad Bridge		Structure	Des Moines	1905	909
2378	77-11020	House		Building(s)	Des Moines	1895	899
2379	77-11021	House		Building(s)	Des Moines	0	910
2380	77-11024	Hammer Pharmacy			Des Moines	0	901
2381	77-11037	House		Building(s)	Des Moines	1899	748
2382	77-11044	House		Building(s)	Des Moines	1900	918
2383	77-11046	State Capitol Store House		Building(s)	Des Moines	0	879
2384	77-11048	House		Building(s)	Des Moines	1880	857
2385	77-11049	House		Building(s)	Des Moines	1928	853
2386	77-11052	House		Building(s)	Des Moines	1880	756
2387	77-11057	House		Building(s)	Des Moines	1891	693
2388	77-11061	Lewis A. Jester County Park		Site	Granger	0	689
2389	77-11100	Theppanya, Keo & Tane, House		Building(s)	Des Moines	1920	678
2390	77-11101	House		Building(s)	Des Moines	1939	668
2391	77-11118	Fitch, F. W., Company Historic District		District	Des Moines	0	655
2392	77-11119	Fitch, F. W., Company Soap Plant Annex		Building(s)	Des Moines	1944	661
2393	77-11120	Elliott Furniture Block		Building(s)	Des Moines	1882	652
2394	77-11122	Elliot Furniture Company Block		Building(s)	Des Moines	1882	894
2395	77-11141	Chicago Great Western Railroad Bridge		Structure	Des Moines	1901	919
2396	85-00161	Skunk River Bridge		Structure	Cambridge	1928	925
2397	91-00130	House		Building(s)	Carlisle	0	1,014
2398	91-00133	House		Building(s)	Carlisle	0	1,018
2399	91-00134	House		Building(s)	Carlisle	0	1,020
2400	91-00135	House		Building(s)	Carlisle	0	976
2401	91-00136	Randleman House		Building(s)	Carlisle	0	232
2402	91-00148	Bridge #335000		Structure	Carlisle	1920	261
2403	91-00150	Middle River Bridge #335020		Structure	Carlisle	1928	99

Table 5: The Study Area's Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
2404	91-00151	Bridge #335030		Structure	Carlisle	0	93
2405	91-00154	Bridge #335140		Structure	Carlisle	1935	130
2406	91-00211	House		Building(s)	Carlisle	0	200
2407	91-00213	House		Building(s)	Carlisle	0	727
2408	91-00214	House		Building(s)	Carlisle	1920	1,618
2409	91-00922	House and Garage		Building(s)	Carlisle	1920	142
2410	91-00924	House		Building(s)	Carlisle	1920	217
2411	91-00925	House and Garage		Building(s)	Carlisle	1920	273
2412	91-00926	House and Garage		Building(s)	Carlisle	1920	292
2413	91-00928	House and Garage		Building(s)	Carlisle	1920	167
2414	91-00929	House and Garage		Building(s)	Carlisle	1920	789
2415	91-00930	House and Garage		Building(s)	Carlisle	1920	152
2416	91-00931	House and Garage		Building(s)	Carlisle	1920	142
2417	91-00932	House		Building(s)	Carlisle	1920	624
2418	91-00952	House		Building(s)	Carlisle	1920	591
2419	91-00953	House		Building(s)	Carlisle	1900	802
2420	91-00989	Randleman, John H. and Sarah E. (Stumbo), House		Building(s)	Carlisle	1907	1,016
2421	77-11135	House		Building(s)	Des Moines	1887	1,034
2422	77-11136	Building		Building(s)	Des Moines	1875	585
2423	77-01812	Blazing Saddle		Building(s)	Des Moines	0	756
2424	77-01816	Buddy's Corral		Building(s)	Des Moines	1900	876
2425	77-01815	Dietz and Leveke Building		Building(s)	Des Moines	1915	907
2426	77-01814	Sargent and Son, C. A., Hay and Feed		Building(s)	Des Moines	1901	928
2427	77-01813	Sioux Plating Company		Building(s)	Des Moines	1880	570
2428	77-01817	Building		Building(s)	Des Moines	1892	507
2429	77-01818	Hawkeye Tire Company			Des Moines	1901	280
2430	77-01819	Pitt Carriage Works		Building(s)	Des Moines	1906	280
2431	77-01820	Globe Hoist Manufacturing Company		Building(s)	Des Moines	1929	280
2432	77-01821	Auto Testing and Inspection Center		Building(s)	Des Moines	1929	633
2433	77-01822	Eagle Iron Works		Building(s)	Des Moines	1885	602
2434	77-01823	Camp, J. M.612, Blacksmith Shop		Building(s)	Des Moines	1884	725
2435	77-01824	Building		Building(s)	Des Moines	1888	679
2436	77-01825	Building		Building(s)	Des Moines	1908	862

Table 5: The Study Area’s Architectural Properties (continued).

GIS ID	Inventory no.	Historic name	NRHP listing date	Type	Nearest city	Construction year (year destroyed)	Distance to river (m)
2437	77-01826	Olympic Flame Restaurant		Building(s)	Des Moines	1892	893
2438	77-01827	Hubbell, F. M. & Sons, Building		Building(s)	Des Moines	1926	869
2439	77-01828	Coddington, C. D., Furniture Store		Building(s)	Des Moines	1881	819
2440	77-01829	Des Moines Paper Box Company		Building(s)	Des Moines	1910	624
2441	77-01830	Building		Building(s)	Des Moines	1895	411
2442	77-01831	Building		Building(s)	Des Moines	1895	318
2443	77-01832	Daniels Brothers Service Station		Building(s)	Des Moines	1929	283
2444	77-11133	Des Moines Fire Department Headquarters Shop Building		Building(s)	Des Moines	1937	785
2445	77-11155	House		Building(s)	Des Moines	1936	764
2446	77-11167	Han, Aung N., House		Building(s)	Des Moines	1948	1,034

Table 6. Study Area Recorded Sites with Specific Archaeological Recommendations.

Category	Sites
National Historic Landmark	None
NRHP-listed	None
Recommended Eligible	Dallas County: 13DA163, 286 Marion County: 13MA208, 347, 348 Polk County: 13PK 172, 162, 112, 183, 272, 274, 275, 276, 46, 613, 661, 793, 794, 812, 13WA182, 354, 622, 144
SHPO determined NRHP-eligible	Dallas County: 13DA180 Marion County: 13MA342 Polk County: 13PK27-A, 28, 53, 288, 351, 372, 373, 407, 418, 478, 519, 624, 630, 631, 643, 883, 966
Potentially NRHP-eligible	Dallas County: 13DA12, 165, 190, 362, 375, 386, 387, 388 Polk County: 13PK54, 508, 513, 532, 680, 702, 834, 837, 845, 846, 853, 854, 856, 944, 983
NRHP-ineligible or recommended ineligible	Boone County: 13BN9, 11, 12 Marion County: 13MA316, 332, 533 Polk County: 13PK76, 81, 103, 106, 177, 210, 226, 297, 299, 336, 341, 345, 352, 361, 406, 515, 516, 518, 529, 535, 536, 537, 595, 623, 625, 629, 644, 645, 646, 647, 657, 658, 667, 681, 693, 694, 700, 703, 729, 732, 733, 777, 790, 809, 810, 829, 833, 838, 839, 850, 851, 860, 861, 878, 879, 880, 895, 908, 916, 943, 949, 950, 968, 972, 973, 975, 976, 990, 991, 1008 Warren County: 13WA38, 39, 42, 63, 69, 70, 87, 174, 280, 281, 282

Table 7. Basic Cultural Resources Information about Existing and Potential Accesses

Access name	Nearest prior survey		Nearest known archaeological site		Nearest inventoried architectural property		
	Citation	Distance to access (m)	Trinomial	Distance to access (m)	Name	Inventory ID	Distance to access (m)
Highway 210 Access	Gradwohl and Osborn 1981	0	13BN108	23	C.M. St. P. & P. Railroad Bridge	08-00019	900
Sub-1 Ramp	Osborn and Gradwohl 1981	0	13DA5	0	C.M. St. P. & P. Railroad Bridge	08-00019	2,428
Lewis A. Jester Park	Osborn and Gradwohl 1981	0	13PK767	470	Des Moines River Bridge	77-02343	2,982
Lincoln Access	Osborn and Gradwohl 1981	0	13PK283	115	Des Moines River Bridge	77-02343	3,432
Saylorville Marina Access	Osborn and Gradwohl 1981	0	13PK131	52	Des Moines River Bridge	77-02343	1,021
Sandpiper	Osborn and Gradwohl 1981	0	13PK162	314	Des Moines River Bridge	77-02343	303
Cherry Glen Day Use	Osborn and Gradwohl 1981	0	13PK242	170	Des Moines River Bridge	77-02343	2,845
Cherry Glenn	Osborn and Gradwohl 1981	0	13PK139	174	Des Moines River Bridge	77-02343	2,832
Lakeview High Water	Osborn and Gradwohl 1981	0	13PK268	261	Des Moines River Bridge	77-02343	4,517
Lakeview Main A	Osborn and Gradwohl 1981	0	13PK269	246	Des Moines River Bridge	77-02343	4,316
Lakeview Main B	Osborn and Gradwohl 1981	0	13PK269	170	Des Moines River Bridge	77-02343	4,260
Cottonwood Access	Benn and Bettis 1981	0	13PK404	789	Bridge (no name)	77-02337	1354
Sycamore Access	Benn and Bettis 1981	0	13PK414	34	Kempton Bridge # 281370	77-10912	48
Prospect Park	Benn and Bettis 1981	0	13PK138	182	House (no name)	77-10639	671
Birdland Park	Peterson 1995	126	13PK952	238	Birdland Bridge	77-05694	136
Beaver Creek #1	Brodnicki 1993	0	13PK519	828	John Bauman Farmstead Barn	77-02218	455
Beaver Creek #2	Weitzel 1993	0	13PK671	299	Dr. Fred Moore House	77-05404	556
Beaver Creek #3	Weitzel 1993	11	13PK671	565	House (no name)	77-08099	522
Booneville Access	McNerney et al. 2000	216	13DA347	659	Bonneville School	25-00282	416
Walnut Woods State Park	Morrow 2008	281	13PK56	1,181	Walnut Woods State Park Entrance Portals	77-02122	135

Table 7. Basic Cultural Resources Information about Existing and Potential Accesses (continued).

Access name	Nearest prior survey		Nearest known archaeological site		Nearest inventoried architectural property		
	Citation	Distance to access (m)	Trinomial	Distance to access (m)	Name	Inventory ID	Distance to access (m)
Des Moines Water Works Park	Schnerre 1984	94	13PK61	208	House (no name)	77-07703	208
Harriet Street Access	Peterson 1993	18	13PK624	286	S.E. 14th Street Bridge #040500	77-03894	297
Pleasant Hill Boat Ramp	Mehrer and Perry 1989	0	13PK60	410	House (no name)	77-05415	814
Yellow Banks Access	Gradwohl and Osborn 1977	0	13PK101	152	House and Barn (no name)	77-02064	2,425
Yellow Banks Watercraft Campsite	Gradwohl and Osborn 1977	0	13PK101	152	House and Barn (no name)	77-02064	2,466
Middle River Access	McCusick and Ries 1962	26	13PK514	2,284	Wicker Cemetery	77-11193	3,470
Ford Access	McCusick and Ries 1962	63	13PK514	1,057	House (no name)	77-08210	2,850
Runnells Access	McCusick and Ries 1962	0	13WA104	710	IA 316 Bridge	77-11104	1,730
Bennington Bridge	McCusick and Ries 1962	19	13MA354	589	House (no name)	63-01528	3,810
Box Cars	McCusick and Ries 1962	0	13MA573	197	House (no name)	63-01529	8393
Van Meter	McNair 1989	298	13DA286	161	Platt Brick and Fire Proofing Company	25-00008	320
Water Works	Welchman 1974	131	13PK735	1,940	House (no name)	77-10851	969
Gray's Lake	Mandel 1994	661	13PK643	1,112	Chicago, Burlington and Quincy Railroad Bridge No. 89	77-10223	73
Mullets Landing	Hannus and Rupel 1988	5	13PK944	226	Riverside Drive Bridge	77-07401	83
Scotts Street	Johnson 1985	0	13PK944	63	Scott Avenue Bridge and Dam	77-07483	121
C.J. Shreck Access	Huerter and Atwell 1985	0	13SR14	868	Skunk River Bridge	85-00161	143
Chichaqua Canoe Access	Hirst 1991	0	13PK341	20	Skunk River Bridge #282630	77-02428	50
Oswalt Bridge	Linderbaum and Stanley 2001	0	13JP167	540	Oswalt Bridge #197320	50-00048	28

Appendix I:
National Archeological Data Base - Reports: Data Entry Form

Database Doc Number: _____

1. R and C #:
2. Authors: Mark L. Anderson and William E. Whittaker
Publication Date: 2015
3. Title: Phase IA Cultural Resource Reconnaissance for the Des Moines
Water Trail Corridor Through Portions of Boone, Dallas, Jasper,
Marion, Polk, Story, and Warren Counties, Iowa

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4. Report Title: Technical Report
Report #: 170
Publisher: University of Iowa Office of the State Archaeologist
Place: Iowa City, Iowa

=====

5. Unpublished
Sent from:
Sent to:
Contract #:

=====

6. Federal Agency: STA [DNR]

=====

7. State: Iowa
County: Boone, Dallas, Jasper, Marion, Polk, Story, Warren
Town:

=====

8. Worktype: 31 [PHASE IA]

=====

9. Keyword: 0-Types of Resources/Features 1-Generic Terms/Research Questions 2-
Taxonomic Names 3-Artifacts Types/Material Classes 4-Geographic names/
Locations 5-Time Periods 6-Project name/Study Unit 7-Other Keywords

=====

10. UTM Zone: 15 Easting: Northing:
15 Easting: Northing:
15 Easting: Northing:
15 Easting: Northing:
11. Township: T77-82N
Range: R20-27W

Other Publication Types

12. Monograph Name:
Place:
13. Chapter In: _____ First: _____ Last: _____
14. Journal Volume: _____ Issue #: _____ First: _____
Last: _____ ISSN: _____
15. Dissertation PH.D. LL.D. M.A. M.S. B.A. B.S. Institute: _____
16. Paper Meeting:
Place:
17. Other Reference:

=====

18. Site#:

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19. Quad Map #: