



Department of Energy

Portsmouth/Paducah Project Office
1017 Majestic Drive, Suite 200
Lexington, Kentucky 40513
(859) 219-4000

MAY 24 2013

Dr. David Snyder
Archaeological Reviews Manager
Ohio Historical Society
Ohio Historic Preservation Office
1982 Velma Avenue
Columbus, Ohio 43211-2497

PPPO-03-1865196-13

Dear Dr. Snyder:

TRANSMITTAL OF THREE ARCHAEOLOGICAL RECONNAISSANCE SURVEY REPORTS OF SELECT HISTORIC-ERA SITES AT THE PORTSMOUTH GASEOUS DIFFUSION PLANT, PIKETON, OHIO

Please find enclosed three archaeological reconnaissance reports of select historic-era sites at the Portsmouth Gaseous Diffusion Plant (PORTS), Piketon, Ohio. These reports document site reconnaissance efforts performed on sites that were identified on an oil and gas lease map of Pike County from 1905.

In 2002, the U.S. Department of Energy (DOE) submitted the "*Phase II Archaeological Survey of the Portsmouth Gaseous Diffusion Plant (PORTS Facility) in Scioto and Seal Townships, Pike County Ohio*" prepared in 1997 by ASC Group (Schweikart et al. 1997). As a result of that report the Ohio Historic Preservation Office (OHPO) recommended, and DOE agreed, that additional field surveys be conducted of 13 historic-era farmsteads. DOE initiated the Phase II surveys in 2009 and completed the fieldwork in 2012. The Phase II surveys were divided into three reports that were submitted to your office in 2010 and 2013.

As part of the research for these 13 Phase II surveys, the professional archaeologists performing the work located an "Oil and Gas Lease Map" of Pike County from 1905 that identified oil and gas leases circa 1905 and also identified farmsteads present on the PORTS site at that time. Research showed that a number of these farmsteads (40) had not been surveyed. In order to complete our site inventory efforts, reconnaissance-level surveys were conducted at all 40 of these newly identified historic-era sites. Phase I surveys were subsequently performed on 11 of the 40 sites. These Phase I reports are in various stages of preparation and will be sent to you once they are finalized. The field summaries for the reconnaissance surveys are provided within the enclosed reports.

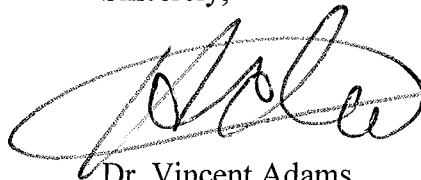
The results of all of the reconnaissance-level, Phase I, and Phase II surveys of the farmsteads, including those performed in the 1990s up until the present time, will be included in a comprehensive summary report of the site's historic-era farmsteads. This comprehensive summary report serves a number of functions, including assisting you, and others, in

understanding the pre-DOE acquisition settlements, from the earliest historic-era farmstead, to the time of purchase by the Atomic Energy Commission in 1952. Additionally, the report will be a consolidated resource of the volume of information that has been gathered, analyzed and documented to assist DOE in planning for the implementation of its environmental management mission. We hope that this comprehensive report that is presently in development will be a valuable asset to interpreting and understanding the site.

A copy of each of the reports is enclosed and can also be obtained at the Environmental Information Center by contacting 740-289-8898 or at eic@wems-llc.com. Additionally, an electronic copy can be found at <http://www.pppo.energy.gov/nhpa.html>.

If you have any question, please contact Amy Lawson of my staff at (740) 897-2112.

Sincerely,



Dr. Vincent Adams
Portsmouth Site Director
Portsmouth/Paducah Project Office

Enclosures:

1. Volume I: REPORT AND FIGURES: Preliminary Reconnaissance Survey of Fifteen Historic-Era Structure Locations Within the Portsmouth Gaseous Diffusion Plant (PORTS), Pike County, Ohio, prepared by Ohio Valley Archaeology, Inc. (OVAI)
2. Volume II: OHIO ARCHAEOLOGICAL INVENTORY FORMS: Preliminary Reconnaissance Survey of Fifteen Historic-ERA Structure Locations Within the Portsmouth Gaseous Diffusion Plant (PORTS), Pike County, Ohio, prepared by OVAI
3. Summary Report for Preliminary Assessment of 12 Historic Archaeological Sites at the PORTS Plant, Piketon, Ohio, prepared by ASC Group Inc.
4. Phase I Archaeological Reconnaissance of Selected Historical Sites at the PORTS Facility, Pike County, Ohio, prepared by Gray & Pape, Inc.

cc w/enclosures:

David Snyder, OHPO
Tom McCulloch, ACHP
PPPO Records/LEX
PPPO.DFFO@lex.doe.gov
PORTS-EIC/ER
RCRA Administrative Records

cc. w/o enclosures:

W. Murphie, PPPO/LEX
A. Lawson, PPPO/PORTS
K. Wiehle, PPPO/PORTS
J. Bradburne, PPPO/PORTS
L. Roenker, PPPO/LEX
L. Cusick, RSI/PORTS
J. Sokol, RSI/PORTS
T. Fehner, MA-75
Paul Barton
Roy Baldrige
Blaine Beekman
Joseph Blanchard
Kevin Coleman
Ervin Craft
Robin Dushane
Andrew Feight
James Finley
John Hancock
Brian Huber
Mark Johnson
Thomas King
Sharon Manson
Sandy Manring
Jane Murray
Chief Hawk Pope
Jeff Rowe
Geoffrey Sea
Steven Shepherd

OVAI Contract Report #2011-49

PRELIMINARY RECONNAISSANCE SURVEY OF FIFTEEN HISTORIC-ERA BUILDING
LOCATIONS WITHIN THE PORTSMOUTH GASEOUS DIFFUSION PLANT (PORTS),
PIKE COUNTY, OHIO

VOLUME I: REPORT AND FIGURES

By

Albert M. Pecora, Ph.D.

August 4, 2011

REVISED August 30, 2011

REVISED February 15, 2013

OVAI Contract Report #2011-49

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LOCATIONS WITHIN THE PORTSMOUTH GASEOUS DIFFUSION PLANT (PORTS),
PIKE COUNTY, OHIO

VOLUME I: REPORT AND FIGURES

By

Albert M. Pecora, Ph.D.

Prepared for:

Fluor-B&W Portsmouth LLC
P.O. Box 548
Piketon, Ohio 45661

Prepared by:

Ohio Valley Archaeology, Inc.
4889 Sinclair Road, Suite 210
Columbus, Ohio 43229
(614) 436-6926



Albert M. Pecora Ph.D., RPA
Principal Investigator
August 4, 2011

REVISED August 30, 2011

REVISED February 15, 2013

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INTRODUCTION

In July of 2011, Ohio Valley Archaeology, Inc. conducted a reconnaissance survey of fifteen building locations within the 3,777 acre Department of Energy (DOE) Portsmouth Gaseous Diffusion Facility (PORTS) in Pike County, Ohio (Figures 1-3). Prior to the planning of this reconnaissance survey, PO RTS was known to contain several historic-era farmstead archaeological sites documented by ASC Group in 1997 (Schweikart et al. 1997). DOE recently identified additional potential historic-era farmsteads and other types of buildings from historical map resources. Forty locations were identified for further investigation. Several other locations were not recommended for investigation due to significant impacts from prior plant construction activities. Three cultural resource management firms, including Ohio Valley Archaeology, Gray & Pape, and ASC Group were contracted to conduct reconnaissance level surveys on the 40 locations thought to have intact archaeological remains.

The purposes of the reconnaissance survey were to (1) visit the locations and evaluate the presence or absence of archaeological remains, (2) make a cursory documentation of archaeological remains when found, (3) obtain field-generated GPS coordinates for each site, (4) account for the absence of archaeological remains when none were found, (5) complete Ohio Archaeological Inventory forms for locations with archaeological remains, and (6) make recommendations regarding additional archaeological documentation and evaluation on locations with archaeological remains. It was anticipated that some of the locations would be heavily damaged to the point where they no longer contain archaeological remains, whereas some would be only partially damaged, and others would be in fairly good condition.

Table 1 lists the historic-era building locations investigated at a reconnaissance-survey level by Ohio Valley Archaeology, Inc. This table provides US State Plane Coordinates (NAD 1983) generated in the field with a GPS unit, indicates the presence or absence of buildings in these locations on a series of historical resource maps and aerials, provides the total number of buildings indicated on the 1939 and 1951 aerial photographs, and includes pre-field comments regarding locations and potential conditions.

RECONNAISSANCE SURVEY METHODS

The historical map resource review conducted in advance of the reconnaissance survey plotted each farmstead or building location on a map showing the PORTS property boundaries. Survey coordinates were generated for each location. Due to the imprecision of the old maps, it was expected that some map-generated locations would be more accurate than others, and that at least some of the inaccurate locations might be off by 50 or more meters (depending on the accuracy of the historical maps and the map georeferencing process). Nevertheless, the survey coordinates were meant to serve as a starting point to guide the reconnaissance survey.

Using a Trimble GeoXT GPS unit (with an external hurricane antenna) and copies of the 1938/39 and 1951 United States Department of Agriculture (USDA) aerial photographs of each site, the survey crew navigated to the survey coordinates for each target location. Once the target spot was reached, topographic features, vegetation, and other field observations were used to home in on the true site location. When the survey coordinates put the surveyors in an unlikely spot for a farmstead or building location, the survey was expanded to identify the most probable nearby landform(s) likely to contain a farmstead, house, or other building.

It was also expected that, unless the site was in an area that was completely developed or was destroyed through other massive earth removal activities, archaeological and architectural remains (foundations, surface debris, wells, cisterns, etc.) would be found by visual examination of the ground surface. Based on evidence supplied by the 1938/39 and 1951 aerial photographs, it was also clear that some of the locations were located in areas that were under cultivation by 1938/39 or 1951. In such cases, above-ground architectural remains were not expected. Because plowed historic-era sites often contain artifact deposits and subterranean architectural features, a limited shovel test strategy was employed in an effort to locate artifact deposits. Shovel tests were roughly 50 cm square and extended to no more than 12-inches below surface. The depth limit was imposed by DOE procedures, which require excavation permits for excavations that exceed 12 inches. The shovel test interval was dictated by the field conditions, such as terrain and vegetation, but seldom exceeded 50 ft (15 meters).

Once a site was located in the field, an attempt was made to correlate the field findings with the prepared survey schematic maps generated from the 1939 and 1951 aerial photographs. Although useful in some cases, dense vegetation and the condition of the remains made this exercise difficult.

The GPS unit was used to map all visible archaeological and architectural remains, shovel test locations, and some of the landform features such as roads, streams, and tree lines. In some cases the accuracy of the GPS data was limited by tree cover. The GPS data, in conjunction with paper field schematics and standardized survey forms, were used to generate the maps prepared for each location description in this report. Field-generated GPS coordinates were used to correct the pre-survey coordinates that were initially used to guide the survey.

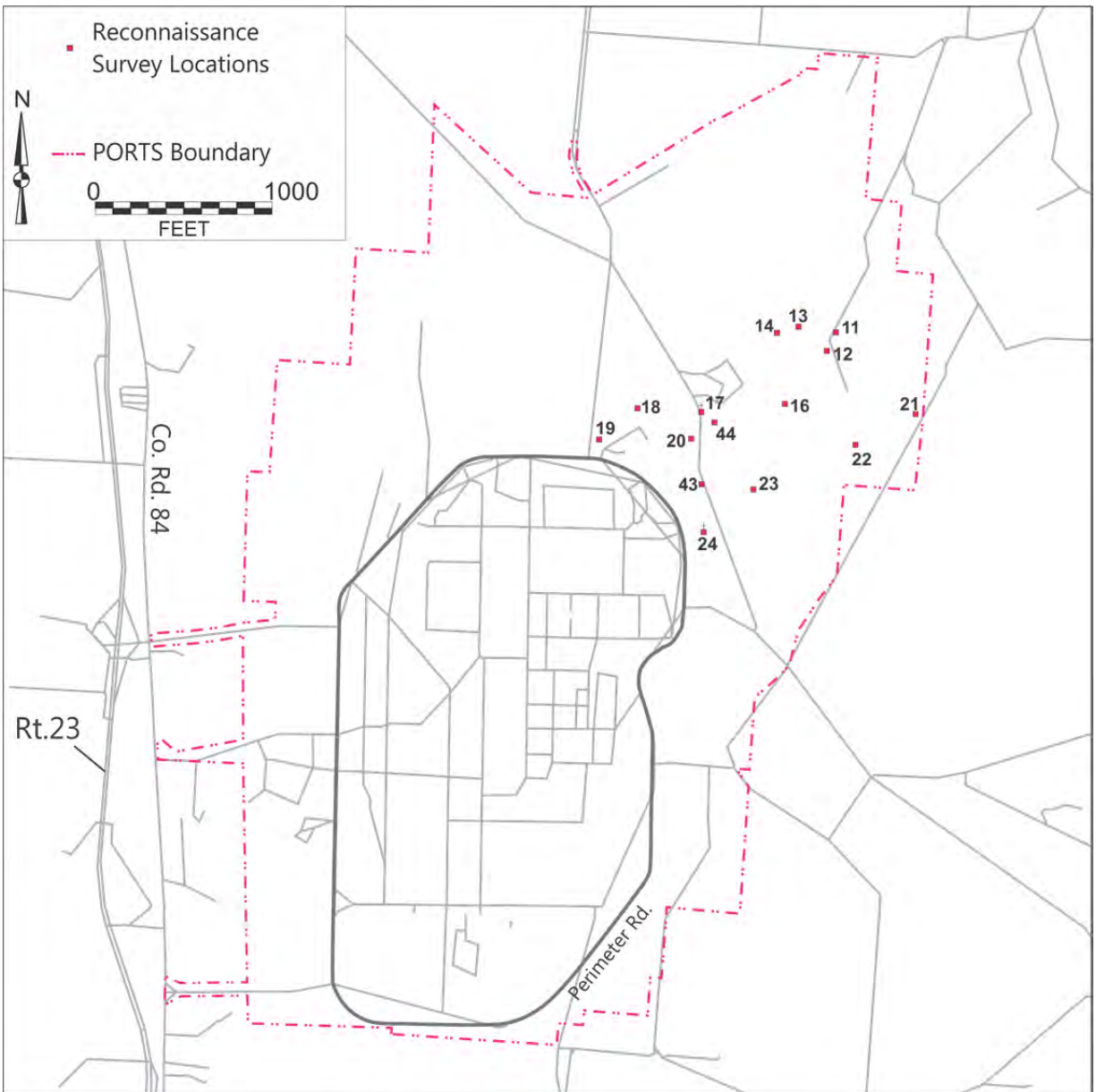


Figure 1. Schematic road map showing historic-era building and farmstead locations within PORTS based on historical map resources.



Figure 2. Portions of the 1992 Waverly South, 1961 (PR 1974, PI 1979) Piketon, 1961 (PR 1986) Wakefield, and 1961 (PR 1975) Lucasville, Ohio 7.5" USGS topographic maps showing 15 building locations examined by Ohio Valley Archaeology, Inc.

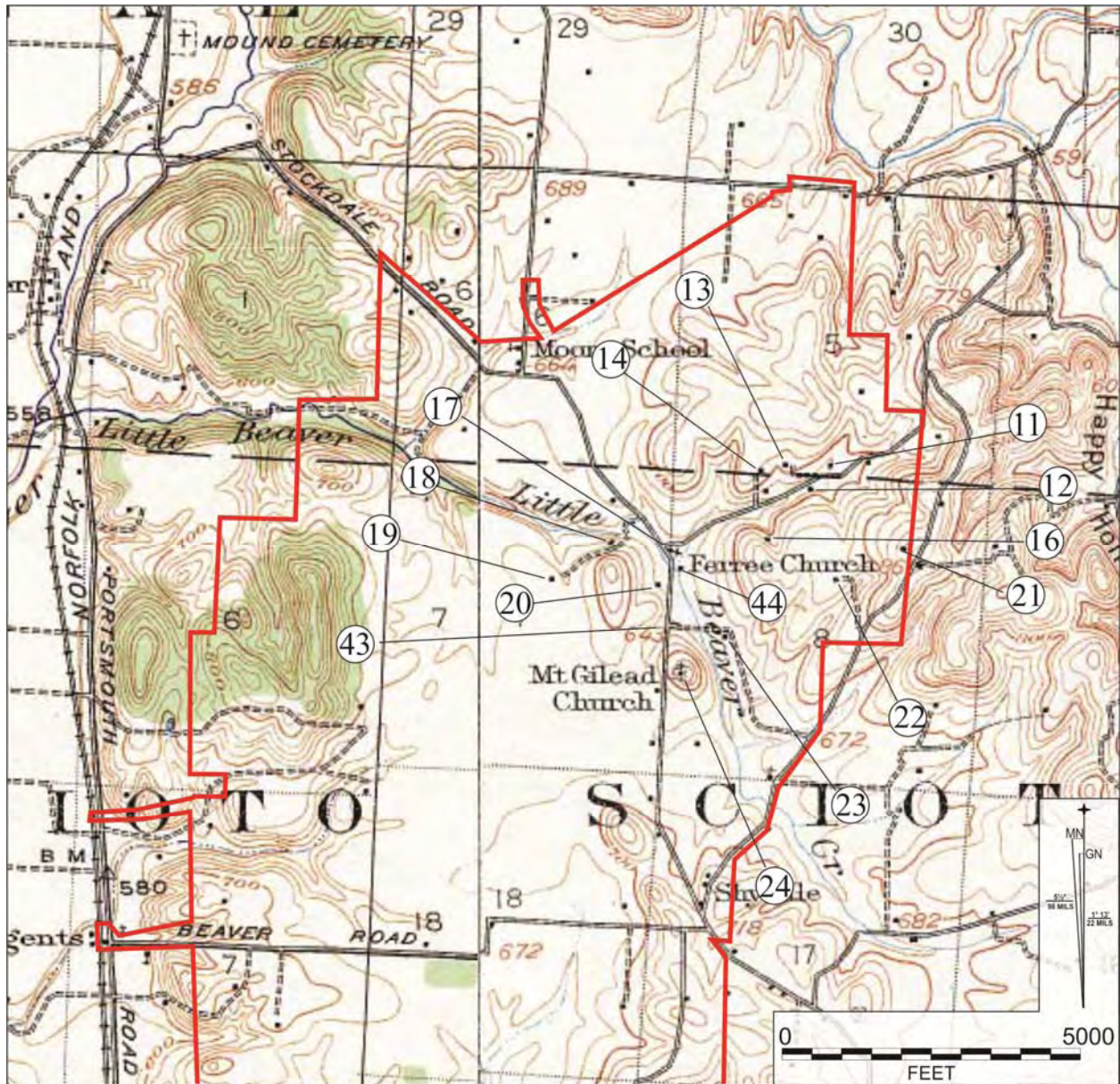


Figure 3. Portions of the 1906 Waverly and 1915 Piketon, Ohio 15" USGS topographic map showing 15 building locations examined by Ohio Valley Archaeology, Inc.

Table 1. List of 15 historic-era building locations examined by Ohio Valley Archaeology, Inc.

Location #	Northing	Easting	ca. 1905 Oil and Gas Map	15" Quad	1938/39 Aerial	1951 Aerial	1952 AEC Property	# of buildings	Pre-survey comments generated by Ohio Valley Archaeology, Inc. from aerial photograph inspection and general site knowledge of PORTS
11	375701	1832634	X	X				1	Located near sludge lagoon; DOE road may have impacted site
12	375086	1832216	X	X	X	X	X	3+	Mostly covered by sludge lagoon, though outbuilding locations could be extant
13	375719	1832216	X	X	X	X	X	4+	Brodess farmstead-intact
14	375614	1831239	X	X	X			1	May just be a house, not evident on 1951 aerial; located within or just south of power line corridor
16	374591	1831459	X	X	X	X		1+	Could be submerged by inlet of sludge lagoon, or is just on edge of lagoon
17	374213	1829804	X	X	X	X	X	1	Church, concrete steps visible from road
18	373993	1828659	X	X				1	Located within or near power line corridor, may be on high ground on south side of creek
19	373479	1827855	X	X	X	X	X	6+	Farmstead, located just east and perhaps under road extending north from Perimeter Road
20	373608	1829479	X	X				1	Area likely plowed in the 1930s-50s, road moved and may have impacted site, could be on either side of road
21	374108	1833859	X	X		X		2	Right along edge of PORTS boundary fence, just inside boundary
22	373651	1832618	X	X	X	X	X	5	Farmstead, numerous outbuildings, house just east of old fence line, large barn farther to east
24	372186	1829891	X	X	X	X	X	1	Documented in Phase I report- cemetery, but a church may be located to the south
23	372782	1830793	X	X				1	Old Shy property, ground plowed in 1930s-50s
43	372870	1829673			X	X	X	1	Post-1915 house, may be destroyed by Fog Road realignment
44	373978	1830126	X	X	X	X		3	House just south of Ferree Church, outbuildings farther south along west side of fence and east side of creek

RECONNAISSANCE SURVEY RESULTS

Locations with Archaeological Remains

Of the 15 historic-era building locations examined by Ohio Valley Archaeology, Inc., the reconnaissance survey identified archaeological remains at ten locations (Location #13, #14, #16, #17, #19, #20, #21, #22, #24, and #43). Ohio Archaeological Inventory forms (OAI) were prepared for nine of these locations and are presented in Volume II of this report. Location #24 is a church location within a cemetery that was documented by ASC Group for the 1997 PORTS archaeological survey (Schweikart et al. 1997). The 1997 survey prepared an OAI and an Ohio Historic Inventory form (OHI) for this cemetery and church location. Each of the locations with archaeological remains are presented as follows. Those locations without archaeological remains are discussed in a separate section in this report.

Location #13 OAI 33Pk311

NAD 1927 Zone 17 UTM Coordinates	N4321825	E328512
NAD 1983 US State Plane Coordinates	N375719	E1832216

Landform: Toe-Ridge
Elevation: 720 ft AMSL
Soils: Coolville silt loam, 1-8% slope
Estimated Site Size:~20,000 square ft

Location # 13 is a farmstead situated in the northeastern part of PORTS on a toe-ridge overlooking the sludge lagoon to the south (Figures 1-3). The northern edge of the farmstead is adjacent to a power line corridor that passes along the north side of the lagoon. Vegetation is very dense scrub on the north and east sides of the site, but the interior is vegetated in hardwoods.

This farmstead is indicated on the c. 1905 Oil & Gas map, the 15" USGS map, the 1939 and 1951 aerial photographs, and on the 1952 AEC Real Estate Easement map. In 1952, the farmstead sat on a 65.16 acre farm owned by John M. Brodess. The 1939 aerial photograph has very poor resolution in this area but at least four buildings are evident (Figure 4). At least seven buildings are visible on the 1951 aerial photograph, including a house, a large barn, and five smaller outbuildings.

The reconnaissance survey located the remains of three buildings, including a house foundation, a barn foundation, and an outbuilding foundation (Figure 5). Additionally the site contains a large stone retaining wall, a well, two large cisterns, and a septic system.

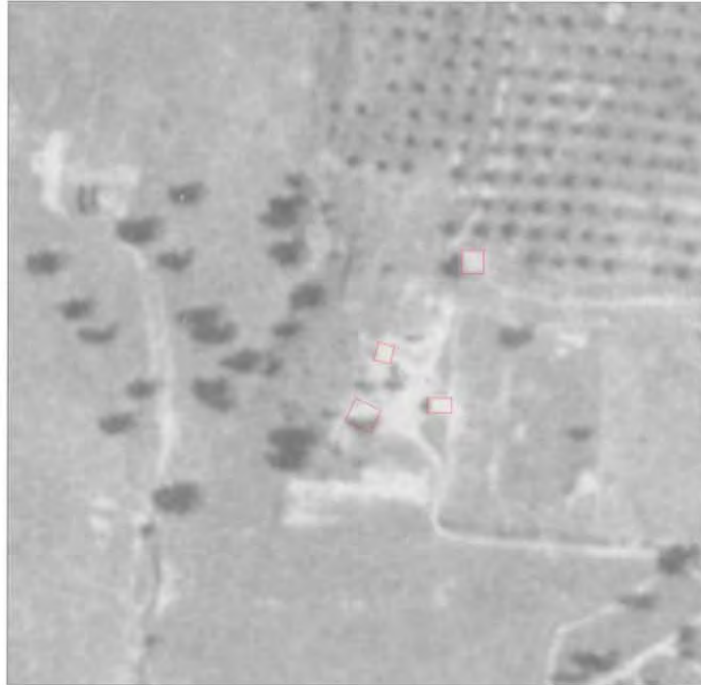
The house foundation is made of sandstone block and concrete, and includes a stone cellar. The foundation has a chamfered or bevel on the front side of the house, facing the sludge lagoon. The concrete within this foundation, in addition to a sidewalk and sidewalk steps, probably represents later improvements and additions to an original stone house foundation and cellar. Adjacent to the southern edge of the house foundation is a stone lined well. Northeast of the house is a large concrete cistern and a double-chambered stone and concrete septic system. The stone retaining wall is located on the north side of the house and extends eastward across the ridge.

The barn is located north of the house, adjacent to the power line. It contains a large concrete pad and a series of concrete piers. On the north end is a large concrete cistern. Given that foundation and cistern are made of concrete, this building probably served as a dairy barn.

The outbuilding foundation is a large concrete pad that sits on a sandstone footer located north of the house foundation and southwest of the barn foundation. It appears that this foundation represents an older building improved at a later time with the addition of a poured concrete pad.

It is very possible that Location #13 contains additional foundations and other features that are obscured by dense vegetation and it is likely that some are buried below the ground surface.

Location #13
1939 Aerial



Location #13
1951 Aerial



Figure 4. 1939 and 1951 aerial photographs showing Location #13.

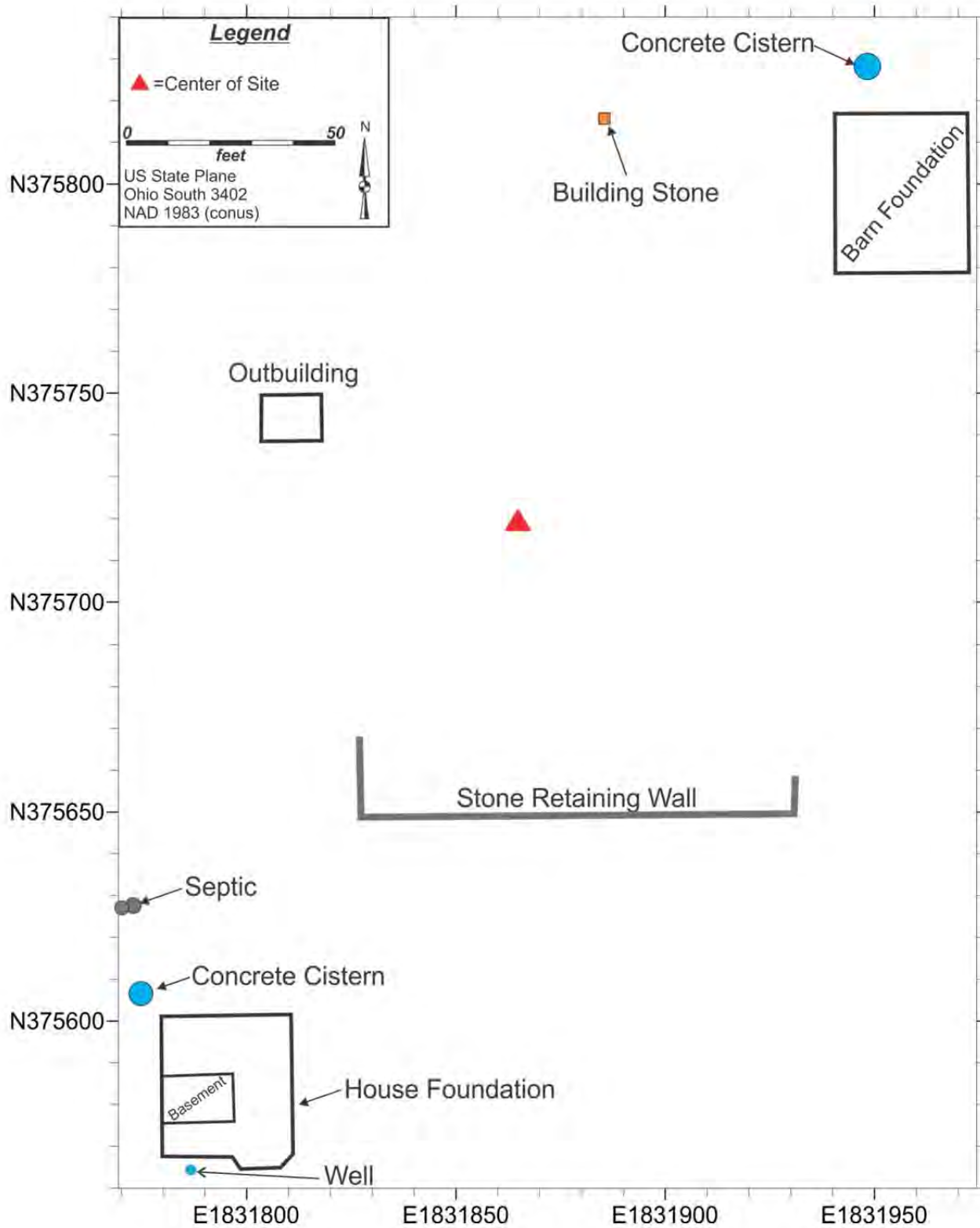


Figure 5. Schematic illustration of Location 13 (33Pk311).

Location #14
OAI 33Pk312

NAD 1927 Zone 17 UTM Coordinates	N4321796	E328321
NAD 1983 US State Plane Coordinates	N375614	E1831239

Landform: Toe-Ridge
Elevation: 725 ft AMSL
Soils: Latham-Wharton silt loam, 15-25% slopes
Estimated Site Size: ~48,000 square ft

Location #14 is situated on a toe-ridge overlooking the sludge lagoon to the south, on the northeast side of the PORTS facility (Figures 1-3). A recently constructed (in the last ten years) power line corridor passes by the northern side of the site. South of the power line is a broad, sloping toe-ridge flanked by two moderately steep ravines on the east and west sides. A single building is indicated at this location on the c. 1905 Oil & Gas map, the 15" USGS topographic map, and on the 1938 aerial photograph (Figure 6). The building is not visible on the 1951 aerial photograph. While no building is indicated at this location on the 1952 AEC Real Estate Easement map, the location is on a 65-acre property that was last owned by Matilda Condon.

The vegetation at the time of the investigation was mostly dense scrub growth and briars but a stand of relatively open hardwoods was observed on the west side. The reconnaissance survey consisted of pedestrian survey and shovel testing on the toe-slope south of the power line (Figure 7). The pedestrian survey located several displaced sandstone building blocks, two fence posts, a galvanized metal tub, a stone-lined well, and a rectangular-shaped depression.

The displaced sandstone blocks are located on the southern edge of the power line corridor, on the northern edge of the site area. It is possible that the power-line installation displaced these stones, though additional survey work may better determine their provenance.

The stone-lined well is located near the head of a draw on the west side of the site area, south and east of the displaced stone. Adjacent to the well is a 3 m by 4 m (10 ft by 13 ft) rectangular-shaped depression that resembles a small cellar or external root cellar. The materials used to build the cellar are unknown because the cellar walls were obscured by dense vegetation.

The fence posts are located west of the well, near the center of the ridge, and the metal tub was found at the head of the draw on the west side of the site.

Five shovel tests were excavated at 15 meter intervals across the ridge, parallel to the power line (Figure 7). These revealed a 20-25 cm thick brown surface soil layer over a yellowish brown subsoil. Fifteen historic-era artifacts were recovered from two of the five shovel test and nearly all of these were recovered from shovel test #5. This assemblage includes architecture group artifacts (n=6), kitchen group artifacts (n=7), and miscellaneous hardware and tools (n=2). The architecture group artifacts consisted of window glass (n=2), brick (n=2), and unidentified corroded nails (n=2). The kitchen group artifacts include a single piece of stoneware, a plain whiteware sherd, and five pieces of container glass.

The reconnaissance survey verified the presence of archaeological deposits and architectural remains within Location #14 (33Pk312). A systematic survey would better define this site. Vegetation clearing would be essential to facilitate such an effort.

Location #14
1939 Aerial

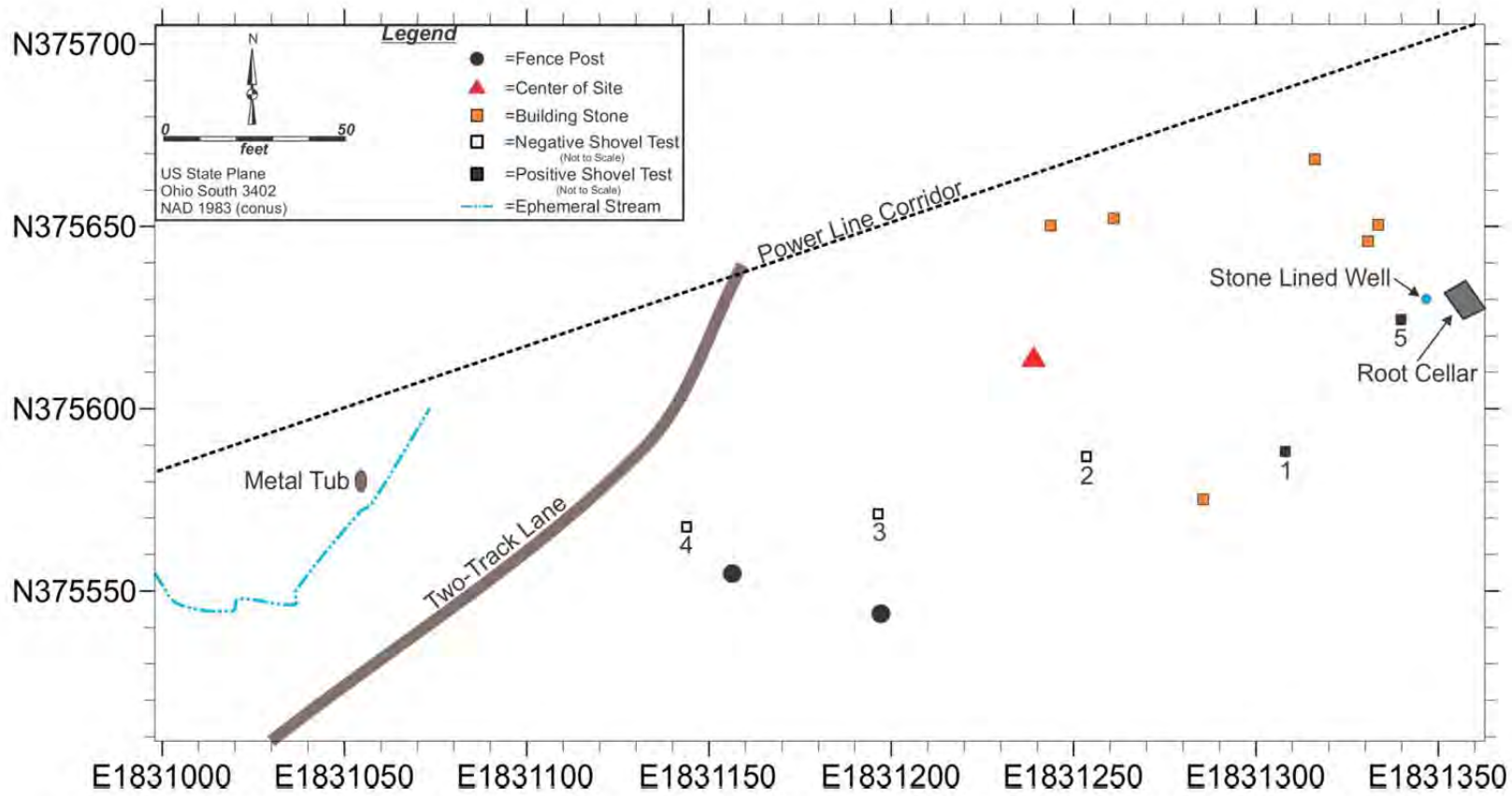


Location #14
1951 Aerial



Figure 6. 1939 and 1951 aerial photographs showing Location #14.

Figure 7. Schematic illustration of Location #14 (33PK312).



Location #16
OAI 33Pk313

NAD 1927 Zone 17 UTM Coordinates	N4321483	E328383
NAD 1983 US State Plane Coordinates	N374591	E1831459

Landform: Slope/Stream Bottom
Elevation: 715 ft AMSL
Soils: Coolville-Blairton Association, rolling
Estimated Site Size: ~ 30,000 square ft

Location #16 is situated in a side-hollow in what is now the south shore of the sludge lagoon in the northeastern part of the PORTS facility (Figures 1-3). At least one building is indicated in this area on the c. 1905 Oil & Gas map, the 15" USGS topographic map, and the 1939 and 1951 aerial photographs. Based on the 1952 AEC Real Estate Easement map, which did not show a house at this site, the 59.5-acre property was owned by Thomas O. Zimmerman when purchased for PORTS.

The 1939 aerial photograph shows two buildings and the 1951 aerial shows at least one building at this location (Figure 8). The vegetation pattern on these images indicates that the farmstead is on the eastern side of the hollow, either in its bottom or on the side slope. If the buildings are in the bottom, their remains are currently inundated by the sludge lagoon. The side slope on either side of the hollow is relatively steep and is vegetated in hardwoods. Scrub growth, briars, grasses, and weeds were encountered around the perimeter of the shoreline.

The reconnaissance survey involved a pedestrean survey that began along the sludge lagoon shoreline and extended along the side slope of the hollow to the ridgetops on either side of the hollow. This survey resulted in the discovery of a 7 m wide 30 m long bank-cut that runs parallel to the slope (Figure 9). Near this bank cut is a single yucca plant—a non-native plant type commonly associated with historic-era house sites in Ohio. Approximately 48 meters north of the bank-cut is a rock pile. The bank-cut, though narrow, is very long. It is possible that it served as a seat for a building location. No building stone, however, was found associated with the bank cut.

It does not appear that the bank-cut represents the house location on the aerial photographs. The house seems to be located down slope and closer to the bottom of the ravine, an area that is now currently within the lagoon. The rock pile is also near or on the same elevation as the bank-cut, and is composed of fieldstone of various shapes and sizes.

Five shovel tests were excavated on the east and west sides of the bank-cut. These revealed very rocky, mottled silt and clay with no A-horizon. Given that the site is located on relatively steep slope, it is not surprising that the surface is heavily eroded.

Although the bank-cut, rock pile, and yucca plant represent some component of an historic-era archaeological site, it appears that the core of the site has been covered by the lagoon. No further work is recommended for Location #16 (33Pk313).

Location #16
1939 Aerial



Location #16
1951 Aerial



Figure 8. 1939 and 1951 aerial photographs showing Location #16.

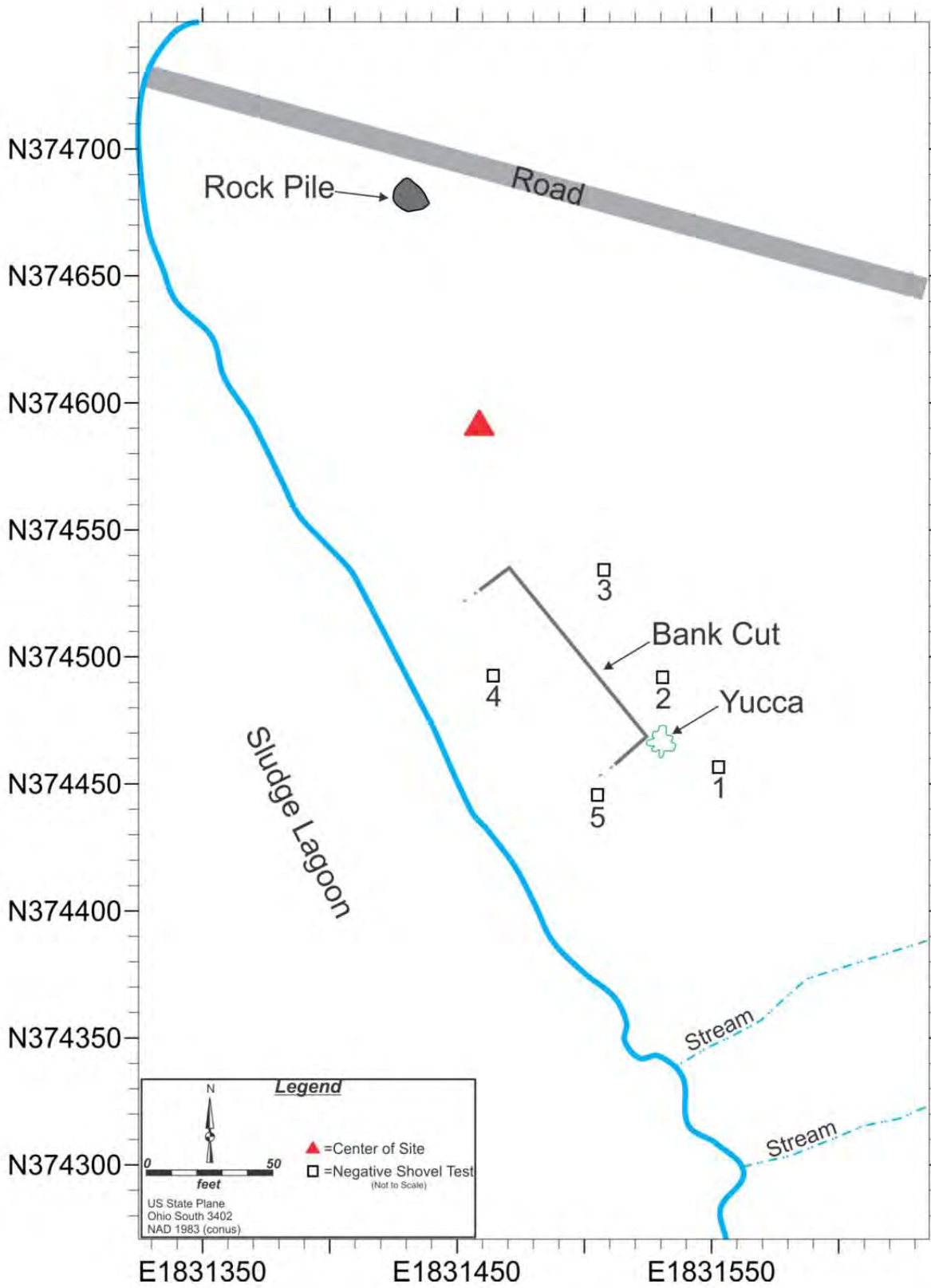


Figure 9. Schematic illustration of Location #16 (33Pk313).

Location #17
OAI 33Pk314

NAD 1927 Zone 17 UTM Coordinates	N4321376	E327876
NAD 1983 US State Plane Coordinates	N374213	E1829804

Landform: Valley Floor
Elevation: 625 ft AMSL
Soils: Omulga silt loam, 3-8% slopes
Estimated Site Size: ~12,500 square ft

Location #17 is the Ferree Church site located along Fog Road in the east central portion of PORTS (Figures 1-3). A single building is indicated in this area on the c. 1905 Oil & Gas map, the 15" USGS topographic map, and the 1939 and 1951 aerial photographs. The aerials show the building at the intersection of two road ways and what appears to be a driveway along the west side of the building (Figure 10).

The reconnaissance survey located a cinder block foundation with a poured concrete stoop and steps on the west end (Figure 11). South of the foundation is a scattering of displaced sandstone building stones. The dressed sandstone blocks are fairly large and are tentatively interpreted to represent the remains of an older church foundation that may have been replaced by the current cinder block foundation. It is also possible that they are part of a nearby replaced bridge on Fog Road.

Three of the four shovel tests excavated in the church area produced 29 artifacts. This assemblage is composed of architecture group artifacts (n=25) and kitchen group artifacts (n=4). The architecture group artifacts are dominated by window glass (n=18), with the remainder being cut square nails (Figure 12). All of the kitchen group artifacts are container glass.

Location #17 appears to be in fairly good condition, but the site has been somewhat impacted by the Fog Road realignment. The current foundation probably dates to the early part of the 20th century since there appears to be no significant structural changes between the 1939 and 1951 aerials. No additional work is recommended for Location #17 (33Pk314).

Location #17
1939 Aerial

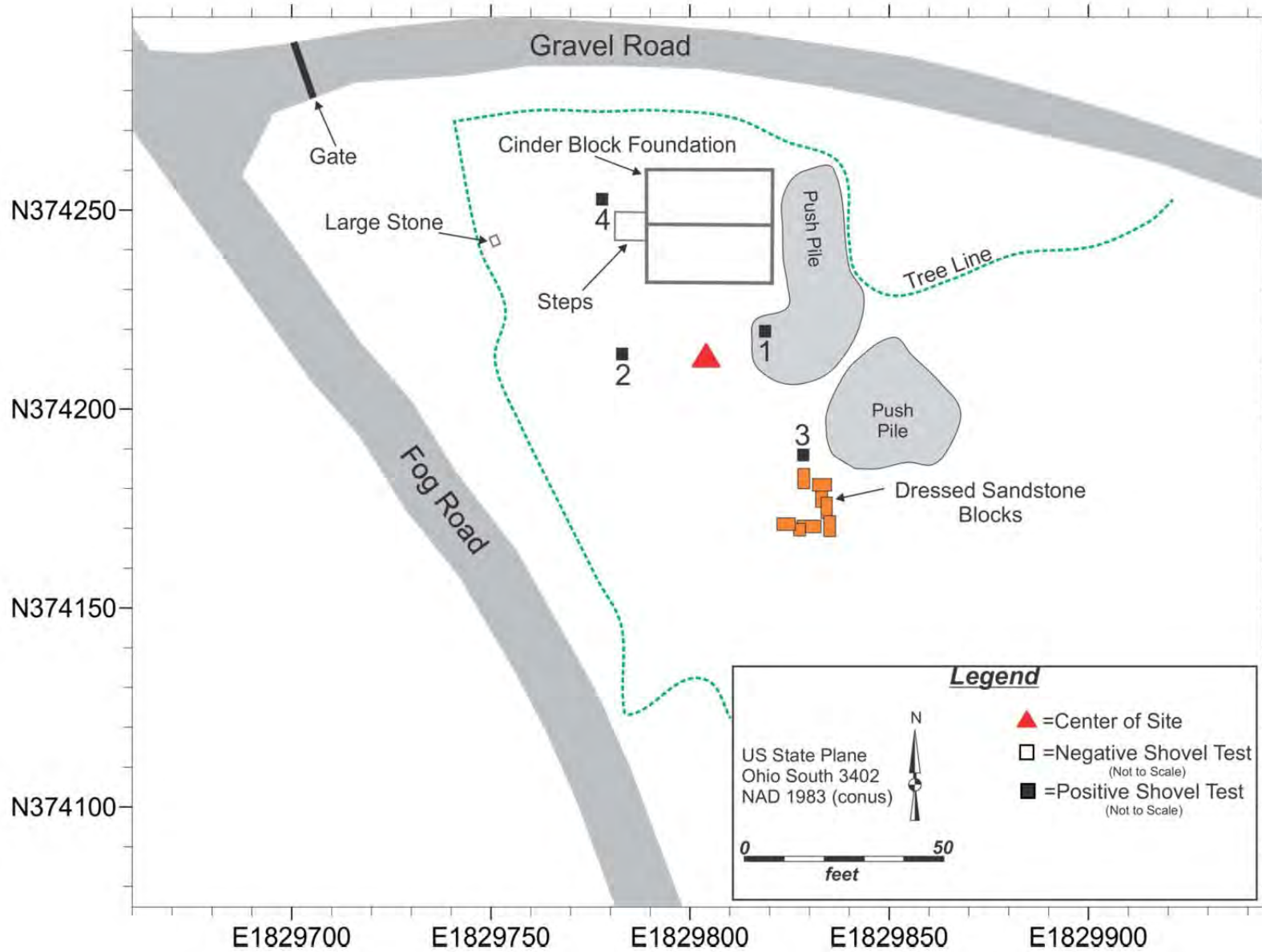


Location #17
1951 Aerial



Figure 10. 1939 and 1951 aerial photographs showing Location #17.

Figure 11. Schematic illustration of Location #17 (33PK314).



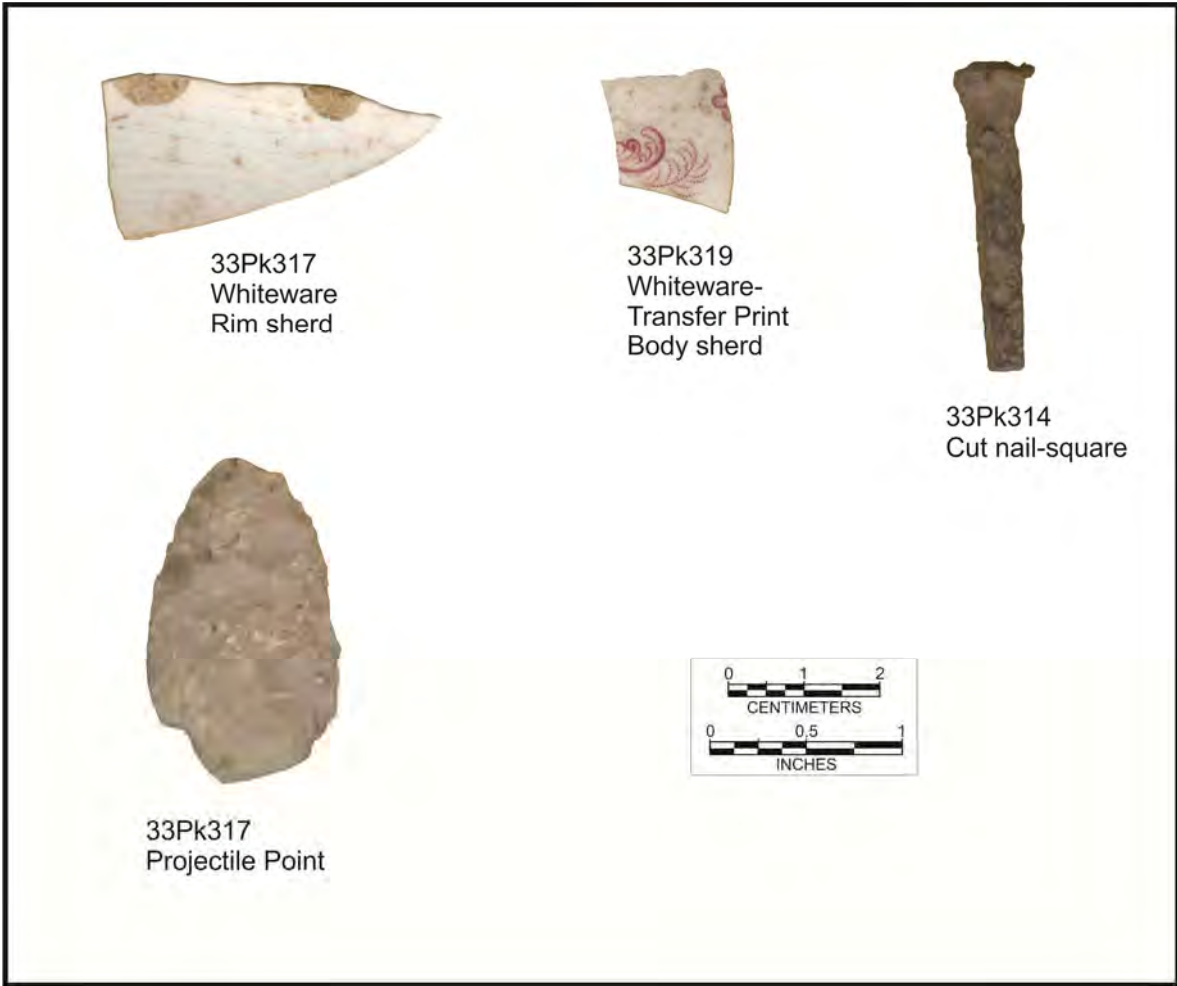


Figure 12. Scanned images of artifacts collected from Location #14 (33Pk312), #21 (33Pk317) and #43 (33Pk319).

Location #19
OAI 33Pk315

NAD 1927 Zone 17 UTM Coordinates	N4321162	E327279
NAD 1983 US State Plane Coordinates	N373479	E1827855

Landform: Toe-Ridge
Elevation: 660 ft AMSL
Soils: Urbanland-Omulga complex, 0-6% slopes
Estimated Site Size: ~5,000 square ft remains intact

Location #19 is situated on a broad toe-ridge in the northern part of the PORTS facility (Figures 1-3). Buildings are indicated in this area on the c. 1905 Oil & Gas map, the 15" USGS topographic map, the 1939 and 1951 aerial photographs, and on the 1952 AEC Real Estate Easement map. The 1939 aerial photograph shows at least five buildings and the 1951 aerial shows at least seven buildings arranged in a fairly large farmstead complex (Figure 13). At least one building on both aerials appears to be a house in the center of the complex. A large barn-like building is located on the north side. The other buildings appear to be outbuildings of various sizes and shapes. According to the AEC Real Estate Easement map, the farmstead sat on a 90-acre property owned in 1952 by Benjamin F. and Bertha Farmer—members of a long-time local family with family members buried in the nearby Holt Cemetery (PIK-207-09, 33Pk214).

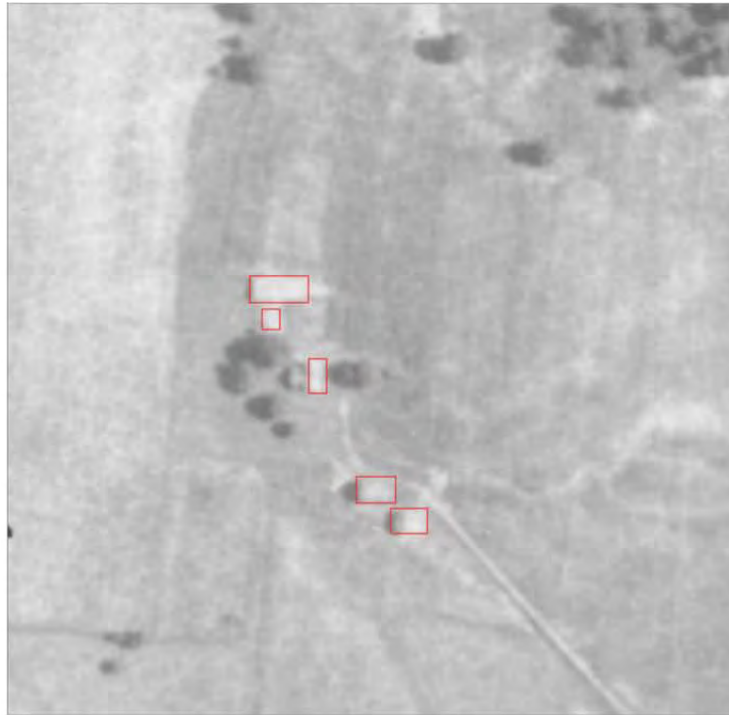
Currently, this location is bound by paved roadways on the east (the road to the water treatment plant) and west (PORTS north access) sides and Perimeter Loop Road on the south side (Figure 14). Most of the surface area, which is vegetated in mowed grass and tall weeds, has been modified with several man-made ditches and drainage ways. Two lines of shovel tests spaced at 10 meter intervals were excavated along the low ridge bound by ditches and swales on the north and west sides. The western part of this area contains numerous tree stumps and scattered logging debris, indicating that it was recently timbered. A large area with a thick layer of logging debris was observed on the northern part of this location.

With the exception of three shovel tests (#12-14) excavated on the west end, all shovel tests revealed a heavily mottled clay soil profile extending down to at least 30 cm (12-inches) below surface. Exposed subsoil was also observed at the surface in the northern and southern parts of this location. Shovel tests #12-13 revealed a 20 cm thick, brown silt loam over a yellowish brown silty clay subsoil. Two of these, #13 and #14, produced 48 historic-era artifacts, including architecture group items (n=6), kitchen group items (n=35), an iron well pump (n=1), and miscellaneous metal (n=6). The architecture group artifacts are classified as unidentified corroded nails (n=5) and a single piece of concrete. Kitchen group artifacts are exclusively container glass.

Based on the reconnaissance survey, it was determined that most of the farmstead at Location #19 has been obliterated by road construction and land modification. It appears that the house and large barn on the north side of the farmstead were removed for the construction of the roadway on the west side. No architectural remains were found, though the shovel tests reveal

that a portion of the site may be somewhat intact. No additional work is recommended for Location #19 (33Pk315).

Location #19
1939 Aerial



Location #19
1951 Aerial

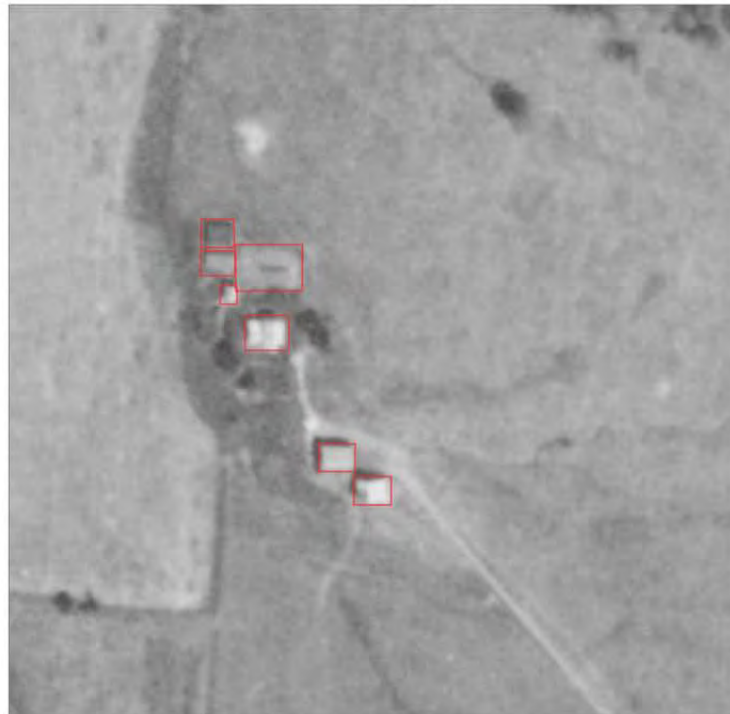


Figure 13. 1939 and 1951 aerial photographs showing Location #19.

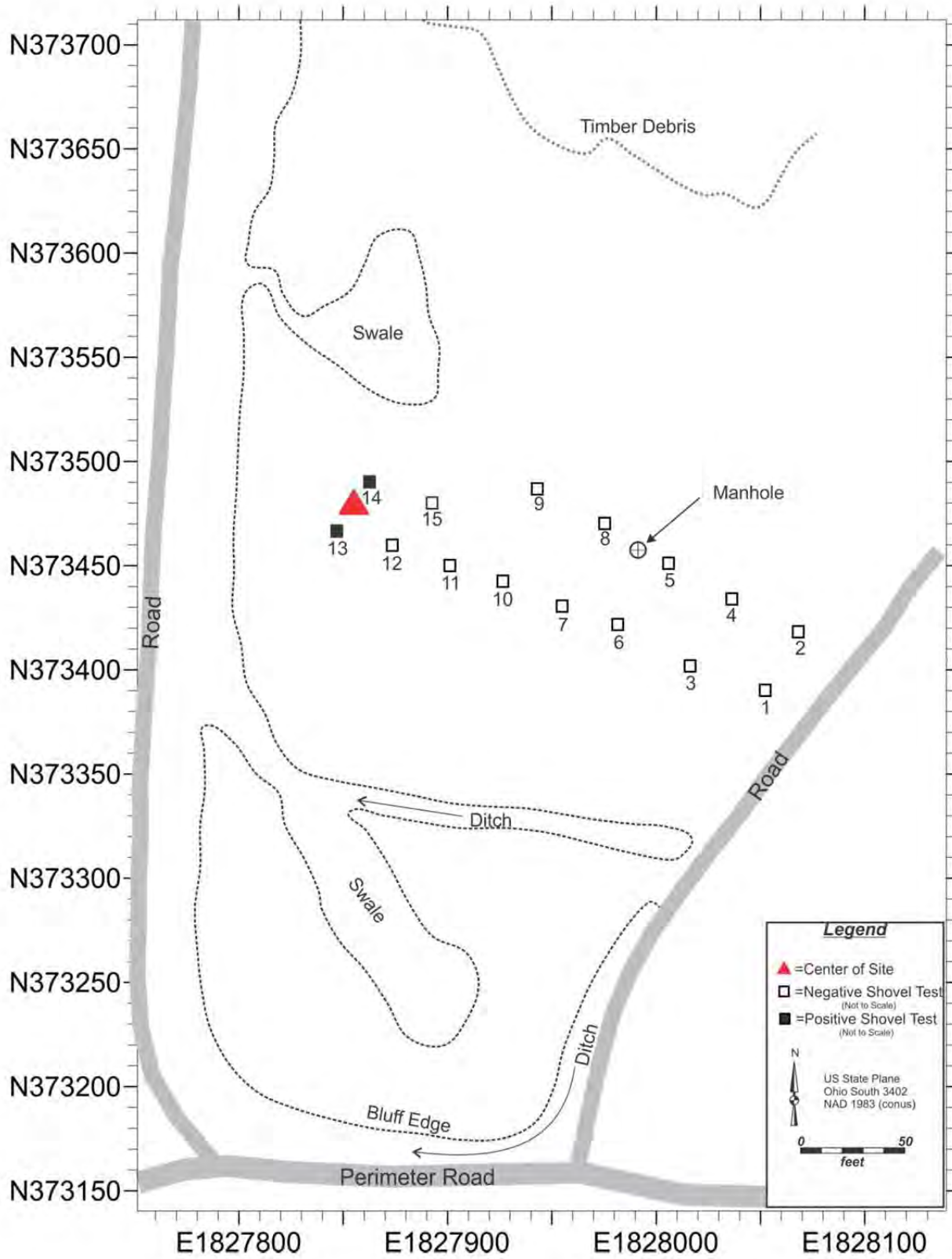


Figure 14. Schematic illustration of Location #19 (33Pk315).

Location #20
OAI 33Pk316

NAD 1927 Zone 17 UTM Coordinates	N4321194	E327774
NAD 1983 US State Plane Coordinates	N373608	E1829479

Landform: Ridge
Elevation: 645 ft AMSL
Soils: Latham-Wharton silt loam, 15-25 ft slopes
Estimated Site Size: ~5625 square ft

Location #20 is situated near the end of a broad ridge overlooking a tributary of Little Beaver Creek in the northeastern portion of PORTS (Figures 1-3). This location is on the west side of Fog Road. A building is indicated in this area on the c. 1905 Oil & Gas map and the 15” USGS topographic map, but not on the later map resources or aerial photographs. The 1939 and 1951 aerials show County Road 20 (now Fog Road) to be a straight, north to south oriented, roadway in this area (Figure 15). The current Fog Road, however, was realigned to the west and encroaches into Location #20.

The reconnaissance survey for Location #20 involved a pedestrian survey within the hollow on the west side of Fog Road. This area is heavily dissected with small streams and rivulets and contains narrow ridges and hummocks. Vegetation is dense scrub, briars, and small trees. A large pile of sandstone building stone was observed at this location (Figure 16). Much of this stone is fairly large and one piece had a quarry bore-hole. At first glance, it was thought that the stone pile represented a staging or storage area for a quarry. Much of the stone is larger than what has typically been observed at many of the PORTS farmsteads. More than likely, however, the stone is probably discarded building material from a nearby bridge replacement associated with the Fog Road realignment.

Six shovel tests were excavated at 15 meter intervals on the east and west sides of the sandstone rock pile (Figure 16). Shovel tests #1-4 follow a narrow ridge and revealed a rocky mottled subsoil with no A-horizon. Shovel tests #5-6 were excavated in a low flat area adjacent to Fog Road. These revealed a 30 cm deep brown silt loam. The subsoil was not encountered in this area.

No artifacts or evidence of a farmstead was encountered within Location #20. The entire surface area is heavily modified and it is likely that the farmstead was taken out by the Fog Road realignment and other earthmoving activities. An OAI (33Pk316), however, was assigned to this location due to the presence of the sandstone building stone.

Location #20
1939 Aerial



Location #20
1951 Aerial

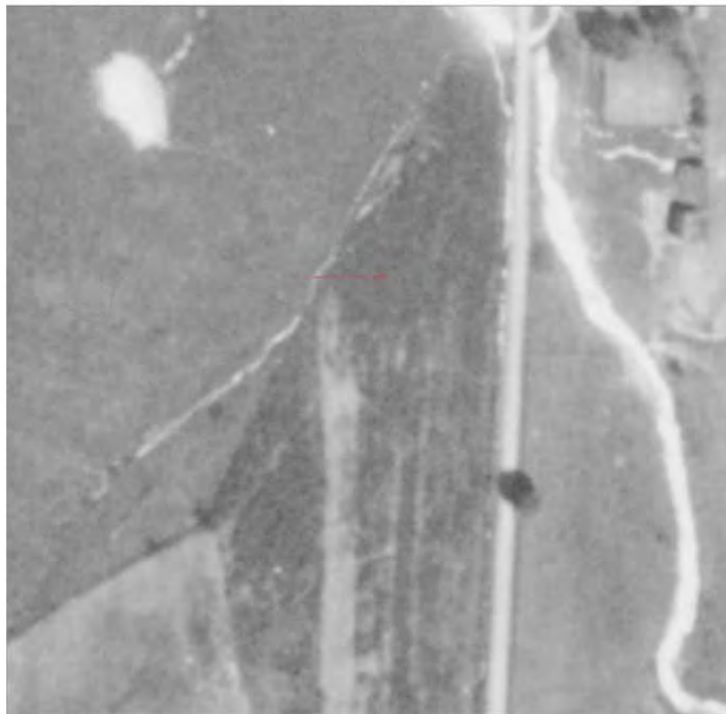
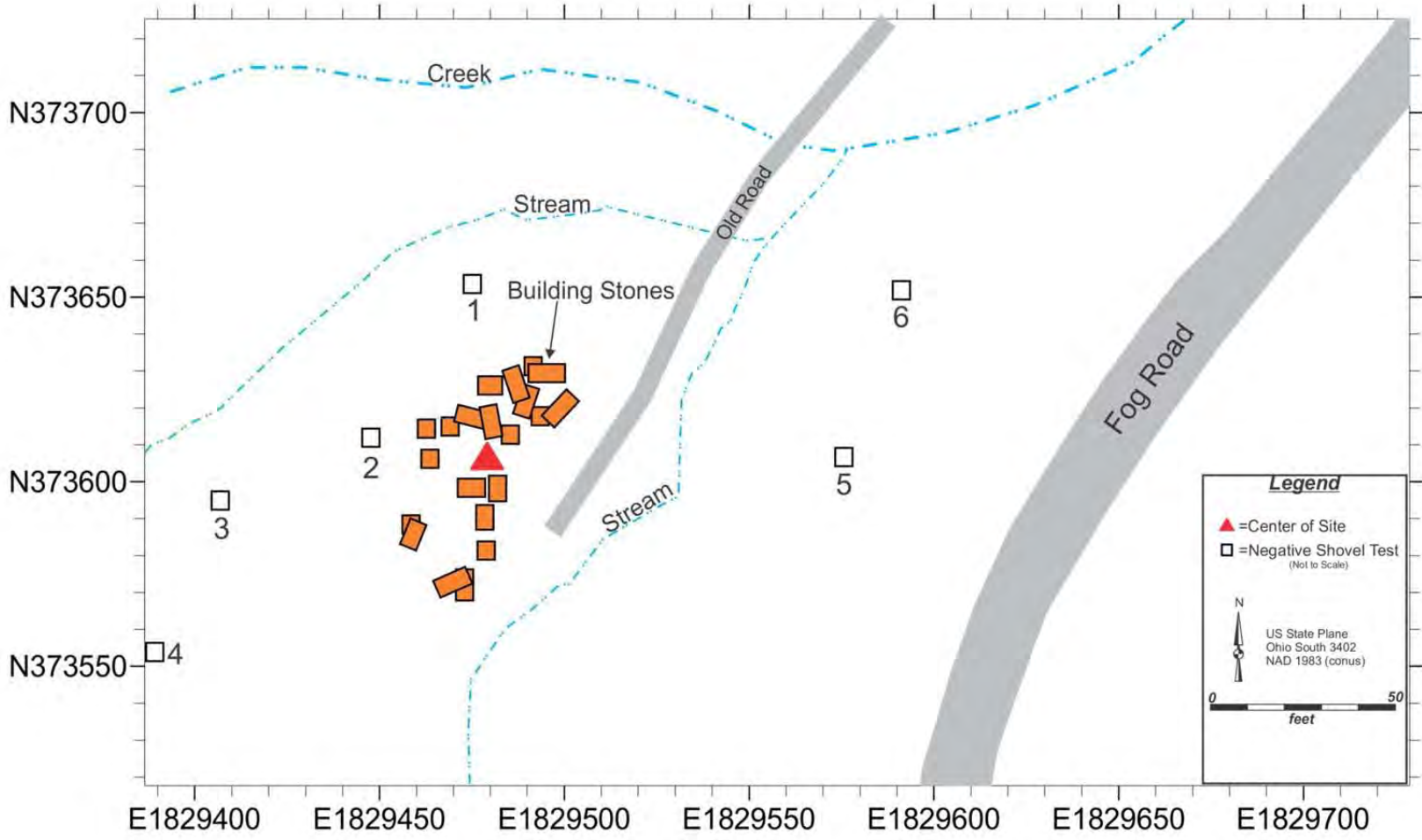


Figure 15. 1939 and 1951 aerial photographs showing Location #20.

Figure 16. Schematic illustration of Location #20 (33PK316).



Location #21
OAI 33Pk317

NAD 1927 Zone 17 UTM Coordinates	N4321324	E329112
NAD 1983 US State Plane Coordinates	N374108	E1833859

Landform: Ridge
Elevation: 880 ft AMSL
Soils: Coolville-Blairton Association, rolling
Estimated Site Size: ~28,000 square ft

Location #21 is on a broad ridge near the head of a draw on the northeastern edge of the PORTS facility (Figures 1-3). A building is indicated in this area on the c. 1905 Oil & Gas map, the 15" USGS topographic map, and the 1951 aerial. The absence of this building on the 1939 aerial photograph is probably a reflection of poor photographic resolution since it was present when the older maps were made and later when the 1951 aerial photograph was taken (Figure 17). No building is indicated in this area on the 1952 AEC Real Estate Easement map; the location is part of the 89.35-acre farm owned by Torrence I. and Ruth Mary Mechling, who also owned a large farmstead to the east at Location #22.

Vegetation in this area is very dense scrub, briars, and pine trees surrounded by larger, open hardwoods. Although the vegetation is thick, the ground surface appears rutted with several roadways, but it is difficult to know if these are related to the farm or were created during post-occupational activities. The PORTS boundary line, including a two-track roadway, bypasses the eastern edge of the site.

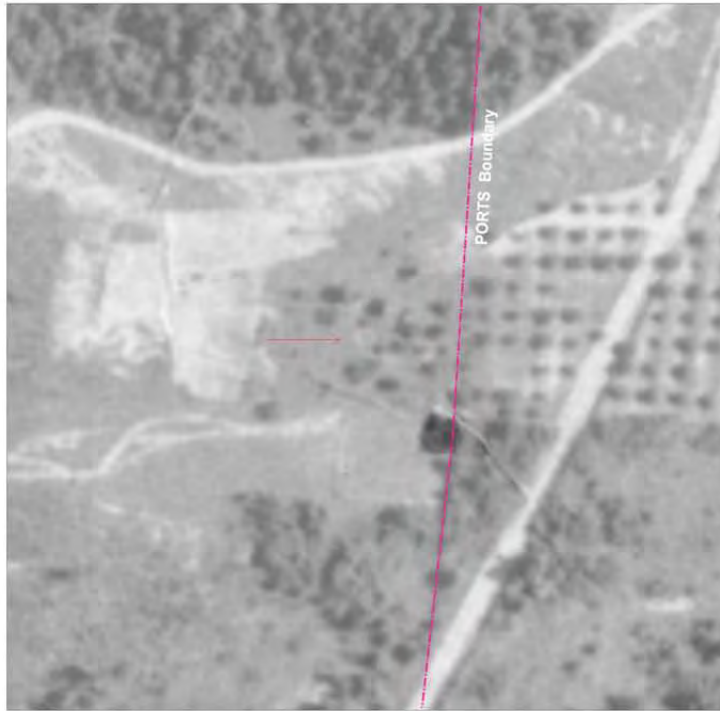
The reconnaissance survey within Location #21 involved a pedestrian survey around the perimeter and interior of the site area marked by scrub-growth. Due to the dense vegetation, very little could be seen on the ground surface, though an enameled tub or bucket was observed on the north end. Several pieces of sandstone building-stone were also observed on the north side of the site area adjacent to a rectangular-shaped depression (Figure 18). These features may represent the house seat or foundation for another building.

Four shovel tests were excavated at approximately 15 meter intervals within and east of the foundation area. These revealed a 20 cm thick 10YR3/3 to 10YR4/3 silt loam over a 10YR5/6 silt loam. Three of the four shovel tests produced 112 historic-era artifacts and three prehistoric artifacts. The historic-era assemblage includes architecture group artifacts (n=25), kitchen group artifacts (n=80), miscellaneous hardware (n=2), and miscellaneous metal (n=2). The architecture group artifacts consist of bricks (n=2), window glass (n=13), and unidentified corroded nails (n=2). Most of the kitchen group artifacts are fragments container glass; five are ceramic sherds, including whiteware (n=4) and pearlware (n=1). All five sherds are undecorated, but one of the whiteware sherds is a scalloped-edge rim fragment (Figure 12).

The prehistoric artifacts include a flint fragment, a piece of fire-cracked rock, and a notched projectile point that probably dates to the Late Archaic period (c. 2000 B.C.) (Figure 12).

Location #21 contains an archaeological site (33Pk317). To properly document this site, it must be cleared of its obstructive vegetation. This should be followed by a systematic surface investigation to locate additional architectural remains and other features. Future documentation should also include systematic shovel testing to better define the horizontal extent of the farmstead and the prehistoric Native American occupation of the site.

Location #21
1939 Aerial

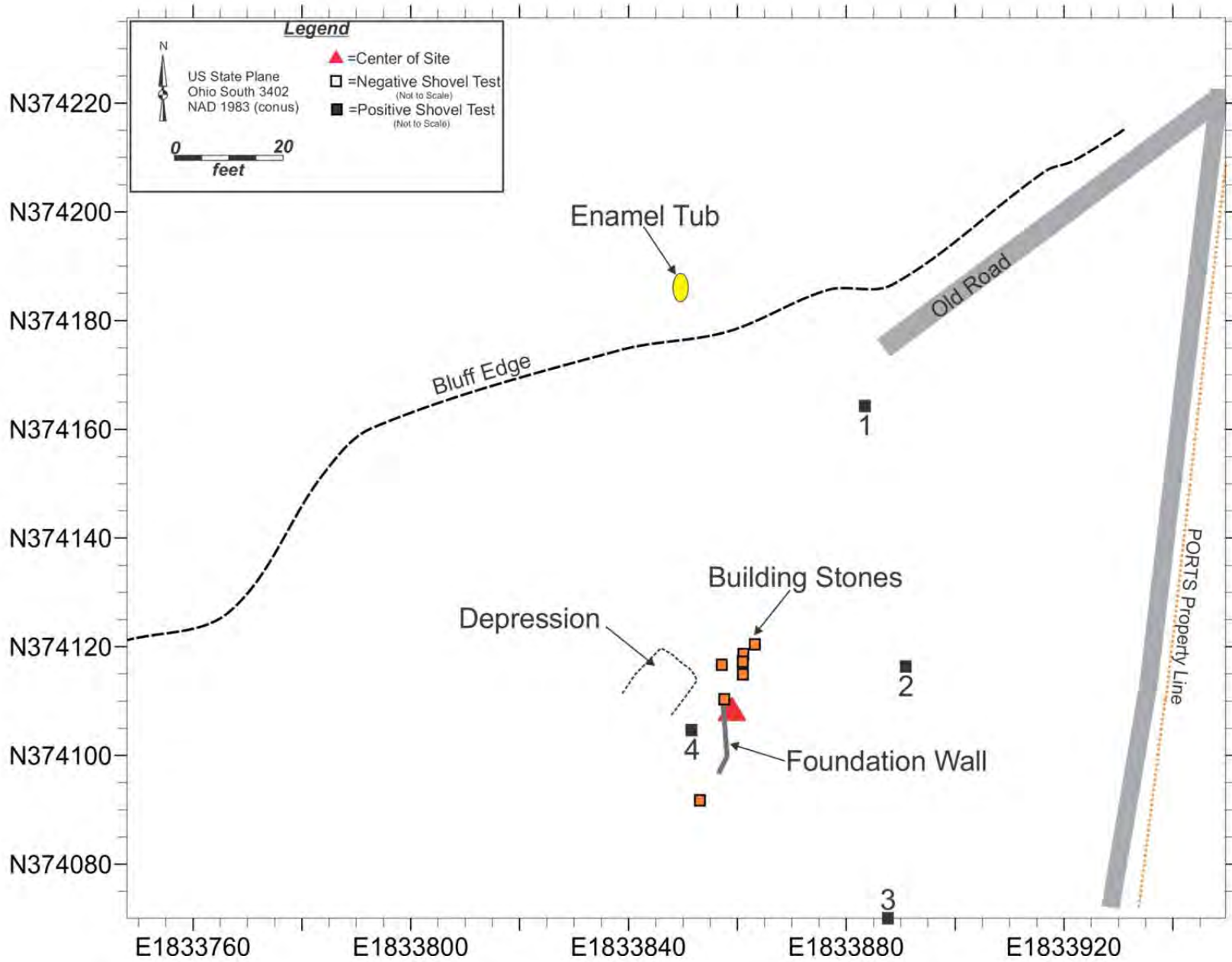


Location #21
1951 Aerial



Figure 17. 1939 and 1951 aerial photographs showing Location #21.

Figure 18. Schematic illustration of Location #21 (33PK317).



Location #22
OHI 33Pk318

NAD 1927 Zone 17 UTM Coordinates	N4321191	E328731
NAD 1983 US State Plane Coordinates	N373651	E1832618

Landform: Ridge/Saddle
Elevation: 770 ft AMSL
Soils: Shelocta-Latham Association, steep
Estimated Site Size: ~54,000 square ft

Location #22 is a farmsteads situated in a saddle near the head of a large, broad draw located in the eastern part of PORTS, west of McCorkle Road (Figures 1-3). Buildings are indicated in this area on the c. 1905 Oil & Gas map, the 15" USGS topographic map, the 1938 and 1951 aerial photographs, and on the 1952 AEC Real Estate Easement map. In 1952, the farmstead sat on an 89.35-acre farm owned by Torrence I. and Ruth Mary Mechling. The 1939 aerial photograph has very poor resolution but shows at least three buildings at this location (Figure 19). Four additional buildings, totaling seven, are visible on the 1951 aerial, including what appears to be a house, a large barn, and five smaller outbuildings.

The farmstead covers a fairly large area that is vegetated in very dense scrub and briars surrounded by open hardwoods (Figure 20). Due to nearly impenetrable vegetation, the reconnaissance survey was limited to a pedestrian survey around the site's perimeter and portions of its interior. The remains of three buildings were identified, including a sandstone and concrete house foundation and cellar, a concrete root cellar, a large concrete cistern, and a stone-lined well. It is likely that numerous other foundation remains and other features are located within this site. To properly document the architectural and other potential archaeological remains, the site area must be cleared of its vegetation.

Location #22
1939 Aerial



Location #22
1951 Aerial



Figure 19. 1939 and 1951 aerial photographs showing Location #22.

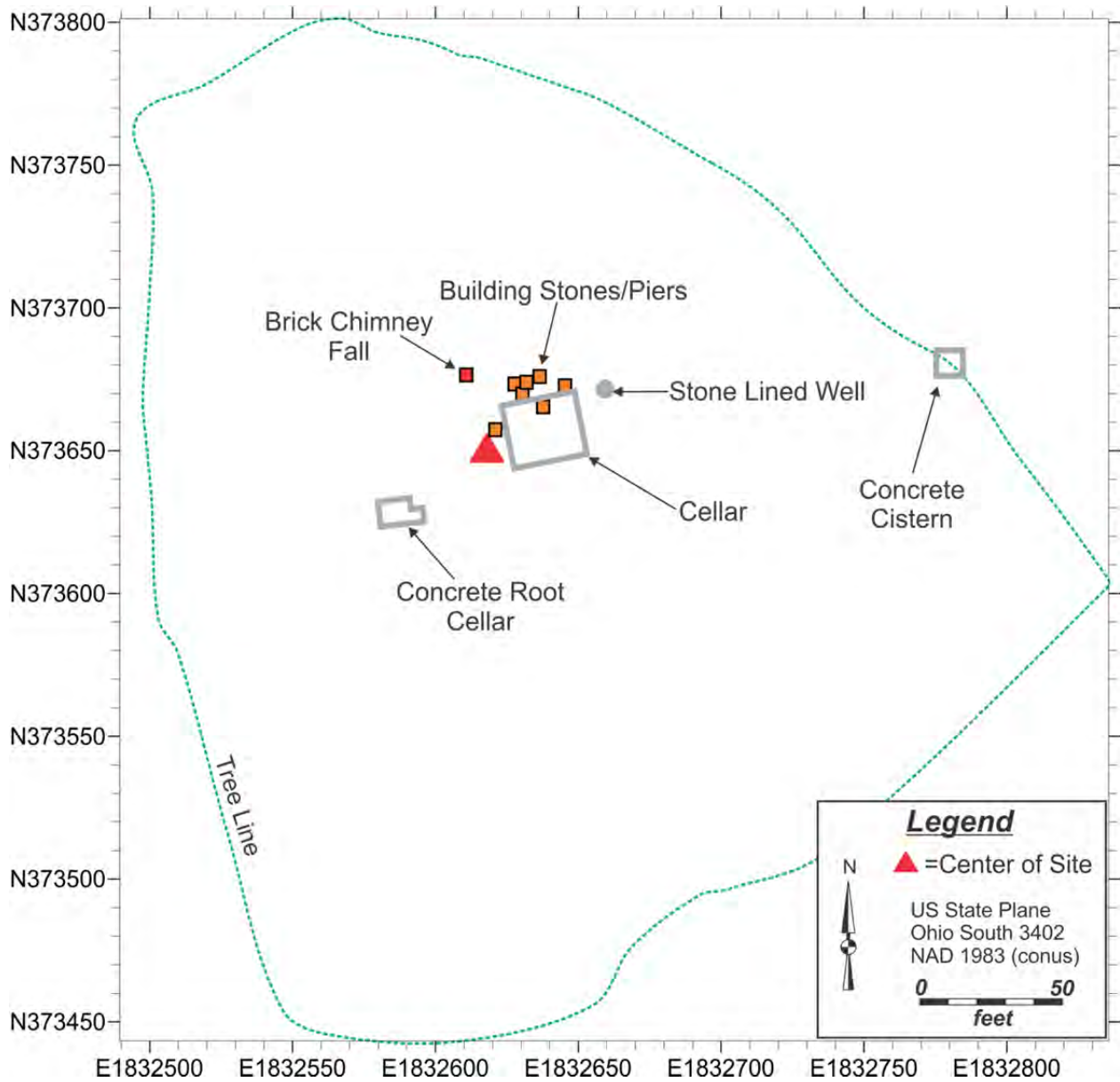


Figure 20. Schematic illustration of Location #22 (33Pk318).

Location #24
OAI/OHI 33Pk189/PIK 206-9 (Schweikart et al 1997)
Mount Gilead Cemetery

NAD 1927 Zone 17 UTM Coordinates	N4320758	E327893
NAD 1983 US State Plane Coordinates	N372186	E1829891

Landform: Ridge
Elevation: 731 ft AMSL
Soils: Coolville silt loam, 8-15% slope
Estimated Site Size: ~21,500 square ft

Location #24 is a church foundation located within the Mount Gilead Cemetery, which was documented by ASC Group during the 1997 Phase I archaeological survey (Schweikart et al. 1997) (Figures 1-3). The 1997 survey documented a set of large sandstone block piers on the east side of the cemetery. A church is indicated near this area on the c. 1905 Oil & Gas map and the USGS topographic map, and the 1939 and 1951 aerial photographs show a clearing that demarks the cemetery (Figure 21). The reconnaissance survey re-examined this location because the Oil & Gas map indicated a church located well to the south of the cemetery parcel. Since it is possible that the church was moved from one location to other, the reconnaissance survey was conducted to evaluate the possibility of a second, earlier church site.

The terrain in the reconnaissance survey area is a broad, south-facing slope leading to a shallow draw to the south and a ridgetop to the north and east. Vegetation consists of hardwoods and pine with patches of dense undergrowth.

A pedestrian survey supplemented with shovel testing was conducted over the landform south of the cemetery in an effort to identify evidence of a church yard and foundation. Shovel tests were excavated on a 15 m by 30 m grid (Figure 22). Since this survey did not locate foundation remains or artifacts in this area, it was concluded that the church was inaccurately positioned on the Oil & Gas map—a rare occurrence since most of the buildings on these maps are accurately located. No further work is recommended for Location #24 (33Pk189/PIK 206-9).

Location #24
1939 Aerial



Location #24
1951 Aerial



Figure 21. 1939 and 1951 aerial photographs showing Location #24.

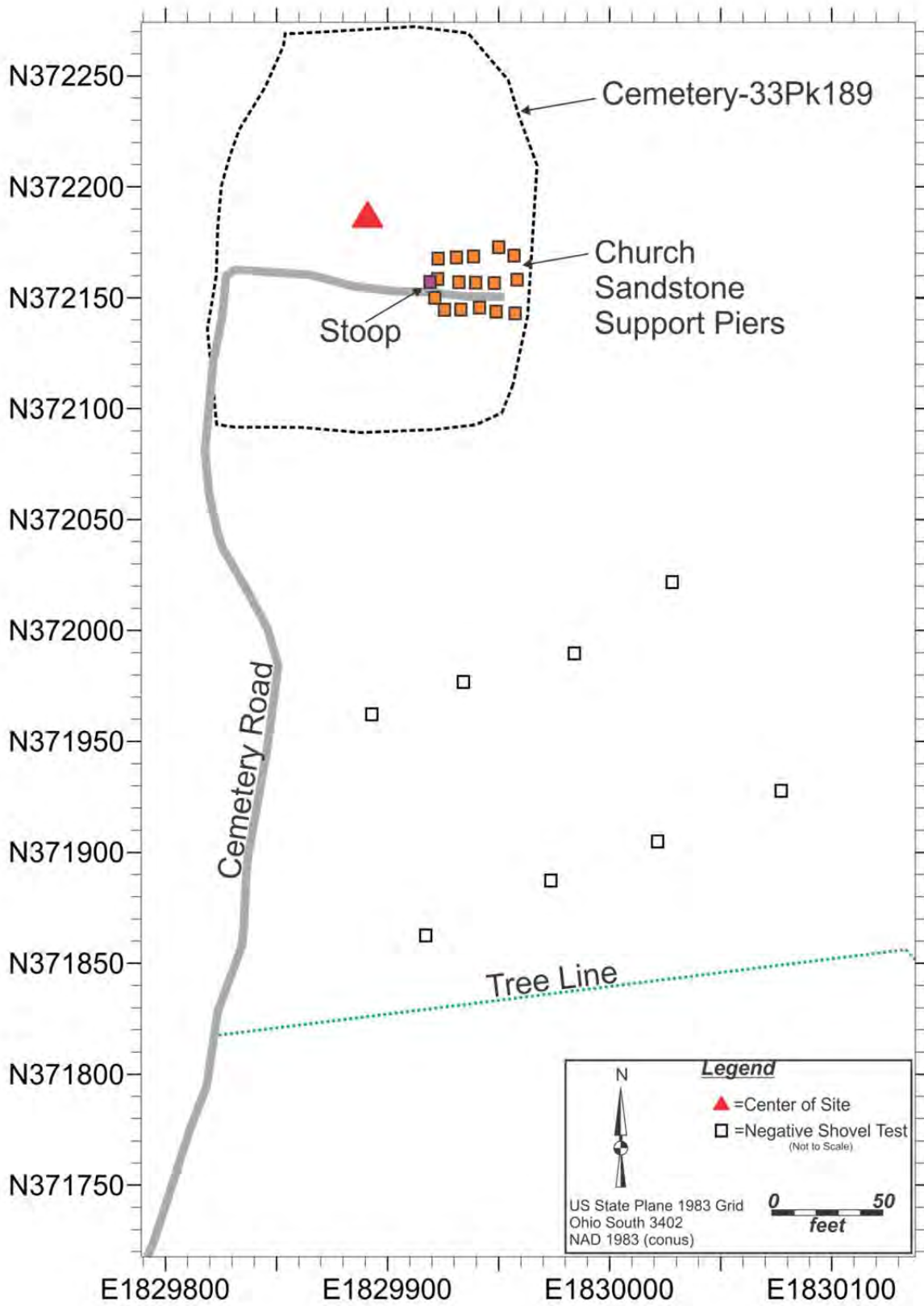


Figure 22. Schematic illustration of Location #24 (33Pk189/PIK 206-9).

Location #43
OAI 33Pk319

NAD 1927 Zone 17 UTM Coordinates	N4320968	E327830
NAD 1983 US State Plane Coordinates	N372870	E1829673

Landform: Toe-Ridge
Elevation: 645 ft AMSL
Soils: Latham-Wharton silt loam, 15-25% slopes
Estimated Site Size: ~4000 square ft

Location #43 is situated on the end of a ridge overlooking a tributary of Little Beaver Creek in the northeastern portion of PORTS (Figures 1-3). No buildings are indicated in this area on the c. 1905 Oil & Gas map or on the 15" USGS topographic map. The 1939 aerial photograph shows at least one building and the 1951 aerial shows two buildings, one on either side of the road (Figure 23). The building on the west side of the road appears to be a house and the building on the east side of the road seems to be an outbuilding.

The reconnaissance survey for Location #43 involved a pedestrian survey along the slope to the west of Fog Road. The area on the east side of the road has been severely modified from what appears to be a landfill and has no chance for containing archaeological deposits. The surveyed area on the west side of the road is relatively steep and is vegetated in hardwoods (Figure 24). A very large and deep, abandoned road cut was found to pass diagonally along the slope and through the ridgetop, south of this location. On the north end is a small, relatively flat toe ridge vegetated in dense scrub and briars. A large push pile and remnants of a road cut were also observed in this area.

Five shovel tests were excavated at 15 meter intervals on a small flat area east of the push pile. All but one, shovel test #1, revealed mottled rocky subsoil or a shallow, 10 cm thick brown silt loam surface soil over rocky subsoil. Shovel test #1 revealed a 25 cm thick, brown silt loam with historic-era artifacts. These artifacts include four whiteware sherds, two container glass sherds, and two pieces of window glass. Most of the whiteware is undecorated, but one sherd has a red transfer print design (Figure 12), which has a production date of ca. 1818-1880 (Samford 1997).

The results of the reconnaissance survey determined that a small remnant of the farmstead at this location remains intact while the rest of the site has been taken by the Fog Road realignment and other surface disturbances. No additional work is recommended for Location #43 (33Pk319).

Location #43
1939 Aerial

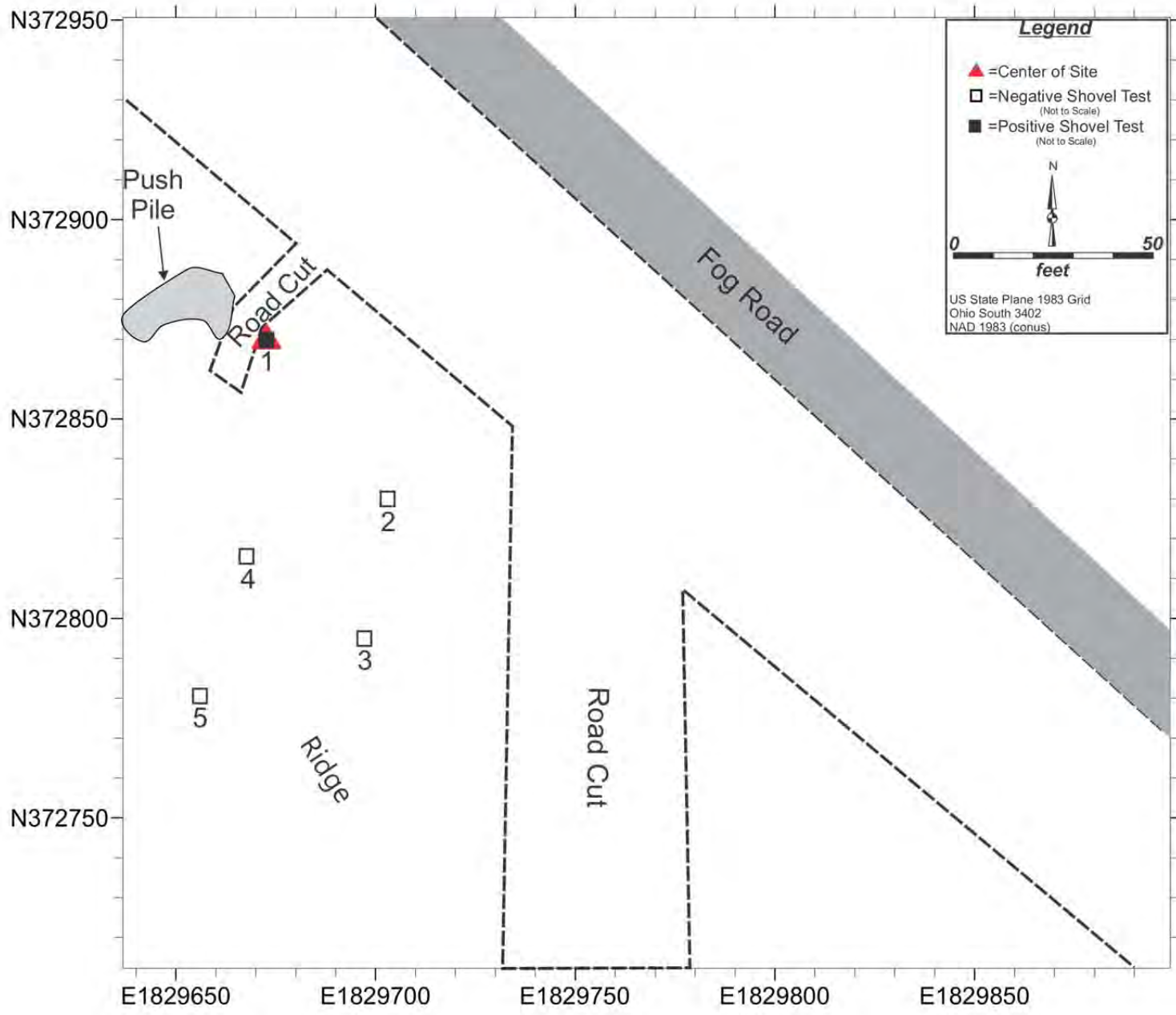


Location #43
1951 Aerial



Figure 23. 1939 and 1951 aerial photographs showing Location #43.

Figure 24. Schematic illustration of Location #43 (33PK319).



Locations without Archaeological Remains

Five of the fifteen historic-era building locations investigated by Ohio Valley Archaeology, Inc. were found to lack archaeological remains (Location #11, #12, #18, #23, and #44). In most cases, the lack of archaeological remains is due to massive earth moving or other land modifications such as the construction of a sludge lagoon, earth borrowing, and creek realignment. Because these locations no longer contain archaeological remains, they are not eligible for the Ohio Archaeological Inventory.

Location #11 No OAI

NAD 1927 Zone 17 UTM Coordinates	N4321816	E328746
NAD 1983 US State Plane Coordinates	N375701	E1832634

Landform: Toe-Ridge
Elevation: 686 ft AMSL
Soils: Latham-Wharton silt loam, 15-25% slopes
Estimated Site Size: n/a

Location #11 is situated in the northeastern portion of PORTS near or within the head of the hollow that forms the northeast edge of the sludge lagoon (Figure 12). A building is indicated in this area on the c. 1905 Oil & Gas map and on the 15" USGS topographic map but not on the later 1939 and 1951 aerial photographs (Figure 25) or on the 1952 AEC Real Estate Easement map.

The reconnaissance survey involved a pedestrian survey that encompassed a 200 m by 200 m area and extended from the bank of the sludge lagoon and northward on a series of toe-ridges that are divided by narrow steep draws. Vegetation in this area includes grasses and scrub growth along the shore and open hardwoods on the interior ridges. Several abandoned roads were observed and mapped within this location (Figure 26).

Seven shovel tests were excavated on three toe-ridges within the vicinity of Location #11. These revealed a 10 cm thick, brown rocky silt loam over a yellowish brown rocky silt loam subsoil. No artifacts were encountered in the shovel tests.

Although no artifacts or foundation remains were identified at this location, a single brick was found in the stream bottom and a fence post with a porcelain insulator was mapped near the shore-line. How these two items articulate with a farmstead site cannot be determined. It is possible that the house/building at Location #11 was inundated by the sludge lagoon, since the locational coordinates place it near or within the water where the landform is flatter and more suitable for a house seat. It is unlikely that additional work at Location #11 would result in the identification of an archaeological site.

Location #11
1939 Aerial

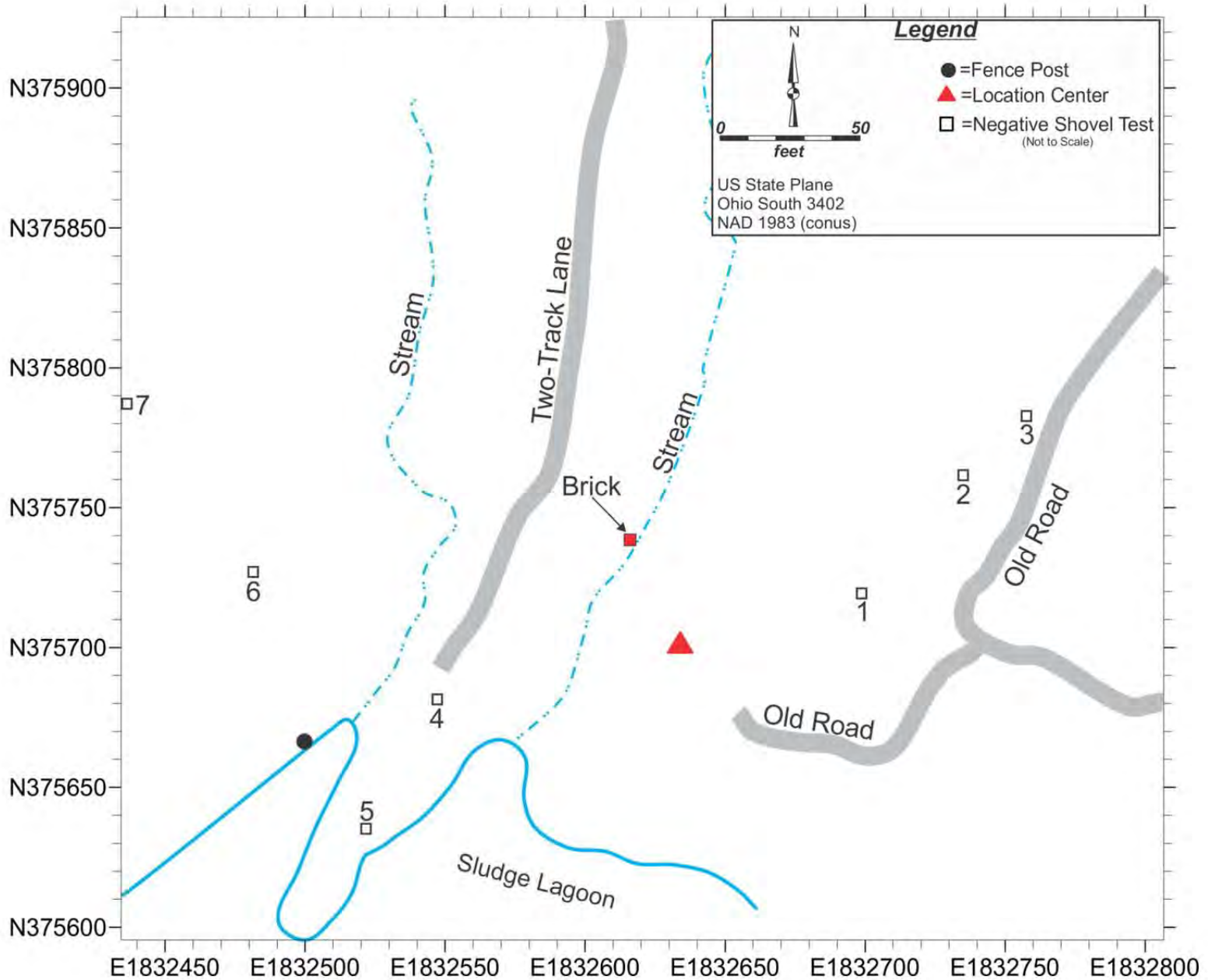


Location #11
1951 Aerial



Figure 25. 1939 and 1951 aerial photograph showing Location #11.

Figure 26. Schematic illustration of Location #11.



Location #12
No OAI

NAD 1927 Zone 17 UTM Coordinates	N4321630	E328616
NAD 1983 US State Plane Coordinates	N375086	E1832216

Landform: Toe-Ridge
Elevation: 693 ft AMSL
Soils: Latham-Wharton silt loam, 15-25% slopes
Estimated Site Size: n/a

Location #12 is situated in the northeastern portion of PORTS near or within the head of the hollow that forms the south shore of the eastern end of the sludge lagoon (Figure 12). The terrain in this area is characterized by a moderately steep toe-slope flanked by narrow and steep-sided draws on the east and west sides. The toe-ridge becomes flatter as it extends northward into the sludge lagoon. Vegetation grades from grasses and briars in the area closest to the shoreline to thick scrub-growth, pines, and few hardwoods towards the uplands.

Buildings are indicated in this area on the c. 1905 Oil & Gas map, the 15" USGS map, the 1939 and 1951 aerial photographs, and on the 1952 AEC Real Estate Easement map. The 1939 aerial shows at least three buildings, including what appears to be a house and two smaller outbuildings (Figure 27). All three buildings are also visible on the 1951 aerial, in addition to three other small outbuildings. The real estate map indicates a building at this location on a 8.25-acre property that was owned by Ann Wynn Crace in 1952.

The reconnaissance survey involved a pedestrian survey that encompassed a 200 m wide area extending for approximately 100 meters from the bank of the sludge lagoon and southward up the slope of the toe-ridge. Five shovel tests were excavated parallel to the shore of the sludge lagoon along the foot of the toe-slope (Figure 28). These revealed a 15 cm deep brown stony silt loam over a yellowish brown stony silt loam. No artifacts were found in the shovel tests.

It is possible that the Location #12 farmstead is inundated by the sludge lagoon, since the locational coordinates place it near or within the water where the toe-ridge is flatter and extends into the lagoon. It is unlikely that additional work at Location #12 would result in the identification of an archaeological site.

Location #12
1939 Aerial

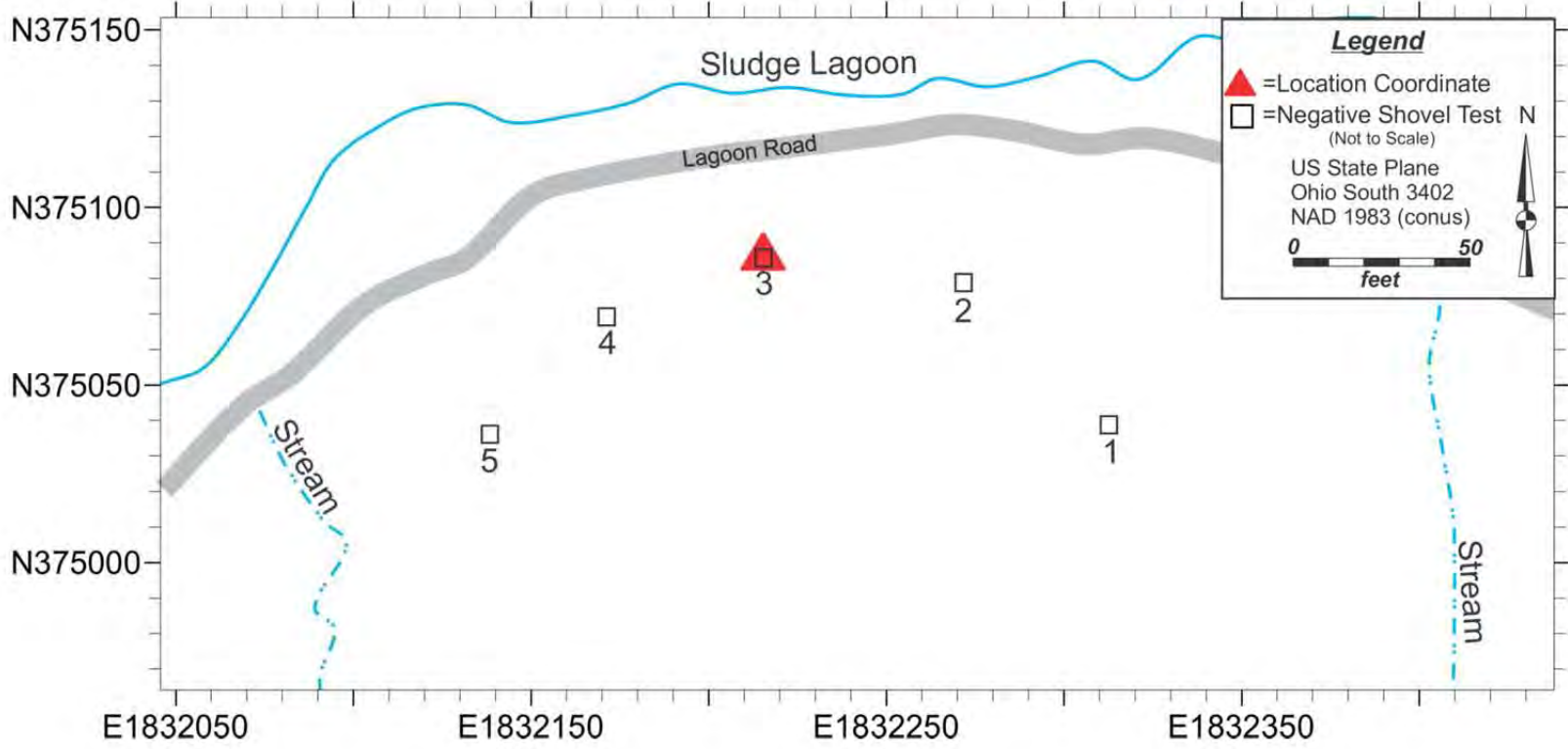


Location #12
1951 Aerial



Figure 27. 1939 and 1951 aerial photographs showing Location #12.

Figure 28. Schematic illustration of Location #12.



Location #18
No OAI

NAD 1927 Zone 17 UTM Coordinates	N4321315	E327526
NAD 1983 US State Plane Coordinates	N373993	E1828659

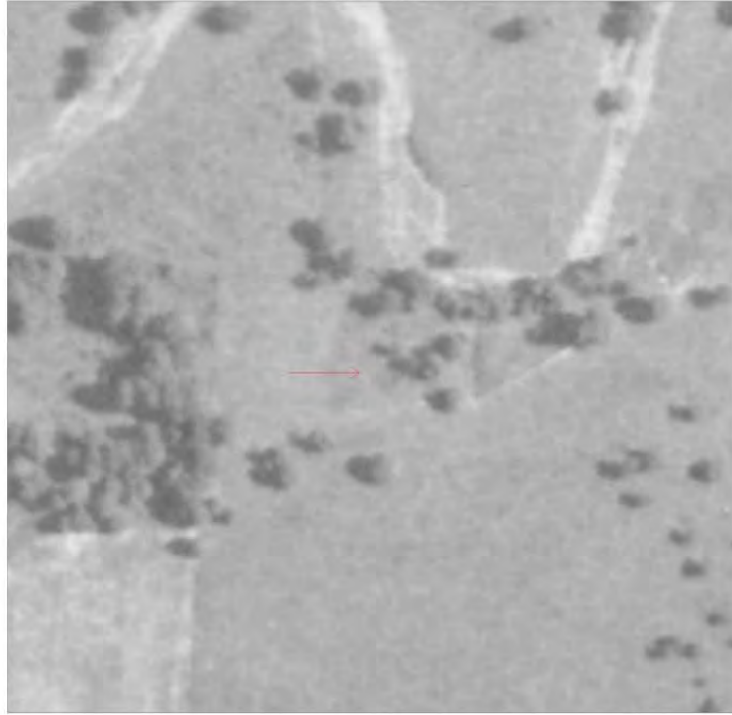
Landform: Bench/Ridgetop
Elevation: 711 ft AMSL
Soils: Rarden silt loam, 8-15% slopes
Estimated Site Size: n/a

Location #18 is situated on a bench/ridgetop overlooking Little Beaver Creek in the north-central part of the PORTS facility (Figures 1-3). One building is indicated at this location on the c. 1905 Oil & Gas map and on the 15" USGS topographic map. No buildings are visible at this location on the 1939 and 1951 aerial photographs (Figure 29). The USGS map shows the building to be on a broad bench below a higher knob. The current landscape is significantly different than when the USGS map was created and it appears that the ridgetop is truncated to at least the elevation of Location #18. North of this area is very steep slope, running through which is a power line corridor. No buildings were indicated in this area on the later maps of the aerial photographs.

The reconnaissance survey involved a broad-scale pedestrian survey to locate a topographic bench area with a possible house seat (Figure 30). The only potential house seat, or flat area, observed is the ridge top, which is vegetated in pines and scrub-growth. The ridge is very flat and solid bedrock was frequently observed on the surface. Nine shovel tests were excavated at 15 meter intervals along the bluff, revealing a rocky, mottled, clayey subsoil. The lack of A-horizon soils and the presence of exposed bedrock demonstrate that the landscape has been greatly altered.

No evidence of an archaeological site was identified in the vicinity of Location #18. This survey concludes that site has been completely removed by massive earthmoving.

Location #18
1939 Aerial



Location #18
1951 Aerial

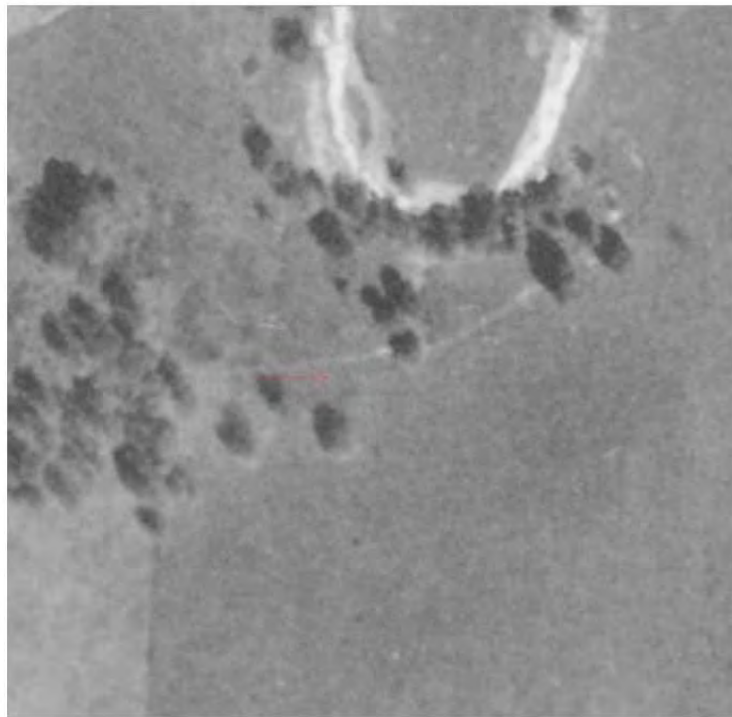
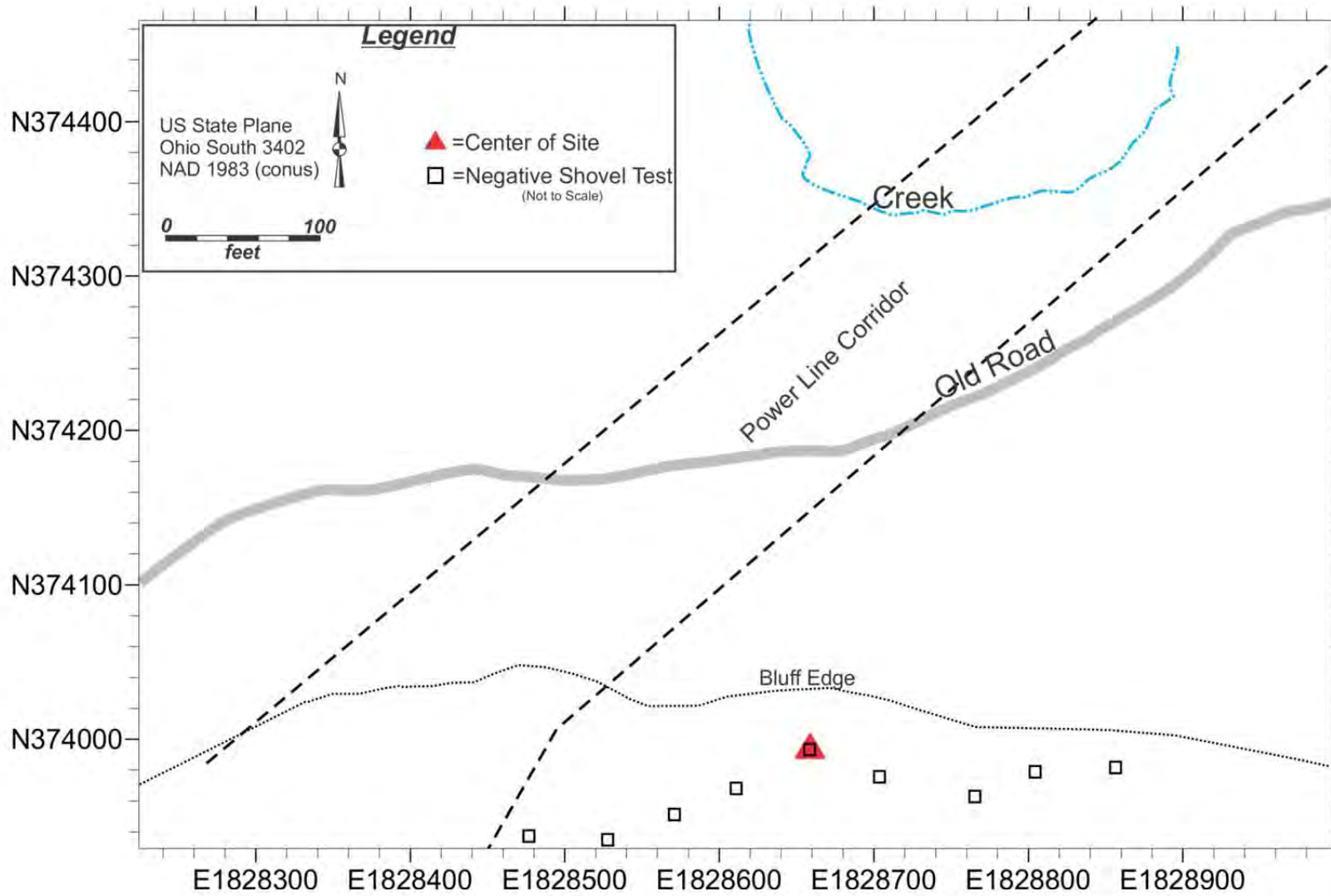


Figure 29. 1939 and 1951 aerial photographs showing Location #18.

Figure 30. Schematic illustration of Location #18.



Location #23
No OAI

NAD 1927 Zone 17 UTM Coordinates	N4320935	E328171
NAD 1983 US State Plane Coordinates	N372782	E1830793

Landform: Bench/Terrace
Elevation: 644 ft AMSL
Soils: Omulga silt loam, 3-8% slopes
Estimated Site Size: n/a

Location #23 is situated along Little Beaver Creek in the eastern part of the PORTS facility (Figures 1-3). A single building is indicated at this location on the c. 1905 Oil and Gas maps and the 15" USGS topographic quadrangle, but no buildings are visible on the 1939 and 1951 aerial photographs or on the 1952 AEC Real Estate Easement map. A light colored smudge within a plowed field on both aerial photographs suggests the former location of a possible building complex, though no buildings are visible (Figure 31). The lack of buildings on the aerial photographs suggests that the house was removed after the USGS map was made and before 1939. Although the house is not indicated on the 1952 AEC Real Estate map, its location is within a 13.25-acre parcel that was last owned by Arthur Farmer.

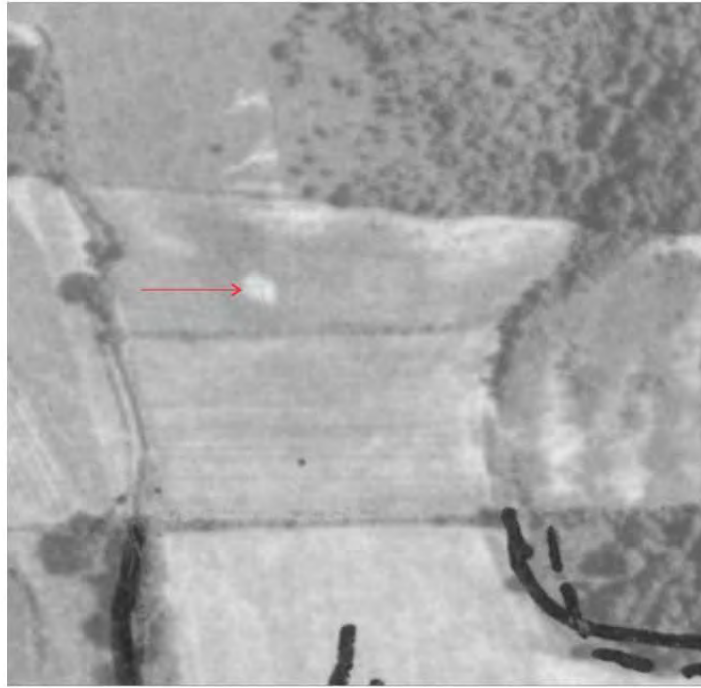
The reconnaissance survey involved a pedestrian survey that examined the entire area from the uplands on the east side to Little Beaver Creek on the west side. Most of the surface area along the creek is flat to undulating with small ridges and knolls separated by low wet areas. Vegetation consists of scrub growth and dense undergrowth (Figure 32).

Within the vicinity of the locational coordinates provided to facilitate the survey is a slightly elevated ridge that is oriented perpendicular to the creek. On the north side of the ridge, the terrain becomes very broad, flat, and slightly elevated. Adjacent to the stream bank is what appears to be a man-made levee. Much of the landscape within the investigated area appears to be modified.

Nine shovel tests were excavated at 15 meter intervals along the ridge and on two smaller elevated knolls to the south (Figure 32). These revealed either a 10-15 cm thick pale brown silt loam over a gray to light brownish gray silt loam or a mottled yellowish brown and light brown silt and clay. No artifacts were recovered.

The house at Location #23 was demolished prior to 1939 and both historical aerial photographs show that the house site had been converted to agricultural field. It is likely that most of the foundation stone, at least to a certain depth, was removed from the site to facilitate cultivation. Although agricultural reclamation does not necessarily remove archaeological sites, it probably had an effect on whatever archaeology may have existed. Regardless of the impact of agricultural plowing, field observations suggest that the landscape was heavily modified after the 1951 aerial photograph was taken. The failure to locate artifacts in the shovel tests indicates that any archaeological deposits associated with Location #23 have either been removed or are buried by sedimentation or man-made earth moving.

Location #23
1938 Aerial



Location #23
1951 Aerial



Figure 31. 1939 and 1951 aerial photographs showing Location #23.

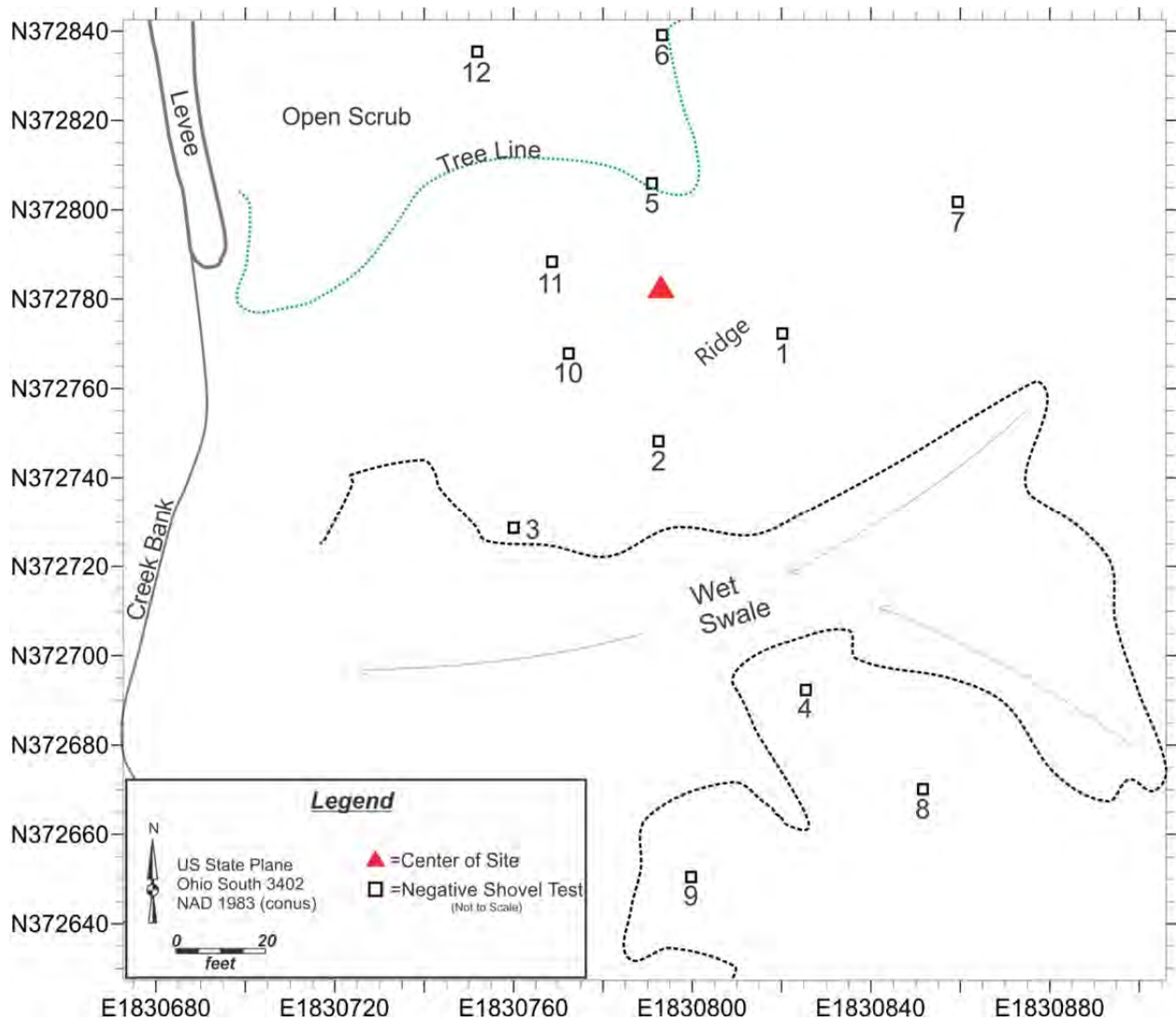


Figure 32. Schematic illustration of Location #23.

Location #44
No OAI

NAD 1927 Zone 17 UTM Coordinates	N4321303	E327973
NAD 1983 US State Plane Coordinates	N373978	E1830126

Landform: Terrace/Valley Floor
Elevation: 633 ft AMSL
Soils: Omulga silt loam, 3-8% slopes
Estimated Site Size: n/a

Location #44 is situated in the broad valley of Little Beaver Creek in the east central part of the PORTS facility (Figures 1-3). Buildings are indicated in this area on the c. 1905 Oil & Gas map, the 15" USGS topographic map, and the 1939 and 1951 aerial photographs, but none are indicated on the 1952 AEC Real Estate Easement map. The 1939 aerial photograph shows at least three buildings, including a house or barn, and a small outbuilding east of County Road 30 (Fog Road) (Figure 33). Three buildings are also indicated on the 1951 aerial, but only one of these corresponds with the 1939 locations. While no buildings are indicated on the 1952 AEC Real Estate Easement map, the location is on what was then a 96-acre property owned by Thomas O. Zimmerman.

The reconnaissance survey at Location #44 involved a pedestrian survey and limited shovel testing. A notable change to the landscape in this area made since the 1938 and 1951 aerial photographs were taken is that Little Beaver Creek has been rechanneled diagonally through what was then the farmstead (Figure 34). Whereas the creek once paralleled County Road 30, it is now diverted to accommodate a large earthen structure (filled in pond) located to the south. What remains today is a small triangular wooded area bound by Little Beaver Creek on the southwest side and a pipeline corridor on the north side. Seven shovel tests were excavated at 15 meter intervals along the western part of the wooded area and northward into the pipeline corridor. Shovel tests #1 -5 revealed a brown silt loam that extends to at least 30 cm below surface. Shovel tests #6 -7, in the pipeline corridor, revealed heavily disturbed soils with no A-horizon.

No artifacts or architectural remains were found within Location #44. It appears that the landscape has been heavily modified and it is possible that the two southern most building locations indicated on the aerial photographs have been disturbed by the new creek channel or are located south of the current channel underneath the filled-in pond/landfill. Regardless, Location #44 does not contain an archaeological site.

Location #44
1938 Aerial



Location #44
1951 Aerial



Figure 33. 1939 and 1951 aerial photographs showing Location #44.

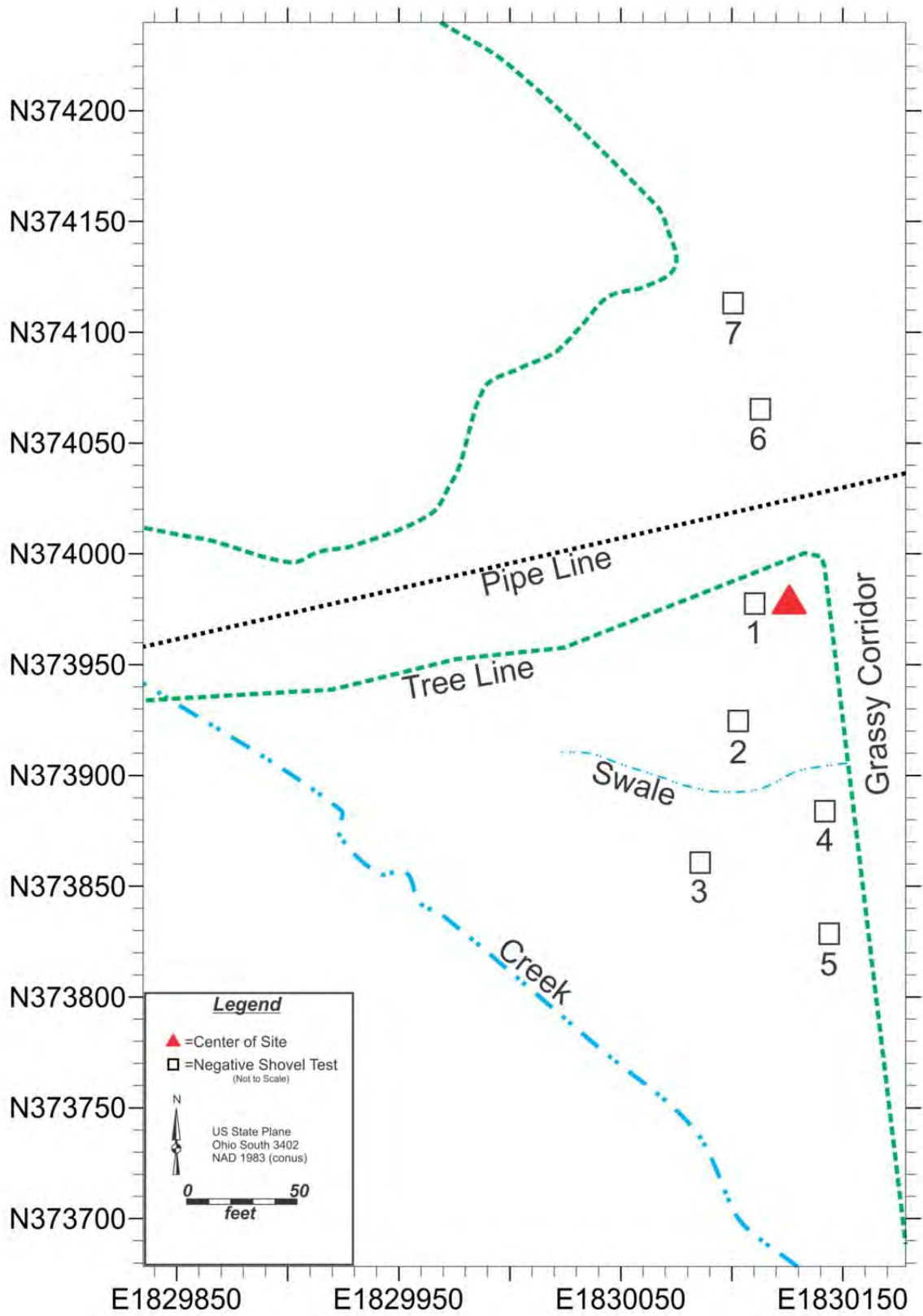


Figure 34. Schematic illustration of Location #44.

SUMMARY AND RECOMMENDATIONS

The reconnaissance survey focused on 15 historic-era building locations identified by Ohio Valley Archaeology, Inc. during a historical map resource review of the 3,777 acre PORTS facility in Pike County. Twenty five additional locations, totaling 40, were investigated concurrently with this survey by ASC Group and Gray & Pape. The purpose of the reconnaissance survey was simply to determine if these locations contain archaeological remains. Specifically, the goals of the reconnaissance were to (1) visit the building locations and evaluate the presence or absence of archaeological remains, (2) make a cursory documentation of archaeological remains when found, (3) obtain field-generated GPS coordinates, (4) account for the absence of archaeological remains when none were found, (5) complete Ohio Archaeological Inventory forms for locations that contain archaeological remains, and (6) make recommendations regarding additional archaeological documentation and evaluation for locations that contain archaeological remains.

Table 2 summarizes the findings and recommendations of the reconnaissance survey of the 15 historic-era building locations reported here (Figures 1-3). The survey found that five locations (Location #11, #12, #18, #23, and #44) are completely destroyed and no longer contain archaeological remains. Locations #11 and #12 are probably inundated by the sludge lagoon. Location #18 was a house site that was situated on a bench off the north side of a knob. The entire ridgetop to below the bench in this area has been removed. Location #23 was a house site located on a small property owned by Henry Shy, a prominent individual in local history. Despite a fairly intensive shovel testing effort, no archaeological deposits were identified at this location. The 1939 aerial photograph indicates that the house seat was converted into a cultivated field at this time. The reconnaissance survey also observed considerable land modification, including a man-made levee along the creek northwest of the location center point. It is evident that this site has been completely removed by earthmoving activities. Location #44 also lacks archaeological remains. It is evident that Little Beaver Creek was diverted through the southern part of this location to accommodate a landfill to the south. A pipeline corridor passes through the northern side. It appears that all archaeological remains at Location #44 have been removed.

Archaeological remains were encountered at 10 of the 15 locations examined in this survey (Table 2). Five of these, Locations #13, #14, #21, #22, and #24, are in fair to good condition, and four of these locations should be investigated further at a Phase I survey level. Location #24 is a church foundation located within the Mr. Gilead Cemetery (33Pk189). This cemetery was documented in 1997 by ASC Group (Schweikart et al. 1997). Although no additional work is recommended for this site, consultation efforts should continue regarding protection measures for this resource.

Location #13 (33Pk311) is a farmstead and is in good condition with a house foundation, a barn foundation, an outbuilding foundation, a retaining wall, a well, two cisterns, and a stone septic system. The site area is likely to contain other architectural remains not identified during this survey effort.

Location #14 (33Pk312) is in fair condition and contains a stone-lined well, a possible root cellar, and a collection of displaced building stone. The site area is covered with very dense vegetation, but it is likely that it contains other architectural remains in addition to artifacts.

Location #21 (33Pk317) contains a house seat with building stone and a fairly rich artifact assemblage, including prehistoric Native American artifacts. This site probably contains

additional architectural and artifact remains that could not be detected during this survey effort due to the dense vegetation cover.

Location #22 (33Pk318) is a very large farm complex with a house foundation and cellar, an external root cellar, a well, and a cistern. The site area is covered in dense, impenetrable vegetation, so it probably contains additional architectural remains that were not detected during this survey.

The five remaining locations (Locations #16, #17, #19, #20, and #43) are in very poor condition and represent only fragments of farmsteads, house sites, and a church site. Location #16 (33Pk313) is represented by a bank cut, a single yucca plant, a rock pile, and a small artifact assemblage. The bank cut is possibly a barn seat, though no foundation material was encountered. The aerial photographs show what appears to be a house downslope from the bank cut—now inundated by the sludge lagoon.

Location #17 (33Pk314) is the Ferree Church location, situated in a small piece of relatively undisturbed land. The site contains a cinderblock foundation at the location of a building visible on the aerial photographs. South of the foundation is a scatter of large sandstone blocks that may represent displaced building stone from an earlier church foundation. Conversely, the sandstone blocks may also be left over from a nearby bridge replacement.

Location #19 (33Pk315) was once a fairly large farm complex located on the north edge of Perimeter Loop Road. The entire toe-ridge land form has been modified for drainage, a power line, and road construction. Two roadways that flank either side of the ridge and one, along the west side, probably took most of the house seat and some of the outbuildings. Fairly extensive shovel testing in this area revealed heavily mottled, fill-like soils. A small pocket of ground containing artifacts was found on the west side of the ridge, probably in close proximity to the house seat.

Location #20 (33Pk316) is a house seat location in an area that is heavily dissected and apparently disturbed. Shovel tests excavated in this area revealed a rocky, mottled surface soil layer and no artifacts. It is doubtful that the house seat was actually found during the reconnaissance survey, but a fairly large pile of sandstone building material was documented. Most of the stone is large block and is possibly from an old bridge nearby that was replaced for the Fog Road realignment rather than a house foundation. An OAI was assigned to the location due to the presence of the stone, not the buildings observed on the historical maps and photographs.

Location #43 (33Pk319) once contained at least two buildings, including what appears to be a house on the end of a ridge leading to the valley floor. The second building was located on the valley floor in an area that has been covered by X-611A. The house seat is heavily disturbed and contains a push pile adjacent to an old road or drive. No architectural remains were encountered, but one of five shovel tests produced artifacts. The remaining shovel tests revealed a rocky mottled subsoil at the surface or a very shallow A-horizon. It was determined in this investigation that this site has been nearly completely compromised by various earth-moving activities.

In summary, additional archaeological documentation is recommended for four historic-era sites (33Pk311, 33Pk312, 33Pk317, and 33Pk318) found at Locations #13, #14, #21, and #22. This recommendation is based largely on the observation that these sites are in fair to good condition and are likely to contain substantial archaeological remains. These sites have the potential to yield archaeological information that would contribute to our understanding of the larger population of PORTS-area farmstead sites. If additional work is conducted at these

locations, it is highly recommended that they be cleared of vegetation to facilitate archaeological documentation.

Location #24, site 33Pk189 (Mt. Gilead Church and Cemetery), is also in good condition, but has already been adequately documented (Schweikart et al. 1997). However, further consultation with the Ohio Historic Preservation Office is recommended regarding the future treatment of the cemetery.

No additional work is recommended for the remaining 10 locations, either because they no longer contain archaeological remains and thus are not considered to be archaeological sites, or because they are heavily damaged and are now mere fragments of historic-era archaeological sites.

Table 2. Summary of conditions and recommendations for 15 historic-era building locations evaluated by Ohio Valley Archaeology, Inc.

Location #	OAI #	Name	Northing	Easting	Condition	Recommendations
11	n/a		375701	1832634	destroyed	No additional work
12	n/a		375086	1832216	destroyed	No additional work
13	33Pk311	Brodess	375719	1832216	good	Phase I survey
14	33Pk312		375614	1831239	fair-good	Phase I survey
16	33Pk313		374591	1831459	poor	No additional work
17	33Pk314	Ferree Church	374213	1829804	poor	No additional work
18	n/a		373993	1828659	destroyed	No additional work
19	33Pk315		373479	1827855	poor	No additional work
20	33Pk316		373608	1829479	poor	No additional work
21	33Pk317		374108	1833859	fair-good	Phase I survey
22	33Pk318		373651	1832618	good	Phase I survey
24	33Pk189	Mt. Gilead Church and Cemetery	372186	1829891	good	Fully documented in Schweikart 1997 No additional work
23	n/a		372782	1830793	destroyed	No additional work
43	33Pk319		372870	1829673	poor	No additional work
44	n/a		373978	1830126	destroyed	No additional work

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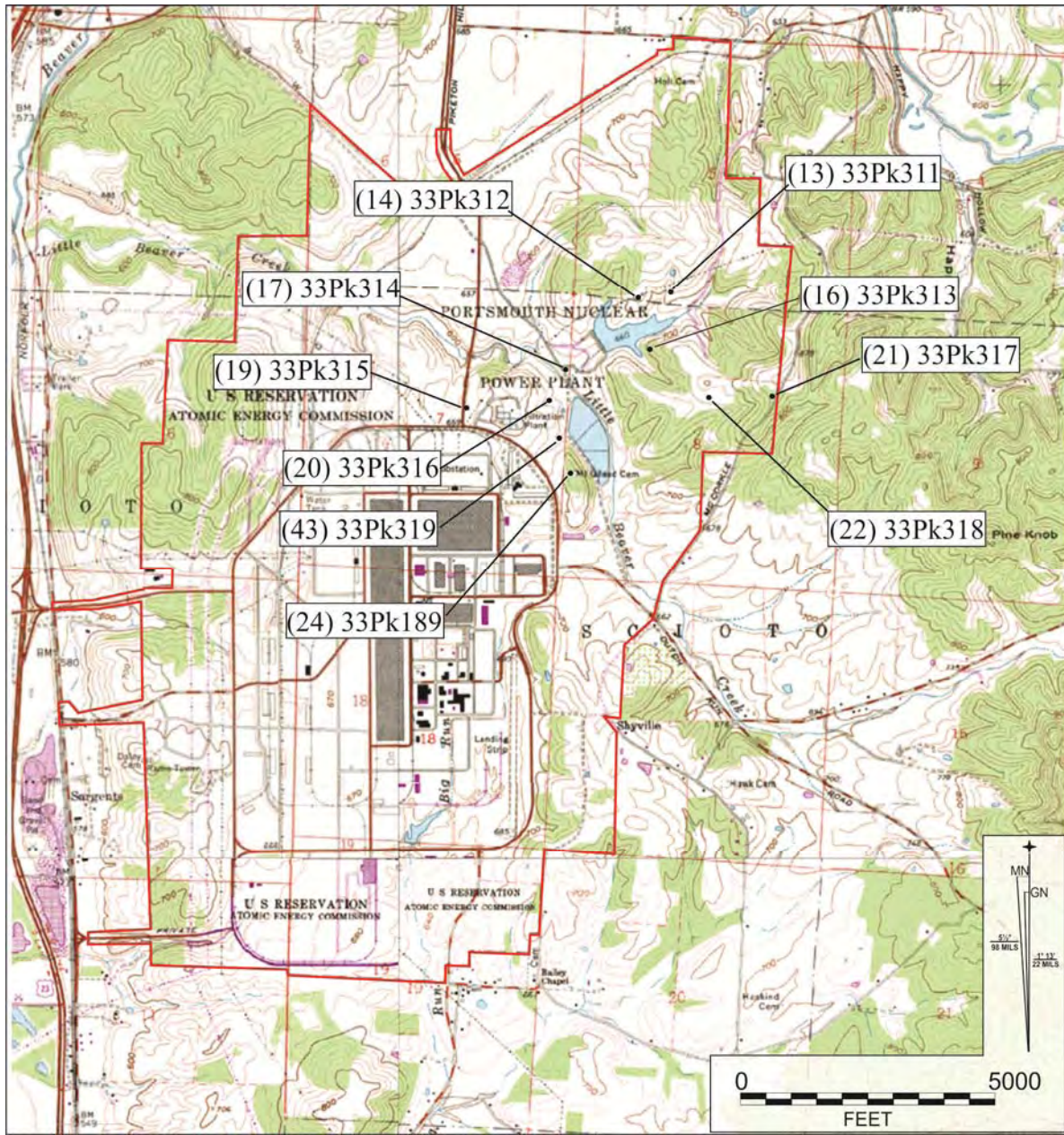


Figure 35. 7.5" USGS topographic map showing archaeological sites documented by Ohio Valley Archaeology, Inc.

REFERENCES

Samford, Patricia M.

- 1997 Response to a Market: Dating English Underglaze Transfer-Printed Wares. *Historical Archaeology*, 31(2):1-30.

Schweikart, John F., Kevin Coleman, and Flora Church

- 1997 Phase I Archaeological Survey for the Portsmouth Gaseous Diffusion Plant (PORTS Facility) in Scioto and Seal Townships, Pike County, Ohio. Report submitted to Lockheed Martin Energy Systems, Inc.

OVAI Contract Report #2011-49

PRELIMINARY RECONNAISSANCE SURVEY FOR FIFTEEN HISTORIC-ERA
STRUCTURE LOCATIONS WITHIN THE PORTSMOUTH GASEOUS DIFFUSION PLANT
(PORTS), PIKE COUNTY, OHIO

VOLUME II: OHIO ARCHAEOLOGICAL INVENTORY FORMS

By

Albert M. Pecora, Ph.D.

August 4, 2011

Ohio Valley Archaeology, Inc.

4889 Sinclair Road, Suite 210

Columbus, Ohio 43229

www.ovactd.com

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By

Albert M. Pecora, Ph.D.

Prepared for:

Fluor-B&W Portsmouth LLC
P.O. Box 548
Piketon, Ohio 45661

Prepared by:

Ohio Valley Archaeology, Inc.
4889 Sinclair Road, Suite 210
Columbus, Ohio 43229
(614) 436-6926

Albert M Pecora

Albert M. Pecora Ph.D., RPA
Principal Investigator
August 4, 2011

This volume contains Ohio Archaeological Inventory forms for nine historic-era archaeological sites documented during a reconnaissance survey of 15 historic structure locations by Ohio Valley Archaeology, Inc., in July of 2011. The report text associated with these forms is provided in Volume I of this report.

These forms have not been submitted to the Ohio Historic Preservation Office. Once permission is granted by the Department of Energy, these forms will be submitted electronically to the Ohio Historic Preservation Office.

Ohio Historic Preservation Office
 567 East Hudson Street
 Columbus, Ohio 43211-1030
 614/297-2470
 Fax: 297-2496



REC'D BY OHHP SEP 23 2005

*Site No. 33 - PK - 189

Reviewed & Corrected
 Date 8/12/09 By BC

OHIO ARCHAEOLOGICAL INVENTORY

for official use only

*Response required for acceptance of form

Coder _____
 Date _____

A. Identification

*1. Type of Form (select as many as appropriate):

New Form _____ Revised Form _____ Transcribed Data _____

2. County Pike *3. Trinomial State Site Number 33 - PK - 189

4. Site Name (s) Mt. Gilead Cemetery

5. Project Site Number FS 6

6. Other State Site Number _____

7. Source (of Item A.5 and/or A.6.) ASC Group, Inc. Field Notes 1986-97
PORTS Projects

B. Location

*1. UTM Zone _____ 16 or 17

Easting 3 2 7 9 0 0

Northing 4 3 2 0 7 6 0

2. Latitude _____° _____'

Longitude _____° _____'

*3. Township 4N Range 21W Not Applicable _____

Section 8 ¼ Section: SW _____ SE _____ NW _____ NE _____

Township Name _____

*4. Quadrangle Name Velocity South

*5. Quadrangle Date 1992

*6. Confident of Site Location Yes _____ No

C. Ownership

*1. Name (s) Dept. of Energy Portsmouth Gaseous Diffusion Plant

Address Mail Stop 7617 3930 US 23 South

City/Town, State, Zip Piketon OH 45661

Phone (614) 897-6233

2. Tenant (if any) _____

Address _____

City/Town, State, Zip _____

Phone () _____

*3. Ownership Status (select only one, as appropriate):

_____ Private (single)

_____ Private (multiple)

_____ Local Govt.

_____ State Govt.

Federal Govt.

_____ Multiple Govt.

_____ Mixed-Govt./Private

_____ Unknown

D. Temporal Affiliations

*1. Affiliations Present (select only one, as appropriate):

_____ Prehistoric

Historic

Prehistoric and Historic

_____ Unknown

_____ Unrecorded

- Site No. 33 - PK - 189
 Plotted

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Prehistoric

*2. Prehistoric Temporal Period (s) Represented (select as many as appropriate):

- Unassigned Prehistoric Paleoindian
- Archaic: Unassigned Early Middle Late
- Woodland: Unassigned Early Middle Late
- Late Prehistoric Protohistoric Other (specify) _____

*3. Minimum Number of Prehistoric Temporal Periods Represented 1

*4. Basis for Assignment of Prehistoric Temporal Period (s) (select as many as appropriate):

- Diagnostic Artifacts Diagnostic Features Radiometric
- Unrecorded Other (specify) _____

5. Prehistoric Cultural Component (s) Represented (see manual):

- a. _____
- b. _____
- c. _____
- d. _____
- e. _____
- f. _____

6. Describe how Prehistoric Temporal Period (s) and Cultural Component (s) were determined (list diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features please specify Prehistoric Cultural Component (s) by using letter designations from Item D.5.

Researcher _____

*7. Categories of Prehistoric Materials Present at Site (select as many as appropriate):

- Lithics Ceramics Metal Faunal Remains Floral Remains
- Human Skeletal Remains Unrecorded Other (specify) _____

8. Specific Prehistoric Cultural Materials Collected:

Type	Count	Type	Count
Flake, Nodule, Cortex	1		

Historic

*9. Affiliation Present (select only one, as appropriate):

- Aboriginal Non-Aboriginal Both Undetermined

*10. Historic Temporal Period (s) Represented (select as many as appropriate):

- a. Pre-1795 b. 1796-1829 c. 1830-1849
- d. 1850-1879 e. 1880-1899 f. 1900-1929
- g. 1930-1949 h. 1950-1974 i. 1975-2000
- j. Historic k. 18th Century l. 19th Century
- m. 20th Century n. Historic Aboriginal

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*11. Minimum Number of Historic Temporal Periods Represented 5

*12. Basis for Assignment of Historic Temporal Period (s) (select as many as appropriate).

- Diagnostic Artifacts Diagnostic Architectural Remains
- Diagnostic Features Documentary Evidence Oral Tradition
- Unrecorded Other (specify) _____

13. Describe how Historic Temporal Period (s) were determined (list any diagnostic architectural remains, diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher) When listing artifacts and/or features specify Historic Temporal Period (s) by using letter designations from Item D.10.

Gravestone Markers with death dates ranging from 1847-1939

Researcher _____

*14. Functional Categories of Historic Materials Present at Site (select as many as appropriate):

- Kitchen Furniture Personal
- Toys & Games Printed Matter Religious/Ceremonial
- Military Weapons Transportation
- Architectural Misc. Hardware Const./Manufacturing Tools
- Agricultural Fuel/Energy Food Remains
- Clothing Unrecorded Unknown
- Other (specify) _____

15. Specific Historic Cultural Materials Collected:

Type	Count	Type	Count
<u>(See Continuation Sheet)</u>			
		<u>11</u>	

General

16. Describe Prehistoric and/or Historic Cultural Materials observed but not collected. State reason (s) for not collecting.

Tombstones

17. Affiliated Ohio Historic Inventory Site Number and Name:

P 1 K - 2 0 6 - 9 Mount Gilkead Cemetery

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E. Physical Description

- *1. Archaeological Setting (select only one, as appropriate):
 Rockshelter/Cave Open Unrecorded Unknown
 Submerged Other (specify) _____
- *2. Prehistoric Site Type (select as many as appropriate):
 Habitation: Camp Village Hamlet Unspecified Habitation
 Extractive: Quarry Workshop
 Ceremonial: Unspecified Mound Earth Mound Stone Mound
 Effigy Mound Mound Group Hilltop Enclosure
 Geometrical Earthwork Cemetery Isolated Burial (s)
 Petroglyph/Pictograph
 Other: Unknown Unrecorded Other (specify) _____
- *3. Historic Site Type (select as many as appropriate):
 Residential Commercial Social Government
 Religious Educational Mortuary Recreation
 Subsistence Industrial Health Care Military
 Transportation Unrecorded Unknown
 Other (specify) _____
- 4. State the bases on which site type assignment (s) were made.

- *5. Site Condition (select only one, as appropriate):
 Undisturbed Disturbed - Extent Unknown Fully disturbed
 Destroyed Unrecorded Unknown
- *6. Dominant Agent (s) of Disturbance (select as many as appropriate):
 None Apparent Agriculture Historic Construction Water
 Transportation Archaeological Excavation Mining Vandalism
 Unrecorded Other (specify) Building removed
- 7. Nature of Disturbance/Destruction:
Original Church has been removed, as has USDOE PORTS
Observation Tower
- *8. Current Dominant Land Use (see manual):
Coniferous Forest Land
- 9. Land Use History:

- *10. Site Elevation 223 Meters A.M.S.L. (elevation to be taken from UTM point)
- *11. Physiographic Setting of Site (select only one, as appropriate):
 Lake Plain Lexington Peneplain Unglaciaded Plateau
 Till Plain Glaciaded Plateau Unrecorded

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*12. Glacial Geomorphology (select only one, as appropriate):

- Not Applicable
- Kansan Ground Moraine
- Illinoian Ground Moraine
- Illinoian Outwash
- Wisconsin Ground Moraine
- Unrecorded
- Wisconsin End/Lateral Moraine
- Wisconsin Kame/Kettle/Esker/Drumlin
- Wisconsin Lacustrine Deposit
- Post Wisconsin Lacustrine Deposit
- Wisconsin Outwash
- Other (specify) _____

*13. Regional Geomorphological Setting (select only one, as appropriate):

- Stream Valley
- Upland Hill Slope
- Beach Ridge
- Hill or Ridge Top
- Lake Plains Interfluvial Zone
- Unrecorded

*14. Local Environmental Setting (select only one, as appropriate):

- Terrace: Unknown T-1 T-2 T-3 T-4
- Beach Ridge
- Terrace Remnant
- Natural Levee
- Floodplain
- Low Rise on Floodplain
- Alluvium
- Island
- Kame
- Drumlin
- Esker
- Moraine
- Glacial Hummock
- Wetland Hummock
- Bluff
- Bluff Base
- Bluff Edge
- Saddle
- Hill or Ridge Top
- Closed Depression
- Unrecorded
- Other (specify) _____

*15. Soils:

Soil Association Omulga
 Soil Series-Phase/Complex Coolville Silt loam 8-15% slopes
 Reference 1990 Hendershot, Robert L.
Soil Survey of Pike County, Ohio
USDA

*16. Down Slope Direction (select only one, as appropriate):

- N NW NE E All Flat
- S SW SE W Unrecorded

*17. Slope Gradient (percent) 0 Unrecorded _____

*18. Drainage System (see manual):

Major Drainage Ohio River
 Minor Drainage Scioto River

*19. Closest Water Source (select only one, as appropriate):

- Name: Little Beaver Creek
- Permanent Stream
 - Lake/Pond
 - Ephemeral Stream
 - Permanent Spring
 - Swamp/Bog
 - Intermittent Spring/Seep
 - Slough/Oxbow Lake
 - Artificial Lake/Pond (historic sites only)
 - Artificial Stream/Ditch (historic sites only)
 - Unrecorded
 - Other (specify) _____

*20. Horizontal Distance to Closest Water Source 240 (meters from UTM point)

21. Elevation Above Closest Water Source _____ (meters A.M.S.L. from UTM point)

F. Reporting Information

*1 Investigation Type (select as many as appropriate)

- Reported
- Examination of Collection
- Surface Collection
- Auger/Soil Corer
- Shovel Test (s)
- Test Pit (s)
- Test Trench (es)
- Deep Test (s)
- PZ or Humus Removal
- Testing/Excav. (strategy unknown)
- Mitigation/Block Excavation
- Aerial Photograph
- Remote Sensing (specify) _____
- Chemical Analysis (specify) _____
- Unrecorded
- Other (specify) Visual Inspection

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*2. Surface Collection Strategy (select as many as appropriate):

- Not Applicable Grab Sample Diagnostics
- Controlled-Unknown Controlled-Total
- Controlled-Sample Unrecorded
- Other (specify) _____

3. If surface collection strategy is Controlled-Total, Controlled-Sample, or Other, describe methodology and percentage.

4. Surface Visibility (select only one, as appropriate):

- None Less than 10% 11-50%
- 51-90% 91-100% Unrecorded

5. Describe surface conditions.

*6 Site Area (square meters) 2,475

Unrecorded

*7. Basis for Site Area Estimate (select only one, as appropriate):

- Guessed Historic Maps Aerial Photograph Paced
- Taped Transit/Alidade Range Finder Unrecorded
- Other (specify) _____

*8 Confident of Site Boundaries: No Yes Unrecorded

9. Estimated Percentage of Site Excavated Unrecorded Unknown

*10. Name of Form Preparer Chris McLaren, Jeremy Thornburg

*11. Institution ASC Group, Inc.

*12. Date of Form (year/month) 1997/5

*13. Field Date (year/month) 1996/9

14. Time Spent at Site _____

15. Weather Conditions _____

16. Name (s), Address (es), Phone Number (s) of Local Informants

*17. Artifact Repository (ies) Dept. of Energy

18. Name (s), Address (es), Phone Number (s) of Owners of Collections From Site (attach inventories of private collections).

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19 Photographs (select as many as appropriate).

No. of Slides _____ No. of Prints _____
Aerials: _____ Black/White _____ Color _____ Infrared
_____ None

20 Name and Address of Institution Where Photos Are Filed (include photo log number if available)

*21 National Register Status (select only one, as appropriate)

_____ National Register Property†
 Determined Eligible for National Register†
_____ National Register Status Not Assessed†
_____ Removed from National Register†
_____ Determined Not Eligible†
†Determination made by Keeper of the National Register (date)

22 State Registry Status (select only one, as appropriate)

_____ State Registry Listed†
 Not Assessed for State Registry
_____ Removed from State Registry†
_____ Determined Not Eligible†
†Determination made by Ohio Historical Society (date)

23. Discuss the potential significance of the site (does it meet National Register and/or State Registry criteria of significance in your opinion? Why or why not? Upon what evidence have you based your opinion?)

*24. Special Status (select only one, as appropriate):

_____ None _____ Wilderness Area _____ Wildlife Preserve
_____ Park _____ Scenic River _____ Nature Preserve
_____ Forest _____ Military Installation _____ Archaeological Preserve
_____ Archaeological District _____ Unknown
 Other (specify) Dept. of Energy USDOE PORTS facility

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*G. References - List Primary Documentary References (see manual):

1. Schwenkert, John F. & Coleman, Kevin, Flora Church
1997. Results from the Phase I Archaeological Reconnaissance
Survey for the FORTS Facility in Scioto and Seal
Townships, Pike County, Ohio. ASC Group Inc.
2. Submitted to Portsmouth Gaseous Diffusion Plant
Lockheed Martin Energy Systems, Inc.
- 3.

H. Radiometric Dates

1. Materials (s) Dated _____
Date (uncorrected C14 years) _____
Laboratory _____
Sample # _____
Reference (s) _____
2. Materials (s) Dated _____
Date (uncorrected C14 years) _____
Laboratory _____
Sample # _____
Reference (s) _____
3. Additional Radiometric Dates Yes _____ No _____
(use Continuation Section to list other dates)

I. Description of Site

1. State physical description of the site and its setting, including dimensions, features (with measurements), nature and location of artifacts and concentrations, extent and location of disturbances, etc.

See Continuation Sheet 12

- *2. Discuss the relationship between the site and other known sites in the area in terms of location, physical characteristics, size, etc.

This site represents the remains of a prehistoric isolated find, a 19th-20th Century Cemetery, and structure remains associated with the surrounding USDOE PORTS Facility. The prehistoric component shares similarities in its low density and hill/ridgetop location with the following sites in the vicinity: 33PK198, 33PK204, 33PK205, 33PK206 (Prehistoric Component), 33PK208, and 33PK210. The historic cemetery and chapel remains probably represent a local point for the surrounding rural upland community from the mid-19th through mid twentieth centuries as indicated by the identification of what appears to be the remains of Site 14 farmsteads (33PK144, 33PK145, 33PK147, 33PK143, 33PK144, 33PK145, 33PK147, 33PK203, 33PK206 (Historic Component), 33PK211, 33PK212, 33PK213, 33PK217, and 33PK218).

Another cemetery was also identified within the USDOE PORTS facility

J. Continuation Section: Specify Section & Item (use additional Continuation Sheet (s) if necessary)

I.2 (Continued)

Boundary. This was 33PK214 [PIK-207-12] (Holt Cemetery) which was of a similar size located on a hilltop. However, unlike 33PK189 [PIK-205-9] the Holt Cemetery was not being maintained, and only had three surviving gravestones, even though a number of depressions were evident. Other cemeteries noted in the vicinity, but not documented because they were outside the project area included the Daley Cemetery (Talbot-Pailey Cemetery) on the western boundary with the USDOE PORTS facility, and the Bailey Chapel Cemetery on the Southeastern side of the USDOE PORTS facility.

The observation tower base relates to other USDOE PORTS facility-related building remains or structure remains and includes 33PK190 (a radio tower base), 33PK196 (two pieces of steel drain pipe), 33PK188 (remains of brackets), and 33PK214 (an abandoned lining range).

***K. Sketch Map or Copy of Project Map of Site**

Include north arrow and scale. Attach a Xeroxed section of the appropriate U.S.G.S. quadrangle on a separate sheet. Outline total area surveyed and include locations of all identified sites on the Xerox of the quadrangle.

See Continuation Sheet 13

*Site Location	Distance (m)	Direction/Bearing from Site to Terrain Feature
Permanent Feature <u>Old Filtration Ponds / Prairie</u>	<u>152</u>	<u>West (270°)</u>
_____	_____	_____
_____	_____	_____

Continuation Sheet: Specify Section & Item (use additional Continuation Sheets if necessary)

D. 15.

Prehistoric and Historic Artifacts Recovered from 33 Pk 189.

OAI Number	Field Site No. (F.S.)	Provenience	Functional Group	Artifact Description	Count	Date Range	Reference
33 Pk 189	F.S. 6	Quadrant IV, Area 32, Surface	*	Flake, Vunport, cortex	1		
		Quadrant IV, Area 32, Surface,	Kitchen	Amethyst glass tumbler	1	1880-1918	Deiss 1981; Munsey 1970
		Quadrant IV, Area 32, Surface	Architecture	Cut nail	1	1790-1890s	Nelson 1968
		Quadrant IV, Area 32, Surface	Kitchen	Solarized Amethyst Tumbler	1	1880-1918	Deiss 1981; Munsey 1970
		Quadrant IV, Area 32, Surface	Kitchen	Solarized Amethyst Container glass	2	1880-1918	Deiss 1981; Munsey 1970
		Quadrant IV, Area 32, Surface	Kitchen	Violet tinted container glass goblet base/foot	1		
		Quadrant IV, Area 32, Surface	Kitchen	3-sided colorless container glass with Owen's scar	1	1903-Present	Deiss 1981; Kendrick 1966
		Quadrant IV, Area 32, Surface	Activities	Vase, milk glass, mold design base	1		

Key: * Prehistoric artifact

Continuation Sheet: Specify Section & Item (use additional Continuation Sheets if necessary)**33 Pk 189 (Mt. Gilead Cemetery)****F 23. Significance of site**

In evaluating the cultural resources of the Mt. Gilead Cemetery, the prehistoric and plant-related components of the site are lacking in terms of their visibility, and the prehistoric component lacks focus. Therefore, the prehistoric and plant-related components of this site do not have the potential to provide important new or additional information concerning the history or prehistory of the area. No further work is recommended for the prehistoric or plant-related components of this site. However, it is the recommendation of ASC Group that the remains of the historic Mt. Gilead Chapel and cemetery continue to be preserved and maintained.

I I. Description of site

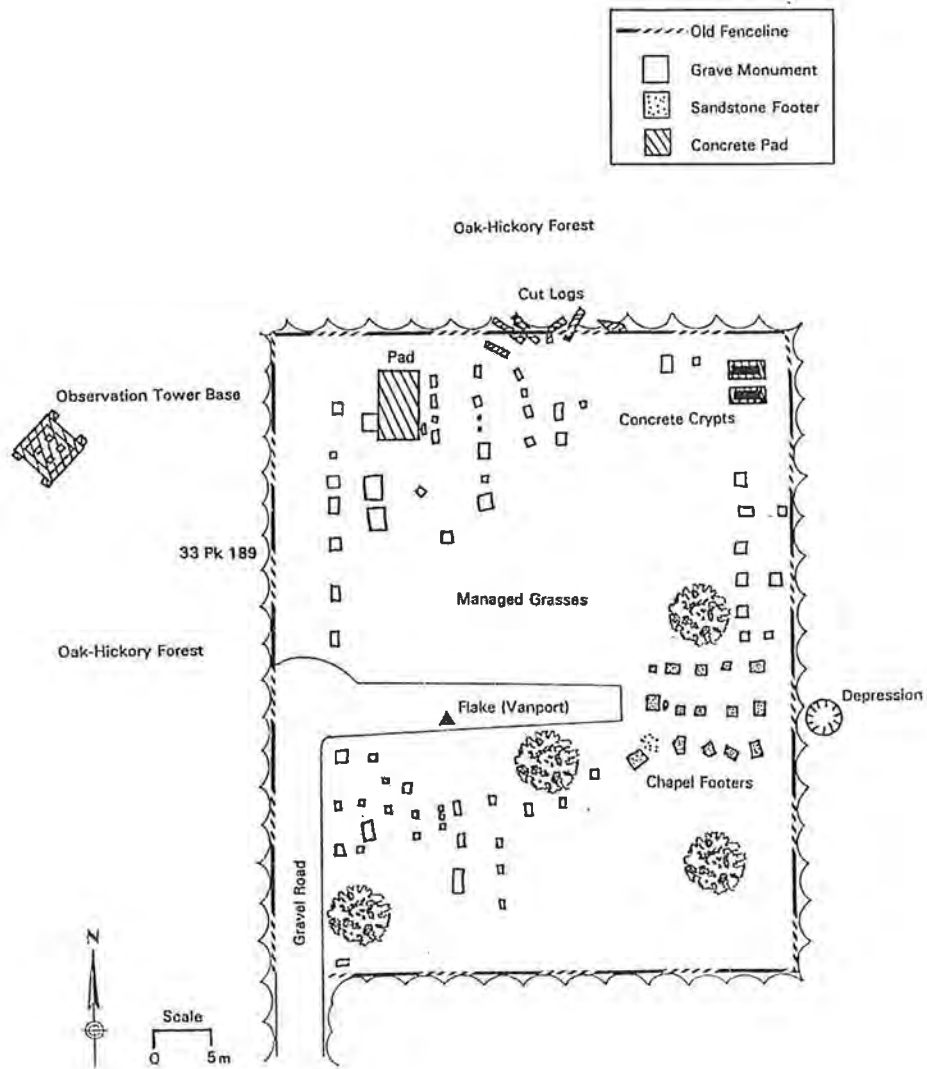
The Mt. Gilead Cemetery (33 Pk 189)[PTK-206] is no longer in use as a cemetery, but is still maintained and occupies a hilltop in Quadrant IV between the Fog Road to the east and the Perimeter Road to the west. This cemetery was identified during visual inspection and surface collection. This cemetery measures 55 m (180 ft) north to south by 45 m (148 ft) east to west. A total of approximately 70 headstones, footstones, and other grave-related monuments were identified within the cemetery with death dates ranging from 1847 to 1938. Three headstones identified were found to be those of U.S. veterans. The oldest grave marker is that of John Violet, a veteran of the Revolutionary War, who served as a private under John Bell's Company with Colonel John Gibson's Virginia Regiment (Hammond and Days n.d.) and died in 1847. Two individuals buried at Mt. Gilead were veterans of the Civil War, Joseph W. Delay, (Corporal and Private) who died in 1890, and Robert D. Taylor (Private) who died in 1901. Both men served with the First Regiment of the O.V.H.A., Company G (Hammond and Days n.d.).

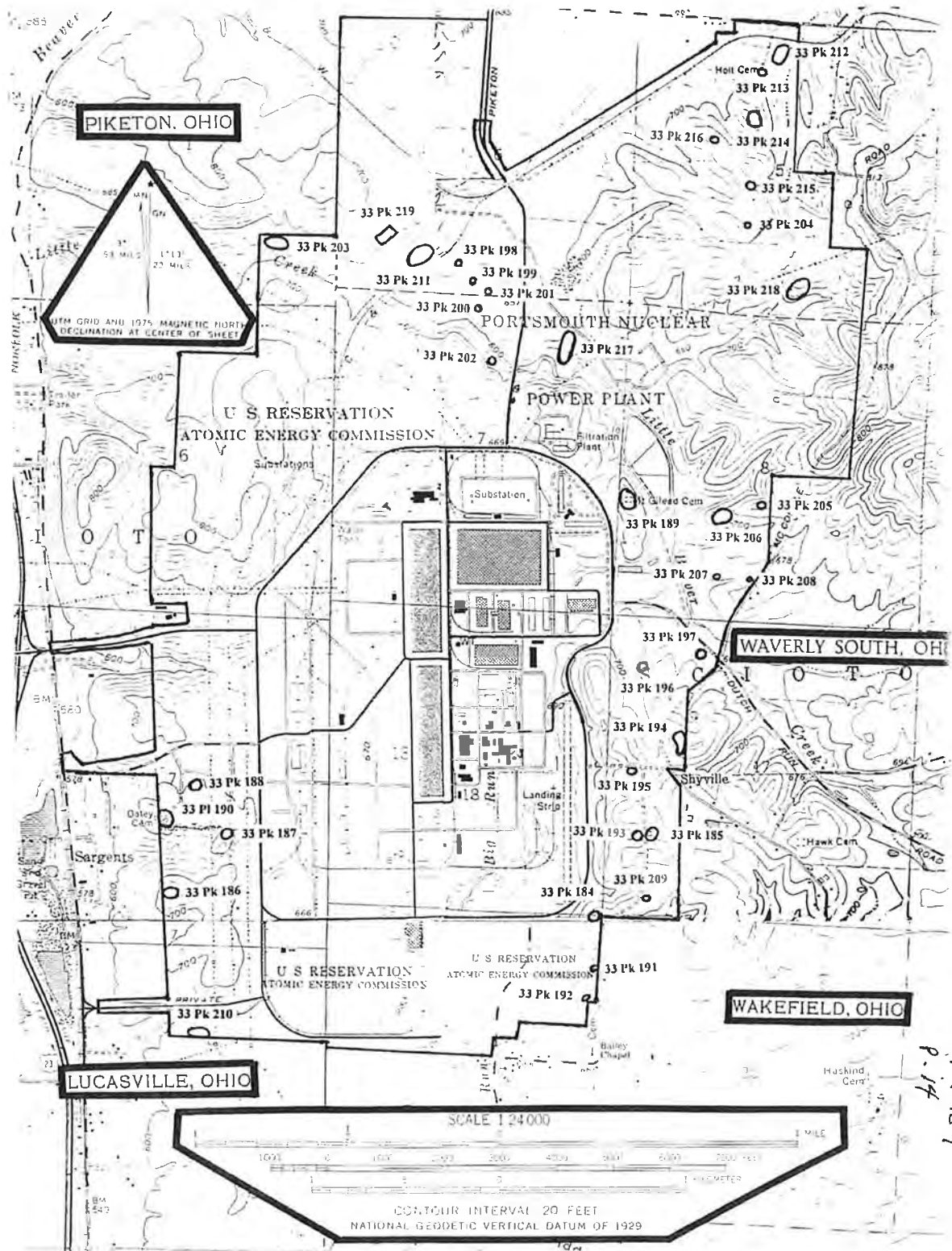
In addition to the graves and monuments, sandstone footers which represent the remains of the Mt. Gilead Chapel were located at the crest of the hill along the eastern edge of the cemetery. Fifteen rough-cut sandstone blocks and one sandstone step preserve the outline of a building measuring some 8 m (26 ft) north to south by 10 m (33 ft) east to west. In addition, a concrete observation tower base was identified 16 m (52 ft) west of the cemetery. This structure measured some 4 m (13 ft) square and was indicated on some of the digitally-produced maps of the PORTS facility.

Surface collection of the cemetery yielded the following historic artifacts: a fragment from a sun-colored amethyst tumbler, three sun-colored amethyst container glass fragments, a violet-colored glass foot/base, a three-sided, machine-made, clear glass bottle, a mold-decorated milk glass container fragment, and a cut nail. A single prehistoric artifact, a flake made from Vanport chert, was recovered from the gravel access road. This prehistoric artifact may have come from the source of the gravels used to cover the road and may not be in its original context, while the historic artifacts have a general date range from the mid-to-late 1800s through the mid-twentieth century.

The historic artifacts correspond well with the grave monument dates and the documented age of the chapel. The Mt. Gilead Church of Christian Union was built in 1865 (Pike County Chapter, Ohio Genealogical Society 1992). The Mt. Gilead Church or chapel was apparently still in use after the turn-of-the-century as shown on the (1906) Waverly, O., USGS 15' Quadrangle map. Further indirect evidence suggests that this church may have been in existence up until the time of the PORTS plant construction as indicated by the presence of the Ferree-Gilead Union Church located some 914 m (3,000 ft) north of the U.S.D.O.E. PORTS facility boundary just off the North Access Road. It seems likely that the congregation of the Ferree Church, which once stood were the X-14A Firing Range sits today, joined with the congregation of the Mt. Gilead Church to form the Ferree-Gilead Union Church. This church now occupies a building that appears to date to around the time of initial plant construction in the early 1950s.

Continuation Sheet: Specify Section & Item (use additional Continuation Sheets if necessary)





33 Pk 189
P. 14

Ohio Historic Preservation Office
 567 East Hudson Street
 Columbus, Ohio 43211-1030
 614/298-2000
 Fax: 298-2037



Site No. 33- PK-311

OHIO ARCHAEOLOGICAL INVENTORY

*Response required for acceptance of form

for official use only

Coder _____
 Date _____

A. Identification

- *1. Type of Form (select as many as appropriate):
 New Form Revised Form Transcribed Data
- 2. County Pike *3. Trinomial State Site Number 33- PK-311
- 4. Site Name(s) _____
- 5. Project Site Number Location #13
- 6. Other State Site Number _____
- 7. Source (of Item A.5 and/or A.6.) OVAI field notes

B. Location

- *1. UTM Zone _____ 16 or 17
 Easting 3 2 9 5 1 8
 Northing 4 3 2 1 8 2 5
- 2. Latitude _____
 Longitude _____
- *3. Township 4N Range 21W Not Applicable _____
 Section 5 1/4 Section: SW SE NW NE
 Township Name Seal
- *4. Quadrangle Name Waverly South
- *5. Quadrangle Date 1992
- *6. Confident of Site Location: Yes No

C. Ownership

- *1. Name(s) U.S. Department of Energy - PORTS
 Address 3930 U.S. 23 South
 City/Town, State, Zip Piketon, OH 45661
 Phone (____) _____
- 2. Tenant (if any) _____
 Address _____
 City/Town, State, Zip _____
 Phone (____) _____
- *3. Ownership Status (select only one, as appropriate):
 Private (single) Private (multiple) Local Govt.
 State Govt Federal Govt Multiple Govt
 Mixed-Govt/Private Unknown

D. Temporal Affiliations

- *1. Affiliations Present (select only one, as appropriate)
 Prehistoric Historic Prehistoric and Historic
 Unknown Unrecorded

Site No. 33- PK-311
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Prehistoric

*2. Prehistoric Temporal Period(s) Represented (select as many as appropriate)

- Unassigned Prehistoric PaleoIndian
- Archaic: Unassigned Early Middle Late
- Woodland: Unassigned Early Middle Late
- Late Prehistoric Protohistoric Other (specify) _____

*3. Minimum Number of Prehistoric Temporal Periods Represented _____

*4. Basis for Assignment of Prehistoric Temporal Period(s) (select as many as appropriate):

- Diagnostic Artifacts Diagnostic Features Radiometric
- Unrecorded Other (specify) _____

5. Prehistoric Cultural Component(s) Represented (see manual)

- a. _____
- b. _____
- c. _____
- d. _____
- e. _____
- f. _____

6. Describe how Prehistoric Temporal Period(s) and Cultural Component(s) were determined (list diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features please specify Prehistoric Cultural Component(s) by using letter designations from Item D 5.

Researcher _____

*7. Categories of Prehistoric Materials Present at Site (select as many as appropriate)

- Lithics Ceramics Metal Faunal Remains Floral Remains
- Human Skeletal Remains Unrecorded Other (specify) _____

8. Specific Prehistoric Cultural Materials Collected:

Type	Count	Type	Count

Historic

*9. Affiliation Present (select only one, as appropriate):

- Aboriginal Non-Aboriginal Both Undetermined

*10. Historic Temporal Period(s) Represented (select as many as appropriate):

- a. Pre-1795 b. 1796-1829 c. 1830-1849
- d. 1850-1879 e. 1880-1899 f. 1900-1929
- g. 1930-1949 h. 1950-1974 i. 1975-2000
- j. Historic k. 18th Century l. 19th Century
- m. 20th Century n. Historic Aboriginal

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*11. Minimum Number of Historic Temporal Periods Represented 3

*12. Basis for Assignment of Historic Temporal Period(s) (select as many as appropriate):

- Diagnostic Artifacts
- Diagnostic Architectural Remains
- Diagnostic Features
- Documentary Evidence
- Oral Tradition
- Unrecorded
- Other (specify) _____

13. Describe how Historic Temporal Period(s) were determined (list any diagnostic architectural remains, diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features specify Historic Temporal Period(s) by using letter designations from Item D. 10

Researcher _____

*14. Functional Categories of Historic Materials Present at Site (select as many as appropriate)

- Kitchen
- Furniture
- Personal
- Toys & Games
- Printed Matter
- Religious/Ceremonial
- Military
- Weapons
- Transportation
- Architectural
- Misc. Hardware
- Const./Manufacturing Tools
- Agricultural
- Fuel/Energy
- Food Remains
- Clothing
- Unrecorded
- Unknown
- Other (specify) _____

15. Specific Historic Cultural Materials Collected:

Type	Count	Type	Count
<u>None collected</u>			

General

16. Describe Prehistoric and/or Historic Cultural Materials observed but not collected. State reason(s) for not collecting.

Three building foundations; stone retaining wall; well; two cisterns; septic system

17. Affiliated Ohio Historic Inventory Site Number and Name:

for official use only

E. Physical Description

*1. Archaeological Setting (select only one, as appropriate):

- Rockshelter/Cave
- Open
- Unrecorded
- Unknown
- Submerged
- Other (specify) _____

*2. Prehistoric Site (select as many as appropriate):

- Habitation: Camp Village Hamlet Unspecified Habitation
- Extractive: Quarry Workshop
- Ceremonial: Unspecified Mound Earth Mound Stone Mound
- Effigy Mound Mound Group Hilltop Enclosure
- Geometrical Earthwork Cemetery Isolated Burial(s)
- Petroglyph/Pictograph
- Other: Unknown Unrecorded Other (specify) _____

*3. Historic Site Type (select as many as appropriate):

- Residential Commercial Social Government
- Religious Educational Mortuary Recreation
- Subsistence Industrial Health Care Military
- Transportation Unrecorded Unknown
- Other (specify) _____

4. State the bases on which site type assignment(s) were made.

*5. Site Condition (select only one, as appropriate):

- Undisturbed
- Disturbed - Extent Unknown
- Fully Disturbed
- Destroyed
- Unrecorded
- Unknown

*6. Dominant Agent(s) of Disturbance (select as many as appropriate):

- None Apparent
- Agriculture
- Historic Construction
- Water
- Transportation
- Archaeological Excavation
- Mining
- Vandalism
- Unrecorded
- Other (specify) Abandonment

7. Nature of Disturbance/Destruction:

*8. Current Dominant Land Use (see manual):

Fallow

9. Land Use History:

*10. Site Elevation 219 Meters A.M.S.L. (elevation to be taken from UTM point)

*11. Physiographic Setting of Site (select only one, as appropriate):

- Lake Plain
- Lexington Peneplain
- Unglaciaded Plateau
- Till Plain
- Glaciaded Plateau
- Unrecorded

for official use only

*12. Glacial Geomorphology (select only one, as appropriate):

- Not Applicable
- Kansan Ground Moraine
- Illinoian Ground Moraine
- Illinoian Outwash
- Wisconsin Ground Moraine
- Unrecorded
- Wisconsin End/Lateral Moraine
- Wisconsin Kame/Kettle/Esker/Drumlin
- Wisconsin Lacustrine Deposit
- Post Wisconsin Lacustrine Deposit
- Wisconsin Outwash
- Other (specify) _____

*13. Regional Geomorphological Setting (select only one, as appropriate)

- Stream Valley
- Upland Hill Slope
- Beach Ridge
- Hill or Ridge Top
- Lake Plains Interfluvial Zone
- Unrecorded

*14. Local Environmental Setting (select only one, as appropriate):

- Terrace: Unknown T-1 T-2 T-3 T-4
- Beach Ridge
- Terrace Remnant
- Natural Levee
- Floodplain
- Low Rise on Floodplain
- Alluvium
- Island
- Kame
- Drumlin
- Esker
- Moraine
- Glacial Hummock
- Wetland Hummock
- Bluff
- Bluff Base
- Bluff Edge
- Saddle
- Hill or Ridge Top
- Closed Depression
- Unrecorded
- Other (specify) _____

*15. Soils:

- Soil Association Omaha
- Soil Series-Phase/Complex Cadville silt loam (CoB)
- Reference 1990 USDA-SSC
Soil Survey of Pike County, Ohio

*16. Down Slope Direction (select only one, as appropriate)

- N
- NW
- NE
- E
- All
- Flat
- S
- SW
- SE
- W
- Unrecorded

*17. Slope Gradient (percent) 1-8% Unrecorded _____

*18. Drainage System (see manual):

- Major Drainage Scioto River
- Minor Drainage Little Beaver Creek

*19. Closest Water Source (select only one, as appropriate)

- Name: Unnamed tributary of Little Beaver Creek
- Permanent Stream
- Lake/Pond
- Ephemeral Stream
- Permanent Spring
- Swamp/Bog
- Intermittent Spring/Seep
- Slough/Oxbow Lake
- Artificial Lake/Pond (historic sites only)
- Artificial Stream/Ditch (historic sites only)
- Unrecorded
- Other (specify) _____

*20. Horizontal Distance to Closest Water Source 154 (meters from UTM point)

*21. Elevation Above Closest Water Source _____ (meters A.M.S.L. from UTM point)

F. Reporting Information

*1. Investigation Type (select as many as appropriate):

- Reported
- Examination of Collection
- Surface Collection
- Auger/Soil Corer
- Shovel Test(s)
- Test Pit(s)
- Test Trench(es)
- Deep Test(s)
- PZ or Humus Removal
- Testing/Excav (strategy unknown)
- Mitigation/Block Excavation
- Aerial Photograph
- Remote Sensing (specify) _____
- Chemical Analysis (specify) _____
- Unrecorded
- Other (specify) Visual Inspection

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*2. Surface Collection Strategy (select as many as appropriate)

- Not Applicable Grab Sample Diagnostics
- Controlled-Unknown Controlled-Total
- Controlled-Sample Unrecorded
- Other (specify) _____

3. If surface collection strategy is Controlled-Total, Controlled-Sample or Other, describe methodology and percentage.

4. Surface Visibility (select only one, as appropriate):

- None Less than 10% 11-50%
- 51-90% 91-100% Unrecorded

5. Describe surface conditions.

*6. Site Area (square meters) 6,867.5

Unrecorded

*7. Basis for Site Area Estimate (select only one, as appropriate):

- Guessed Historic Maps Aerial Photograph Paced
- Taped Transit/Alidade Range Finder Unrecorded
- Other (specify) GPS

*8. Confidence of Site Boundaries: No Yes Unrecorded

9. Estimated Percentage of Site Excavated Unrecorded Unknown

*10. Name of Form Preparer Stephen H. Biehl

*11. Institution Ohio Valley Archaeology, Inc.

*12. Date of Form (year/month) 2011/08

*13. Field Date (year/month) 2011/07

14. Time Spent at Site _____

15. Weather Conditions _____

16. Name(s), Address(es), Phone Number(s) of Local Informants

*17. Artifact Repository (ies) None collected

18. Name(s), Address(es), Phone Number(s) of Owners of Collections From Site (attach inventories of private collections).

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19. Photographs (select as many as appropriate):

No. of Slides _____ No. of Prints _____
Aerials: _____ Black/White _____ Color _____ Infrared

20. Name and Address of Institution Where Photos Are Filed (include photo log number if available)

*21. National Register Status (select only one, as appropriate):

- National Register Property†
 - Determined Eligible for National Register†
 - National Register Status Not Assessed
 - Removed from National Register†
 - Determined Not Eligible†
- †Determination made by Keeper of the National Register (date) _____

22. State Registry Status (select only one, as appropriate)

- State Registry Listed†
 - Not Assessed for State Registry
 - Removed from State Registry†
 - Determined Not Eligible†
- †Determination made by Ohio Historical Society (date) _____

23. Discuss the potential significance of the site (does it meet National Register and/or State Registry criteria of significance in your opinion? Why or why not? Upon what evidence have you based your opinion?)

*24. Special Status (select only one, as appropriate):

- None
- Wilderness Area
- Wildlife Preserve
- Park
- Scenic River
- Nature Preserve
- Forest
- Military Installation
- Archaeological Preserve
- Archaeological District
- Unknown
- Other (specify) Decommissioned Nuclear Facility

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***G. References** - List Primary Documentary References (see manual):

1. Pecora, Albert H.
2011 Preliminary Reconnaissance Survey for Fifteen
Historic-Era Structure Locations within the Portsmouth
Gaseous Diffusion Plant (PORTS), Pike County, Ohio.
2. _____

3. _____

H. Radiometric Dates

1. Material(s) Dated _____
 Date (uncorrected C14 years) _____
 Laboratory _____
 Sample # _____
 Reference(s) _____
2. Material(s) Dated _____
 Date (uncorrected C14 years) _____
 Laboratory _____
 Sample # _____
 Reference(s) _____
3. Additional Radiometric Dates Yes _____ No _____
 (use Continuation Section to list other dates)

I. Description of Site

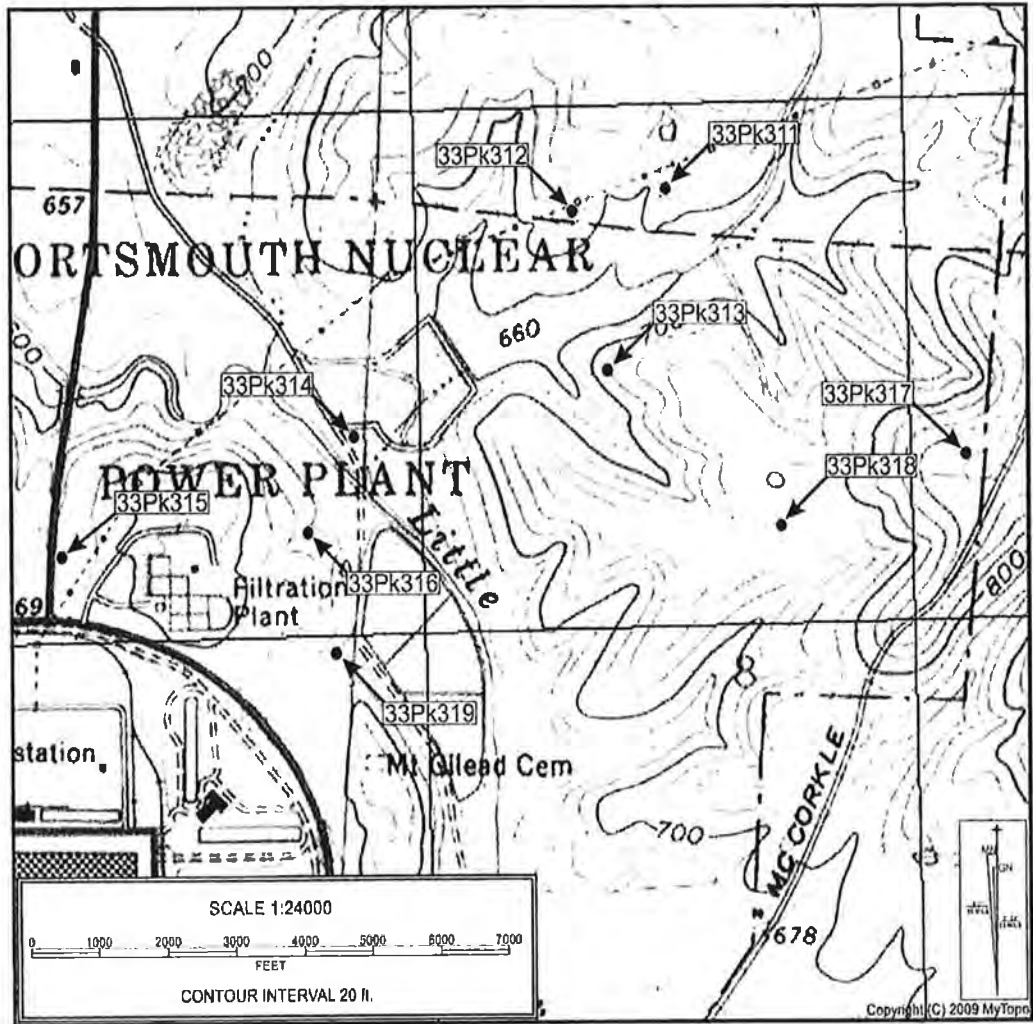
- *1. State physical description of the site and its setting, including dimensions, features (with measurements), nature and location of artifacts and concentrations, extent and location of disturbances, etc. See Pecora 2011

- *2. Discuss the relationship between the site and other known sites in the area in terms of location, physical characteristics, size, etc. *This site is similar to other known sites in the area in terms of representing abandoned farmsteads within the PORTS facility.*

J. Continuation Section: Specify Section & Item (use additional Continuation Sheet(s) if necessary)

***K. Sketch Map or Copy of Project Map of Site**

Include north arrow and scale. Attach a Xeroxed section of the appropriate U.S.G.S. quadrangle on a separate sheet. Outline total area surveyed and include locations of all identified sites on the Xerox of the quadrangle.



*Site Location Permanent Feature	Distance (m)	Direction/Bearing from Site to Terrain Feature

Ohio Historic Preservation Office
 567 East Hudson Street
 Columbus, Ohio 43211-1030
 614/298-2000
 Fax: 298-2037



*Site No. 33- PK-312

OHIO ARCHAEOLOGICAL INVENTORY

for official use only

*Response required for acceptance of form

Coder _____
 Date _____

A. Identification

- *1. Type of Form (select as many as appropriate):
 New Form Revised Form Transcribed Data
- 2. County Pike *3. Trinomial State Site Number 33- PK-312
- 4. Site Name(s) _____
- 5. Project Site Number Location # 14
- 6. Other State Site Number _____
- 7. Source (of Item A.5. and/or A.6.) OVAE field notes

B. Location

- *1. UTM Zone _____ 16 or 17
 Easting 3 2 8 3 2 0
 Northing 4 3 2 1 7 9 6
- 2. Latitude _____
 Longitude _____
- *3. Township 4N Range 21W Not Applicable _____
 Section 5 1/4 Section: SW SE NW NE
 Township Name Seal
- *4. Quadrangle Name Wausely South
- *5. Quadrangle Date 1992
- *6. Confident of Site Location Yes No

C. Ownership

- *1. Name(s) U.S. Department of Energy - PORTS
 Address 3930 U.S. 23 South
 City/Town, State, Zip Pikeston, OH 45661
 Phone (____) _____
- 2. Tenant (if any) _____
 Address _____
 City/Town, State, Zip _____
 Phone (____) _____
- *3. Ownership Status (select only one, as appropriate):
 Private (single) Private (multiple) Local Govt.
 State Govt. Federal Govt. Multiple Govt.
 Mixed-Govt./Private Unknown

D. Temporal Affiliations

- *1. Affiliations Present (select only one, as appropriate)
 Prehistoric Historic Prehistoric and Historic
 Unknown Unrecorded

*Site No. 33- PK-312
 Plotted

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Prehistoric

*2. Prehistoric Temporal Period(s) Represented (select as many as appropriate)

- Unassigned Prehistoric Paleoindian
- Archaic: Unassigned Early Middle Late
- Woodland: Unassigned Early Middle Late
- Late Prehistoric Protohistoric Other (specify) _____

*3. Minimum Number of Prehistoric Temporal Periods Represented _____

*4. Basis for Assignment of Prehistoric Temporal Period(s) (select as many as appropriate):

- Diagnostic Artifacts Diagnostic Features Radiometric
- Unrecorded Other (specify) _____

5. Prehistoric Cultural Component(s) Represented (see manual).

- a. _____
- b. _____
- c. _____
- d. _____
- e. _____
- f. _____

6. Describe how Prehistoric Temporal Period(s) and Cultural Component(s) were determined (list diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features please specify Prehistoric Cultural Component(s) by using letter designations from Item D 5.

Researcher _____

*7. Categories of Prehistoric Materials Present at Site (select as many as appropriate)

- Lithics Ceramics Metal Faunal Remains Floral Remains
- Human Skeletal Remains Unrecorded Other (specify) _____

8. Specific Prehistoric Cultural Materials Collected:

Type	Count	Type	Count

Historic

*9. Affiliation Present (select only one, as appropriate):

- Aboriginal Non-Aboriginal Both Undetermined

*10. Historic Temporal Period(s) Represented (select as many as appropriate):

- a. Pre-1795 b. 1796-1829 c. 1830-1849
- d. 1850-1879 e. 1880-1899 f. 1900-1929
- g. 1930-1949 h. 1950-1974 i. 1975-2000
- j. Historic k. 18th Century l. 19th Century
- m. 20th Century n. Historic Aboriginal

for official use only

- *11. Minimum Number of Historic Temporal Periods Represented 3
- *12. Basis for Assignment of Historic Temporal Period(s) (select as many as appropriate)
 Diagnostic Artifacts Diagnostic Architectural Remains
 Diagnostic Features Documentary Evidence Oral Tradition
 Unrecorded Other (specify) _____
13. Describe how Historic Temporal Period(s) were determined (list any diagnostic architectural remains, diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features specify Historic Temporal Period(s) by using letter designations from Item D.10.
- _____
- _____
- _____

Researcher _____

- *14. Functional Categories of Historic Materials Present at Site (select as many as appropriate)
- | | | |
|---------------------------------------------------|---------------------------------------------------|-----------------------------------------------------|
| <input checked="" type="checkbox"/> Kitchen | <input type="checkbox"/> Furniture | <input type="checkbox"/> Personal |
| <input type="checkbox"/> Toys & Games | <input type="checkbox"/> Printed Matter | <input type="checkbox"/> Religious/Ceremonial |
| <input type="checkbox"/> Military | <input type="checkbox"/> Weapons | <input type="checkbox"/> Transportation |
| <input checked="" type="checkbox"/> Architectural | <input checked="" type="checkbox"/> Misc Hardware | <input type="checkbox"/> Const./Manufacturing Tools |
| <input checked="" type="checkbox"/> Agricultural | <input type="checkbox"/> Fuel/Energy | <input type="checkbox"/> Food Remains |
| <input type="checkbox"/> Clothing | <input type="checkbox"/> Unrecorded | <input type="checkbox"/> Unknown |
| Other (specify) _____ | | |

15. Specific Historic Cultural Materials Collected:

Type	Count	Type	Count
Brick fragments	2	Pitch fork	1
Whiteware - Plain	1		
Stoneware	1		
Container glass	5		
Window pane glass	2		
Wire ring	1		
Nail - corroded	2		

General

16. Describe Prehistoric and/or Historic Cultural Materials observed but not collected. State reason(s) for not collecting.
Brick; sandstone building blocks; metal tub
- _____
- _____
- _____

17. Affiliated Ohio Historic Inventory Site Number and Name

for official use only

E. Physical Description

*1. Archaeological Setting (select only one, as appropriate):

- Rockshelter/Cave
- Open
- Unrecorded
- Unknown
- Submerged
- Other (specify) _____

*2. Prehistoric Site (select as many as appropriate):

- Habitation: Camp Village Hamlet Unspecified Habitation
- Extractive: Quarry Workshop
- Ceremonial: Unspecified Mound Earth Mound Stone Mound
- Effigy Mound Mound Group Hilltop Enclosure
- Geometrical Earthwork Cemetery Isolated Burial(s)
- Petroglyph/Pictograph
- Other: Unknown Unrecorded Other (specify) _____

*3. Historic Site Type (select as many as appropriate):

- Residential
- Commercial
- Social
- Government
- Religious
- Educational
- Mortuary
- Recreation
- Subsistence
- Industrial
- Health Care
- Military
- Transportation
- Unrecorded
- Unknown
- Other (specify) _____

4. State the bases on which site type assignment(s) were made.

*5. Site Condition (select only one, as appropriate):

- Undisturbed
- Disturbed - Extent Unknown
- Fully Disturbed
- Destroyed
- Unrecorded
- Unknown

*6. Dominant Agent(s) of Disturbance (select as many as appropriate)

- None Apparent
- Agriculture
- Historic Construction
- Water
- Transportation
- Archaeological Excavation
- Mining
- Vandalism
- Unrecorded
- Other (specify) _____

7. Nature of Disturbance/Destruction:

*8. Current Dominant Land Use (see manual):

Fallow

9. Land Use History:

*10. Site Elevation 221 Meters A.M.S.L. (elevation to be taken from UTM point)

*11. Physiographic Setting of Site (select only one, as appropriate):

- Lake Plain
- Lexington Peneplain
- Unglaciaded Plateau
- Tili Plain
- Glaciaded Plateau
- Unrecorded

for official use only

*12. Glacial Geomorphology (select only one, as appropriate):

- Not Applicable
- Kansan Ground Moraine
- Illinoian Ground Moraine
- Illinoian Outwash
- Wisconsin Ground Moraine
- Unrecorded
- Wisconsin End/Lateral Moraine
- Wisconsin Kame/Kettle/Esker/Drumlin
- Wisconsin Lacustrine Deposit
- Post Wisconsin Lacustrine Deposit
- Wisconsin Outwash
- Other (specify) _____

*13. Regional Geomorphological Setting (select only one, as appropriate):

- Stream Valley
- Hill or Ridge Top
- Upland Hill Slope
- Lake Plains Interfluvial Zone
- Beach Ridge
- Unrecorded

*14. Local Environmental Setting (select only one, as appropriate):

- Terrace: Unknown T-1 T-2 T-3 T-4
- Beach Ridge
- Low Rise on Floodplain
- Esker
- Bluff
- Closed Depression
- Terrace Remnant
- Alluvium
- Moraine
- Bluff Base
- Unrecorded
- Natural Levee
- Island
- Glacial Hummock
- Bluff Edge
- Other (specify) _____
- Floodplain
- Kame
- Wetland Hummock
- Drumlin
- Saddle
- Hill or Ridge Top

*15. Soils:

Soil Association Omaha
 Soil Series-Phase/Complex Lathan-Wharton silt loam (Ld,b)
 Reference 1990 USDA-SCS
Soil Survey of Pike County, Ohio.

*16. Down Slope Direction (select only one, as appropriate):

- N
- S
- NW
- SW
- NE
- SE
- E
- W
- All
- Flat
- Unrecorded

*17. Slope Gradient (percent) 15-25% Unrecorded _____

*18. Drainage System (see manual):

Major Drainage Scioto River
 Minor Drainage Little Beaver Creek

*19. Closest Water Source (select only one, as appropriate):

Name: Unnamed tributary of Little Beaver Creek
 Permanent Stream Lake/Pond Ephemeral Stream
 Permanent Spring Swamp/Bog Intermittent Spring/Seep
 Slough/Oxbow Lake Artificial Lake/Pond (historic sites only)
 Artificial Stream/Ditch (historic sites only) Unrecorded
 Other (specify) _____

*20. Horizontal Distance to Closest Water Source 185 (meters from UTM point)

*21. Elevation Above Closest Water Source _____ (meters A M S L from UTM point)

F. Reporting Information

*1 Investigation Type (select as many as appropriate):

- Reported
- Auger/Soil Corer
- Deep Test(s)
- Mitigation/Block Excavation
- Remote Sensing (specify) _____
- Chemical Analysis (specify) _____
- Unrecorded
- Examination of Collection
- Shovel Test(s)
- PZ or Humus Removal
- Aerial Photograph
- Surface Collection
- Test Pit(s)
- Testing/Excav (strategy unknown)
- Test Trench(es)
- Other (specify) Visual Inspection

for official use only

*2 Surface Collection Strategy (select as many as appropriate).

- Not Applicable Grab Sample Diagnostics
- Controlled-Unknown Controlled-Total
- Controlled-Sample Unrecorded
- Other (specify) _____

3. If surface collection strategy is Controlled-Total, Controlled-Sample, or Other, describe methodology and percentage.

4. Surface Visibility (select only one, as appropriate):

- None Less than 10% 11-50%
- 51-90% 91-100% Unrecorded

5. Describe surface conditions.

*6. Site Area (square meters) 6,503

Unrecorded _____

*7. Basis for Site Area Estimate (select only one, as appropriate):

- Guessed Historic Maps Aerial Photograph Paced
- Taped Transit/Alidade Range Finder Unrecorded
- Other (specify) GPS

*8. Confident of Site Boundaries: No Yes Unrecorded

*9. Estimated Percentage of Site Excavated _____ Unrecorded _____ Unknown _____

*10. Name of Form Preparer Stephen H. Biehl

*11. Institution Ohio Valley Archaeology, Inc.

*12. Date of Form (year/month) 2011/08

*13. Field Date (year/month) 2011/07

2 0 _____

2 0 _____

14. Time Spent at Site _____

15. Weather Conditions _____

16. Name(s), Address(es), Phone Number(s) of Local Informants

*17. Artifact Repository (ies) OVAI pending clearance from PORTS

18. Name(s), Address(es), Phone Number(s) of Owners of Collections From Site (attach inventories of private collections).

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18. Photographs (select as many as appropriate):

No. of Slides _____ No. of Prints _____
Aerials: _____ Black/White _____ Color _____ Infrared

20. Name and Address of Institution Where Photos Are Filed (Include photo log number if available)

21. National Register Status (select only one, as appropriate):

- National Register Property†
 - Determined Eligible for National Register†
 - National Register Status Not Assessed
 - Removed from National Register†
 - Determined Not Eligible†
- †Determination made by Keeper of the National Register (date) _____

22. State Registry Status (select only one, as appropriate)

- State Registry Listed†
 - Not Assessed for State Registry
 - Removed from State Registry†
 - Determined Not Eligible†
- †Determination made by Ohio Historical Society (date) _____

23. Discuss the potential significance of the site (does it meet National Register and/or State Registry criteria of significance in your opinion? Why or why not? Upon what evidence have you based your opinion?)

24. Special Status (select only one, as appropriate):

- | | | |
|--------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------------------|
| <input type="checkbox"/> None | <input type="checkbox"/> Wilderness Area | <input type="checkbox"/> Wildlife Preserve |
| <input type="checkbox"/> Park | <input type="checkbox"/> Scenic River | <input type="checkbox"/> Nature Preserve |
| <input type="checkbox"/> Forest | <input type="checkbox"/> Military Installation | <input type="checkbox"/> Archaeological Preserve |
| <input type="checkbox"/> Archaeological District | | <input type="checkbox"/> Unknown |
| <input checked="" type="checkbox"/> Other (specify) <u>DeCommissioned Nuclear Facility</u> | | |

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***G. References** - List Primary Documentary References (see manual):

1. Pecora, Albert H.
2011 Preliminary Reconnaissance Survey for Fifteen
Historic-Era Structure Locations within the
Portsmouth Gaseous Diffusion Plant (PORTS),
Pike County, Ohio.
2. _____
3. _____

H. Radiometric Dates

1. Material(s) Dated _____
 Date (uncorrected C14 years) _____
 Laboratory _____
 Sample # _____
 Reference(s) _____
2. Material(s) Dated _____
 Date (uncorrected C14 years) _____
 Laboratory _____
 Sample # _____
 Reference(s) _____
3. Additional Radiometric Dates Yes _____ No _____
 (use Continuation Section to list other dates)

I. Description of Site

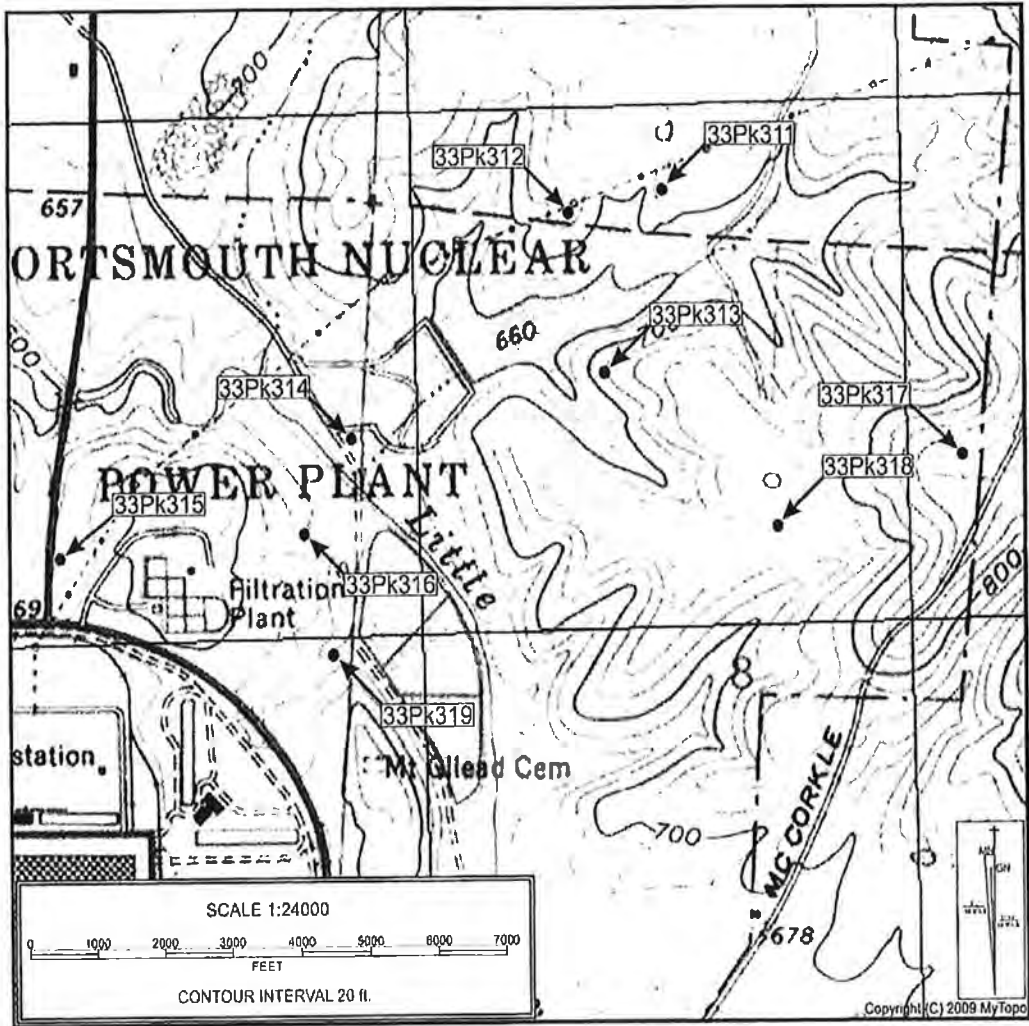
- *1. State physical description of the site and its setting, including dimensions, features (with measurements), nature and location of artifacts and concentrations, extent and location of disturbances, etc. See Pecora 2011

- *2. Discuss the relationship between the site and other known sites in the area in terms of location, physical characteristics, size, etc. *This site is similar to other known sites in the area in terms of representing an abandoned residential site within the PORTS facility.*

J. Continuation Section: Specify Section & Item (use additional Continuation Sheet(s) if necessary)

***K. Sketch Map or Copy of Project Map of Site**

Include north arrow and scale. Attach a Xeroxed section of the appropriate U.S.G.S. quadrangle on a separate sheet. Outline total area surveyed and include locations of all identified sites on the Xerox of the quadrangle.



*Site Location	Distance (m)	Direction/Bearing from Site to
Permanent Feature		Terrain Feature

Ohio Historic Preservation Office
 567 East Hudson Street
 Columbus, Ohio 43211-1030
 614/298-2000
 Fax: 298-2037



Site No. 33- PK - 313

OHIO ARCHAEOLOGICAL INVENTORY

for official use only

*Response required for acceptance of form

Coder _____
 Date _____

A. Identification

- *1. Type of Form (select as many as appropriate):
 New Form Revised Form Transcribed Data
- 2. County Pike *3 Trinomial State Site Number 33- PK - 313
- 4. Site Name(s) _____
- 5. Project Site Number Location #16
- 6. Other State Site Number _____
- 7. Source (of Item A.5. and/or A.6.) DVAE Field notes

B. Location

- *1. UTM Zone _____ 16 or 17
 Easting 3 2 8 3 8 3 _____
 Northing 4 3 2 1 4 8 8 _____
- 2. Latitude _____
 Longitude _____
- *3. Township 4N Range 21W Not Applicable _____
 Section 8 1/4 Section: _____ SW _____ SE NW _____ NE
 Township Name Scioto
- *4. Quadrangle Name Waverly South 1 9
- *5. Quadrangle Date 1992
- *6. Confident of Site Location Yes No

C. Ownership

- *1 Name(s) U.S. Department of Energy - PORTS
 Address 3930 U.S. 23 South
 City/Town, State, Zip Pikeston, OH 45661
 Phone (____) _____
- 2 Tenant (if any) _____
 Address _____
 City/Town, State, Zip _____
 Phone (____) _____
- *3. Ownership Status (select only one, as appropriate):
 Private (single) Private (multiple) Local Govt.
 State Govt. Federal Govt. Multiple Govt.
 Mixed-Govt./Private Unknown

D. Temporal Affiliations

- *1 Affiliations Present (select only one, as appropriate)
 Prehistoric Historic Prehistoric and Historic
 Unknown Unrecorded

Site No. 33- PK - 313
 Plotted

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Prehistoric

*2. Prehistoric Temporal Period(s) Represented (select as many as appropriate)

- Unassigned Prehistoric Paleoindian
- Archaic: Unassigned Early Middle Late
- Woodland: Unassigned Early Middle Late
- Late Prehistoric Protohistoric Other (specify) _____

*3. Minimum Number of Prehistoric Temporal Periods Represented _____

*4. Basis for Assignment of Prehistoric Temporal Period(s) (select as many as appropriate):

- Diagnostic Artifacts Diagnostic Features Radiometric
- Unrecorded Other (specify) _____

5. Prehistoric Cultural Component(s) Represented (see manual):

- a. _____
- b. _____
- c. _____
- d. _____
- e. _____
- f. _____

6. Describe how Prehistoric Temporal Period(s) and Cultural Component(s) were determined (list diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features please specify Prehistoric Cultural Component(s) by using letter designations from Item D.5.

Researcher _____

*7. Categories of Prehistoric Materials Present at Site (select as many as appropriate)

- Lithics Ceramics Metal Faunal Remains Floral Remains
- Human Skeletal Remains Unrecorded Other (specify) _____

8. Specific Prehistoric Cultural Materials Collected:

Type	Count	Type	Count

Historic

*9. Affiliation Present (select only one, as appropriate):

- Aboriginal Non-Aboriginal Both Undetermined

*10. Historic Temporal Period(s) Represented (select as many as appropriate):

- a. Pre-1795 b. 1796-1829 c. 1830-1849
- d. 1850-1879 e. 1880-1899 f. 1900-1929
- g. 1930-1949 h. 1950-1974 i. 1975-2000
- j. Historic k. 18th Century l. 19th Century
- m. 20th Century n. Historic Aboriginal

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*11. Minimum Number of Historic Temporal Periods Represented 3

*12. Basis for Assignment of Historic Temporal Period(s) (select as many as appropriate):

- Diagnostic Artifacts Diagnostic Architectural Remains
 Diagnostic Features Documentary Evidence Oral Tradition
 Unrecorded Other (specify) _____

13. Describe how Historic Temporal Period(s) were determined (list any diagnostic architectural remains, diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features specify Historic Temporal Period(s) by using letter designations from Item D.10.

Researcher _____

*14. Functional Categories of Historic Materials Present at Site (select as many as appropriate):

- Kitchen Furniture Personal
 Toys & Games Printed Matter Religious/Ceremonial
 Military Weapons Transportation
 Architectural Misc. Hardware Const./Manufacturing Tools
 Agricultural Fuel/Energy Food Remains
 Clothing Unrecorded Unknown
 Other (specify) Landscape

15. Specific Historic Cultural Materials Collected:

Type	Count	Type	Count
<u>None collected</u>			

General

16. Describe Prehistoric and/or Historic Cultural Materials observed but not collected. State reason(s) for not collecting.

Bark cut; Yucca plant; Rock pile

17. Affiliated Ohio Historic Inventory Site Number and Name:

for official use only

E. Physical Description

*1. Archaeological Setting (select only one, as appropriate):

- Rockshelter/Cave
- Open
- Unrecorded
- Unknown
- Submerged
- Other (specify) _____

*2. Prehistoric Site (select as many as appropriate):

- Habitation: Camp Village Hamlet Unspecified Habitation
- Extractive: Quarry Workshop
- Ceremonial: Unspecified Mound Earth Mound Stone Mound
- Effigy Mound Mound Group Hilltop Enclosure
- Geometrical Earthwork Cemetery Isolated Burial(s)
- Petroglyph/Pictograph
- Other: Unknown Unrecorded Other (specify) _____

*3. Historic Site Type (select as many as appropriate):

- Residential
- Commercial
- Social
- Government
- Religious
- Educational
- Mortuary
- Recreation
- Subsistence
- Industrial
- Health Care
- Military
- Transportation
- Unrecorded
- Unknown
- Other (specify) _____

4. State the bases on which site type assignment(s) were made.

*5. Site Condition (select only one, as appropriate):

- Undisturbed
- Disturbed - Extent Unknown
- Fully Disturbed
- Destroyed
- Unrecorded
- Unknown

*6. Dominant Agent(s) of Disturbance (select as many as appropriate):

- None Apparent
- Agriculture
- Historic Construction
- Water
- Transportation
- Archaeological Excavation
- Mining
- Vandalism
- Unrecorded
- Other (specify) _____

7. Nature of Disturbance/Destruction:

*8. Current Dominant Land Use (see manual):

Fallow

9. Land Use History:

*10. Site Elevation 218 Meters A.M.S.L. (elevation to be taken from UTM point)

*11. Physiographic Setting of Site (select only one, as appropriate):

- Lake Plain
- Lexington Peneplain
- Unglaciaded Plateau
- Till Plain
- Glaciaded Plateau
- Unrecorded

for official use only

*12. Glacial Geomorphology (select only one, as appropriate):

- Not Applicable
- Kansan Ground Moraine
- Illinoian Ground Moraine
- Illinoian Outwash
- Wisconsin Ground Moraine
- Unrecorded
- Wisconsin End/Lateral Moraine
- Wisconsin Kame/Kettle/Esker/Drumlin
- Wisconsin Lacustrine Deposit
- Post Wisconsin Lacustrine Deposit
- Wisconsin Outwash
- Other (specify) _____

*13. Regional Geomorphological Setting (select only one, as appropriate).

- Stream Valley
- Hill or Ridge Top
- Upland Hill Slope
- Lake Plains Interfluvial Zone
- Beach Ridge
- Unrecorded

*14. Local Environmental Setting (select only one, as appropriate)

- Terrace: Unknown T-1 T-2 T-3 T-4
- Beach Ridge
- Low Rise on Floodplain
- Esker
- Bluff
- Closed Depression
- Terrace Remnant
- Alluvium
- Moraine
- Bluff Base
- Unrecorded
- Natural Levee
- Floodplain
- Island
- Kame
- Drumlin
- Glacial Hummock
- Wetland Hummock
- Bluff Edge
- Saddle
- Hill or Ridge Top
- Other (specify) _____

*15. Soils:

- Soil Association Omaha
- Soil Series-Phase/Complex Coolville - Blairton association, rolling (CpC)
- Reference 1990 USDA-SCS
Soil Survey of Pike County, Ohio

*16. Down Slope Direction (select only one, as appropriate)

- N
- NW
- S
- SW
- Unrecorded
- NE
- SE
- W
- Other (specify) _____
- All
- Flat

*17. Slope Gradient (percent) 0 Unrecorded _____

*18. Drainage System (see manual):

- Major Drainage Scioto River
- Minor Drainage Little Beaver Creek

*19. Closest Water Source (select only one, as appropriate):

- Name: Unnamed tributary of Little Beaver Creek
- Permanent Stream
- Permanent Spring
- Slough/Oxbow Lake
- Artificial Stream/Ditch (historic sites only)
- Other (specify) _____
- Lake/Pond
- Swamp/Bog
- Artificial Lake/Pond (historic sites only)
- Unrecorded
- Ephemeral Stream
- Intermittent Spring/Seep

*20. Horizontal Distance to Closest Water Source 116 (meters from UTM point)

*21. Elevation Above Closest Water Source _____ (meters A.M.S.L. from UTM point)

F. Reporting Information

*1. Investigation Type (select as many as appropriate)

- Reported
- Auger/Soil Corer
- Deep Test(s)
- Mitigation/Block Excavation
- Remote Sensing (specify) _____
- Chemical Analysis (specify) _____
- Unrecorded
- Examination of Collection
- Shovel Test(s)
- PZ or Humus Removal
- Aerial Photograph
- Surface Collection
- Test Pit(s)
- Testing/Excav. (strategy unknown)
- Test Trench(es)
- Other (specify) Visual Inspection

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*2. Surface Collection Strategy (select as many as appropriate):

- Not Applicable Grab Sample Diagnostics
- Controlled-Unknown Controlled-Total
- Controlled-Sample Unrecorded
- Other (specify) _____

3. If surface collection strategy is Controlled-Total, Controlled-Sample, or Other, describe methodology and percentage.

4. Surface Visibility (select only one, as appropriate):

- None Less than 10% 11-50%
- 51-90% 91-100% Unrecorded

5. Describe surface conditions.

*6. Site Area (square meters) 7432

Unrecorded

*7. Basis for Site Area Estimate (select only one, as appropriate):

- Gessed Historic Maps Aerial Photograph Paced
- Taped Transit/Alidade Range Finder Unrecorded
- Other (specify) GPS

*8. Confidence of Site Boundaries: No Yes Unrecorded

9. Estimated Percentage of Site Excavated Unrecorded Unknown

*10. Name of Form Preparer Stephen H. Biehl

*11. Institution Blue Valley Archaeology, Inc.

*12. Date of Form (year/month) 2011/08

*13. Field Date (year/month) 2011/07

14. Time Spent at Site _____

15. Weather Conditions _____

16. Name(s), Address(es), Phone Number(s) of Local Informants

*17. Artifact Repository (ies) None collected

18. Name(s), Address(es), Phone Number(s) of Owners of Collections From Site (attach inventories of private collections).

for official use only

19. Photographs (select as many as appropriate):

No. of Slides _____ No. of Prints _____
Aerials: _____ Black/White _____ Color _____ Infrared

20. Name and Address of Institution Where Photos Are Filed (include photo log number if available)

*21. National Register Status (select only one, as appropriate).

- National Register Property†
 - Determined Eligible for National Register†
 - National Register Status Not Assessed
 - Removed from National Register†
 - Determined Not Eligible†
- †Determination made by Keeper of the National Register (date) _____

22. State Registry Status (select only one, as appropriate)

- State Registry Listed†
 - Not Assessed for State Registry
 - Removed from State Registry†
 - Determined Not Eligible†
- †Determination made by Ohio Historical Society (date) _____

23. Discuss the potential significance of the site (does it meet National Register and/or State Registry criteria of significance in your opinion? Why or why not? Upon what evidence have you based your opinion?)

*24. Special Status (select only one, as appropriate):

- | | | |
|--------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------------------|
| <input type="checkbox"/> None | <input type="checkbox"/> Wilderness Area | <input type="checkbox"/> Wildlife Preserve |
| <input type="checkbox"/> Park | <input type="checkbox"/> Scenic River | <input type="checkbox"/> Nature Preserve |
| <input type="checkbox"/> Forest | <input type="checkbox"/> Military Installation | <input type="checkbox"/> Archaeological Preserve |
| <input type="checkbox"/> Archaeological District | | <input type="checkbox"/> Unknown |
| <input checked="" type="checkbox"/> Other (specify) <u>Decommissioned Nuclear Facility</u> | | |

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***G. References** - List Primary Documentary References (see manual).

1. Pecora, Albert H.
2011 Preliminary Reconnaissance Survey for Eighteen Historic-
Era Structure Locations within the Portsmouth
Geosens. Diffusion Area (PORTS), Pike County, Ohio.
2. _____

3. _____

H. Radiometric Dates

1. Material(s) Dated _____
 Date (uncorrected C14 years) _____
 Laboratory _____
 Sample # _____
 Reference(s) _____
2. Material(s) Dated _____
 Date (uncorrected C14 years) _____
 Laboratory _____
 Sample # _____
 Reference(s) _____
3. Additional Radiometric Dates Yes _____ No _____
 (use Continuation Section to list other dates)

I. Description of Site

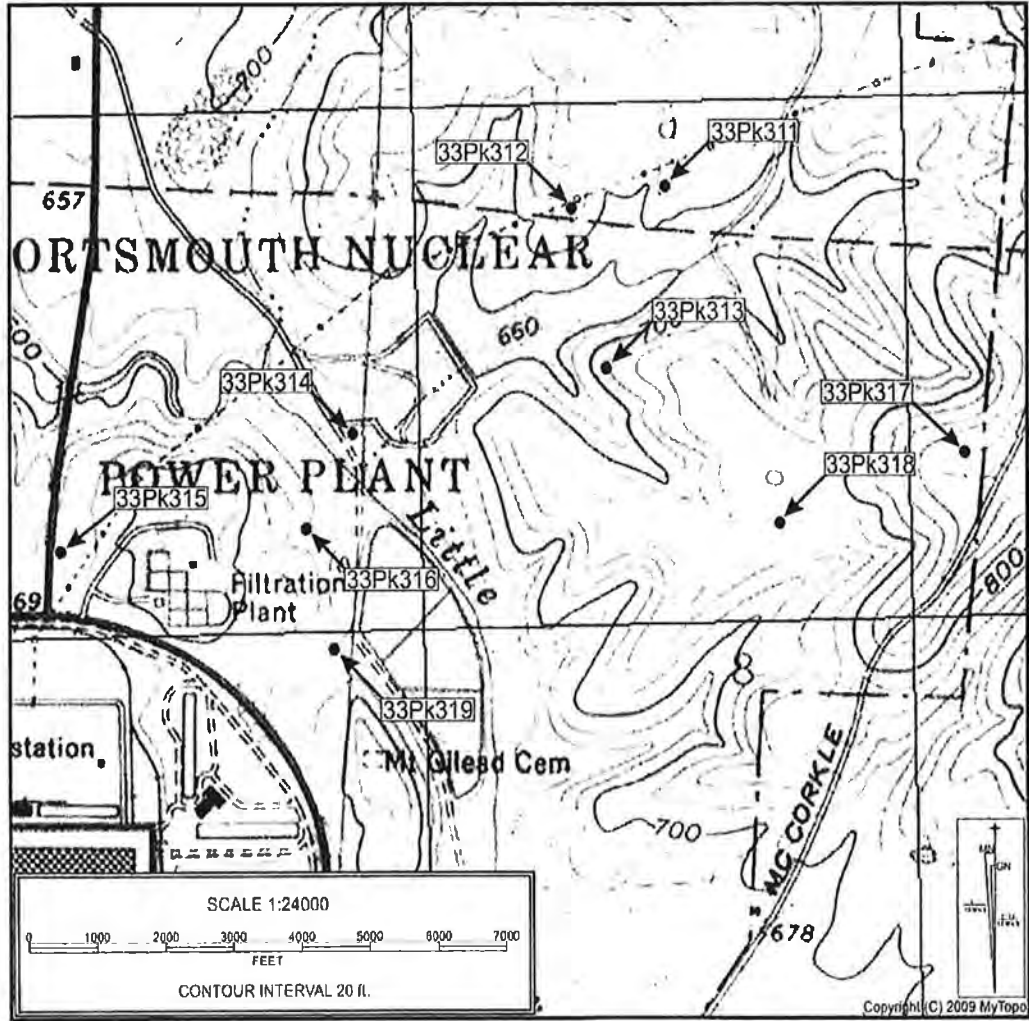
- *1. State physical description of the site and its setting, including dimensions, features (with measurements), nature and location of artifacts and concentrations, extent and location of disturbances, etc. See Pecora 2011

- *2. Discuss the relationship between the site and other known sites in the area in terms of location, physical characteristics, size, etc. *This site is similar to other known sites in the area in terms of representing an abandoned farmstead within the PORTS facility.*

J. Continuation Section: Specify Section & Item (use additional Continuation Sheet(s) if necessary)

***K. Sketch Map or Copy of Project Map of Site**

Include north arrow and scale. Attach a Xeroxed section of the appropriate U.S.G.S. quadrangle on a separate sheet. Outline total area surveyed and include locations of all identified sites on the Xerox of the quadrangle.



*Site Location Permanent Feature	Distance (m)	Direction/Bearing from Site to Terrain Feature

Ohio Historic Preservation Office
 567 East Hudson Street
 Columbus, Ohio 43211-1030
 614/298-2000
 Fax: 298-2037



*Site No. 33- PK - 314

OHIO ARCHAEOLOGICAL INVENTORY

for official use only

*Response required for acceptance of form

Coder _____
 Date _____

A. Identification

- *1 Type of Form (select as many as appropriate):
 New Form Revised Form Transcribed Data
- 2 County Pike *3. Trinomial State Site Number 33- PK - 314
- 4 Site Name(s) Fortee Church
- 5 Project Site Number Location #17
- 6 Other State Site Number _____
- 7 Source (of Item A.5. and/or A.6.) OVAE field notes

B. Location

- *1. UTM Zone _____ 16 or 17
 Easting 3 2 7 8 7 6
 Northing 4 3 2 1 3 7 6
- 2. Latitude _____
 Longitude _____
- *3. Township 4N Range 21W Not Applicable _____
 Section 7 1/4 Section: _____ SW _____ SE _____ NW NE
 Township Name Scioto
- *4. Quadrangle Name Waverly South
- *5. Quadrangle Date 1992
- *6. Confident of Site Location Yes No

C. Ownership

- *1. Name(s) U. S. Department of Energy - PORTS
 Address 3930 U. S. 23 South
 City/Town, State, Zip Pikeston, OH 45661
 Phone (____) _____
- 2. Tenant (if any) _____
 Address _____
 City/Town, State, Zip _____
 Phone (____) _____
- *3. Ownership Status (select only one, as appropriate):
 Private (single) Private (multiple) Local Govt.
 State Govt. Federal Govt Multiple Govt.
 Mixed-Govt./Private Unknown

D. Temporal Affiliations

- *1 Affiliations Present (select only one, as appropriate):
 Prehistoric Historic Prehistoric and Historic
 Unknown Unrecorded

*Site No. 33- PK - 314
 Plotted

for official use only

Prehistoric

*2. Prehistoric Temporal Period(s) Represented (select as many as appropriate)

- Unassigned Prehistoric Paleoindian
- Archaic: Unassigned Early Middle Late
- Woodland: Unassigned Early Middle Late
- Late Prehistoric Protohistoric Other (specify) _____

*3. Minimum Number of Prehistoric Temporal Periods Represented _____

*4. Basis for Assignment of Prehistoric Temporal Period(s) (select as many as appropriate):

- Diagnostic Artifacts Diagnostic Features Radiometric
- Unrecorded Other (specify) _____

5. Prehistoric Cultural Component(s) Represented (see manual)

- a. _____
- b. _____
- c. _____
- d. _____
- e. _____
- f. _____

6. Describe how Prehistoric Temporal Period(s) and Cultural Component(s) were determined (list diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features please specify Prehistoric Cultural Component(s) by using letter designations from Item D.5.

Researcher: _____

*7. Categories of Prehistoric Materials Present at Site (select as many as appropriate)

- Lithics Ceramics Metal Faunal Remains Floral Remains
- Human Skeletal Remains Unrecorded Other (specify) _____

8. Specific Prehistoric Cultural Materials Collected:

Type	Count	Type	Count

Historic

*9. Affiliation Present (select only one, as appropriate):

- Aboriginal Non-Aboriginal Both Undetermined

*10. Historic Temporal Period(s) Represented (select as many as appropriate)

- a. Pre-1795 b. 1796-1829 c. 1830-1849
- d. 1850-1879 e. 1880-1899 f. 1900-1929
- g. 1930-1949 h. 1950-1974 i. 1975-2000
- j. Historic k. 18th Century l. 19th Century
- m. 20th Century n. Historic Aboriginal

for official use only

*11 Minimum Number of Historic Temporal Periods Represented : 3

*12. Basis for Assignment of Historic Temporal Period(s) (select as many as appropriate):

- Diagnostic Artifacts Diagnostic Architectural Remains
 Diagnostic Features Documentary Evidence Oral Tradition
 Unrecorded Other (specify) _____

13. Describe how Historic Temporal Period(s) were determined (list any diagnostic architectural remains, diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features specify Historic Temporal Period(s) by using letter designations from Item D.10

Researcher _____

*14. Functional Categories of Historic Materials Present at Site (select as many as appropriate)

- Kitchen Furniture Personal
 Toys & Games Printed Matter Religious/Ceremonial
 Military Weapons Transportation
 Architectural Misc. Hardware Const./Manufacturing Tools
 Agricultural Fuel/Energy Food Remains
 Clothing Unrecorded Unknown
 Other (specify) _____

15. Specific Historic Cultural Materials Collected:

Type	Count	Type	Count
<u>Container glass</u>	<u>4</u>		
<u>Window pane glass</u>	<u>23</u>		
<u>Cut nail-square</u>	<u>2</u>		

General

16. Describe Prehistoric and/or Historic Cultural Materials observed but not collected. State reason(s) for not collecting.

Large cut sandstone blocks; Cinder block

17. Affiliated Ohio Historic Inventory Site Number and Name:

for official use only

E. Physical Description

*1. Archaeological Setting (select only one, as appropriate):

- Rockshelter/Cave Open Unrecorded Unknown
 Submerged Other (specify) _____

*2. Prehistoric Site (select as many as appropriate):

- Habitation: Camp Village Hamlet Unspecified Habitation
 Extractive: Quarry Workshop
 Ceremonial: Unspecified Mound Earth Mound Stone Mound
 Effigy Mound Mound Group Hilltop Enclosure
 Geometrical Earthwork Cemetery Isolated Burial(s)
 Petroglyph/Pictograph
 Other: Unknown Unrecorded Other (specify) _____

*3. Historic Site Type (select as many as appropriate):

- Residential Commercial Social Government
 Religious Educational Mortuary Recreation
 Subsistence Industrial Health Care Military
 Transportation Unrecorded Unknown
 Other (specify) _____

4. State the bases on which site type assignment(s) were made.

*5. Site Condition (select only one, as appropriate):

- Undisturbed Disturbed - Extent Unknown Fully Disturbed
 Destroyed Unrecorded Unknown

*6. Dominant Agent(s) of Disturbance (select as many as appropriate):

- None Apparent Agriculture Historic Construction Water
 Transportation Archaeological Excavation Mining Vandalism
 Unrecorded Other (specify) _____

7. Nature of Disturbance/Destruction:

*8. Current Dominant Land Use (see manual):

Fallow

9. Land Use History:

*10. Site Elevation 191 Meters A.M.S.L. (elevation to be taken from UTM point)

*11. Physiographic Setting of Site (select only one, as appropriate):

- Lake Plain Lexington Peneplain Unglaciaded Plateau
 Till Plain Glaciaded Plateau Unrecorded

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*12. Glacial Geomorphology (select only one, as appropriate):

- Not Applicable
- Kansan Ground Moraine
- Illinoian Ground Moraine
- Illinoian Outwash
- Wisconsin Ground Moraine
- Unrecorded
- Wisconsin End/Lateral Moraine
- Wisconsin Kame/Kettle/Esker/Drumlin
- Wisconsin Lacustrine Deposit
- Post Wisconsin Lacustrine Deposit
- Wisconsin Outwash
- Other (specify) _____

*13. Regional Geomorphological Setting (select only one, as appropriate)

- Stream Valley
- Upland Hill Slope
- Beach Ridge
- Hill or Ridge Top
- Lake Plains Interfluvial Zone
- Unrecorded

*14. Local Environmental Setting (select only one, as appropriate):

- Terrace: Unknown T-1 T-2 T-3 T-4
- Beach Ridge
- Low Rise on Floodplain
- Esker
- Bluff
- Closed Depression
- Terrace Remnant
- Alluvium
- Moraine
- Bluff Base
- Unrecorded
- Natural Levee
- Floodplain
- Island
- Kame
- Drumlin
- Glacial Hummock
- Wetland Hummock
- Bluff Edge
- Saddle
- Hill or Ridge Top
- Other (specify) _____

*15. Soils:

Soil Association Omaha
 Soil Series-Phase/Complex Omaha silt loam (On B)
 Reference 1990 USDA-SCS
Soil Survey of Pike County, Ohio

*16. Down Slope Direction (select only one, as appropriate)

- N
- NW
- NE
- E
- All
- Flat
- S
- SW
- SE
- W
- Unrecorded

*17. Slope Gradient (percent) 3-8% Unrecorded

*18. Drainage System (see manual).

Major Drainage Scioto River
 Minor Drainage Little Beaver Creek

*19. Closest Water Source (select only one, as appropriate)

- Name: Little Beaver Creek
- Permanent Stream
 - Permanent Spring
 - Slough/Oxbow Lake
 - Artificial Stream/Ditch (historic sites only)
 - Other (specify) _____
 - Lake/Pond
 - Swamp/Bog
 - Artificial Lake/Pond (historic sites only)
 - Unrecorded
 - Ephemeral Stream
 - Intermittent Spring/Seep

*20. Horizontal Distance to Closest Water Source 61 (meters from UTM point)

*21. Elevation Above Closest Water Source _____ (meters A.M.S.L. from UTM point)

F. Reporting Information

*1 Investigation Type (select as many as appropriate)

- Reported
- Auger/Soil Corer
- Deep Test(s)
- Mitigation/Block Excavation
- Remote Sensing (specify) _____
- Chemical Analysis (specify) _____
- Unrecorded
- Examination of Collection
- Shovel Test(s)
- PZ or Humus Removal
- Aerial Photograph
- Surface Collection
- Test Pit(s)
- Testing/Excav (strategy unknown)
- Test Trench(es)
- Other (specify) Visual Inspection

for official use only

*2. Surface Collection Strategy (select as many as appropriate):

- Not Applicable Grab Sample Diagnostics
- Controlled-Unknown Controlled-Total
- Controlled-Sample Unrecorded
- Other (specify) _____

3. If surface collection strategy is Controlled-Total, Controlled-Sample, or Other, describe methodology and percentage.

4. Surface Visibility (select only one, as appropriate):

- None Less than 10% 11-50%
- 51-90% 91-100% Unrecorded

5. Describe surface conditions

*6. Site Area (square meters) 4645

Unrecorded

*7. Basis for Site Area Estimate (select only one, as appropriate):

- Gessed Historic Maps Aerial Photograph Paced
- Taped Transit/Alidade Range Finder Unrecorded
- Other (specify) GPS

*8. Confidence of Site Boundaries: No Yes Unrecorded

*9. Estimated Percentage of Site Excavated Unrecorded Unknown

*10. Name of Form Preparer Stephen H. Buell

*11. Institution Ohio Valley Archaeology, Inc.

*12. Date of Form (year/month) 2011/08

2 0 1

*13. Field Date (year/month) 2011/07

2 0 1

14. Time Spent at Site _____

15. Weather Conditions _____

16. Name(s), Address(es), Phone Number(s) of Local Informants

*17. Artifact Repository (ies) OVAI pending clearance by PORTS

18. Name(s), Address(es), Phone Number(s) of Owners of Collections From Site (attach inventories of private collections).

for official use only

19. Photographs (select as many as appropriate):

No. of Slides _____ No. of Prints _____
Aerials: _____ Black/White _____ Color _____ Infrared

20. Name and Address of Institution Where Photos Are Filed (include photo log number if available)

*21. National Register Status (select only one, as appropriate):

- National Register Property†
 - Determined Eligible for National Register†
 - National Register Status Not Assessed
 - Removed from National Register†
 - Determined Not Eligible†
- †Determination made by Keeper of the National Register (date) _____

22. State Registry Status (select only one, as appropriate):

- State Registry Listed†
 - Not Assessed for State Registry
 - Removed from State Registry†
 - Determined Not Eligible†
- †Determination made by Ohio Historical Society (date) _____

23. Discuss the potential significance of the site (does it meet National Register and/or State Registry criteria of significance in your opinion? Why or why not? Upon what evidence have you based your opinion?)

*24. Special Status (select only one, as appropriate):

- None
- Wilderness Area
- Wildlife Preserve
- Park
- Scenic River
- Nature Preserve
- Forest
- Military Installation
- Archaeological Preserve
- Archaeological District
- Unknown
- Other (specify) Decommissioned Nuclear Facility

for official use only

***G. References** - List Primary Documentary References (see manual):

1. Recona, Albert H.
2011 Preliminary Reconnaissance Survey for Fifteen
Historic-Era Structure Locations within the
Portsmouth Gaseous Diffusion Plant (MOTS),
Pike County, Ohio.
2. _____
3. _____

H. Radiometric Dates

1. Material(s) Dated _____
Date (uncorrected C14 years) _____
Laboratory _____
Sample # _____
Reference(s) _____
2. Material(s) Dated _____
Date (uncorrected C14 years) _____
Laboratory _____
Sample # _____
Reference(s) _____
3. Additional Radiometric Dates Yes _____ No _____
(use Continuation Section to list other dates)

I. Description of Site

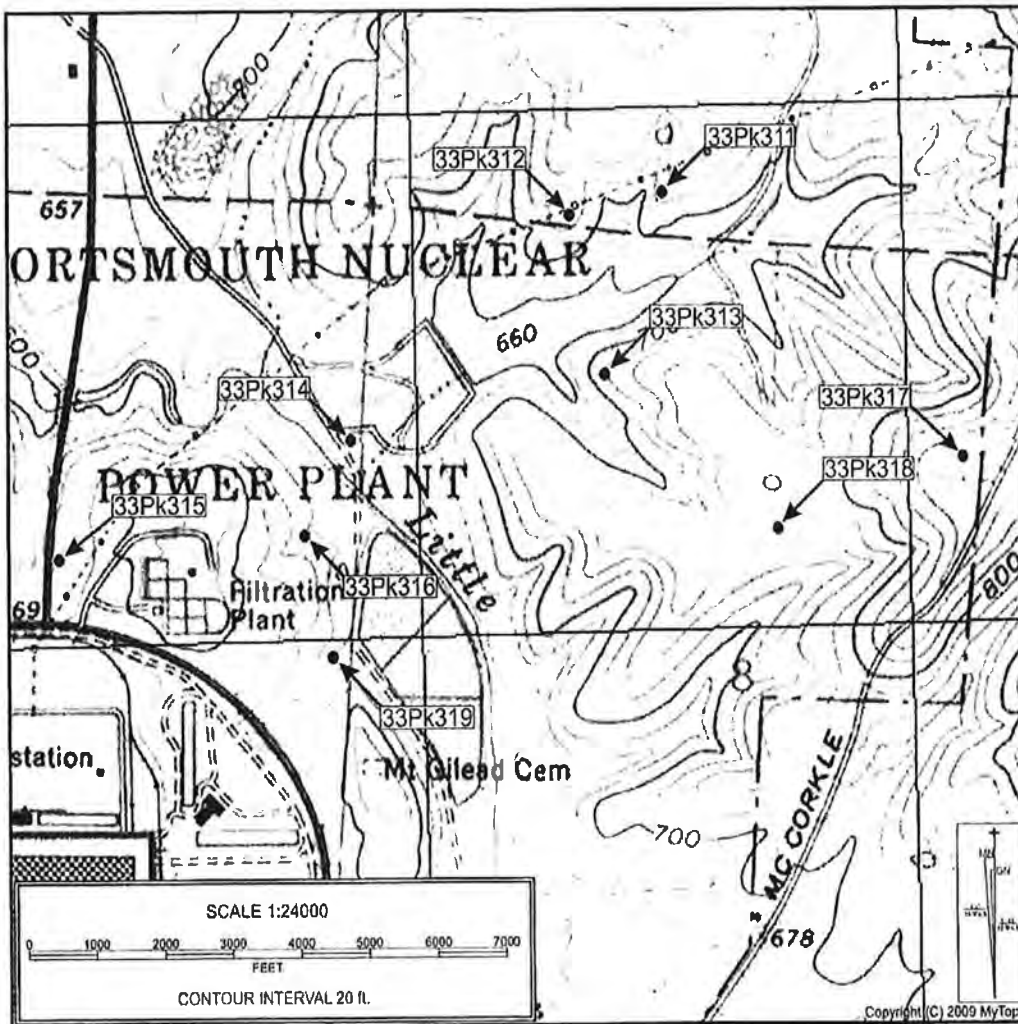
- *1. State physical description of the site and its setting, including dimensions, features (with measurements), nature and location of artifacts and concentrations, extent and location of disturbances, etc. See Recona 2011

*2. Discuss the relationship between the site and other known sites in the area in terms of location, physical characteristics, size, etc. *No comparisons can be made at this time.*

J. Continuation Section: Specify Section & Item (use additional Continuation Sheet(s) if necessary)

***K. Sketch Map or Copy of Project Map of Site**

Include north arrow and scale. Attach a Xeroxed section of the appropriate U.S.G.S. quadrangle on a separate sheet. Outline total area surveyed and include locations of all identified sites on the Xerox of the quadrangle.



*Site Location Permanent Feature	Distance (m)	Direction/Bearing from Site to Terrain Feature

Ohio Historic Preservation Office
 567 East Hudson Street
 Columbus, Ohio 43211-1030
 614/298-2000
 Fax: 298-2037



*Site No 33- PK - 315

OHIO ARCHAEOLOGICAL INVENTORY

for official use only

*Response required for acceptance of form

Coder _____
 Date _____

A. Identification

*1. Type of Form (select as many as appropriate):

New Form Revised Form Transcribed Data

2. County Pike *3. Trinomial State Site Number 33- PK - 315

4. Site Name(s) _____

5. Project Site Number Location #19

6. Other State Site Number _____

7. Source (of Item A.5 and/or A.6.) OVAI field notes

B. Location

*1. UTM Zone _____ 16 or 17

Easting 3 2 7 2 7 8

Northing 4 3 2 1 1 6 8

2. Latitude _____

Longitude _____

*3. Township 4N Range 21W Not Applicable _____

Section 7 1/4 Section: _____ SW _____ SE _____ NW _____ NE

Township Name Scioto

*4. Quadrangle Name Waverly South

*5. Quadrangle Date 1992

*6. Confident of Site Location Yes No

C. Ownership

*1. Name(s) U.S. Department of Energy - PORTS

Address 3930 U.S. 23 South

City/Town, State, Zip Pikeston, OH 45661

Phone (____) _____

2. Tenant (if any) _____

Address _____

City/Town, State, Zip _____

Phone (____) _____

*3. Ownership Status (select only one, as appropriate)

Private (single) Private (multiple) Local Govt.
 State Govt Federal Govt Multiple Govt
 Mixed-Govt./Private Unknown

D. Temporal Affiliations

*1. Affiliations Present (select only one, as appropriate)

Prehistoric Historic Prehistoric and Historic
 Unknown Unrecorded

Site No. 33- PK - 315
 Plotted

for official use only

Prehistoric

*2. Prehistoric Temporal Period(s) Represented (select as many as appropriate)

- Unassigned Prehistoric Paleoindian
 Archaic: Unassigned Early Middle Late
 Woodland: Unassigned Early Middle Late
 Late Prehistoric Protohistoric Other (specify) _____

*3. Minimum Number of Prehistoric Temporal Periods Represented _____

*4. Basis for Assignment of Prehistoric Temporal Period(s) (select as many as appropriate):

- Diagnostic Artifacts Diagnostic Features Radiometric
 Unrecorded Other (specify) _____

5. Prehistoric Cultural Component(s) Represented (see manual):

- a. _____
- b. _____
- c. _____
- d. _____
- e. _____
- f. _____

6. Describe how Prehistoric Temporal Period(s) and Cultural Component(s) were determined (list diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features please specify Prehistoric Cultural Component(s) by using letter designations from Item D.5

Researcher _____

*7. Categories of Prehistoric Materials Present at Site (select as many as appropriate)

- Lithics Ceramics Metal Faunal Remains Floral Remains
 Human Skeletal Remains Unrecorded Other (specify) _____

8. Specific Prehistoric Cultural Materials Collected:

Type	Count	Type	Count
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Historic

*9. Affiliation Present (select only one, as appropriate):

- Aboriginal Non-Aboriginal Both Undetermined

*10. Historic Temporal Period(s) Represented (select as many as appropriate):

- a. Pre-1795 b. 1796-1829 c. 1830-1849
- d. 1850-1879 e. 1880-1899 f. 1900-1929
- g. 1930-1949 h. 1950-1974 i. 1975-2000
- j. Historic k. 18th Century l. 19th Century
- m. 20th Century n. Historic Aboriginal

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*11. Minimum Number of Historic Temporal Periods Represented 3

*12. Basis for Assignment of Historic Temporal Period(s) (select as many as appropriate).

- Diagnostic Artifacts Diagnostic Architectural Remains
 Diagnostic Features Documentary Evidence Oral Tradition
 Unrecorded Other (specify) _____

13. Describe how Historic Temporal Period(s) were determined (list any diagnostic architectural remains, diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features specify Historic Temporal Period(s) by using letter designations from Item D.10.

Researcher _____

*14. Functional Categories of Historic Materials Present at Site (select as many as appropriate):

- Kitchen Furniture Personal
 Toys & Games Printed Matter Religious/Ceremonial
 Military Weapons Transportation
 Architectural Misc. Hardware Const./Manufacturing Tools
 Agricultural Fuel/Energy Food Remains
 Clothing Unrecorded Unknown
 Other (specify) _____

15. Specific Historic Cultural Materials Collected:

Type	Count	Type	Count
<u>Container glass</u>	<u>35</u>		
<u>Nail - corroded</u>	<u>15</u>		
<u>Unidentified metal frags.</u>	<u>6</u>		
<u>Well pump</u>	<u>1</u>		
<u>Mortar/cement</u>	<u>1</u>		

General

16. Describe Prehistoric and/or Historic Cultural Materials observed but not collected. State reason(s) for not collecting.

Well pump; mortar/cement

17. Affiliated Ohio Historic Inventory Site Number and Name:

for official use only

E. Physical Description

*1. Archaeological Setting (select only one, as appropriate)

- Rockshelter/Cave Open Unrecorded Unknown
- Submerged Other (specify) _____

*2. Prehistoric Site (select as many as appropriate):

- Habitation: Camp Village Hamlet Unspecified Habitation
- Extractive: Quarry Workshop
- Ceremonial: Unspecified Mound Earth Mound Stone Mound
- Effigy Mound Mound Group Hilltop Enclosure
- Geometrical Earthwork Cemetery Isolated Burial(s)
- Petroglyph/Pictograph
- Other: Unknown Unrecorded Other (specify) _____

*3. Historic Site Type (select as many as appropriate):

- Residential Commercial Social Government
- Religious Educational Mortuary Recreation
- Subsistence Industrial Health Care Military
- Transportation Unrecorded Unknown
- Other (specify) _____

4. State the bases on which site type assignment(s) were made.

*5. Site Condition (select only one, as appropriate):

- Undisturbed Disturbed - Extent Unknown Fully Disturbed
- Destroyed Unrecorded Unknown

*6. Dominant Agent(s) of Disturbance (select as many as appropriate)

- None Apparent Agriculture Historic Construction Water
- Transportation Archaeological Excavation Mining Vandalism
- Unrecorded Other (specify) _____

7. Nature of Disturbance/Destruction:

*8. Current Dominant Land Use (see manual):

Fallow

9. Land Use History:

*10. Site Elevation 201 Meters A.M.S.L. (elevation to be taken from UTM point)

*11. Physiographic Setting of Site (select only one, as appropriate):

- Lake Plain Lexington Peneplain Unglaciaded Plateau
- Till Plain Glaciaded Plateau Unrecorded

for official use only

*12. Glacial Geomorphology (select only one, as appropriate):

- Not Applicable
- Kansan Ground Moraine
- Illinoian Ground Moraine
- Illinoian Outwash
- Wisconsin Ground Moraine
- Unrecorded
- Wisconsin End/Lateral Moraine
- Wisconsin Kame/Kettle/Esker/Drumlin
- Wisconsin Lacustrine Deposit
- Post Wisconsin Lacustrine Deposit
- Wisconsin Outwash
- Other (specify) _____

*13. Regional Geomorphological Setting (select only one, as appropriate):

- Stream Valley
- Hill or Ridge Top
- Upland Hill Slope
- Lake Plains Interfluvial Zone
- Beach Ridge
- Unrecorded

*14. Local Environmental Setting (select only one, as appropriate):

- Terrace: Unknown T-1 T-2 T-3 T-4
- Beach Ridge
- Low Rise on Floodplain
- Esker
- Bluff
- Closed Depression
- Terrace Remnant
- Alluvium
- Moraine
- Bluff Base
- Unrecorded
- Natural Levee
- Island
- Glacial Hummock
- Bluff Edge
- Other (specify) _____
- Floodplain
- Kame
- Welland Hummock
- Hill or Ridge Top
- Drumlin

*15. Soils:

- Soil Association Oxulga
- Soil Series-Phase/Complex Urbansland - Oxulga Complex
- Reference 1990 USDA-SSS
Soil Survey of Pike County, Ohio

*16. Down Slope Direction (select only one, as appropriate):

- N
- NW
- NE
- E
- All
- Flat
- S
- SW
- SE
- W
- Unrecorded

*17. Slope Gradient (percent) 0-6% Unrecorded _____

*18. Drainage System (see manual):

- Major Drainage Scioto River
- Minor Drainage Little Beaver Creek

*19. Closest Water Source (select only one, as appropriate):

- Name: Unnamed tributary of Little Beaver Creek
- Permanent Stream
- Permanent Spring
- Slough/Oxbow Lake
- Artificial Stream/Ditch (historic sites only)
- Other (specify) _____
- Lake/Pond
- Swamp/Bog
- Artificial Lake/Pond (historic sites only)
- Ephemeral Stream
- Intermittent Spring/Seep
- Unrecorded

*20. Horizontal Distance to Closest Water Source 295 (meters from UTM point)

21. Elevation Above Closest Water Source _____ (meters A.M.S.L. from UTM point)

F. Reporting Information

*1. Investigation Type (select as many as appropriate):

- Reported
- Auger/Soil Corer
- Deep Test(s)
- Mitigation/Block Excavation
- Remote Sensing (specify) _____
- Chemical Analysis (specify) _____
- Unrecorded
- Examination of Collection
- Shovel Test(s)
- PZ or Humus Removal
- Aerial Photograph
- Test Pit(s)
- Testing/Excav. (strategy unknown)
- Test Trench(es)
- Other (specify) Visual Inspection

for official use only

*2. Surface Collection Strategy (select as many as appropriate):

- Not Applicable Grab Sample Diagnostics
- Controlled-Unknown Controlled-Total
- Controlled-Sample Unrecorded
- Other (specify) _____

3. If surface collection strategy is Controlled-Total, Controlled-Sample, or Other, describe methodology and percentage.

4. Surface Visibility (select only one, as appropriate):

- None Less than 10% 11-50%
- 51-90% 91-100% Unrecorded

5. Describe surface conditions.

*6. Site Area (square meters) 4645

Unrecorded

*7. Basis for Site Area Estimate (select only one, as appropriate):

- Guessed Historic Maps Aerial Photograph Paced
- Taped Transit/Alidade Range Finder Unrecorded
- Other (specify) GPS

*8. Confident of Site Boundaries: No Yes Unrecorded

*9. Estimated Percentage of Site Excavated Unrecorded Unknown

*10. Name of Form Preparer Stephen H. Biehl

*11. Institution Ohio Valley Archaeology, Inc.

*12. Date of Form (year/month) 2011/08

*13. Field Date (year/month) 2011/07

14. Time Spent at Site _____

15. Weather Conditions _____

16. Name(s), Address(es), Phone Number(s) of Local Informants

*17. Artifact Repository (ies) OVAI pending acceptance by PORTS

18. Name(s), Address(es), Phone Number(s) of Owners of Collections From Site (attach inventories of private collections).

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19. Photographs (select as many as appropriate):

No. of Slides _____ No. of Prints _____
Aerials: _____ Black/White _____ Color _____ Infrared

20. Name and Address of Institution Where Photos Are Filed (include photo log number if available)

*21. National Register Status (select only one, as appropriate).

- National Register Property†
 - Determined Eligible for National Register†
 - National Register Status Not Assessed
 - Removed from National Register†
 - Determined Not Eligible†
- †Determination made by Keeper of the National Register (date) _____

22. State Registry Status (select only one, as appropriate)

- State Registry Listed†
 - Not Assessed for State Registry
 - Removed from State Registry†
 - Determined Not Eligible†
- †Determination made by Ohio Historical Society (date) _____

23. Discuss the potential significance of the site (does it meet National Register and/or State Registry criteria of significance in your opinion? Why or why not? Upon what evidence have you based your opinion?)

*24. Special Status (select only one, as appropriate):

- None
- Wilderness Area
- Wildlife Preserve
- Park
- Scenic River
- Nature Preserve
- Forest
- Military Installation
- Archaeological Preserve
- Archaeological District
- Unknown
- Other (specify) Decommissioned Nuclear Facility

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***G. References** - List Primary Documentary References (see manual).

1. Pecora, Albert M.
2011 Preliminary Reconnaissance Survey for Fifteen
Historic-Era Structure Locations within the
Portsmouth Gaseous Diffusion Plant (PGDS),
Pike County, Ohio
2. _____

3. _____

H. Radiometric Dates

1. Material(s) Dated _____
Date (uncorrected C14 years) _____
Laboratory _____
Sample # _____
Reference(s) _____
2. Material(s) Dated _____
Date (uncorrected C14 years) _____
Laboratory _____
Sample # _____
Reference(s) _____
3. Additional Radiometric Dates Yes _____ No _____
(use Continuation Section to list other dates)

I. Description of Site

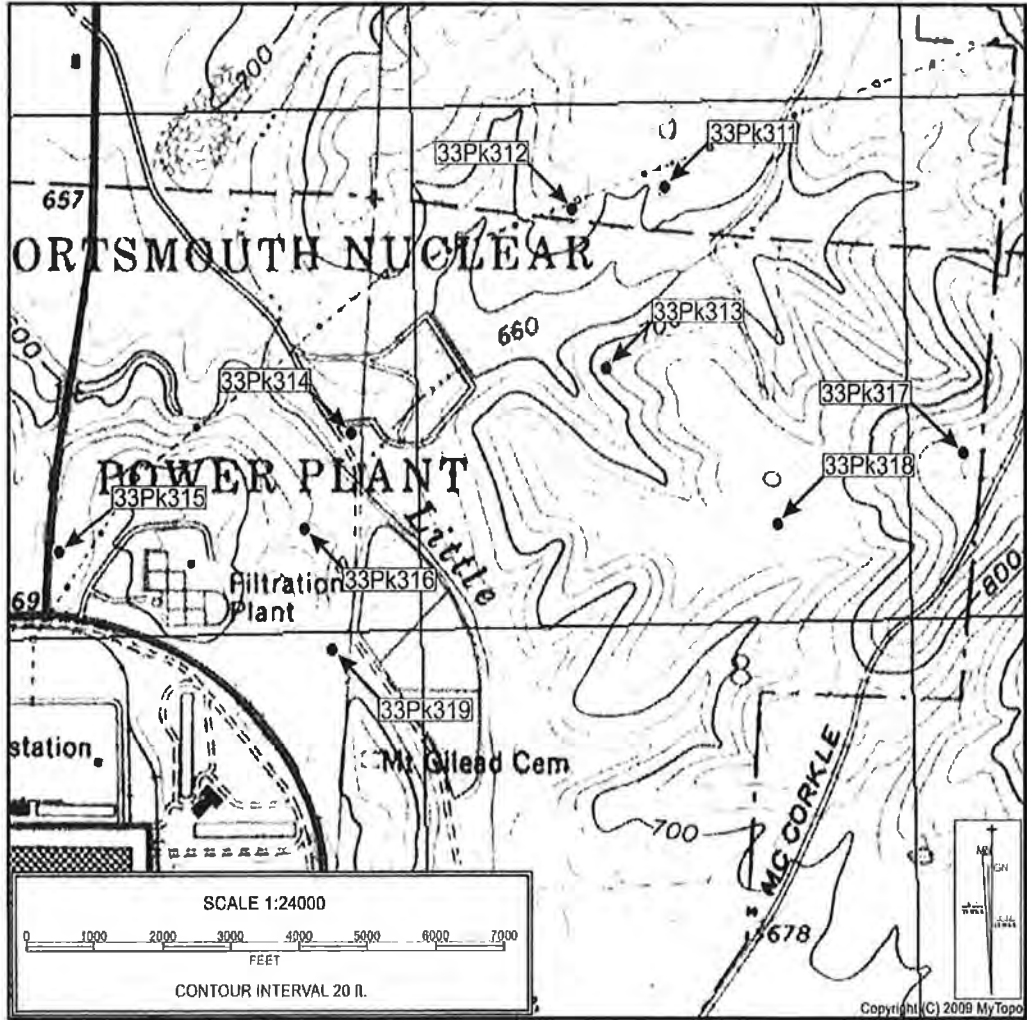
- *1. State physical description of the site and its setting, including dimensions, features (with measurements), nature and location of artifacts and concentrations, extent and location of disturbances, etc.
See Pecora 2011

*2. Discuss the relationship between the site and other known sites in the area in terms of location, physical characteristics, size, etc. *This site is similar to other known sites in the area in terms of representing an abandoned farmland within the PORTS Facility.*

J. Continuation Section: Specify Section & Item (use additional Continuation Sheet(s) if necessary)

***K. Sketch Map or Copy of Project Map of Site**

Include north arrow and scale. Attach a Xeroxed section of the appropriate U.S.G.S. quadrangle on a separate sheet. Outline total area surveyed and include locations of all identified sites on the Xerox of the quadrangle.



*Site Location Permanent Feature	Distance (m)	Direction/Bearing from Site to Terrain Feature

Ohio Historic Preservation Office
 567 East Hudson Street
 Columbus, Ohio 43211-1030
 614/298-2000
 Fax: 298-2037



*Site No. 33- PK-316

OHIO ARCHAEOLOGICAL INVENTORY

for official use only

*Response required for acceptance of form

Coder _____
 Date _____

A. Identification

- *1. Type of Form (select as many as appropriate):
 New Form Revised Form Transcribed Data
- 2. County Pike *3. Trinomial State Site Number 33- PK-316
- 4. Site Name(s) _____
- 5. Project Site Number Location #20
- 6. Other State Site Number _____
- 7. Source (of Item A.5. and/or A.6.) OVAE field notes

B. Location

- *1. UTM Zone ____ 16 or 17
 Easting 3 2 7 7 4 _____ U
 Northing 4 3 2 1 9 4 _____ 0
- 2. Latitude _____
 Longitude _____
- *3. Township 4N Range 21W Not Applicable _____
 Section 7 1/4 Section: _____ SW _____ SE _____ NW NE
 Township Name Scioto
- *4. Quadrangle Name Waverly South 1 9
- *5. Quadrangle Date 1992
- *6. Confident of Site Location Yes No

C. Ownership

- *1. Name(s) U.S. Department of Energy - PORTS
 Address 3930 U.S. 23 South
 City/Town, State, Zip Pike, OH 45661
 Phone (____) _____
- 2. Tenant (if any) _____
 Address _____
 City/Town, State, Zip _____
 Phone (____) _____
- *3. Ownership Status (select only one, as appropriate)
 Private (single) Private (multiple) Local Govt
 State Govt. Federal Govt Multiple Govt.
 Mixed-Govt/Private Unknown

D. Temporal Affiliations

- *1. Affiliations Present (select only one, as appropriate)
 Prehistoric Historic Prehistoric and Historic
 Unknown Unrecorded

*Site No. 33- PK-316
 Plotted

for official use only

Prehistoric

*2. Prehistoric Temporal Period(s) Represented (select as many as appropriate)

- Unassigned Prehistoric Paleoindian
- Archaic: Unassigned Early Middle Late
- Woodland: Unassigned Early Middle Late
- Late Prehistoric Protohistoric Other (specify) _____

*3. Minimum Number of Prehistoric Temporal Periods Represented _____

*4. Basis for Assignment of Prehistoric Temporal Period(s) (select as many as appropriate):

- Diagnostic Artifacts Diagnostic Features Radiometric
- Unrecorded Other (specify) _____

5. Prehistoric Cultural Component(s) Represented (see manual):

- a. _____
- b. _____
- c. _____
- d. _____
- e. _____
- f. _____

6. Describe how Prehistoric Temporal Period(s) and Cultural Component(s) were determined (list diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features please specify Prehistoric Cultural Component(s) by using letter designations from Item D.5.

Researcher _____

*7. Categories of Prehistoric Materials Present at Site (select as many as appropriate)

- Lithics Ceramics Metal Faunal Remains Floral Remains
- Human Skeletal Remains Unrecorded Other (specify) _____

8. Specific Prehistoric Cultural Materials Collected:

Type	Count	Type	Count

Historic

*9. Affiliation Present (select only one, as appropriate):

- Aboriginal Non-Aboriginal Both Undetermined

*10. Historic Temporal Period(s) Represented (select as many as appropriate).

- a. Pre-1795 b. 1796-1829 c. 1830-1849
- d. 1850-1879 e. 1880-1899 f. 1900-1929
- g. 1930-1949 h. 1950-1974 i. 1975-2000
- j. Historic k. 18th Century l. 19th Century
- m. 20th Century n. Historic Aboriginal

for official use only

- *11. Minimum Number of Historic Temporal Periods Represented 1
- *12. Basis for Assignment of Historic Temporal Period(s) (select as many as appropriate)
 Diagnostic Artifacts Diagnostic Architectural Remains
 Diagnostic Features Documentary Evidence Oral Tradition
 Unrecorded Other (specify) _____
13. Describe how Historic Temporal Period(s) were determined (list any diagnostic architectural remains, diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features specify Historic Temporal Period(s) by using letter designations from Item D.10.
- _____

Researcher _____

- *14. Functional Categories of Historic Materials Present at Site (select as many as appropriate):
- | | | |
|---------------------------------------------------|-----------------------------------------|-----------------------------------------------------|
| <input type="checkbox"/> Kitchen | <input type="checkbox"/> Furniture | <input type="checkbox"/> Personal |
| <input type="checkbox"/> Toys & Games | <input type="checkbox"/> Printed Matter | <input type="checkbox"/> Religious/Ceremonial |
| <input type="checkbox"/> Military | <input type="checkbox"/> Weapons | <input type="checkbox"/> Transportation |
| <input checked="" type="checkbox"/> Architectural | <input type="checkbox"/> Misc. Hardware | <input type="checkbox"/> Const./Manufacturing Tools |
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Fuel/Energy | <input type="checkbox"/> Food Remains |
| <input type="checkbox"/> Clothing | <input type="checkbox"/> Unrecorded | <input type="checkbox"/> Unknown |
| <input type="checkbox"/> Other (specify) _____ | | |

15. Specific Historic Cultural Materials Collected:

Type	Count	Type	Count
<i>None collected</i>			

General

16. Describe Prehistoric and/or Historic Cultural Materials observed but not collected. State reason(s) for not collecting.
Large sandstone building blocks
- _____

17. Affiliated Ohio Historic Inventory Site Number and Name
- _____

for official use only

E. Physical Description

*1. Archaeological Setting (select only one, as appropriate)

- Rockshelter/Cave
- Open
- Unrecorded
- Unknown
- Submerged
- Other (specify) _____

*2. Prehistoric Site (select as many as appropriate):

- Habitation: Camp Village Hamlet Unspecified Habitation
- Extractive: Quarry Workshop
- Ceremonial: Unspecified Mound Earth Mound Stone Mound
- Effigy Mound Mound Group Hilltop Enclosure
- Geometrical Earthwork Cemetery Isolated Burial(s)
- Petroglyph/Pictograph
- Other: Unknown Unrecorded Other (specify) _____

*3. Historic Site Type (select as many as appropriate).

- Residential Commercial Social Government
- Religious Educational Mortuary Recreation
- Subsistence Industrial Health Care Military
- Transportation Unrecorded Unknown
- Other (specify) _____

4. State the bases on which site type assignment(s) were made

*5. Site Condition (select only one, as appropriate):

- Undisturbed
- Disturbed - Extent Unknown
- Fully Disturbed
- Destroyed
- Unrecorded
- Unknown

*6. Dominant Agent(s) of Disturbance (select as many as appropriate):

- None Apparent
- Agriculture
- Historic Construction
- Water
- Transportation
- Archaeological Excavation
- Mining
- Vandalism
- Unrecorded
- Other (specify) _____

7. Nature of Disturbance/Destruction:

*8. Current Dominant Land Use (see manual):

Fallow

9. Land Use History:

*10. Site Elevation 197 Meters A.M.S.L. (elevation to be taken from UTM point)

*11. Physiographic Setting of Site (select only one, as appropriate):

- Lake Plain
- Lexington Peneplain
- Unglaciaded Plateau
- Till Plain
- Glaciaded Plateau
- Unrecorded

for official use only

*12. Glacial Geomorphology (select only one, as appropriate):

- Not Applicable
- Kansan Ground Moraine
- Illinoian Ground Moraine
- Wisconsin Ground Moraine
- Unrecorded
- Wisconsin End/Lateral Moraine
- Wisconsin Kame/Kettle/Esker/Drumlin
- Wisconsin Lacustrine Deposit
- Post Wisconsin Lacustrine Deposit
- Wisconsin Outwash
- Other (specify) _____

*13. Regional Geomorphological Setting (select only one, as appropriate):

- Stream Valley
- Upland Hill Slope
- Beach Ridge
- Hill or Ridge Top
- Lake Plains Interfluvial Zone
- Unrecorded

*14. Local Environmental Setting (select only one, as appropriate):

- Terrace: Unknown T-1 T-2 T-3 T-4
- Beach Ridge
- Terrace Remnant
- Natural Levee
- Floodplain
- Low Rise on Floodplain
- Alluvium
- Island
- Kame
- Drumlin
- Esker
- Moraine
- Glacial Hummock
- Wetland Hummock
- Bluff
- Bluff Base
- Bluff Edge
- Saddle
- Hill or Ridge Top
- Closed Depression
- Unrecorded
- Other (specify) _____

*15. Soils:

Soil Association Oxwiga

Soil Series-Phase/Complex Latham - Wharton silt loam. (LdD)

Reference _____

*16. Down Slope Direction (select only one, as appropriate):

- N
- NW
- NE
- E
- All
- Flat
- S
- SW
- SE
- W
- Unrecorded

*17. Slope Gradient (percent) 15-25% Unrecorded _____

*18. Drainage System (see manual):

Major Drainage Scioto River

Minor Drainage Little Beaver Creek

*19. Closest Water Source (select only one, as appropriate):

Name: Little Beaver Creek

- Permanent Stream
- Lake/Pond
- Ephemeral Stream
- Permanent Spring
- Swamp/Bog
- Intermittent Spring/Seep
- Slough/Oxbow Lake
- Artificial Lake/Pond (historic sites only)
- Artificial Stream/Ditch (historic sites only)
- Unrecorded
- Other (specify) _____

*20. Horizontal Distance to Closest Water Source 140 (meters from UTM point)

*21. Elevation Above Closest Water Source _____ (meters A.M.S.L. from UTM point)

F. Reporting Information

*1. Investigation Type (select as many as appropriate)

- Reported
- Examination of Collection
- Surface Collection
- Auger/Soil Corer
- Shovel Test(s)
- Test Pit(s)
- Test Trench(es)
- Deep Test(s)
- PZ or Humus Removal
- Testing/Excav (strategy unknown)
- Mitigation/Block Excavation
- Aerial Photograph
- Remote Sensing (specify) _____
- Chemical Analysis (specify) _____
- Unrecorded
- Other (specify) Visual Inspection

for official use only

2. Surface Collection Strategy (select as many as appropriate):

- Not Applicable Grab Sample Diagnostics
- Controlled-Unknown Controlled-Total
- Controlled-Sample Unrecorded
- Other (specify) _____

3. If surface collection strategy is Controlled-Total, Controlled-Sample, or Other, describe methodology and percentage.

4. Surface Visibility (select only one, as appropriate):

- None Less than 10% 11-50%
- 51-90% 91-100% Unrecorded

5. Describe surface conditions

6. Site Area (square meters) 3,484

Unrecorded

7. Basis for Site Area Estimate (select only one, as appropriate):

- Guessed Historic Maps Aerial Photograph Paced
- Taped Transit/Alidade Range Finder Unrecorded
- Other (specify) GPS

8. Confidence of Site Boundaries: No Yes Unrecorded

9. Estimated Percentage of Site Excavated Unrecorded Unknown

10. Name of Form Preparer Stephen H. Biehl

11. Institution Ohio Valley Archaeology, Inc.

12. Date of Form (year/month) 2011/08 2 0 1

13. Field Date (year/month) 2011/07 2 0 1

14. Time Spent at Site _____

15. Weather Conditions _____

16. Name(s), Address(es), Phone Number(s) of Local Informants

17. Artifact Repository (ies) None collected

18. Name(s), Address(es), Phone Number(s) of Owners of Collections From Site (attach inventories of private collections).

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19. Photographs (select as many as appropriate):

No. of Slides _____ No. of Prints _____
Aerials: _____ Black/White _____ Color _____ Infrared

20. Name and Address of Institution Where Photos Are Filed (include photo log number if available)

21. National Register Status (select only one, as appropriate)

- National Register Property†
 - Determined Eligible for National Register†
 - National Register Status Not Assessed
 - Removed from National Register†
 - Determined Not Eligible†
- †Determination made by Keeper of the National Register (date) _____

22. State Registry Status (select only one, as appropriate)

- State Registry Listed†
 - Not Assessed for State Registry
 - Removed from State Registry†
 - Determined Not Eligible†
- †Determination made by Ohio Historical Society (date) _____

23. Discuss the potential significance of the site (does it meet National Register and/or State Registry criteria of significance in your opinion? Why or why not? Upon what evidence have you based your opinion?)

24. Special Status (select only one, as appropriate):

- | | | |
|--------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------------------|
| <input type="checkbox"/> None | <input type="checkbox"/> Wilderness Area | <input type="checkbox"/> Wildlife Preserve |
| <input type="checkbox"/> Park | <input type="checkbox"/> Scenic River | <input type="checkbox"/> Nature Preserve |
| <input type="checkbox"/> Forest | <input type="checkbox"/> Military Installation | <input type="checkbox"/> Archaeological Preserve |
| <input type="checkbox"/> Archaeological District | | <input type="checkbox"/> Unknown |
| <input checked="" type="checkbox"/> Other (specify) <u>Decommissioned Nuclear Facility</u> | | |

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***G. References** - List Primary Documentary References (see manual):

1. Pecora, Albert H.
2011 Preliminary Reconnaissance Survey for Fifteen
Historic-Era Structure Locations within the
Portsmouth Gaseous Diffusion Plant (PORTS),
Pike County, Ohio.
2. _____
3. _____

H. Radiometric Dates

1. Material(s) Dated _____
Date (uncorrected C14 years) _____
Laboratory _____
Sample # _____
Reference(s) _____
2. Material(s) Dated _____
Date (uncorrected C14 years) _____
Laboratory _____
Sample # _____
Reference(s) _____
3. Additional Radiometric Dates Yes _____ No _____
(use Continuation Section to list other dates)

I. Description of Site

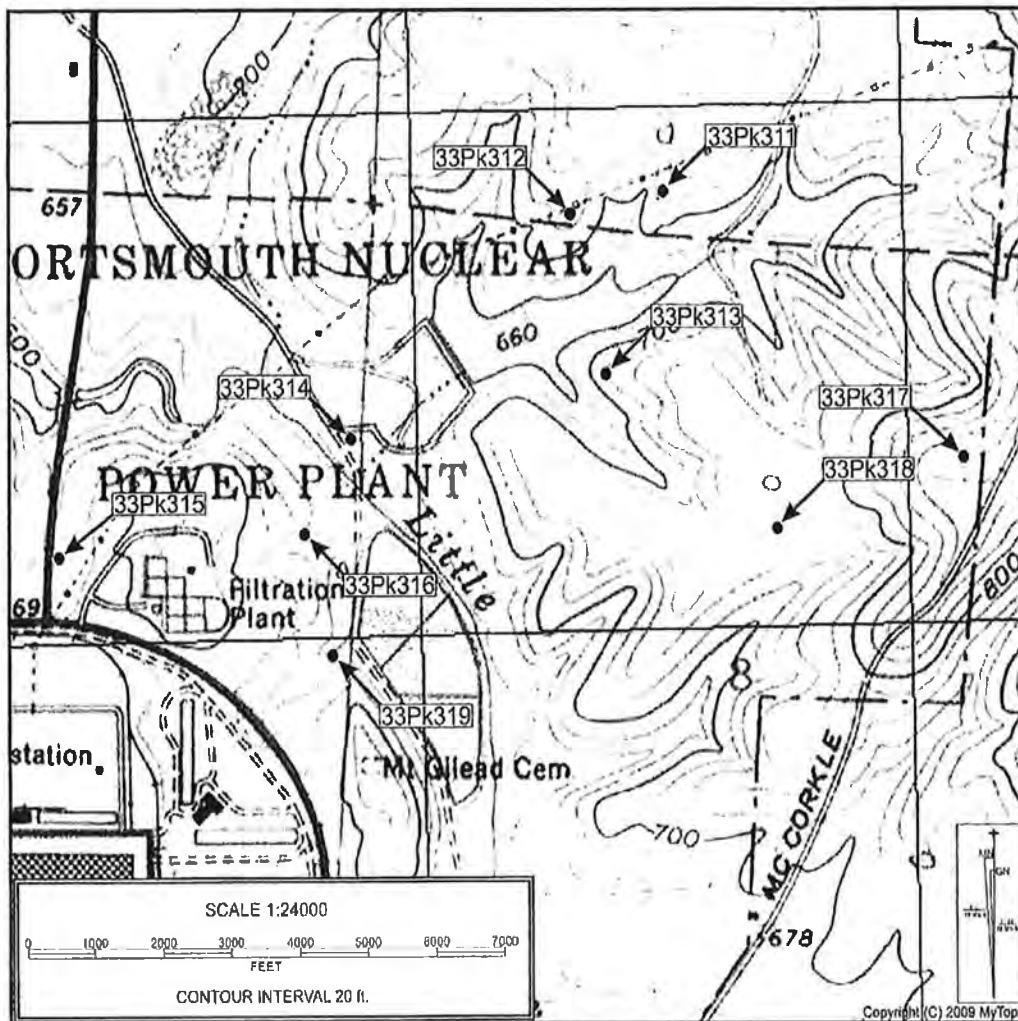
- *1. State physical description of the site and its setting, including dimensions, features (with measurements), nature and location of artifacts and concentrations, extent and location of disturbances, etc. See Pecora 2011

*2 Discuss the relationship between the site and other known sites in the area in terms of location, physical characteristics, size, etc. *This site is similar to other known sites in the area in terms of representing a possible abandoned site.*

J. Continuation Section: Specify Section & Item (use additional Continuation Sheet(s) if necessary)

***K. Sketch Map or Copy of Project Map of Site**

Include north arrow and scale. Attach a Xeroxed section of the appropriate U.S.G.S. quadrangle on a separate sheet. Outline total area surveyed and include locations of all identified sites on the Xerox of the quadrangle.



*Site Location Permanent Feature	Distance (m)	Direction/Bearing from Site to Terrain Feature

Ohio Historic Preservation Office

567 East Hudson Street
Columbus, Ohio 43211-1030
614/298-2000
Fax: 298-2037



*Site No. 33- PK - 317

OHIO ARCHAEOLOGICAL INVENTORY

for official use only

*Response required for acceptance of form

Coder _____

Date _____

A. Identification

*1. Type of Form (select as many as appropriate):

New Form Revised Form Transcribed Data

2. County Pike *3 Trinomial State Site Number 33- PK - 317

4. Site Name(s) _____

5. Project Site Number Location #21

6. Other State Site Number _____

7. Source (of Item A.5. and/or A.6.1) OVAE field notes

B. Location

*1. UTM Zone _____ 16 or 17

Easting 3 2 9 1 1 2

Northing 4 3 2 1 3 2 4

2. Latitude _____

Longitude _____

*3. Township 4N Range 21W Not Applicable _____

Section 8 1/4 Section: SW _____ SE _____ NW NE _____

Township Name Scioto

*4. Quadrangle Name Waverly South

*5. Quadrangle Date 1992

*6. Confident of Site Location Yes No

C. Ownership

*1. Name(s) U. S. Department of Energy - POATS

Address 3930 U. S. 23 South

City/Town, State, Zip Piketon, OH 45661

Phone (____) _____

2. Tenant (if any) _____

Address _____

City/Town, State, Zip _____

Phone (____) _____

*3. Ownership Status (select only one, as appropriate):

Private (single)

Private (multiple)

Local Govt.

State Govt.

Federal Govt

Multiple Govt

Mixed-Govt/Private

Unknown

D. Temporal Affiliations

*1. Affiliations Present (select only one, as appropriate)

Prehistoric

Historic

Prehistoric and Historic

Unknown

Unrecorded

Plotted Site No. 33- PK - 317

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Prehistoric

*2. Prehistoric Temporal Period(s) Represented (select as many as appropriate)

- Unassigned Prehistoric Paleoindian
- Archaic: Unassigned Early Middle Late
- Woodland: Unassigned Early Middle Late
- Late Prehistoric Protohistoric Other (specify) _____

*3. Minimum Number of Prehistoric Temporal Periods Represented 1

*4. Basis for Assignment of Prehistoric Temporal Period(s) (select as many as appropriate)

- Diagnostic Artifacts Diagnostic Features Radiometric
- Unrecorded Other (specify) _____

5. Prehistoric Cultural Component(s) Represented (see manual)

- a. _____
- b. _____
- c. _____
- d. _____
- e. _____
- f. _____

6. Describe how Prehistoric Temporal Period(s) and Cultural Component(s) were determined (list diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features please specify Prehistoric Cultural Component(s) by using letter designations from Item D 5.

Researcher _____

*7. Categories of Prehistoric Materials Present at Site (select as many as appropriate)

- Lithics Ceramics Metal Faunal Remains Floral Remains
- Human Skeletal Remains Unrecorded Other (specify) _____

8. Specific Prehistoric Cultural Materials Collected:

Type	Count	Type	Count
Projectile Point-Stemmed	1		
Flake Fragment	1		
FCR	1		

Historic

*9. Affiliation Present (select only one, as appropriate):

- Aboriginal Non-Aboriginal Both Undetermined

*10. Historic Temporal Period(s) Represented (select as many as appropriate):

- a. Pre-1795
- b. 1796-1829
- c. 1830-1849
- d. 1850-1879
- e. 1880-1899
- f. 1900-1929
- g. 1930-1949
- h. 1950-1974
- i. 1975-2000
- j. Historic
- k. 18th Century
- l. 19th Century
- m. 20th Century
- n. Historic Aboriginal

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*11. Minimum Number of Historic Temporal Periods Represented 3

*12. Basis for Assignment of Historic Temporal Period(s) (select as many as appropriate)

- Diagnostic Artifacts Diagnostic Architectural Remains
 Diagnostic Features Documentary Evidence Oral Tradition
 Unrecorded Other (specify) _____

13. Describe how Historic Temporal Period(s) were determined (list any diagnostic architectural remains, diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features specify Historic Temporal Period(s) by using letter designations from Item D.10.

Researcher _____

*14. Functional Categories of Historic Materials Present at Site (select as many as appropriate):

- | | | |
|---------------------------------------------------|----------------------------------------------------|-----------------------------------------------------|
| <input checked="" type="checkbox"/> Kitchen | <input type="checkbox"/> Furniture | <input type="checkbox"/> Personal |
| <input type="checkbox"/> Toys & Games | <input type="checkbox"/> Printed Matter | <input type="checkbox"/> Religious/Ceremonial |
| <input type="checkbox"/> Military | <input type="checkbox"/> Weapons | <input type="checkbox"/> Transportation |
| <input checked="" type="checkbox"/> Architectural | <input checked="" type="checkbox"/> Misc. Hardware | <input type="checkbox"/> Const./Manufacturing Tools |
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Fuel/Energy | <input checked="" type="checkbox"/> Food Remains |
| <input type="checkbox"/> Clothing | <input type="checkbox"/> Unrecorded | <input checked="" type="checkbox"/> Unknown |
| Other (specify) _____ | | |

15. Specific Historic Cultural Materials Collected:

Type	Count	Type	Count
<u>Brick frags</u>	<u>2</u>	<u>Animal bone</u>	<u>1</u>
<u>Window pane glass</u>	<u>13</u>	<u>Bolts</u>	<u>2</u>
<u>Nail - corroded</u>	<u>10</u>	<u>Unidentified metal frags</u>	<u>6</u>
<u>Porcelain</u>	<u>1</u>		
<u>Whiteware</u>	<u>4</u>		
<u>Bottle glass</u>	<u>12</u>		
<u>Container glass</u>	<u>62</u>		

General

16. Describe Prehistoric and/or Historic Cultural Materials observed but not collected. State reason(s) for not collecting.

Brick; Sandstone building stones

17. Affiliated Ohio Historic Inventory Site Number and Name:

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E. Physical Description

*1. Archaeological Setting (select only one, as appropriate):

- Rockshelter/Cave
- Open
- Unrecorded
- Unknown
- Submerged
- Other (specify) _____

*2. Prehistoric Site (select as many as appropriate):

- Habitation: Camp Village Hamlet Unspecified Habitation
- Extractive: Quarry Workshop
- Ceremonial: Unspecified Mound Earth Mound Stone Mound
- Effigy Mound Mound Group Hilltop Enclosure
- Geometrical Earthwork Cemetery Isolated Burial(s)
- Petroglyph/Pictograph
- Other: Unknown Unrecorded Other (specify) _____

*3. Historic Site Type (select as many as appropriate):

- Residential Commercial Social Government
- Religious Educational Mortuary Recreation
- Subsistence Industrial Health Care Military
- Transportation Unrecorded Unknown
- Other (specify) _____

4. State the bases on which site type assignment(s) were made.

*5. Site Condition (select only one, as appropriate):

- Undisturbed
- Disturbed - Extent Unknown
- Fully Disturbed
- Destroyed
- Unrecorded
- Unknown

*6. Dominant Agent(s) of Disturbance (select as many as appropriate):

- None Apparent
- Agriculture
- Historic Construction
- Water
- Transportation
- Archaeological Excavation
- Mining
- Vandalism
- Unrecorded
- Other (specify) _____

7. Nature of Disturbance/Destruction:

*8. Current Dominant Land Use (see manual):

Fallow

9. Land Use History:

*10. Site Elevation 262 Meters A.M.S.L. (elevation to be taken from UTM point)

*11. Physiographic Setting of Site (select only one, as appropriate):

- Lake Plain
- Lexington Penplain
- Unglacial Plateau
- Till Plain
- Glaciated Plateau
- Unrecorded

for official use only

*12. Glacial Geomorphology (select only one, as appropriate):

- Not Applicable
- Wisconsin End/Lateral Moraine
- Kansan Ground Moraine
- Wisconsin Kame/Kettle/Esker/Drumlin
- Illinoian Ground Moraine
- Wisconsin Lacustrine Deposit
- Illinoian Outwash
- Post Wisconsin Lacustrine Deposit
- Wisconsin Ground Moraine
- Wisconsin Outwash
- Unrecorded
- Other (specify) _____

*13. Regional Geomorphological Setting (select only one, as appropriate):

- Stream Valley
- Upland Hill Slope
- Beach Ridge
- Hill or Ridge Top
- Lake Plains Interfluvial Zone
- Unrecorded

*14. Local Environmental Setting (select only one, as appropriate):

- Terrace: Unknown T-1 T-2 T-3 T-4
- Beach Ridge
- Terrace Remnant
- Natural Levee
- Floodplain
- Low Rise on Floodplain
- Alluvium
- Island
- Kame
- Drumlin
- Esker
- Moraine
- Glacial Hummock
- Wetland Hummock
- Bluff
- Bluff Base
- Bluff Edge
- Saddle
- Hill or Ridge Top
- Closed Depression
- Unrecorded
- Other (specify) _____

*15. Soils:

Soil Association Oxwiga
 Soil Series-Phase/Complex Coolville - Blainton association, rolling (CpC)
 Reference 1990 USDA-SCS
Soil Survey of Pike County, Ohio

*16. Down Slope Direction (select only one, as appropriate):

- N
- NW
- NE
- E
- All
- Flat
- S
- SW
- SE
- W
- Unrecorded

*17. Slope Gradient (percent) 0 Unrecorded

*18. Drainage System (see manual):

Major Drainage Scioto River
 Minor Drainage Little Beaver Creek

*19. Closest Water Source (select only one, as appropriate):

Name: Unnamed tributary of Little Beaver Creek
 Permanent Stream Lake/Pond Ephemeral Stream
 Permanent Spring Swamp/Bog Intermittent Spring/Seep
 Slough/Oxbow Lake Artificial Lake/Pond (historic sites only)
 Artificial Stream/Ditch (historic sites only) Unrecorded
 Other (specify) _____

*20. Horizontal Distance to Closest Water Source 656 (meters from UTM point)

21. Elevation Above Closest Water Source _____ (meters A M S L from UTM point)

F. Reporting Information

*1. Investigation Type (select as many as appropriate)

- Reported
- Examination of Collection
- Surface Collection
- Auger/Soil Corer
- Shovel Test(s)
- Test Pit(s)
- Test Trench(es)
- Deep Test(s)
- PZ or Humus Removal
- Testing/Excav (strategy unknown)
- Mitigation/Block Excavation
- Aerial Photograph
- Remote Sensing (specify) _____
- Chemical Analysis (specify) _____
- Unrecorded
- Other (specify) Visual Inspection

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*2. Surface Collection Strategy (select as many as appropriate):

- Not Applicable Grab Sample Diagnostics
- Controlled-Unknown Controlled-Total
- Controlled-Sample Unrecorded
- Other (specify) _____

*3. If surface collection strategy is Controlled-Total, Controlled-Sample or Other, describe methodology and percentage.

*4. Surface Visibility (select only one, as appropriate):

- None Less than 10% 11-50%
- 51-90% 91-100% Unrecorded

*5. Describe surface conditions.

*6. Site Area (square meters) 2676

Unrecorded

*7. Basis for Site Area Estimate (select only one, as appropriate):

- Guessed Historic Maps Aerial Photograph Paced
- Taped Transit/Alidade Range Finder Unrecorded
- Other (specify) GPS

*8. Confidence of Site Boundaries: No Yes Unrecorded

*9. Estimated Percentage of Site Excavated Unrecorded Unknown

*10. Name of Form Preparer Stephen M. Biehl

*11. Institution Ohio Valley Archaeology, Inc.

*12. Date of Form (year/month) 2011/08

2 0 1

*13. Field Date (year/month) 2011/07

2 0 1

14. Time Spent at Site _____

15. Weather Conditions _____

16. Name(s), Address(es), Phone Number(s) of Local Informants

*17. Artifact Repository (ies) OVAF pending clearance by PORTS

18. Name(s), Address(es), Phone Number(s) of Owners of Collections From Site (attach inventories of private collections).

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19. Photographs (select as many as appropriate):

No. of Slides _____ No. of Prints _____
Aerials: _____ Black/White _____ Color _____ Infrared

20. Name and Address of Institution Where Photos Are Filed (include photo log number if available)

*21. National Register Status (select only one, as appropriate):

- National Register Properly†
- Determined Eligible for National Register†
- National Register Status Not Assessed
- Removed from National Register†
- Determined Not Eligible†

†Determination made by Keeper of the National Register (date) _____

22. State Registry Status (select only one, as appropriate)

- State Registry Listed†
- Not Assessed for State Registry
- Removed from State Registry†
- Determined Not Eligible†

†Determination made by Ohio Historical Society (date) _____

23. Discuss the potential significance of the site (does it meet National Register and/or State Registry criteria of significance in your opinion? Why or why not? Upon what evidence have you based your opinion?)

*24. Special Status (select only one, as appropriate):

- | | | |
|--------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------------------|
| <input type="checkbox"/> None | <input type="checkbox"/> Wilderness Area | <input type="checkbox"/> Wildlife Preserve |
| <input type="checkbox"/> Park | <input type="checkbox"/> Scenic River | <input type="checkbox"/> Nature Preserve |
| <input type="checkbox"/> Forest | <input type="checkbox"/> Military Installation | <input type="checkbox"/> Archaeological Preserve |
| <input type="checkbox"/> Archaeological District | | <input type="checkbox"/> Unknown |
| <input checked="" type="checkbox"/> Other (specify) <u>Decommissioned Nuclear Facility</u> | | |

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*G. References - List Primary Documentary References (see manual):

1. Pecora, Albert M.
2011 Preliminary Reconnaissance Survey for Eighteen
Historic- Era Structure Locations within the
Potsmouth Gaseous Diffusion Plant (ADRTS),
Pike County, Ohio.
2. _____
3. _____

H. Radiometric Dates

1. Material(s) Dated _____
Date (uncorrected C14 years) _____
Laboratory _____
Sample # _____
Reference(s) _____
2. Material(s) Dated _____
Date (uncorrected C14 years) _____
Laboratory _____
Sample # _____
Reference(s) _____
3. Additional Radiometric Dates Yes ___ No ___
(use Continuation Section to list other dates)

I. Description of Site

- *1. State physical description of the site and its setting, including dimensions, features (with measurements), nature and location of artifacts and concentrations, extent and location of disturbances, etc. *See Pecora 2011*

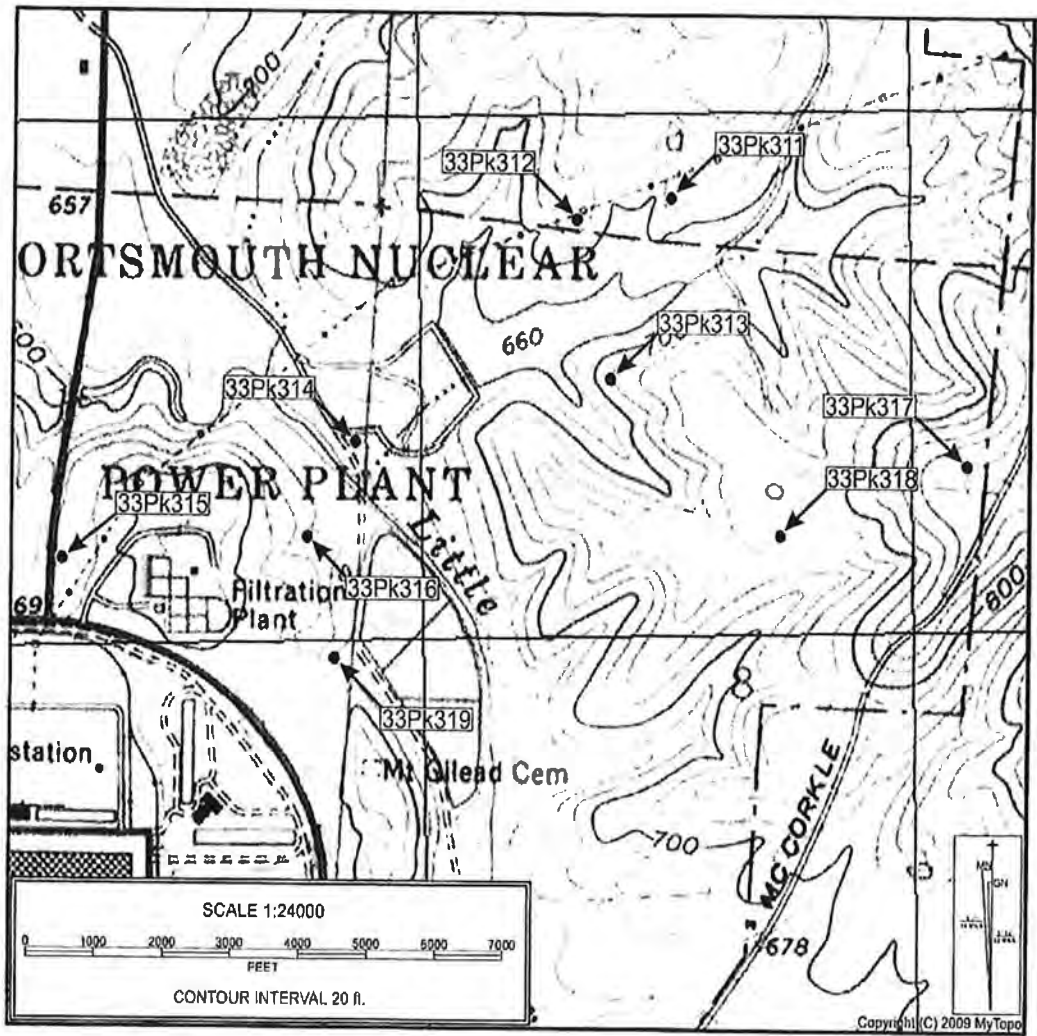
*2 Discuss the relationship between the site and other known sites in the area in terms of location, physical characteristics, size, etc.

This site is similar to other known sites in the area in terms of representing an abandoned functional within the NORIS facility.

J. Continuation Section: Specify Section & Item (use additional Continuation Sheet(s) if necessary)

***K. Sketch Map or Copy of Project Map of Site**

Include north arrow and scale. Attach a Xeroxed section of the appropriate U.S.G.S. quadrangle on a separate sheet. Outline total area surveyed and include locations of all identified sites on the Xerox of the quadrangle.



*Site Location Permanent Feature	Distance (m)	Direction/Bearing from Site to Terrain Feature

Ohio Historic Preservation Office
 567 East Hudson Street
 Columbus, Ohio 43211-1030
 614/298-2000
 Fax: 298-2037



*Site No. 33- PK - 318

OHIO ARCHAEOLOGICAL INVENTORY

for official use only

*Response required for acceptance of form

Coder _____
 Date _____

A. Identification

- *1. Type of Form (select as many as appropriate)
 New Form Revised Form Transcribed Data
- 2. County Pike *3. Trnomial State Site Number 33- PK - 318
- 4. Site Name(s) _____
- 5. Project Site Number Location #22
- 6. Other State Site Number _____
- 7. Source (of Item A.5. and/or A.6.) OVAE field notes

B. Location

- *1. UTM Zone ____ 16 or 17
 Easting 3 2 8 7 3 4 _____ 0
 Northing 4 3 2 1 1 9 4 _____ 0
- 2. Latitude _____
 Longitude _____
- *3. Township 4N Range 21W Not Applicable _____
 Section 8 1/4 Section: SW SE NW NE
 Township Name Scioto
- *4. Quadrangle Name Waverly South 1 9
- *5. Quadrangle Date 1992
- *6. Confident of Site Location Yes No

C. Ownership

- *1. Name(s) U. S. Department of Energy - DORTS
 Address 3930 U. S. 23 South
 City/Town, State, Zip Pikeston, OH 45661
 Phone (____) _____
- 2. Tenant (if any) _____
 Address _____
 City/Town, State, Zip _____
 Phone (____) _____
- *3. Ownership Status (select only one, as appropriate):
 Private (single) Private (multiple) Local Govt.
 State Govt. Federal Govt Multiple Govt
 Mixed-Govt /Private Unknown

D. Temporal Affiliations

- *1. Affiliations Present (select only one, as appropriate):
 Prehistoric Historic Prehistoric and Historic
 Unknown Unrecorded

*Site No. 33- PK - 318
 Plotted

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Prehistoric

- *2. Prehistoric Temporal Period(s) Represented (select as many as appropriate)
 - Unassigned Prehistoric Paleoindian
 - Archaic: Unassigned Early Middle Late
 - Woodland: Unassigned Early Middle Late
 - Late Prehistoric Protohistoric Other (specify) _____
- *3. Minimum Number of Prehistoric Temporal Periods Represented _____
- *4. Basis for Assignment of Prehistoric Temporal Period(s) (select as many as appropriate):
 - Diagnostic Artifacts Diagnostic Features Radiometric
 - Unrecorded Other (specify) _____
- 5. Prehistoric Cultural Component(s) Represented (see manual)
 - a. _____
 - b. _____
 - c. _____
 - d. _____
 - e. _____
 - f. _____

6. Describe how Prehistoric Temporal Period(s) and Cultural Component(s) were determined (list diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features please specify Prehistoric Cultural Component(s) by using letter designations from Item D.5.

Researcher _____

- *7. Categories of Prehistoric Materials Present at Site (select as many as appropriate)
 - Lithics Ceramics Metal Faunal Remains Floral Remains
 - Human Skeletal Remains Unrecorded Other (specify) _____

8. Specific Prehistoric Cultural Materials Collected:

Type	Count	Type	Count
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Historic

- *9. Affiliation Present (select only one, as appropriate):
 - Aboriginal Non-Aboriginal Both Undetermined
- *10. Historic Temporal Period(s) Represented (select as many as appropriate):
 - a. Pre-1795 b. 1798-1829 c. 1830-1849
 - d. 1850-1879 e. 1880-1899 f. 1900-1929
 - g. 1930-1949 h. 1950-1974 i. 1975-2000
 - j. Historic k. 18th Century l. 19th Century
 - m. 20th Century n. Historic Aboriginal

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*11. Minimum Number of Historic Temporal Periods Represented . . . 3

*12. Basis for Assignment of Historic Temporal Period(s) (select as many as appropriate)

- Diagnostic Artifacts
- Diagnostic Architectural Remains
- Diagnostic Features
- Documentary Evidence
- Oral Tradition
- Unrecorded
- Other (specify) _____

13. Describe how Historic Temporal Period(s) were determined (list any diagnostic architectural remains, diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features specify Historic Temporal Period(s) by using letter designations from Item D.10.

Researcher _____

*14. Functional Categories of Historic Materials Present at Site (select as many as appropriate):

- Kitchen
- Toys & Games
- Military
- Architectural
- Agricultural
- Clothing
- Other (specify) _____
- Furniture
- Printed Matter
- Weapons
- Misc. Hardware
- Fuel/Energy
- Unrecorded
- Personal
- Religious/Ceremonial
- Transportation
- Const./Manufacturing Tools
- Food Remains
- Unknown

15. Specific Historic Cultural Materials Collected:

Type	Count	Type	Count
<i>None collected</i>			

General

16. Describe Prehistoric and/or Historic Cultural Materials observed but not collected. State reason(s) for not collecting.

Sandstone block foundation; concrete cistern

17. Affiliated Ohio Historic Inventory Site Number and Name:

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E. Physical Description

*1. Archaeological Setting (select only one, as appropriate)

- Rockshelter/Cave
- Open
- Unrecorded
- Unknown
- Submerged
- Other (specify) _____

*2. Prehistoric Site (select as many as appropriate):

- Habitation: Camp Village Hamlet Unspecified Habitation
- Extractive: Quarry Workshop
- Ceremonial: Unspecified Mound Earth Mound Stone Mound
- Effigy Mound Mound Group Hilltop Enclosure
- Geometrical Earthwork Cemetery Isolated Burial(s)
- Petroglyph/Pictograph
- Other: Unknown Unrecorded Other (specify) _____

*3. Historic Site Type (select as many as appropriate):

- Residential Commercial Social Government
- Religious Educational Mortuary Recreation
- Subsistence Industrial Health Care Military
- Transportation Unrecorded Unknown
- Other (specify) _____

4. State the bases on which site type assignment(s) were made

*5. Site Condition (select only one, as appropriate):

- Undisturbed
- Disturbed - Extent Unknown
- Fully Disturbed
- Destroyed
- Unrecorded
- Unknown

*6. Dominant Agent(s) of Disturbance (select as many as appropriate):

- None Apparent
- Agriculture
- Historic Construction
- Water
- Transportation
- Archaeological Excavation
- Mining
- Vandalism
- Unrecorded
- Other (specify) _____

7. Nature of Disturbance/Destruction:

*8. Current Dominant Land Use (see manual):

Fallow

9. Land Use History:

*10. Site Elevation 235 Meters A.M.S.L. (elevation to be taken from UTM point)

*11. Physiographic Setting of Site (select only one, as appropriate):

- Lake Plain
- Lexington Peneplain
- Unglaciaded Plateau
- Till Plain
- Glaciaded Plateau
- Unrecorded

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*12. Glacial Geomorphology (select only one, as appropriate):

- Not Applicable
- Kansan Ground Moraine
- Illinoian Ground Moraine
- Illinoian Outwash
- Wisconsin Ground Moraine
- Unrecorded
- Wisconsin End/Lateral Moraine
- Wisconsin Kame/Kettle/Esker/Drumlin
- Wisconsin Lacustrine Deposit
- Post Wisconsin Lacustrine Deposit
- Wisconsin Outwash
- Other (specify) _____

*13. Regional Geomorphological Setting (select only one, as appropriate)

- Stream Valley
- Upland Hill Slope
- Beach Ridge
- Hill or Ridge Top
- Lake Plains Interfluvial Zone
- Unrecorded

*14. Local Environmental Setting (select only one, as appropriate):

- Terrace: Unknown T-1 T-2 T-3 T-4
- Beach Ridge
- Low Rise on Floodplain
- Esker
- Bluff
- Closed Depression
- Terrace Remnant
- Alluvium
- Moraine
- Bluff Base
- Unrecorded
- Natural Levee
- Island
- Glacial Hummock
- Bluff Edge
- Other (specify) _____
- Floodplain
- Kame
- Welland Hummock
- Hill or Ridge Top

*15. Soils:

- Soil Association Omaha
- Soil Series-Phase/Complex Shelocka - Latham association (SpF)
- Reference 1990 USDA-SSS
Soil Survey of Pike County, Ohio

*16. Down Slope Direction (select only one, as appropriate)

- N
- NW
- NE
- E
- All
- Flat
- S
- SW
- SE
- W
- Unrecorded

*17. Slope Gradient (percent) 0 Unrecorded

*18. Drainage System (see manual):

- Major Drainage Scioto River
- Minor Drainage Little Beaver Creek

*19. Closest Water Source (select only one, as appropriate):

- Name: Little Beaver Creek
- Permanent Stream
- Permanent Spring
- Slough/Oxbow Lake
- Artificial Stream/Ditch (historic sites only)
- Other (specify) _____
- Lake/Pond
- Swamp/Bog
- Artificial Lake/Pond (historic sites only)
- Unrecorded
- Ephemeral Stream
- Intermittent Spring/Seep

*20. Horizontal Distance to Closest Water Source 640 (meters from UTM point)

*21. Elevation Above Closest Water Source _____ (meters A.M.S.L. from UTM point)

F. Reporting Information

*1. Investigation Type (select as many as appropriate)

- Reported
- Auger/Soil Corer
- Deep Test(s)
- Mitigation/Block Excavation
- Remote Sensing (specify) _____
- Unrecorded
- Examination of Collection
- Shovel Test(s)
- PZ or Humus Removal
- Aerial Photograph
- Surface Collection
- Test Pit(s)
- Testing/Excav (strategy unknown)
- Test Trench(es)
- Other (specify) Visual Inspection

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*2. Surface Collection Strategy (select as many as appropriate):

- Not Applicable Grab Sample Diagnostics
- Controlled-Unknown Controlled-Total
- Controlled-Sample Unrecorded
- Other (specify) _____

3. If surface collection strategy is Controlled-Total, Controlled-Sample, or Other, describe methodology and percentage.

4. Surface Visibility (select only one, as appropriate):

- None Less than 10% 11-50%
- 51-90% 91-100% Unrecorded

5. Describe surface conditions

*6. Site Area (square meters) 11,380

Unrecorded _____

*7. Basis for Site Area Estimate (select only one, as appropriate):

- Gessed Historic Maps Aerial Photograph Paced
- Taped Transit/Alidade Range Finder Unrecorded
- Other (specify) GPS

*8. Confident of Site Boundaries: No Yes Unrecorded

9. Estimated Percentage of Site Excavated _____ Unrecorded _____ Unknown _____

*10. Name of Form Preparer Stephen M. Bickel

*11. Institution Ohio Valley Archaeology, Inc.

*12. Date of Form (year/month) 2011/08

2 0 _____

*13. Field Date (year/month) 2011/07

2 0 _____

14. Time Spent at Site _____

15. Weather Conditions _____

16. Name(s), Address(es), Phone Number(s) of Local Informants

*17. Artifact Repository (ies) None collected

18. Name(s), Address(es), Phone Number(s) of Owners of Collections From Site (attach inventories of private collections).

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19. Photographs (select as many as appropriate):

No. of Slides _____ No. of Prints _____
Aerials: _____ Black/White _____ Color _____ Infrared

20. Name and Address of Institution Where Photos Are Filed (include photo log number if available)

*21. National Register Status (select only one, as appropriate):

- National Register Property†
 - Determined Eligible for National Register†
 - National Register Status Not Assessed
 - Removed from National Register†
 - Determined Not Eligible†
- †Determination made by Keeper of the National Register (date) _____

22. State Registry Status (select only one, as appropriate)

- State Registry Listed†
 - Not Assessed for State Registry
 - Removed from State Registry†
 - Determined Not Eligible†
- †Determination made by Ohio Historical Society (date) _____

23. Discuss the potential significance of the site (does it meet National Register and/or State Registry criteria of significance in your opinion? Why or why not? Upon what evidence have you based your opinion?)

*24. Special Status (select only one, as appropriate):

- None
- Wilderness Area
- Wildlife Preserve
- Park
- Scenic River
- Nature Preserve
- Forest
- Military Installation
- Archaeological Preserve
- Archaeological District
- Unknown
- Other (specify) Decommissioned Nuclear Facility

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***G. References** - List Primary Documentary References (see manual):

1. Pecora, Albert M.
2011 Preliminary Reconnaissance Survey for Early
Historic-Era Structure Locations within the
Portsmouth Gascoyne Pothole Plant (POTTS),
Pike County, Ohio
2. _____
3. _____

H. Radiometric Dates

1. Material(s) Dated _____
 Date (uncorrected C-14 years) _____
 Laboratory _____
 Sample # _____
 Reference(s) _____
2. Material(s) Dated _____
 Date (uncorrected C-14 years) _____
 Laboratory _____
 Sample # _____
 Reference(s) _____
3. Additional Radiometric Dates Yes _____ No _____
 (use Continuation Section to list other dates)

I. Description of Site

- *1. State physical description of the site and its setting, including dimensions, features (with measurements), nature and location of artifacts and concentrations, extent and location of disturbances, etc. See Pecora 2011

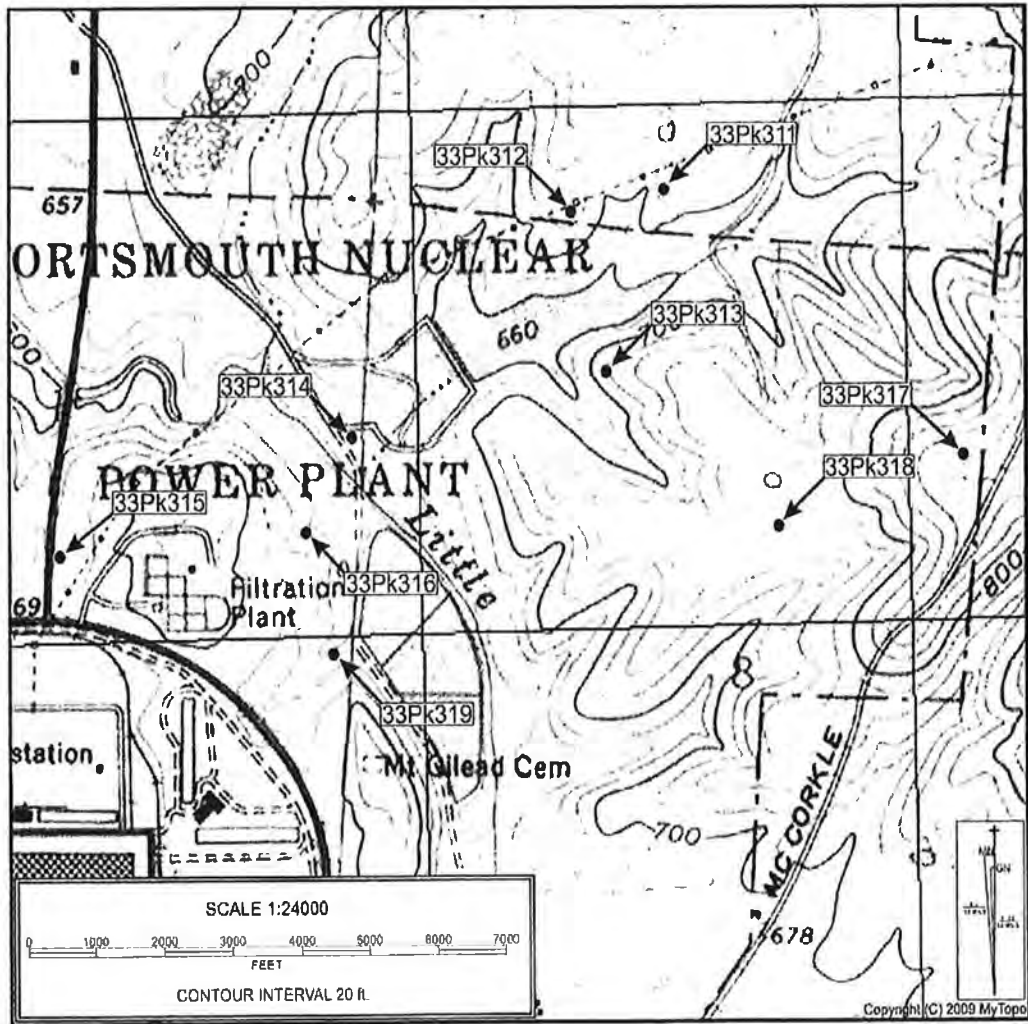
*2 Discuss the relationship between the site and other known sites in the area in terms of location, physical characteristics, size, etc.

This site is similar to other known sites in the area in terms of representivity an abandoned structure within the PORTS facility.

J. Continuation Section: Specify Section & Item (use additional Continuation Sheet(s) if necessary)

***K. Sketch Map or Copy of Project Map of Site**

Include north arrow and scale. Attach a Xeroxed section of the appropriate U.S.G.S. quadrangle on a separate sheet. Outline total area surveyed and include locations of all identified sites on the Xerox of the quadrangle.



*Site Location Permanent Feature	Distance (m)	Direction/Bearing from Site to Terrain Feature

Ohio Historic Preservation Office
 567 East Hudson Street
 Columbus, Ohio 43211-1030
 614/298-2000
 Fax: 298-2037



*Site No. 33- PK - 319

OHIO ARCHAEOLOGICAL INVENTORY

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*Response required for acceptance of form

Coder _____
 Date _____

A. Identification

- *1. Type of Form (select as many as appropriate):
 New Form Revised Form Transcribed Data
- 2. County Pike *3. Trinomial State Site Number 33- PK - 319
- 4. Site Name(s) _____
- 5. Project Site Number Location #43
- 6. Other State Site Number _____
- 7. Source (of Item A.5 and/or A.6.) OVAE field notes

B. Location

- *1. UTM Zone _____ 16 or 17
 Easting 3 2 7 8 3 0
 Northing 4 3 2 0 9 6 8
- 2. Latitude _____
 Longitude _____
- *3. Township 4N Range 21W Not Applicable _____
 Section 7 1/4 Section: SW SE _____ NW _____ NE _____
 Township Name Scioto
- *4. Quadrangle Name Waverly South 1 9
- *5. Quadrangle Date 1992
- *6. Confident of Site Location Yes No

C. Ownership

- *1. Name(s) U.S. Department of Energy - PORTS
 Address 3930 U.S. 23 South
 City/Town, State, Zip Pikeston, OH 45661
 Phone (____) _____
- 2. Tenant (if any) _____
 Address _____
 City/Town, State, Zip _____
 Phone (____) _____
- *3. Ownership Status (select only one, as appropriate)
 Private (single) Private (multiple) Local Govt.
 State Govt. Federal Govt. Multiple Govt.
 Mixed-Govt./Private Unknown

D. Temporal Affiliations

- *1. Affiliations Present (select only one, as appropriate):
 Prehistoric Historic Prehistoric and Historic
 Unknown Unrecorded

*Site No. 33- PK - 319
 Plotted

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Prehistoric

*2. Prehistoric Temporal Period(s) Represented (select as many as appropriate)

- Unassigned Prehistoric Paleoindian
- Archaic: Unassigned Early Middle Late
- Woodland: Unassigned Early Middle Late
- Late Prehistoric Protohistoric Other (specify) _____

*3. Minimum Number of Prehistoric Temporal Periods Represented _____

*4. Basis for Assignment of Prehistoric Temporal Period(s) (select as many as appropriate):

- Diagnostic Artifacts Diagnostic Features Radiometric
- Unrecorded Other (specify) _____

5. Prehistoric Cultural Component(s) Represented (see manual):

- a. _____
- b. _____
- c. _____
- d. _____
- e. _____
- f. _____

6. Describe how Prehistoric Temporal Period(s) and Cultural Component(s) were determined (list diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features please specify Prehistoric Cultural Component(s) by using letter designations from Item D.5

Researcher _____

*7. Categories of Prehistoric Materials Present at Site (select as many as appropriate)

- Lithics Ceramics Metal Faunal Remains Floral Remains
- Human Skeletal Remains Unrecorded Other (specify) _____

8. Specific Prehistoric Cultural Materials Collected:

Type	Count	Type	Count

Historic

*9. Affiliation Present (select only one, as appropriate):

- Aboriginal Non-Aboriginal Both Undetermined

*10. Historic Temporal Period(s) Represented (select as many as appropriate):

- a. Pre-1795 b. 1796-1829 c. 1830-1849
- d. 1850-1879 e. 1880-1899 f. 1900-1929
- g. 1930-1949 h. 1950-1974 i. 1975-2000
- j. Historic k. 18th Century l. 19th Century
- m. 20th Century n. Historic Aboriginal

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- *11. Minimum Number of Historic Temporal Periods Represented 2
- *12. Basis for Assignment of Historic Temporal Period(s) (select as many as appropriate).
 Diagnostic Artifacts Diagnostic Architectural Remains
 Diagnostic Features Documentary Evidence Oral Tradition
 Unrecorded Other (specify) _____
13. Describe how Historic Temporal Period(s) were determined (list any diagnostic architectural remains, diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features specify Historic Temporal Period(s) by using letter designations from Item D.10.
- _____
- _____
- _____

Researcher _____

- *14. Functional Categories of Historic Materials Present at Site (select as many as appropriate).
- | | | |
|---------------------------------------------------|-----------------------------------------|----------------------------------------------------|
| <input checked="" type="checkbox"/> Kitchen | <input type="checkbox"/> Furniture | <input type="checkbox"/> Personal |
| <input type="checkbox"/> Toys & Games | <input type="checkbox"/> Printed Matter | <input type="checkbox"/> Religious/Ceremonial |
| <input type="checkbox"/> Military | <input type="checkbox"/> Weapons | <input type="checkbox"/> Transportation |
| <input checked="" type="checkbox"/> Architectural | <input type="checkbox"/> Misc Hardware | <input type="checkbox"/> Const/Manufacturing Tools |
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Fuel/Energy | <input type="checkbox"/> Food Remains |
| <input type="checkbox"/> Clothing | <input type="checkbox"/> Unrecorded | <input type="checkbox"/> Unknown |
| Other (specify) _____ | | |

15. Specific Historic Cultural Materials Collected:

Type	Count	Type	Count
<u>Whiteware - Plain</u>	<u>3</u>		
<u>Whiteware - Red Transfer Print</u>	<u>1</u>		
<u>Container glass</u>	<u>2</u>		
<u>Window pane glass</u>	<u>2</u>		

General

16. Describe Prehistoric and/or Historic Cultural Materials observed but not collected. State reason(s) for not collecting.
- _____
- _____
- _____
- _____

17. Affiliated Ohio Historic Inventory Site Number and Name:
- _____
- _____

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E. Physical Description

*1. Archaeological Setting (select only one, as appropriate)

- Rockshelter/Cave
- Open
- Unrecorded
- Unknown
- Submerged
- Other (specify) _____

*2. Prehistoric Site (select as many as appropriate):

- Habitation: Camp Village Hamlet Unspecified Habitation
- Extractive: Quarry Workshop
- Ceremonial: Unspecified Mound Earth Mound Stone Mound
- Effigy Mound Mound Group Hilltop Enclosure
- Geometrical Earthwork Cemetery Isolated Burial(s)
- Petroglyph/Pictograph
- Other: Unknown Unrecorded Other (specify) _____

*3. Historic Site Type (select as many as appropriate):

- Residential Commercial Social Government
- Religious Educational Mortuary Recreation
- Subsistence Industrial Health Care Military
- Transportation Unrecorded Unknown
- Other (specify) _____

4. State the bases on which site type assignment(s) were made

*5. Site Condition (select only one, as appropriate):

- Undisturbed
- Disturbed - Extent Unknown
- Fully Disturbed
- Destroyed
- Unrecorded
- Unknown

*6. Dominant Agent(s) of Disturbance (select as many as appropriate):

- None Apparent
- Agriculture
- Historic Construction
- Water
- Transportation
- Archaeological Excavation
- Mining
- Vandalism
- Unrecorded
- Other (specify) _____

7. Nature of Disturbance/Destruction:

*8. Current Dominant Land Use (see manual):

Fallow

9. Land Use History:

*10. Site Elevation 197 Meters A.M.S.L. (elevation to be taken from UTM point)

*11. Physiographic Setting of Site (select only one, as appropriate):

- Lake Plain
- Lexington Peneplain
- Unglaciaded Plateau
- Till Plain
- Glaciaded Plateau
- Unrecorded

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*12. Glacial Geomorphology (select only one, as appropriate):

- Not Applicable
- Kansan Ground Moraine
- Illinoian Ground Moraine
- Illinoian Outwash
- Wisconsin Ground Moraine
- Unrecorded
- Wisconsin End/Lateral Moraine
- Wisconsin Kame/Kettle/Esker/Drumlin
- Wisconsin Lacustrine Deposit
- Post Wisconsin Lacustrine Deposit
- Wisconsin Outwash
- Other (specify) _____

*13. Regional Geomorphological Setting (select only one, as appropriate).

- Stream Valley
- Upland Hill Slope
- Beach Ridge
- Hill or Ridge Top
- Lake Plains Interfluvial Zone
- Unrecorded

*14. Local Environmental Setting (select only one, as appropriate)

- Terrace: Unknown T-1 T-2 T-3 T-4
- Beach Ridge
- Terrace Remnant
- Natural Levee
- Floodplain
- Low Rise on Floodplain
- Alluvium
- Island
- Kame
- Drumlin
- Esker
- Moraine
- Glacial Hummock
- Wetland Hummock
- Bluff
- Bluff Base
- Bluff Edge
- Saddle
- Hill or Ridge Top
- Closed Depression
- Unrecorded
- Other (specify) _____

*15. Soils:

Soil Association Omaha
 Soil Series-Phase/Complex Lathrop - Wharton silt loam (hd.D)
 Reference 1990 USDA-SCS
Soil Survey of Pike County, Ohio

*16. Down Slope Direction (select only one, as appropriate)

- N
- NW
- NE
- E
- All
- Flat
- S
- SW
- SE
- W
- Unrecorded

*17. Slope Gradient (percent) 15-25% Unrecorded _____

*18. Drainage System (see manual):

Major Drainage Scioto River
 Minor Drainage Little Beaver Creek

*19. Closest Water Source (select only one, as appropriate):

- Name: Little Beaver Creek
- Permanent Stream
 - Lake/Pond
 - Ephemeral Stream
 - Permanent Spring
 - Swamp/Bog
 - Intermittent Spring/Seep
 - Slough/Oxbow Lake
 - Artificial Lake/Pond (historic sites only)
 - Artificial Stream/Ditch (historic sites only)
 - Unrecorded
 - Other (specify) _____

*20. Horizontal Distance to Closest Water Source 294 (meters from UTM point)

*21. Elevation Above Closest Water Source _____ (meters A.M.S.L. from UTM point)

F. Reporting Information

*1. Investigation Type (select as many as appropriate)

- Reported
- Examination of Collection
- Surface Collection
- Auger/Soil Corer
- Shovel Test(s)
- Test Pit(s)
- Test Trench(es)
- Deep Test(s)
- PZ or Humus Removal
- Testing/Excav. (strategy unknown)
- Mitigation/Block Excavation
- Aerial Photograph
- Remote Sensing (specify) _____
- Chemical Analysis (specify) _____
- Unrecorded
- Other (specify) Visual Inspection

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*2. Surface Collection Strategy (select as many as appropriate)

- Not Applicable Grab Sample Diagnostics
- Controlled-Unknown Controlled-Total
- Controlled-Sample Unrecorded
- Other (specify) _____

3 If surface collection strategy is Controlled-Total, Controlled-Sample, or Other, describe methodology and percentage.

4. Surface Visibility (select only one, as appropriate):

- None Less than 10% 11-50%
- 51-90% 91-100% Unrecorded

5 Describe surface conditions

*6. Site Area (square meters) 3,484

Unrecorded _____

*7. Basis for Site Area Estimate (select only one, as appropriate).

- Guessed Historic Maps Aerial Photograph Paced
- Taped Transit/Alidada Range Finder Unrecorded
- Other (specify) GPS

*8. Confidence of Site Boundaries: No Yes Unrecorded

9. Estimated Percentage of Site Excavated _____ Unrecorded _____ Unknown _____

*10. Name of Form Preparer Stephen H. Bickel

*11. Institution Ohio Valley Archaeology, Inc.

*12. Date of Form (year/month) 2011/08

2 0 1

*13. Field Date (year/month) 2011/07

2 0 1

14. Time Spent at Site _____

15. Weather Conditions _____

16. Name(s), Address(es), Phone Number(s) of Local Informants

*17. Artifact Repository (ies) OVAF pending clearance by ROATS

18. Name(s), Address(es), Phone Number(s) of Owners of Collections From Site (attach inventories of private collections).

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19. Photographs (select as many as appropriate).

No. of Slides _____ No. of Prints _____
Aerials: _____ Black/White _____ Color _____ Infrared

20. Name and Address of Institution Where Photos Are Filed (include photo log number if available)

*21. National Register Status (select only one, as appropriate):

- National Register Property†
 - Determined Eligible for National Register†
 - National Register Status Not Assessed
 - Removed from National Register†
 - Determined Not Eligible†
- †Determination made by Keeper of the National Register (date) _____

22. State Registry Status (select only one, as appropriate)

- State Registry Listed†
 - Not Assessed for State Registry
 - Removed from State Registry†
 - Determined Not Eligible†
- †Determination made by Ohio Historical Society (date) _____

23. Discuss the potential significance of the site (does it meet National Register and/or State Registry criteria of significance in your opinion? Why or why not? Upon what evidence have you based your opinion?)

*24. Special Status (select only one, as appropriate):

- None
- Wilderness Area
- Wildlife Preserve
- Park
- Scenic River
- Natural Preserve
- Forest
- Military Installation
- Archaeological Preserve
- Archaeological District
- Unknown
- Other (specify) Decommissioned Nuclear Facility

for official use only

G. References - List Primary Documentary References (see manual):

1. Pecora, Albert M.
2011 Preliminary Reconnaissance Survey for Fifteen
Historic-Era Structure Locations within the
Pittsborough Gasworks Disposal Plant (PORTS),
Pike County, Ohio
2. _____
3. _____

H. Radiometric Dates

1. Material(s) Dated _____
Date (uncorrected C14 years) _____
Laboratory _____
Sample # _____
Reference(s) _____
2. Material(s) Dated _____
Date (uncorrected C14 years) _____
Laboratory _____
Sample # _____
Reference(s) _____
3. Additional Radiometric Dates Yes ___ No ___
(use Continuation Section to list other dates)

I. Description of Site

1. State physical description of the site and its setting, including dimensions, features (with measurements), nature and location of artifacts and concentrations, extent and location of disturbances, etc. See Pecora 2011

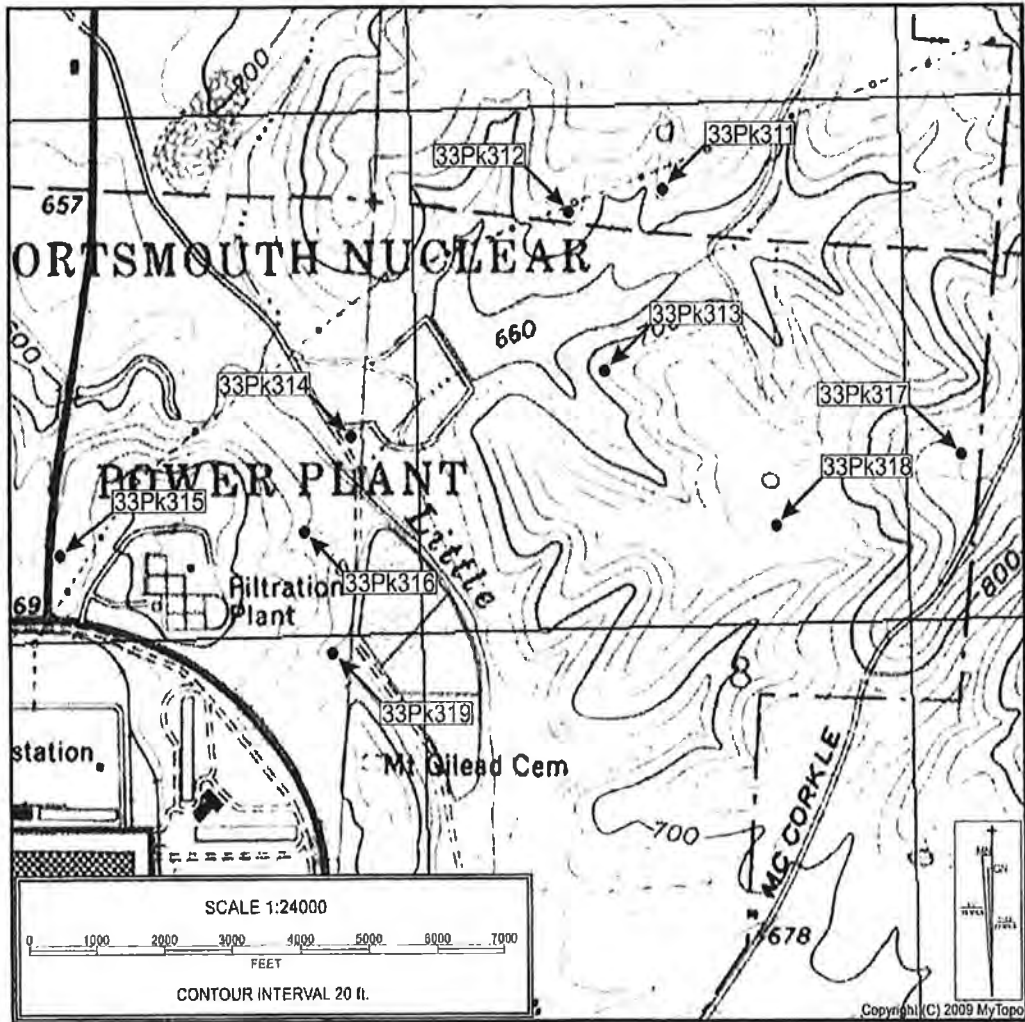
*2 Discuss the relationship between the site and other known sites in the area in terms of location, physical characteristics, size, etc.

This site is similar to other known sites in the area in terms of representing an abandoned structure within the PORTS facility.

J. Continuation Section: Specify Section & Item (use additional Continuation Sheet(s) if necessary)

***K. Sketch Map or Copy of Project Map of Site**

Include north arrow and scale. Attach a Xeroxed section of the appropriate U.S.G.S. quadrangle on a separate sheet. Outline total area surveyed and include locations of all identified sites on the Xerox of the quadrangle.



*Site Location Permanent Feature	Distance (m)	Direction/Bearing from Site to Terrain Feature



August 25, 2011

Summary report for preliminary assessment of 12 historic
archaeological sites at the PORTS Plant, Piketon, Ohio

ASC Group, Inc. (ASC), is pleased to report that we have completed the preliminary archaeological assessment of 12 of the Historic Map Building Locations (HMBL) at the PORTS Plant in Piketon, Ohio, identified by the Department of Energy (DOE) [Burks 2011] {Figure 1; Table 1}. This work was completed under Task Order Release TOR001 as modified. DOE identified 51 additional potential historic farmsteads and other types of buildings on a 1905 Oil and Gas Map that were not documented during the 1997 Phase I investigation completed by ASC (Burks 2011; Schweikart et al. 1997). Forty of those locations were recommended for further investigation. The remaining locations were not recommended for investigation due to significant impacts from prior plant construction activities or because they were previously surveyed. ASC reviewed HMBLs 1–5, 8–10, 32, 40, 41, and 50. The HMBLs are being surveyed in advance of unspecified development plans and only a handful may be impacted by an undertaking that has not been identified at this time.

INTRODUCTION

The purpose of the preliminary assessment is to provide data regarding the site type, site condition, level of disturbance, and archaeological potential of the HMBLs. This information will allow Fluor B&W Portsmouth, LLC, to coordinate with the Ohio Historic Preservation Office and develop a responsible and practical approach toward documenting the sites and completing the Section 106 process. The data from this project will be compared to the substantial body of work that has been produced through several archaeological surveys in the past 15 years (Burks 2009, 2011; Klinge 2010; Klinge and Mustain 2011; Schweikart et al. 1997). Those studies have documented and assessed numerous historic archaeological sites from the late nineteenth century through the mid-twentieth century. These are mostly the remnants of farmsteads, but they also include other site types such as cemeteries, churches, and school houses. None of the studies has found any of the historic sites to be eligible for the National Register of Historic

Places. The goal of this preliminary assessment is to collect data to guide Section 106 decision making in the future.

METHODOLOGY

Three cultural resources firms have conducted preliminary assessments of HMBLs. To ensure consistency between the three in the data recovered from each HMBL, Ohio Valley Archaeology, Inc. developed a reconnaissance survey documentation form. This form, and a general survey methodology, was discussed at a project coordination meeting in Piketon on July 11, 2011. That meeting established the goals and basic methodology for the survey.

A list was provided that contained UTM and State Plane coordinates for each HMBL, as well as a description of the cartographic documents that depict them. As a first step in the field survey, those documents were reviewed and each HMBL was relocated on the applicable maps and aerial photographs. A schematic map, based on the cartographic sources, was produced that depicted all of the buildings, roads, and local geographic features that were discernable. This schematic served as a guide in the field to identify individual buildings and other components.

A Trimble GeoXT Global Positioning System (GPS) unit was used to locate the HMBLs based on the coordinates that were provided. Once the location was reached, the area within 50 m–100 m (164 ft–328 ft) of the coordinates was visually inspected for aboveground site elements. All such elements (e.g., foundations, wells, cisterns, stone piers, driveways, fruit trees, etc.) were recorded on the site form and drawn on a site schematic. Photographs were taken of each site element, general site conditions, and any intrusion or disturbance evident on the ground surface. The location of each site element and photograph was recorded with the GPS unit.

A series of shovel probes or shovel test pits (STP) were excavated at each HMBL to search for subsurface archaeological remains. Shovel probes are undocumented excavations that examine subsurface soil stratigraphy, often with the goal of identifying areas of disturbance that are not visible above the ground surface. STPs are 50-cm x 50-cm (20-in x 20-in) excavations, typically excavated at 15-m (50-ft) intervals that are used to locate archaeological remains, determine site conditions (i.e., levels of disturbance), and define site limits. STPs were excavated stratigraphically on landforms in the vicinity of the provided coordinates that were deemed likely to hold site elements. They were numbered with a trinomial designating Area-Transsect-Unit. The locations of the excavation units were recorded with the GPS unit.

Artifacts were not collected as a part of this survey. Observed artifacts were noted in the field on the reconnaissance survey documentation form. Diagnostic artifact types were photographed, but were left in their original position within each site.

RESULTS

HMBL 1 is located on a toe ridge at the northern edge of the PORTS property (Figure 1). It is depicted along the east edge of the section line on the oil and gas map (Ohio Department of Natural Resources, Division of Geological Survey [ODNR, DGS] 1905) and the 1917 Piketon quadrangle (USGS 15' topographic map) [Table 1]. The UTM coordinates provided for the survey indicated HMBL 1 was located about 100 m (300 ft) east of where it is shown on the historic mapping. This spot was given a cursory visual inspection and nothing was observed. Testing for a site associated with HMBL 1 was conducted along the section line instead of the location navigated to with the GPS. The plant boundary fence runs along the section line so it was easily identifiable in the field. Most of the woods in this area were relatively clear of underbrush, but there were some areas along the fence where it was quite thick (Plate 1). No building remnants were observed. Four STPs were excavated at 15-m (50-ft) intervals along a single transect extending southeast from the section line, but no artifacts were encountered. Soils in the area were highly eroded or the A horizon had been removed. A ca. 12-m (40-ft) deep railroad cut is

located south of HMBL 1, which could account for the lack of topsoil. The historic mapping indicates that the building, presumably a house, was about 50 m (164 ft) north of the plant boundary in an area that is currently an agricultural field (Plate 2). No testing was conducted in this area because it was outside the PORTS plant. It seems most likely that if there are archaeological deposits associated HMBL they are outside the property. Regardless, there do not appear to be any within the plant boundary and the area adjacent to HMBL 1 is disturbed or eroded.

HMBL 2 (33PK320) is located on a toe ridge at the northern edge of the PORTS property (Figure 1). It is depicted on the oil and gas map (ODNR, DGS 1905), the 1917 Piketon quadrangle (USGS 15' topographic map), and the Atomic Energy Commission (AEC) [1952] property map, and is visible on 1939 and 1951 aerial photographs of the area (Table 1). The UTM coordinates for HMBL 2 (i.e., the location of the buildings on the maps and aerial photographs) are Zone 17, 326619E, 4322862N (NAD27), those listed in Table 1 are for the site (33PK320) associated with it. Four or five buildings are discernable on the aerial photographs; all were north of the PORTS plant boundary in what is currently an agricultural field (Plate 3). The woods inside of the PORTS plant boundary at HMBL 2 were fairly overgrown (Plate 4), making visual inspection difficult, but no in situ building remnants appear to be present. Two rubble piles were observed along the PORTS plant boundary fence about 50 m (164 ft) south of HMBL 2 (Figure 2; Plates 5 and 6). They were large pieces of concrete foundations and brick, including a portion of a set of concrete steps in the western rubble pile (Plate 5). The aerial photographs indicate that the ca. 12-m (40-ft) deep railroad cut south of the site was built between 1938 and 1951. Three STPs along two transects were excavated. STP 7-1-1 was disturbed; containing made land associated with the western push pile, and STP 7-2-1 had subsoil at the surface. It is most likely that the push piles are the remains of buildings that once stood north of the boundary fence and were cleared from the agricultural field, although it is possible that they once stood within the PORTS plant. There could have been buildings along a driveway approaching the site from the south, which was cut off by the railroad, but no evidence of buildings or a driveway was observed and no artifacts were present in the STPs. Site 33PK320 is a secondary deposit of building rubble presumably associated with HMBL 2. It measures 1 m x 20 m (3 ft x 66 ft) and has an area of 20 m² (215 ft²).

HMBL 3 (33PK321) is located in a ravine near the northern edge of the PORTS property (Figure 1). It is depicted on the oil and gas map (ODNR, DGS 1905) and the 1917 Piketon quadrangle (USGS 15' topographic map) and is visible on 1939 and 1951 aerial photographs of the area (Table 1). One building is discernable on the aerial photographs. The woods at HMBL 3 were fairly overgrown (Plate 7), making visual inspection difficult, but no in situ building remnants appear to be present. A ca. 1.5-m (5-ft) diameter well or cistern was encountered (Figure 3; Plate 8). All but the upper 20 cm–30 cm (8 in–12 in) is filled in. Three STPs were excavated at 15-m (50-ft) intervals, two in the woods and one in the adjacent easement along overhead power lines. The latter had disturbed soils, but also contained two sherds of whiteware and two pieces of coal. STP 5-1-1 had an intact A horizon that contained three shards of container glass, two shards of window glass, six sherds of sponge-stamped whiteware, two cut nails, and five brick fragments. The cut nails and sponge-stamped whiteware indicate the site could date to the nineteenth century. No artifacts were recovered from the unit closest to the well or cistern. A few pieces of ceramics were observed along the small drainage at the north edge of the site. There could be archaeological remains of the building that were hidden by the underbrush, or any buildings that were present could have been destroyed during the construction of the power lines. Present information indicates that 33PK321 is a well or cistern and scatter of historic artifacts in a relatively intact context associated with HMBL 3. With the small amount of available data, interpretation is tentative, but the whiteware and container glass suggest domestic activity and the building was probably a house. The site measures 25 m x 30 m (82 ft x 98 ft) and has an area of 625 m² (6,728 ft²).

HMBL 4 (33PK322) is located in a ravine near the northern edge of the PORTS property (Figure 1). It is depicted on the oil and gas map (ODNR, DGS 1905), the 1917 Piketon quadrangle (USGS 15'

topographic map), and the AEC (1952) property map, and is visible on 1939 and 1951 aerial photographs of the area (Table 1). One building is discernable on the aerial photographs. The woods at HMBL 4 were fairly overgrown (Plate 9), making visual inspection difficult. Four sandstone footer forming a roughly 5-m (16-ft) square were observed on the surface (Figure 4). They have been designated Building 1 and most likely correspond to the building shown on the maps and aerial photographs. There is a ca. 1-m x 1.5-m (3-ft x 5-ft) concrete slab set on top of sandstone walls along the south edge of the building (Plate 10). It is probably a stoop outside a doorway, but could be a capped well. There is no opening in the slab so it is unlikely to be a cistern. The cut for the driveway was visible on the surface and southeast of it was a small midden containing brick, bottles, and sheet metal (Plate 11). It is not clear if this is a dump or some other type of deposit. Two STPs were excavated at the site, both of which contained artifacts. They were mostly pieces of coal and brick and concrete fragments, but some pieces of glass were also present. Soils in both units appeared to be relatively intact A horizons. It is possible that additional archaeological remains are present that were hidden by the underbrush. Although there is little evidence of site function to support the contention, it is most likely that 33PK322 is the remains of a small house associated with HMBL 4. The site measures 15 m x 25 m (49 ft x 82 ft) and has an area of 230 m² (2,476 ft²).

HMBL 5 (33PK323) is located in a ravine near the northern edge of the PORTS property (Figure 1). It is depicted and labeled as Moore School on the oil and gas map (ODNR, DGS 1905) and the 1908 Waverly quadrangle (USGS 15' topographic map) [Table 1]. No building is discernable on the aerial photographs. The woods at HMBL 5 were fairly open (Plate 12) so visual inspection was relatively easy, but no buildings were observed. The old roadbed was readily identifiable extending from the railroad bed that cut it off to a culvert at the creek north of the site. There is a leveled area but no building materials were observed (Figure 5; Plate 13). Three STPs were excavated at 15-m (50-ft) intervals; one in the leveled area and one each to its north and south. The leveled area is disturbed but the soil in the STP contained two brick fragments and a few pieces of coal and concrete. STP 4-1-1 had more than 20 brick fragments in it in addition to two pieces of glass and two pieces of concrete. No artifacts were recovered between the leveled area and the railroad tracks and subsoil was at the surface at STP 4-1-3. It is unclear if this area is eroded or disturbed. The artifacts encountered indicate that there was a building present at 33PK323; presumably it was the Moore School. The relative locations of the old road and adjacent stream strongly indicate that it is. However, there is little indication of site function discernable from the archaeological remains. It is not known if the leveled area was created as a building site for the school or was graded off when the building was razed. The site measures 20 m x 20 m (66 ft x 66 ft) and has an area of 285 m² (3,068 ft²).

HMBL 8 is located at the end of a toe ridge above a ravine near the northern edge of the PORTS property (Figure 1). It is depicted on gas map (ODNR, DGS 1905) and the 1908 Waverly quadrangle (USGS 15' topographic map) and the oil [Table 1]. No building is discernable on the aerial photographs, but an orchard is visible on the 1939 aerial at this location. The open field at HMBL 8 had tall weeds and grass (Plate 14). A two-track road is present that appears to correspond to one on the aerials and part of a driveway shown on the aerials might be detectable, but no remains of a building were observed (Figure 6). One apple tree, possibly remnants of the orchard, was observed west of the HMBL on the slope of the ravine. Four STPs were excavated at 15-m (50-ft) intervals along with two shovel probes. The entire area at HMBL 8 is disturbed and no artifacts were encountered. It appears that the area may have been bulldozed, calling into question whether what may be the driveway actually is a vestige of the earlier land use or an artifact of demolition activities. It appears that any archaeological remains that may have been associated with HMBL 8 have been destroyed.

HMBL 9 is located in a ravine near the northern edge of the PORTS property (Figure 1). It is depicted on the 1908 Waverly quadrangle (USGS 15' topographic map) and the oil and gas map (ODNR, DGS 1905) [Table 1]. No building is discernable on the aerial photographs. The woods at HMBL 9 were

fairly open (Plate 15), making visual inspection relatively easy, but no buildings were observed. The ravine bottom where the building is shown floods fairly often. It is not an ideal location for a building and is certainly a poor place to build a house, so much of the high ground surrounding HMBL 9 was inspected as well. The undergrowth was thicker on the elevated areas along the edges of the ravine, making visual inspection of these areas difficult, but there do not appear to be any building remnants. Five STPs, aligned in three transects, were excavated at 15-m (50-ft) intervals. All of the soils were completely eroded or had a very shallow A horizon and no artifacts were encountered. No artifacts were observed along the stream beds. The physiographic setting at HMBL 9 is not amenable to a house. If the building was in the ravine it was likely an outbuilding of some type and there are no remnants of it or evidence of its function. Its use may have been too ephemeral to leave any substantial archaeological remains or the evidence may have eroded away during seasonal flooding. Alternatively, there could be remnants of a house in the thick underbrush on the bluff edges above the ravine, but these areas were well away from the HMBL and no excavations were undertaken to test them.

HMBL 10 is located on a toe ridge along the top of a ravine near the eastern edge of the PORTS property (Figure 1). It is depicted on the oil and gas map (ODNR, DGS 1905) and the 1908 Waverly quadrangle (USGS 15' topographic map) [Table 1]. No building is discernable on the aerial photographs. The woods at HMBL 10 were open in some areas (Plate 16) and very thick and overgrown in others (Plate 17). The entire edge of the ravine on the landform was visually inspected, paying particularly close attention to the HMBL, but no building remnants or other archaeological deposits were observed. Five STPs were excavated along the bluff edge at 15-m (50-ft) intervals centered at the UTM coordinates provided for HMBL 10. No artifacts and no signs of significant disturbance were encountered. The topsoil in STP 8-1-5 was eroded, but there was between 15 cm (6 in) and 30 cm (12 in) of A-horizon soils in the other units. It is most likely that due to mapping inaccuracies or scaling errors the precise location of HMBL 10 was incorrectly calculated. It is also possible that aboveground remains are hidden by the thick underbrush or subsurface remains on a portion of the landform that was not excavated, but no archaeological deposits associated with HMBL 10 were encountered as a result of the current survey effort.

HMBL 32 is located in a ravine near the western edge of the PORTS property (Figure 1). It is depicted on the oil and gas map (ODNR, DGS 1905) and the 1917 Piketon quadrangle (USGS 15' topographic map) and is visible on 1938 and 1951 aerial photographs of the area (Table 1). Two or three buildings are discernable on the aerial photographs. The HMBL is in a road leading back to a PORTS plant pond that is cut into the hillside (Plate 18) and has disturbed the ravine floor all the way to the stream. One shovel probe was excavated to confirm that the area between the road and the stream was fill, which it is. The woods on the hillside north of the road and HMBL 32 were fairly open (Plate 19) making visual inspection relatively easy, but no buildings were observed. This area is steeply sloping so no STPs were excavated. It appears that any archaeological remains associated with HMBL 32 were destroyed or buried under fill when the road and pond were constructed.

HMBL 40 is located on a toe ridge outside the western edge of the PORTS property (Figure 1). It is depicted on the 1917 Piketon quadrangle (USGS 15' topographic map) [Table 1]. No building is discernable on the aerial photographs. The building shown on the 1917 Piketon quadrangle (USGS 15' topographic map) is west of the section line that the PORTS plant boundary follows. The provided coordinates erroneously placed it inside the boundary fence along an overhead power line at the edge of a narrow strip of woods (Plate 20). Four STPs were excavated at 15-m (50-ft) intervals along two transects at this location. Some of this area was disturbed by the construction of the overhead power line and the other portions are now wooded but have been plowed in the past. No archaeological remains were encountered in this area. No vestiges of a building were visible in the open woods immediately outside the PORTS plant boundary, but it was only visually inspected from a distance (i.e., from inside the fence).

HMBL 41 is located in a ravine along Little Beaver Creek in the northern part of the PORTS property (Figure 1). It is depicted on the 1917 Picketon quadrangle (USGS 15' topographic map) and the AEC (1952) property map and is visible on 1939 and 1951 aerial photographs of the area (Table 1). As many as eight buildings are discernable on the aerial photographs. The farmstead was located south of Little Beaver Creek and west of a small drainage in an area that is currently a landfill (Plate 21). Geotextile eroding into the bank of the creek indicates that the entire area has been filled (Plate 22). No excavations were undertaken in this area and any archaeological remains associated with HMBL 41 that may have once existed have been destroyed by the construction of the landfill.

HMBL 50 (33PK324) is located on a ridgetop near the western edge of the PORTS property (Figure 1). It is depicted on the 1917 Picketon quadrangle (USGS 15' topographic map) and the AEC (1952) property map and is visible on 1938 and 1951 aerial photographs of the area (Table 1). Five to seven buildings are discernable on the aerial photographs. The woods at HMBL 50 were fairly overgrown (Plates 23–31), making visual inspection difficult. Four building remnants, the base of a silo, a trough, a concrete pad, and a pile of concrete blocks were found during the visual inspection (Figure 7). No remains of the superstructures of any of the buildings were observed at the site. There is a cluster of buildings and structures around Building 1 visible on the surface at the east end of the site. A low concrete foundation wall and a slab floor are all that remain of Building 1 (Plate 23). The remnant measures approximately 5 m by 15 m (15 ft by 50 ft) and is about 15 cm (6 in) tall. The function of the building is unknown. Just to the west are the remains of Building 2, which consist of a concrete slab with a trough taking up west half of the floor (Plate 24). The trough is sunk below the surface of the floor. A second trough is located just south of Building 2 (Figure 7; Plate 25). Presumably this building and structure are functionally related and possibly served functions associated with livestock. The remains of a 6-m to 7.3-m (20-ft to 24-ft) diameter concrete silo are located in this cluster, northeast of Buildings 1 and 2 (Plate 26). A few parts of the sides of the silo are still standing, but most of it has been removed. Southeast of Building 1 is a concrete paved area (Plate 27) and a driveway (Plate 28). About 50 m (164 ft) southwest of the cluster is the 10-m x 12-m (30-ft x 40-ft) concrete foundation of Building 3 (Plate 29). It is about 1 m (3 ft) tall along the south wall and nearly flush to the ground on the north side. There is an interior wall and two footer pads. It could be a small, three-bay barn, but no data suggesting a function for this building was recovered during the survey. About 50 m (164 ft) up the hill to the west of the cluster there is a remnant of Building 4's foundation (Plate 30). There is part of concrete block foundation wall and a jumble of large pieces of concrete, but no discernable shape to the foundation. The pile of decorative concrete blocks (Plate 31) is located along the west edge of the site between Buildings 3 and 4. STPs were excavated near Buildings 1, 3 and 4 to examine the site conditions and types of artifacts present. All of the units except the one south of Building 1 that was disturbed by the driveway were relatively intact. No artifacts were found near Buildings 1 and 3, but a cut nail and some coal were documented in STP 2-3-1 near Building 4. The site measures 75 m x 90 m (246 ft x 295 ft) and has an area of 4,500 m² (48,438 ft²).

SUMMARY AND RECOMMENDATIONS

ASC Group examined 12 HMBLs and documented archaeological sites (33PK320–33PK324) at five of them (HMBL 2–HMBL5 and HMBL 50). No archaeological remains were encountered at the other seven for a variety of reasons including mapping errors and discrepancies, modern construction activities (e.g., roads, utilities, landfills, etc.), and possibly poor survey conditions. Site 33PK320 is a secondary deposit associated with HMBL 2, which is outside the PORTS properties. HMBLs 1 and 40 are also outside the plant boundary so no further archaeological testing is recommended at any of these three HMBLs. HMBLs 8, 32, and 41 all appear to be completely destroyed and are not good candidates for additional testing. Of the remaining six HMBLs, 33PK322 stands out as a house with a possible early occupation as evidenced by the sandstone piles for the building and is one of very few pier supported houses (as opposed to those with concrete foundations) documented during the various investigations at the PORTS plant, 33PK323 stands out as relatively unique in that it is the remains of a school, and

33PK324 stands out as a relatively complete collection of buildings comprising a small farm. These three sites may contribute new or complementary, non-redundant data to the archaeological record of the historic sites within the PORTS plant. In contrast, 33PK321 appears to have been largely destroyed, and further efforts would likely do little more than confirm this rather than lead to interesting and useful research. Finally, HMBLs 9 and 10 are either so ephemeral that they were not detected or the locations at which the buildings are depicted on the mapping are somewhat inaccurate and their actual locations are unknown. Neither of them appears on the aerial mapping. It is possible that additional efforts will discover and document sites associated with HMBLs 9 and 10, but their condition and research potential are currently unknown.

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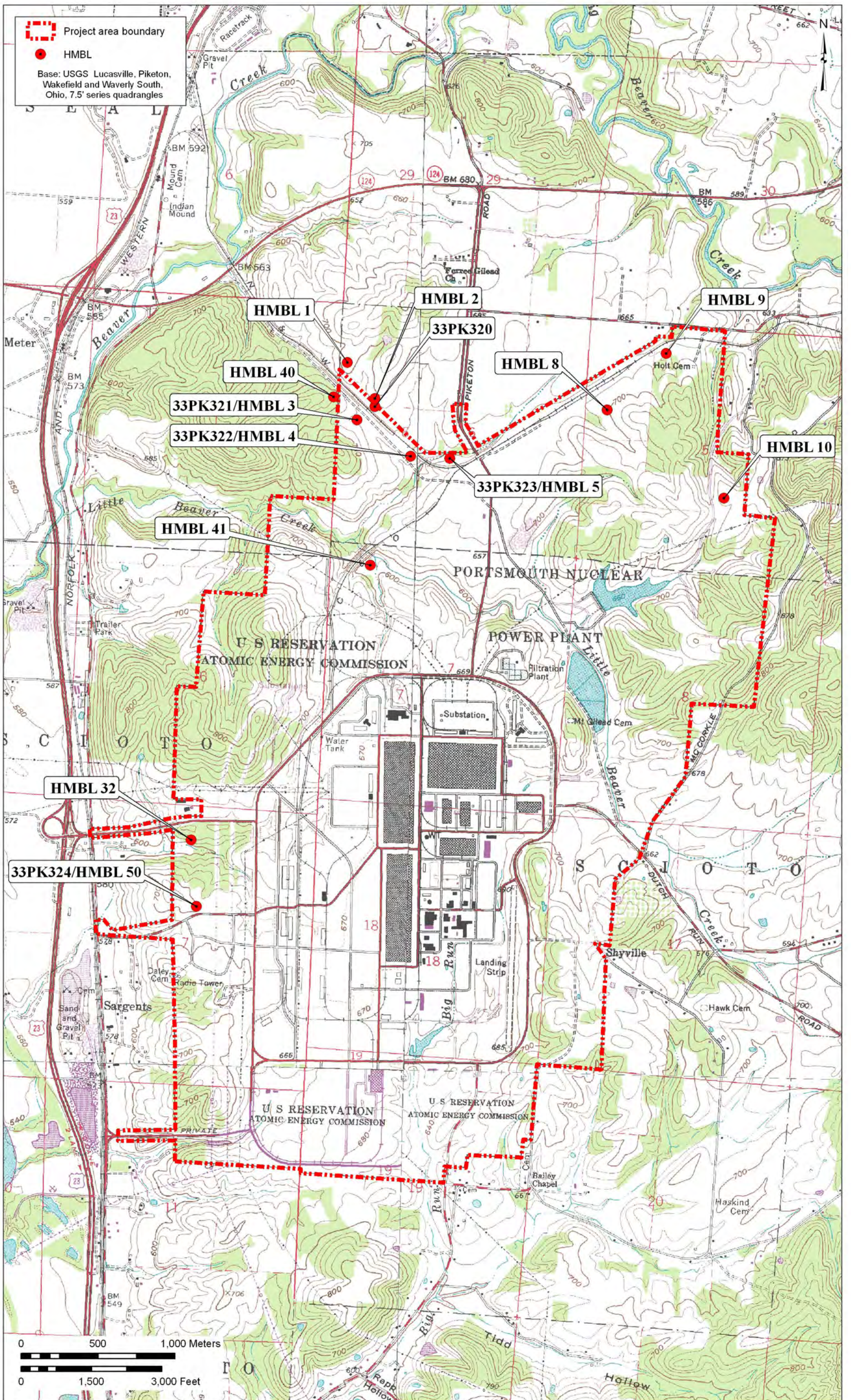
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FIGURES

Figure 1. Portion of the 1972 Lucasville, 1979 Piketon, 1986 Wakefield, and 1992 Waverly South quadrangles (USGS 7.5' topographic maps) showing the locations of the historic map building locations.



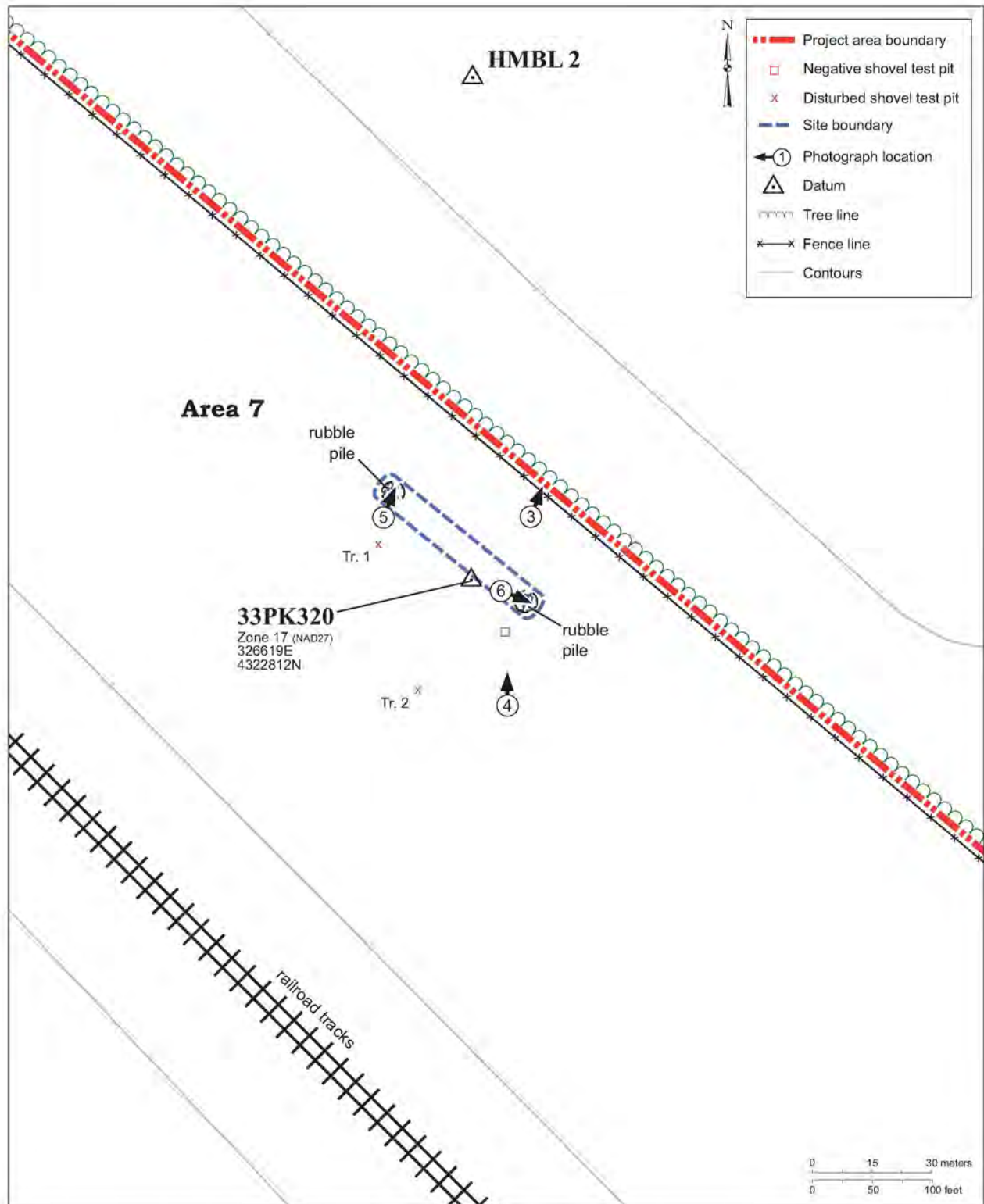


Figure 2. Schematic of 33PK320 at Historic Map Building Location 2.

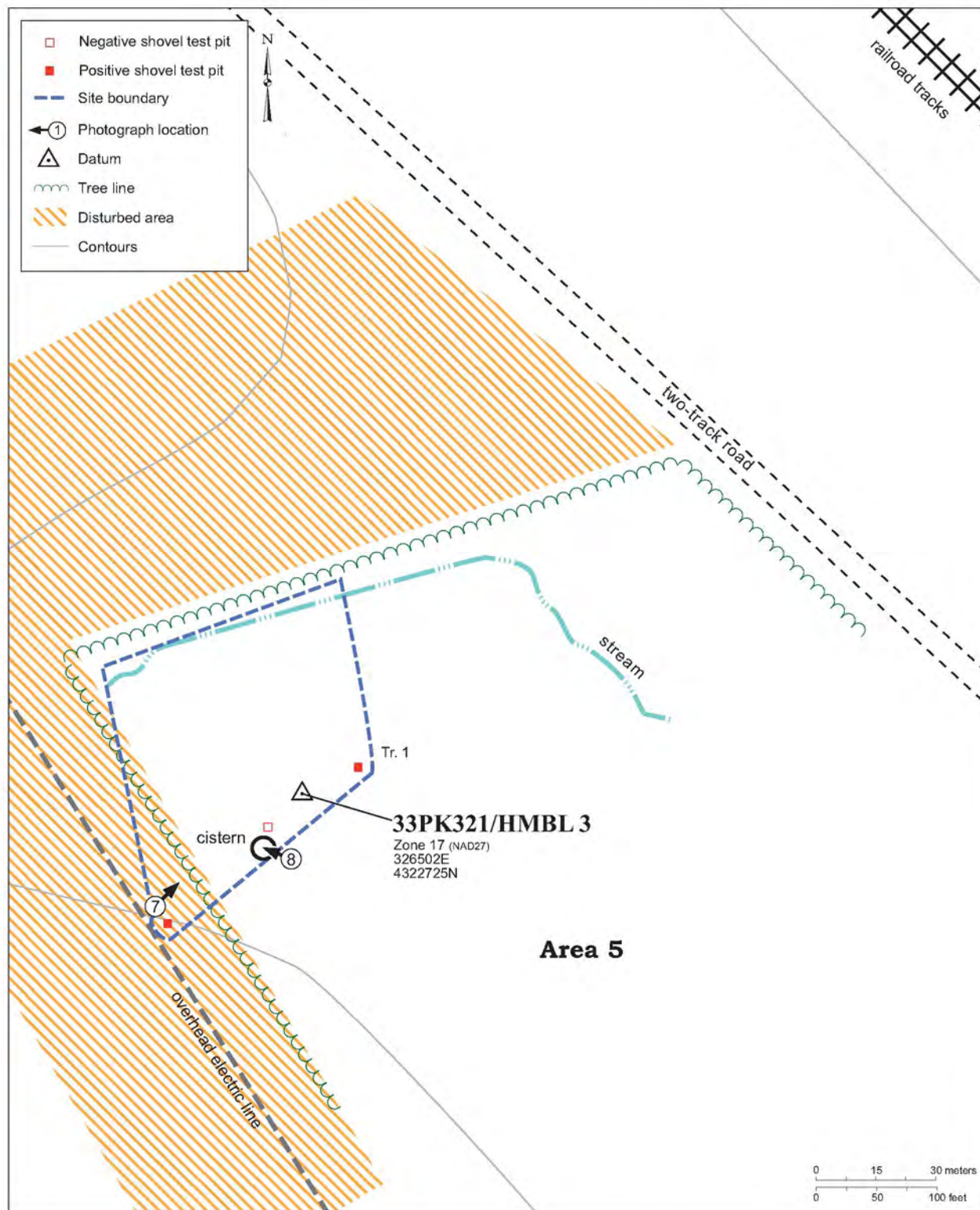


Figure 3. Schematic of 3PK321 at Historic Map Building Location 3.

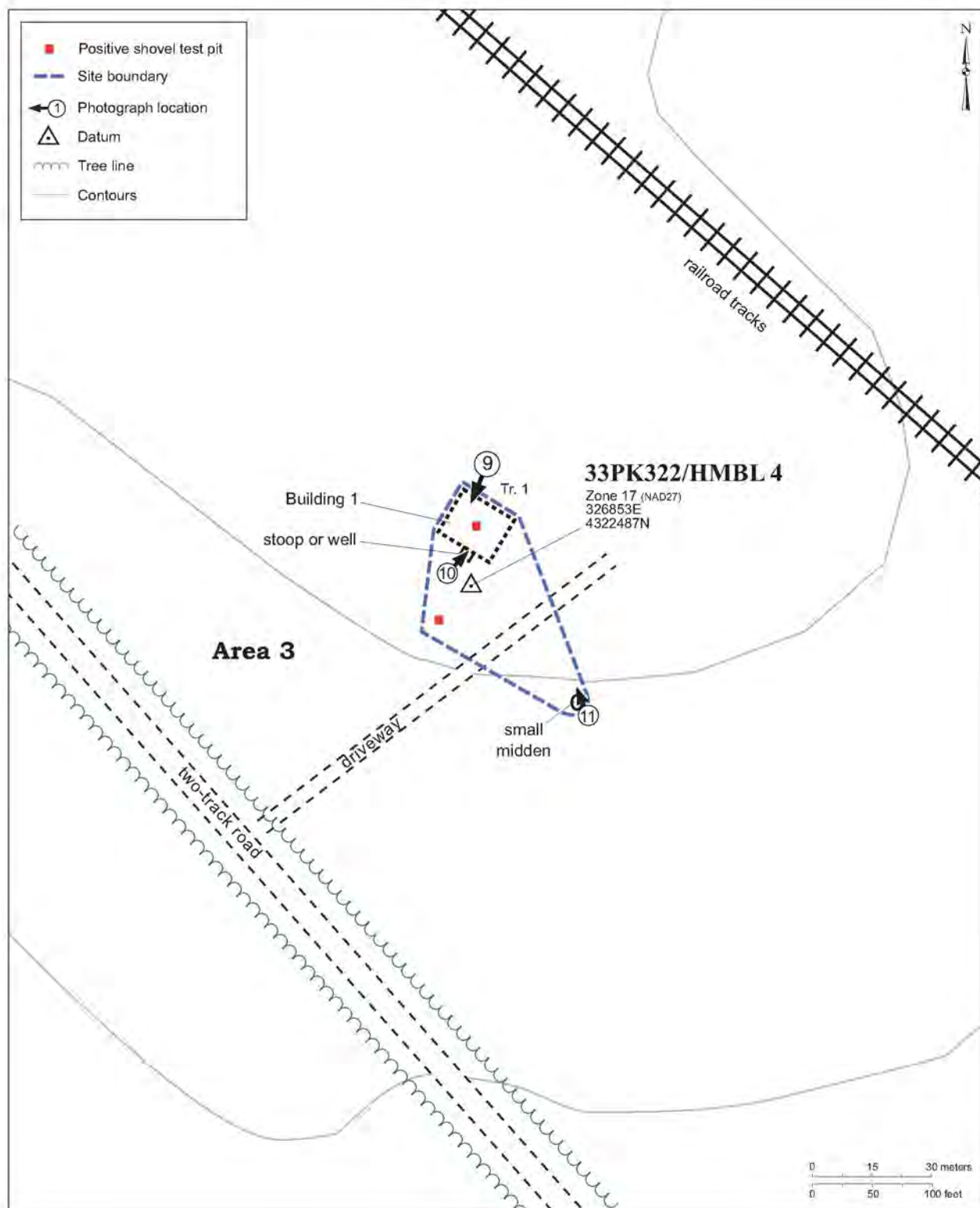


Figure 4. Schematic of 3PK322 at Historic Map Building Location 4.

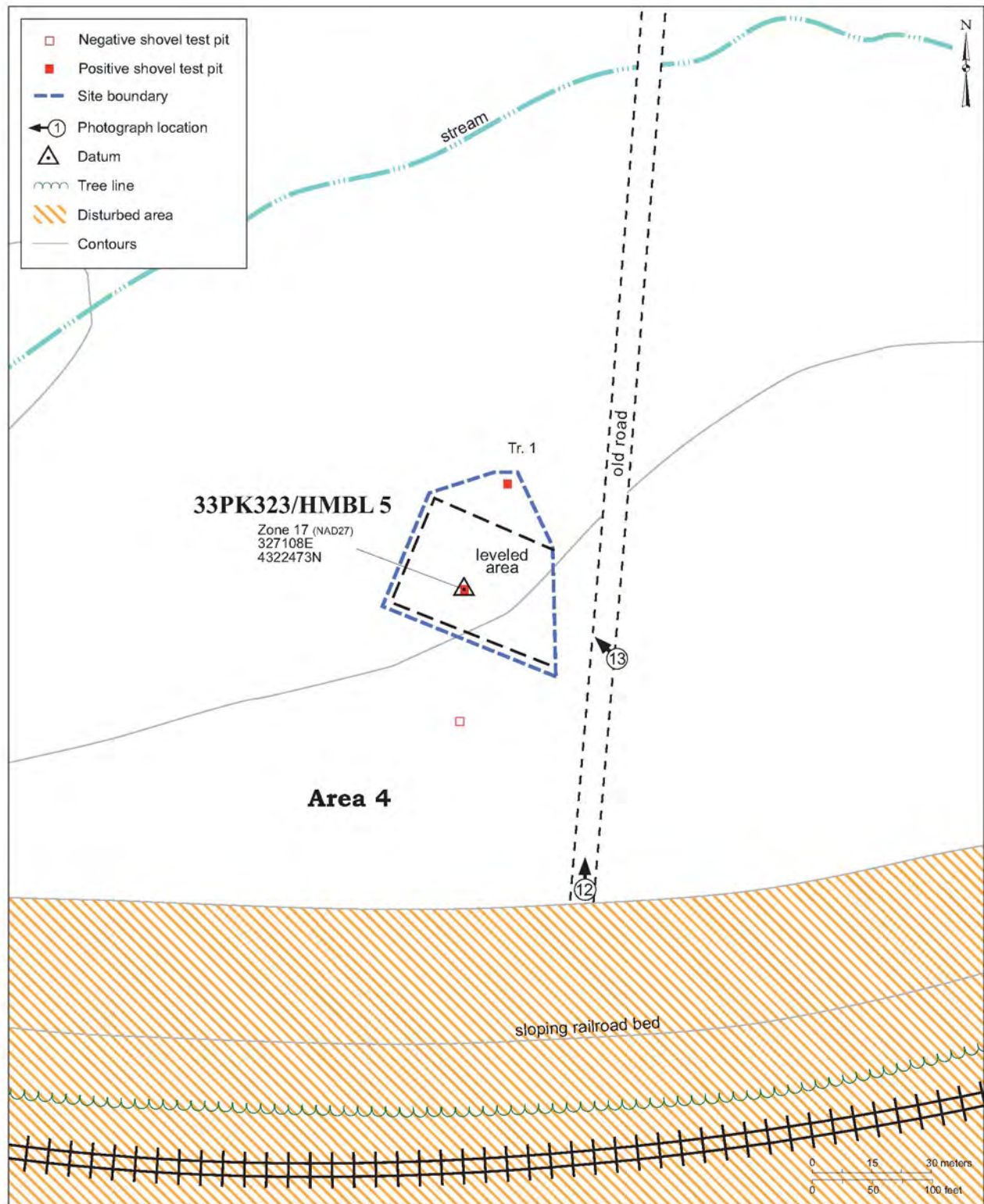


Figure 5. Schematic of 3PK323 at Historic Map Building Location 5.

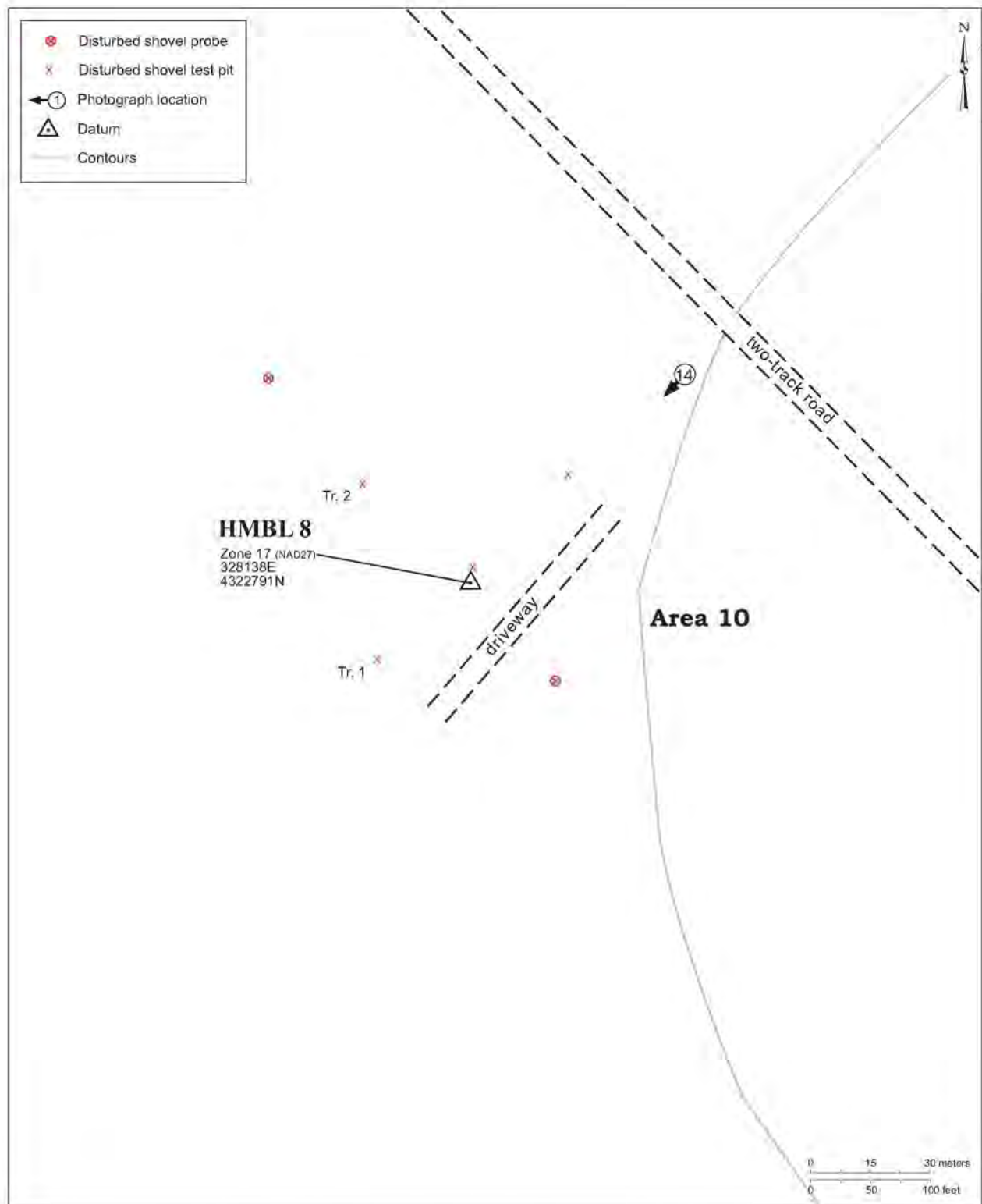


Figure 6. Schematic of Historic Map Building Location 8.

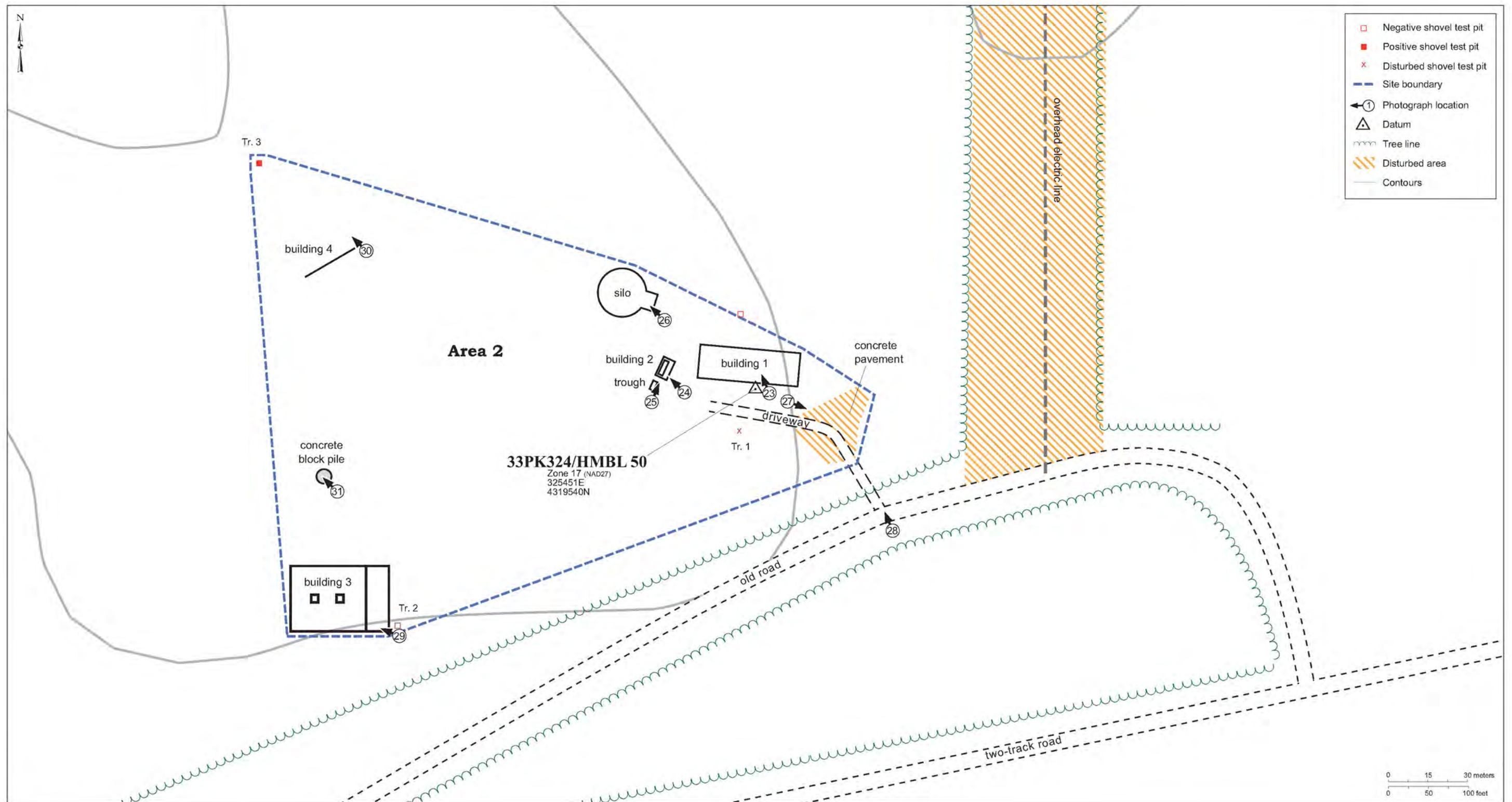


Figure 7. Schematic of 3PK324 at Historic Map Building Location 50.

TABLES

Table 1. Historic Map Building Locations at the PORTS Facility Investigated by ASC Group, Inc.

HMBL	OAI	UTM (NAD27) Easting	UTM (NAD27) Northing	ODNR, DGS 1905	15' TOPO	Aerial Photo 1938/1939	Aerial Photo 1951	AEC 1952	Building Remains	Artifacts	Recommendations
1		326436	4323101	Present	1917 Piketon	Absent	Absent	Absent	Absent	Absent	No further work
2	33PK320	326619	4322812	Present	1917 Piketon	1939	Present	Present	Absent	Present	No further work
3	33PK321	326502	4322725	Present	1917 Piketon	1939	Present	Absent	Present	Present	No further work
4	33PK322	326853	4322487	Present	1917 Piketon	1939	Present	Present	Present	Present	Phase I
5	33PK323	327108	4322473	Present	1908 Waverly	Absent	Absent	Absent	Absent	Present	Phase I
8		328138	4322791	Present	1908 Waverly	Absent	Absent	Absent	Absent	Absent	No further work
9		328526	4323161	Present	1908 Waverly	Absent	Absent	Absent	Absent	Absent	No further work
10		328903	4322214	Present	1908 Waverly	Absent	Absent	Absent	Absent	Absent	No further work
32		325417	4319976	Present	1917 Piketon	1938	Present	Absent	Absent	Absent	No further work
40		326348	4322875	Absent	1917 Piketon	Absent	Absent	Absent	Absent	Absent	No further work
41		326589	4321773	Absent	1917 Piketon	1939	Present	Present	Absent	Absent	No further work
50	33PK324	325451	4319540	Absent	1917 Piketon	1938	Present	Present	Present	Present	Phase I

PLATES



Plate 1. Field conditions within the PORTS facility near HMBL 1; facing north.



Plate 2. Agricultural field north of the PORTS facility near HMBL 1 where the building was likely located; facing north-northeast.



Plate 3. Agricultural field north of the PORTS facility at HMBL 2 where the buildings were likely located; facing north-northeast.



Plate 4. Field conditions within the PORTS facility at 33PK320/HMBL 2; facing north.



Plate 5. Western rubble pile at 33PK320/HMBL 2; facing north-northeast.



Plate 6. Eastern rubble pile at 33PK320/HMBL 2; facing east-southeast.



Plate 7. Field conditions at 33PK321/HMBL 3; facing northeast.



Plate 8. Cistern at 33PK321/HMBL 3; facing west-northwest.



Plate 9. Field conditions at 33PK322/HMBL 4; facing south-southwest.



Plate 10. Concrete stoop or capped well at 33PK322/HMBL 4; facing northeast.



Plate 11. Small midden at 33PK322/HMBL 4, facing north-northwest.



Plate 12. Old road adjacent to 33PK323/HMBL 5; facing north.



Plate 13. Graded area at 33PK323/HMBL 5; facing northwest.



Plate 14. Field conditions at HMBL 8; facing southwest.



Plate 15. Field conditions at HMBL 9; facing south-southwest.



Plate 16. Field conditions in the open portion of HMBL 10; facing north-northwest.



Plate 17. Field conditions in the overgrown portion of HMBL 10; facing north-northeast.



Plate 18. Gravel road cut into hillside at HMBL 32; facing northwest.



Plate 19. Wooded hillside north of HMBL 32; facing west-northwest.



Plate 20. Field conditions at the UTM coordinates provided for HMBL 40; facing northwest.



Plate 21. Field conditions in the landfill at HMBL 41; facing northwest.



Plate 22. Geotextile and fill along the bank of the small creek east of HMBL 41; facing north-northwest.



Plate 23. Building 1 at 33PK324/HMBL 50; facing north-northwest.



Plate 24. Building 2 at 33PK324/HMBL 50; facing northwest.



Plate 25. Trough at 33PK324/HMBL 50; facing north-northeast.



Plate 26. Silo at 33PK324/HMBL 50; facing northwest.



Plate 27. Concrete pavement at 33PK324/HMBL 50; facing east-southeast.



Plate 28. Driveway at 33PK324/HMBL 50; facing north-northwest.



Plate 29. Building 3 at 33PK324/HMBL 50; facing west-northwest.



Plate 30. Building 4 at 33PK324/HMBL 50; facing northwest.



Plate 31. Pile of decorative concrete block at 33PK324/HMBL 50; facing northwest.



OHIO ARCHAEOLOGICAL INVENTORY

*Response required for acceptance of form

for official use only

Coder _____

Date _____

A. Identification

*1. Type of Form (select as many as appropriate):

New Form Revised Form Transcribed Data

2. County Pike *3. Trinomial State Site Number 33- PK - 320

4. Site Name(s) _____

5. Project Site Number _____

6. Other State Site Number _____

7. Source (of Item A.5. and/or A.6.) ASC Group, Inc. 2011 Project Number 1988-01,03 PORTS Farmsteads

B. Location

*1. UTM Zone _____ 16 or 17

Easting 3 2 6 6 2 0

Northing 4 3 2 2 8 1 0

2. Latitude _____° _____' _____"

Longitude _____° _____' _____"

*3. Township 4 N Range 21 W Not Applicable _____

Section 6 1/4 Section: _____ SW _____ SE NW _____ NE

Township Name Seal

*4. Quadrangle Name Pikton 1 9 _____

*5. Quadrangle Date 1979

*6. Confident of Site Location Yes No

C. Ownership

*1. Name(s) United States Department of Energy

Address 1000 Independence Ave., SW

City/Town, State, Zip Washington, DC 20585

Phone (202) 586-5000

2. Tenant (if any) _____

Address _____

City/Town, State, Zip _____

Phone (_____) _____

*3. Ownership Status (select only one, as appropriate):

Private (single) Private (multiple) Local Govt.

State Govt. Federal Govt. Multiple Govt.

Mixed-Govt./Private Unknown

D. Temporal Affiliations

*1. Affiliations Present (select only one, as appropriate):

Prehistoric Historic Prehistoric and Historic

Unknown Unrecorded

*Site No. 33- PK - 320
Plotted

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Prehistoric

*2. Prehistoric Temporal Period(s) Represented (select as many as appropriate)

Unassigned Prehistoric Paleoindian _____
 Archaic: Unassigned Early Middle Late _____
 Woodland: Unassigned Early Middle Late _____
 Late Prehistoric Protohistoric Other (specify) _____

*3. Minimum Number of Prehistoric Temporal Periods Represented _____

*4. Basis for Assignment of Prehistoric Temporal Period(s) (select as many as appropriate):

Diagnostic Artifacts Diagnostic Features Radiometric _____
 Unrecorded Other (specify) _____

5. Prehistoric Cultural Component(s) Represented (see manual):

a. _____
 b. _____
 c. _____
 d. _____
 e. _____
 f. _____

6. Describe how Prehistoric Temporal Period(s) and Cultural Component(s) were determined (list diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features please specify Prehistoric Cultural Component(s) by using letter designations from Item D.5.

Researcher _____

*7. Categories of Prehistoric Materials Present at Site (select as many as appropriate)

Lithics Ceramics Metal Faunal Remains Floral Remains _____
 Human Skeletal Remains Unrecorded Other (specify) _____

8. Specific Prehistoric Cultural Materials Collected:

Type	Count	Type	Count
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Historic

*9. Affiliation Present (select only one, as appropriate):

Aboriginal Non-Aboriginal Both Undetermined _____

*10. Historic Temporal Period(s) Represented (select as many as appropriate):

a. Pre-1795 b. 1796-1829 c. 1830-1849 _____
 d. 1850-1879 e. 1880-1899 f. 1900-1929 _____
 g. 1930-1949 h. 1950-1974 i. 1975-2000 _____
 j. Historic k. 18th Century l. 19th Century _____
 m. 20th Century n. Historic Aboriginal _____

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*11. Minimum Number of Historic Temporal Periods Represented 1 _____

*12. Basis for Assignment of Historic Temporal Period(s) (select as many as appropriate):

- Diagnostic Artifacts Diagnostic Architectural Remains
- Diagnostic Features Documentary Evidence Oral Tradition
- Unrecorded Other (specify) _____

13. Describe how Historic Temporal Period(s) were determined (list any diagnostic architectural remains, diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features specify Historic Temporal Period(s) by using letter designations from Item D.10.

It is depicted on the oil and gas map (Ohio Department of Natural Resources 1905), the 1917 Piketon quadrangle (USGS 15' topographic map), and the Atomic Energy Commission (1952) property map and is visible on 1939 and 1951 aerial photographs of the area.

Researcher _____

*14. Functional Categories of Historic Materials Present at Site (select as many as appropriate):

- Kitchen Furniture Personal
- Toys & Games Printed Matter Religious/Ceremonial
- Military Weapons Transportation
- Architectural Misc. Hardware Const./Manufacturing Tools
- Agricultural Fuel/Energy Food Remains
- Clothing Unrecorded Unknown
- Other (specify) _____

15. Specific Historic Cultural Materials Collected:

Type	Count	Type	Count

General

16. Describe Prehistoric and/or Historic Cultural Materials observed but not collected. State reason(s) for not collecting.

17. Affiliated Ohio Historic Inventory Site Number and Name:

for official use only

E. Physical Description

*1. Archaeological Setting (select only one, as appropriate):

Rockshelter/Cave Open Unrecorded Unknown
 Submerged Other (specify) _____

*2. Prehistoric Site (select as many as appropriate):

Habitation: Camp Village Hamlet Unspecified Habitation
Extractive: Quarry Workshop
Ceremonial: Unspecified Mound Earth Mound Stone Mound
 Effigy Mound Mound Group Hilltop Enclosure
 Geometrical Earthwork Cemetery Isolated Burial(s)
 Petroglyph/Pictograph
Other: Unknown Unrecorded Other (specify) _____

*3. Historic Site Type (select as many as appropriate):

Residential Commercial Social Government
 Religious Educational Mortuary Recreation
 Subsistence Industrial Health Care Military
 Transportation Unrecorded Unknown
 Other (specify) _____

4. State the bases on which site type assignment(s) were made.

It is rubble that appears to be from a farm that once existed north of the site.

*5. Site Condition (select only one, as appropriate):

Undisturbed Disturbed - Extent Unknown Fully Disturbed
 Destroyed Unrecorded Unknown

*6. Dominant Agent(s) of Disturbance (select as many as appropriate):

None Apparent Agriculture Historic Construction Water
 Transportation Archaeological Excavation Mining Vandalism
 Unrecorded Other (specify) _____

7. Nature of Disturbance/Destruction:

*8. Current Dominant Land Use (see manual):

Industrial

9. Land Use History:

*10. Site Elevation 204 Meters A.M.S.L. (elevation to be taken from UTM point)

*11. Physiographic Setting of Site (select only one, as appropriate):

Lake Plain Lexington Peneplain Unglaciaded Plateau
 Till Plain Glaciaded Plateau Unrecorded

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*12. Glacial Geomorphology (select only one, as appropriate):

- Not Applicable Wisconsin End/Lateral Moraine
- Kansan Ground Moraine Wisconsin Kame/Kettle/Esker/Drumlin
- Illinoian Ground Moraine Wisconsin Lacustrine Deposit
- Illinoian Outwash Post Wisconsin Lacustrine Deposit
- Wisconsin Ground Moraine Wisconsin Outwash
- Unrecorded Other (specify) Pre-Illinoian Lacustrine Deposits

*13. Regional Geomorphological Setting (select only one, as appropriate):

- Stream Valley Upland Hill Slope Beach Ridge
- Hill or Ridge Top Lake Plains Interfluvial Zone Unrecorded

*14. Local Environmental Setting (select only one, as appropriate):

- Terrace: Unknown T-1 T-2 T-3 T-4
- Beach Ridge Terrace Remnant Natural Levee Floodplain
 - Low Rise on Floodplain Alluvium Island Kame Drumlin
 - Esker Moraine Glacial Hummock Wetland Hummock
 - Bluff Bluff Base Bluff Edge Saddle Hill or Ridge Top
 - Closed Depression Unrecorded Other (specify) _____

*15. Soils:

- Soil Association Omulga
- Soil Series-Phase/Complex Omulga silt loam, 8 to 15 percent slopes
- Reference USDA, Natural Resources Conservation Service Web Soil Survey
(<http://websoilsurvey.nrcs.usda.gov/app/>)

*16. Down Slope Direction (select only one, as appropriate):

- N NW NE E All Flat
- S SW SE W Unrecorded

*17. Slope Gradient (percent) 0% Unrecorded _____

*18. Drainage System (see manual):

- Major Drainage Ohio River
- Minor Drainage Scioto River

*19. Closest Water Source (select only one, as appropriate):

- Name: Unnamed Tributary to Little Beaver Creek
- Permanent Stream Lake/Pond Ephemeral Stream
 - Permanent Spring Swamp/Bog Intermittent Spring/Seep
 - Slough/Oxbow Lake Artificial Lake/Pond (historic sites only)
 - Artificial Stream/Ditch (historic sites only) Unrecorded
 - Other (specify) _____

*20. Horizontal Distance to Closest Water Source 490 (meters from UTM point)

21. Elevation Above Closest Water Source _____ (meters A.M.S.L. from UTM point)

F. Reporting Information

*1. Investigation Type (select as many as appropriate):

- Reported Examination of Collection Surface Collection
- Auger/Soil Corer Shovel Test(s) Test Pit(s) Test Trench(es)
- Deep Test(s) PZ or Humus Removal Testing/Excav. (strategy unknown)
- Mitigation/Block Excavation Aerial Photograph
- Remote Sensing (specify) _____
- Chemical Analysis (specify) _____
- Unrecorded Other (specify) _____

for official use only

*2. Surface Collection Strategy (select as many as appropriate):

- Not Applicable Grab Sample Diagnostics _____
- Controlled-Unknown Controlled-Total _____
- Controlled-Sample Unrecorded _____
- Other (specify) _____

3. If surface collection strategy is Controlled-Total, Controlled-Sample, or Other, describe methodology and percentage.

4. Surface Visibility (select only one, as appropriate):

- None Less than 10% 11-50%
- 51-90% 91-100% Unrecorded

5. Describe surface conditions.

Woods

*6. Site Area (square meters) 20

Unrecorded _____

*7. Basis for Site Area Estimate (select only one, as appropriate):

- Guessed Historic Maps Aerial Photograph Paced _____
- Taped Transit/Alidade Range Finder Unrecorded
- Other (specify) GPS

*8. Confident of Site Boundaries: No Yes Unrecorded

9. Estimated Percentage of Site Excavated _____ Unrecorded _____ Unknown _____

*10. Name of Form Preparer Chuck Mustain

*11. Institution ASC Group, Inc.

*12. Date of Form (year/month) 11/08

2 0 ____/____

*13. Field Date (year/month) 11/07

2 0 ____/____

14. Time Spent at Site _____

15. Weather Conditions HOT

16. Name(s), Address(es), Phone Number(s) of Local Informants

*17. Artifact Repository (ies) No artifacts were collected.

18. Name(s), Address(es), Phone Number(s) of Owners of Collections From Site (attach inventories of private collections).

for official use only

19. Photographs (select as many as appropriate):

No. of Slides _____ No. of Prints _____

Aerials: _____ Black/White _____ Color _____ Infrared

20. Name and Address of Institution Where Photos Are Filed (include photo log number if available)

*21. National Register Status (select only one, as appropriate):

_____ National Register Property† _____

_____ Determined Eligible for National Register† _____

National Register Status Not Assessed

_____ Removed from National Register† _____

_____ Determined Not Eligible† _____

†Determination made by Keeper of the National Register (date) _____

22. State Registry Status (select only one, as appropriate)

_____ State Registry Listed† _____

Not Assessed for State Registry

_____ Removed from State Registry† _____

_____ Determined Not Eligible† _____

†Determination made by Ohio Historical Society (date) _____

23. Discuss the potential significance of the site (does it meet National Register and/or State Registry criteria of significance in your opinion? Why or why not? Upon what evidence have you based your opinion?)

*24. Special Status (select only one, as appropriate):

None _____ Wilderness Area _____ Wildlife Preserve _____

_____ Park _____ Scenic River _____ Nature Preserve _____

_____ Forest _____ Military Installation _____ Archaeological Preserve _____

_____ Archaeological District _____ Unknown _____

_____ Other (specify) _____

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***G. References** - List Primary Documentary References (see manual):

1. 2011 Summary report for preliminary assessment of 12 historic archaeological sites at the PORTS Plant, Piketon, Ohio. Letter from Chuck Mustain and David Klinge to Chad Book.
2. Ohio Department of Natural Resources, Division of Geological Survey 1905 Pike County Oil and Gas Resources Map. Map, 1:15,840. Ohio Department of Natural Resources, Division of Geological Survey, Columbus.
3. Atomic Energy Commission 1952 Final Project Map. Land acquisition Map, 1:16,000. United States Army Corps of Engineers, Huntington District, Louisville Kentucky.

H. Radiometric Dates

1. Material(s) Dated _____
 Date (uncorrected C14 years) _____
 Laboratory _____
 Sample # _____
 Reference(s) _____
2. Material(s) Dated _____
 Date (uncorrected C14 years) _____
 Laboratory _____
 Sample # _____
 Reference(s) _____
3. Additional Radiometric Dates Yes _____ No _____
 (use Continuation Section to list other dates)

I. Description of Site

*1. State physical description of the site and its setting, including dimensions, features (with measurements), nature and location of artifacts and concentrations, extent and location of disturbances, etc.

Site 33PK320 is located on a toe ridge at the north edge of the PORTS property. It is depicted on the oil and gas map (Ohio Department of Natural Resources, Division of Geological Survey 1905), the 1917 Piketon quadrangle (USGS 15' topographic map), and the Atomic Energy Commission (1952) property map and is visible on 1939 and 1951 aerial photographs of the area. Four or five buildings are discernable on the aerial photographs; all north of the PORTS plant boundary in what is currently an agricultural field. The woods inside of the PORTS plant boundary south of this farm were fairly overgrown making visual inspection difficult, but no in situ building remnants appear to be present. Two rubble piles were observed along the PORTS plant boundary fence about 50 m (164 ft) south of the farm on the aerals. They were large pieces of concrete foundations and brick, including a portion of a set of concrete steps in the western rubble pile. The aerial photographs indicate that the ca. 12 m deep railroad cut south of the site was built between 1938 and 1951. Three STPs along two transects were excavated. STP 7-1-1 was disturbed; containing made land associated with the western push pile and STP 7-2-1 had subsoil at the surface. It is most likely that the push piles are the remains of buildings that once stood north of the boundary fence and were cleared from the agricultural field, although it is possible that they once stood within the PORTS plant. There could have been buildings along a driveway approaching the site from the south, which was cut off by the railroad, but no evidence of them or the driveway were observed and no artifacts were present in the STPs. Site 33PK320 is a secondary deposit of building rubble presumably associated with a razed farm to the north. It measures 1 m x 20 m and has an area of 20 sq m.

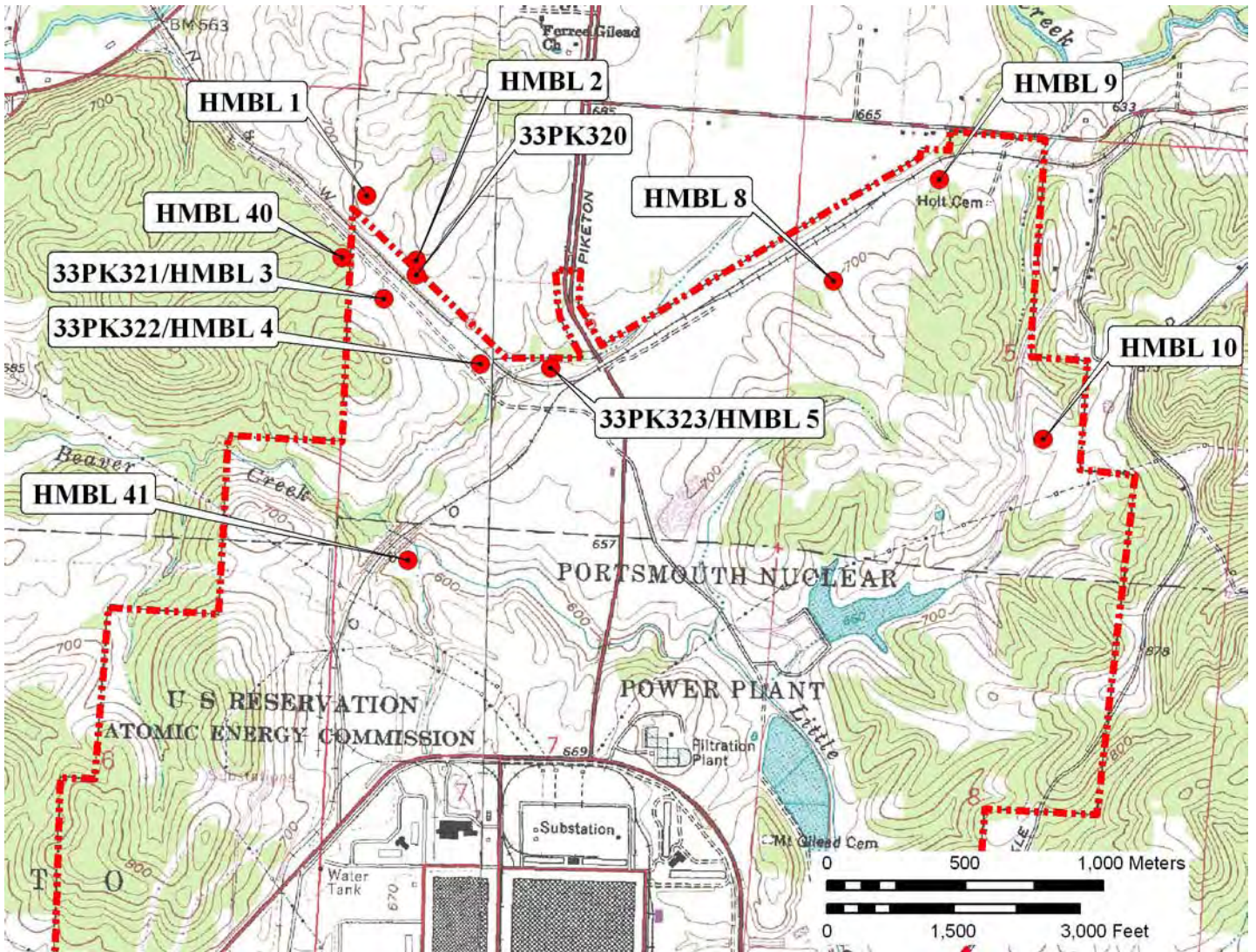
*2. Discuss the relationship between the site and other known sites in the area in terms of location, physical characteristics, size, etc.

This is one of five sites inventoried during a preliminary survey of 12 historic map building locations at the PORTS plant. There is no known relationship between any of these sites.

J. Continuation Section: Specify Section & Item (use additional Continuation Sheet(s) if necessary)

***K. Sketch Map or Copy of Project Map of Site**

Include north arrow and scale. Attach a Xeroxed section of the appropriate U.S.G.S. quadrangle on a separate sheet. Outline total area surveyed and include locations of all identified sites on the Xerox of the quadrangle.



*Site Location
Permanent Feature

Distance (m)

Direction/Bearing from Site to
Terrain Feature



OHIO ARCHAEOLOGICAL INVENTORY

*Response required for acceptance of form

for official use only

Coder _____

Date _____

A. Identification

*1. Type of Form (select as many as appropriate):

New Form Revised Form Transcribed Data

2. County Pike *3. Trinomial State Site Number 33- PK - 321

4. Site Name(s) _____

5. Project Site Number _____

6. Other State Site Number _____

7. Source (of Item A.5. and/or A.6.) ASC Group, Inc. 2011 Project Number 1988-01,03 PORTS Farmsteads

B. Location

*1. UTM Zone _____ 16 or 17

Easting 3 2 6 5 0 0

Northing 4 3 2 2 7 2 0

2. Latitude _____° _____' _____"

Longitude _____° _____' _____"

*3. Township 4 N Range 21 W Not Applicable _____

Section 6 1/4 Section: _____ SW _____ SE NW _____ NE

Township Name Seal

*4. Quadrangle Name Piketon 1 9 _____

*5. Quadrangle Date 1979

*6. Confident of Site Location Yes No

C. Ownership

*1. Name(s) United States Department of Energy

Address 1000 Independence Ave., SW

City/Town, State, Zip Washington, DC 20585

Phone (202) 586-5000

2. Tenant (if any) _____

Address _____

City/Town, State, Zip _____

Phone (_____) _____

*3. Ownership Status (select only one, as appropriate):

Private (single) Private (multiple) Local Govt.

State Govt. Federal Govt. Multiple Govt.

Mixed-Govt./Private Unknown

D. Temporal Affiliations

*1. Affiliations Present (select only one, as appropriate):

Prehistoric Historic Prehistoric and Historic

Unknown Unrecorded

*Site No. 33- PK - 321
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Prehistoric

*2. Prehistoric Temporal Period(s) Represented (select as many as appropriate)

Unassigned Prehistoric Paleoindian _____
 Archaic: Unassigned Early Middle Late _____
 Woodland: Unassigned Early Middle Late _____
 Late Prehistoric Protohistoric Other (specify) _____

*3. Minimum Number of Prehistoric Temporal Periods Represented _____

*4. Basis for Assignment of Prehistoric Temporal Period(s) (select as many as appropriate):

Diagnostic Artifacts Diagnostic Features Radiometric _____
 Unrecorded Other (specify) _____

5. Prehistoric Cultural Component(s) Represented (see manual):

a. _____
 b. _____
 c. _____
 d. _____
 e. _____
 f. _____

6. Describe how Prehistoric Temporal Period(s) and Cultural Component(s) were determined (list diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features please specify Prehistoric Cultural Component(s) by using letter designations from Item D.5.

Researcher _____

*7. Categories of Prehistoric Materials Present at Site (select as many as appropriate)

Lithics Ceramics Metal Faunal Remains Floral Remains _____
 Human Skeletal Remains Unrecorded Other (specify) _____

8. Specific Prehistoric Cultural Materials Collected:

Type	Count	Type	Count
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Historic

*9. Affiliation Present (select only one, as appropriate):

Aboriginal Non-Aboriginal Both Undetermined _____

*10. Historic Temporal Period(s) Represented (select as many as appropriate):

a. Pre-1795 b. 1796-1829 c. 1830-1849 _____
 d. 1850-1879 e. 1880-1899 f. 1900-1929 _____
 g. 1930-1949 h. 1950-1974 i. 1975-2000 _____
 j. Historic k. 18th Century l. 19th Century _____
 m. 20th Century n. Historic Aboriginal _____

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*11. Minimum Number of Historic Temporal Periods Represented 1

*12. Basis for Assignment of Historic Temporal Period(s) (select as many as appropriate):

- Diagnostic Artifacts Diagnostic Architectural Remains
- Diagnostic Features Documentary Evidence Oral Tradition
- Unrecorded Other (specify) _____

13. Describe how Historic Temporal Period(s) were determined (list any diagnostic architectural remains, diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features specify Historic Temporal Period(s) by using letter designations from Item D.10.

It is depicted on the oil and gas map (Ohio Department of Natural Resources 1905) and the 1917 Piketon quadrangle (USGS 15' topographic map) and is visible on 1939 and 1951 aerial photographs of the area.

Researcher _____

*14. Functional Categories of Historic Materials Present at Site (select as many as appropriate):

- Kitchen Furniture Personal
- Toys & Games Printed Matter Religious/Ceremonial
- Military Weapons Transportation
- Architectural Misc. Hardware Const./Manufacturing Tools
- Agricultural Fuel/Energy Food Remains
- Clothing Unrecorded Unknown
- Other (specify) _____

15. Specific Historic Cultural Materials Collected:

Type	Count	Type	Count

General

16. Describe Prehistoric and/or Historic Cultural Materials observed but not collected. State reason(s) for not collecting.

Whiteware (sponge stamped), cut nail, container glass, window glass, brick fragments, and coal were documented in STPs excavated at the site, but no artifacts were collected during this project.

17. Affiliated Ohio Historic Inventory Site Number and Name:

for official use only

E. Physical Description

*1. Archaeological Setting (select only one, as appropriate):

- Rockshelter/Cave Open Unrecorded Unknown
- Submerged Other (specify) _____

*2. Prehistoric Site (select as many as appropriate):

- Habitation: Camp Village Hamlet Unspecified Habitation
- Extractive: Quarry Workshop
- Ceremonial: Unspecified Mound Earth Mound Stone Mound
- Effigy Mound Mound Group Hilltop Enclosure
- Geometrical Earthwork Cemetery Isolated Burial(s)
- Petroglyph/Pictograph
- Other: Unknown Unrecorded Other (specify) _____

*3. Historic Site Type (select as many as appropriate):

- Residential Commercial Social Government
- Religious Educational Mortuary Recreation
- Subsistence Industrial Health Care Military
- Transportation Unrecorded Unknown
- Other (specify) _____

4. State the bases on which site type assignment(s) were made.

*5. Site Condition (select only one, as appropriate):

- Undisturbed Disturbed - Extent Unknown Fully Disturbed
- Destroyed Unrecorded Unknown

*6. Dominant Agent(s) of Disturbance (select as many as appropriate):

- None Apparent Agriculture Historic Construction Water
- Transportation Archaeological Excavation Mining Vandalism
- Unrecorded Other (specify) _____

7. Nature of Disturbance/Destruction:

*8. Current Dominant Land Use (see manual):

Industrial

9. Land Use History:

*10. Site Elevation 201 Meters A.M.S.L. (elevation to be taken from UTM point)

*11. Physiographic Setting of Site (select only one, as appropriate):

- Lake Plain Lexington Peneplain Unglaciaded Plateau
- Till Plain Glaciaded Plateau Unrecorded

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*12. Glacial Geomorphology (select only one, as appropriate):

- Not Applicable Wisconsin End/Lateral Moraine
- Kansan Ground Moraine Wisconsin Kame/Kettle/Esker/Drumlin
- Illinoian Ground Moraine Wisconsin Lacustrine Deposit
- Illinoian Outwash Post Wisconsin Lacustrine Deposit
- Wisconsin Ground Moraine Wisconsin Outwash
- Unrecorded Other (specify) Pre-Illinoian Lacustrine Deposits

*13. Regional Geomorphological Setting (select only one, as appropriate):

- Stream Valley Upland Hill Slope Beach Ridge
- Hill or Ridge Top Lake Plains Interfluvial Zone Unrecorded

*14. Local Environmental Setting (select only one, as appropriate):

- Terrace: Unknown T-1 T-2 T-3 T-4
- Beach Ridge Terrace Remnant Natural Levee Floodplain
 - Low Rise on Floodplain Alluvium Island Kame Drumlin
 - Esker Moraine Glacial Hummock Wetland Hummock
 - Bluff Bluff Base Bluff Edge Saddle Hill or Ridge Top
 - Closed Depression Unrecorded Other (specify) _____

*15. Soils:

- Soil Association Omulga
- Soil Series-Phase/Complex Omulga silt loam, 3 to 8 percent slopes
- Reference USDA, Natural Resources Conservation Service Web Soil Survey
(<http://websoilsurvey.nrcs.usda.gov/app/>)

*16. Down Slope Direction (select only one, as appropriate):

- N NW NE E All Flat
- S SW SE W Unrecorded

*17. Slope Gradient (percent) 2% Unrecorded _____

*18. Drainage System (see manual):

- Major Drainage Ohio River
- Minor Drainage Scioto River

*19. Closest Water Source (select only one, as appropriate):

- Name: Unnamed Tributary to Little Beaver Creek
- Permanent Stream Lake/Pond Ephemeral Stream
 - Permanent Spring Swamp/Bog Intermittent Spring/Seep
 - Slough/Oxbow Lake Artificial Lake/Pond (historic sites only)
 - Artificial Stream/Ditch (historic sites only) Unrecorded
 - Other (specify) _____

*20. Horizontal Distance to Closest Water Source 520 (meters from UTM point)

21. Elevation Above Closest Water Source _____ (meters A.M.S.L. from UTM point)

F. Reporting Information

*1. Investigation Type (select as many as appropriate):

- Reported Examination of Collection Surface Collection
- Auger/Soil Corer Shovel Test(s) Test Pit(s) Test Trench(es)
- Deep Test(s) PZ or Humus Removal Testing/Excav. (strategy unknown)
- Mitigation/Block Excavation Aerial Photograph
- Remote Sensing (specify) _____
- Chemical Analysis (specify) _____
- Unrecorded Other (specify) _____

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*2. Surface Collection Strategy (select as many as appropriate):

- Not Applicable Grab Sample Diagnostics _____
- Controlled-Unknown Controlled-Total _____
- Controlled-Sample Unrecorded _____
- Other (specify) _____

3. If surface collection strategy is Controlled-Total, Controlled-Sample, or Other, describe methodology and percentage.

4. Surface Visibility (select only one, as appropriate):

- None Less than 10% 11-50%
- 51-90% 91-100% Unrecorded

5. Describe surface conditions.

woods

*6. Site Area (square meters) 625

Unrecorded _____

*7. Basis for Site Area Estimate (select only one, as appropriate):

- Guessed Historic Maps Aerial Photograph Paced _____
- Taped Transit/Alidade Range Finder Unrecorded
- Other (specify) GPS

*8. Confident of Site Boundaries: No Yes Unrecorded

9. Estimated Percentage of Site Excavated _____ Unrecorded _____ Unknown _____

*10. Name of Form Preparer Chuck Mustain

*11. Institution ASC Group, Inc.

*12. Date of Form (year/month) 11/08

2 0 ____/____

*13. Field Date (year/month) 11/07

2 0 ____/____

14. Time Spent at Site _____

15. Weather Conditions HOT

16. Name(s), Address(es), Phone Number(s) of Local Informants

*17. Artifact Repository (ies) No artifacts were collected.

18. Name(s), Address(es), Phone Number(s) of Owners of Collections From Site (attach inventories of private collections).

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19. Photographs (select as many as appropriate):

No. of Slides _____ No. of Prints _____

Aerials: _____ Black/White _____ Color _____ Infrared

20. Name and Address of Institution Where Photos Are Filed (include photo log number if available)

*21. National Register Status (select only one, as appropriate):

_____ National Register Property† _____

_____ Determined Eligible for National Register† _____

National Register Status Not Assessed

_____ Removed from National Register† _____

_____ Determined Not Eligible† _____

†Determination made by Keeper of the National Register (date) _____

22. State Registry Status (select only one, as appropriate)

_____ State Registry Listed† _____

Not Assessed for State Registry

_____ Removed from State Registry† _____

_____ Determined Not Eligible† _____

†Determination made by Ohio Historical Society (date) _____

23. Discuss the potential significance of the site (does it meet National Register and/or State Registry criteria of significance in your opinion? Why or why not? Upon what evidence have you based your opinion?)

*24. Special Status (select only one, as appropriate):

None _____ Wilderness Area _____ Wildlife Preserve _____

_____ Park _____ Scenic River _____ Nature Preserve _____

_____ Forest _____ Military Installation _____ Archaeological Preserve _____

_____ Archaeological District _____ Unknown _____

_____ Other (specify) _____

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***G. References** - List Primary Documentary References (see manual):

1. 2011 Summary report for preliminary assessment of 12 historic archaeological sites at the PORTS Plant, Piketon, Ohio. Letter from Chuck Mustain and David Klinge to Chad Book.
2. Ohio Department of Natural Resources, Division of Geological Survey 1905 Pike County Oil and Gas Resources Map. Map, 1:15,840. Ohio Department of Natural Resources, Division of Geological Survey, Columbus.
3. _____

H. Radiometric Dates

1. Material(s) Dated _____
 Date (uncorrected C14 years) _____
 Laboratory _____
 Sample # _____
 Reference(s) _____
2. Material(s) Dated _____
 Date (uncorrected C14 years) _____
 Laboratory _____
 Sample # _____
 Reference(s) _____
3. Additional Radiometric Dates Yes _____ No _____
 (use Continuation Section to list other dates)

I. Description of Site

*1. State physical description of the site and its setting, including dimensions, features (with measurements), nature and location of artifacts and concentrations, extent and location of disturbances, etc.

Site 33PK321 is located in a ravine near the north edge of the PORTS property. It is depicted on the oil and gas map (Ohio Department of Natural Resources, Division of Geological Survey 1905) and the 1917 Piketon quadrangle (USGS 15' topographic map) and is visible on 1939 and 1951 aerial photographs of the area. One building is discernable on the aerial photographs. The woods at the site were fairly overgrown making visual inspection difficult, but no in situ building remnants appear to be present. A ca. 1.5-m diameter well or cistern was encountered. All but the upper 20 cm–30 cm are filled in. Three STPs were excavated at 15-m intervals, two in the woods and one in the adjacent easement along overhead power lines. The latter had disturbed soils, but also contained two sherds of whiteware and two pieces of coal. STP 5-1-1 had an intact A horizon that contained three shards of container glass, two shards of window glass, six sherds of sponge stamped whiteware, two cut nails, and five brick fragments. The cut nails and sponge stamped whiteware indicate the site could date to the nineteenth century. No artifacts were recovered from the unit closest to the well or cistern. A few pieces of ceramics were observed along the small drainage at the north edge of the site. There could be archaeological remains of the building that were hidden by the underbrush or any that were present could have been destroyed during the construction of the power lines. Present information indicates that 33PK321 is a well or cistern and scatter of historic artifacts in a relatively intact context associated with a building depicted on historic maps and aerial photographs. With the small amount of data available interpretation is tentative, but the whiteware and container glass suggest domestic activity and the building was probably a house. The site measures 25 m x 30 m and has an area of 625 sq m.

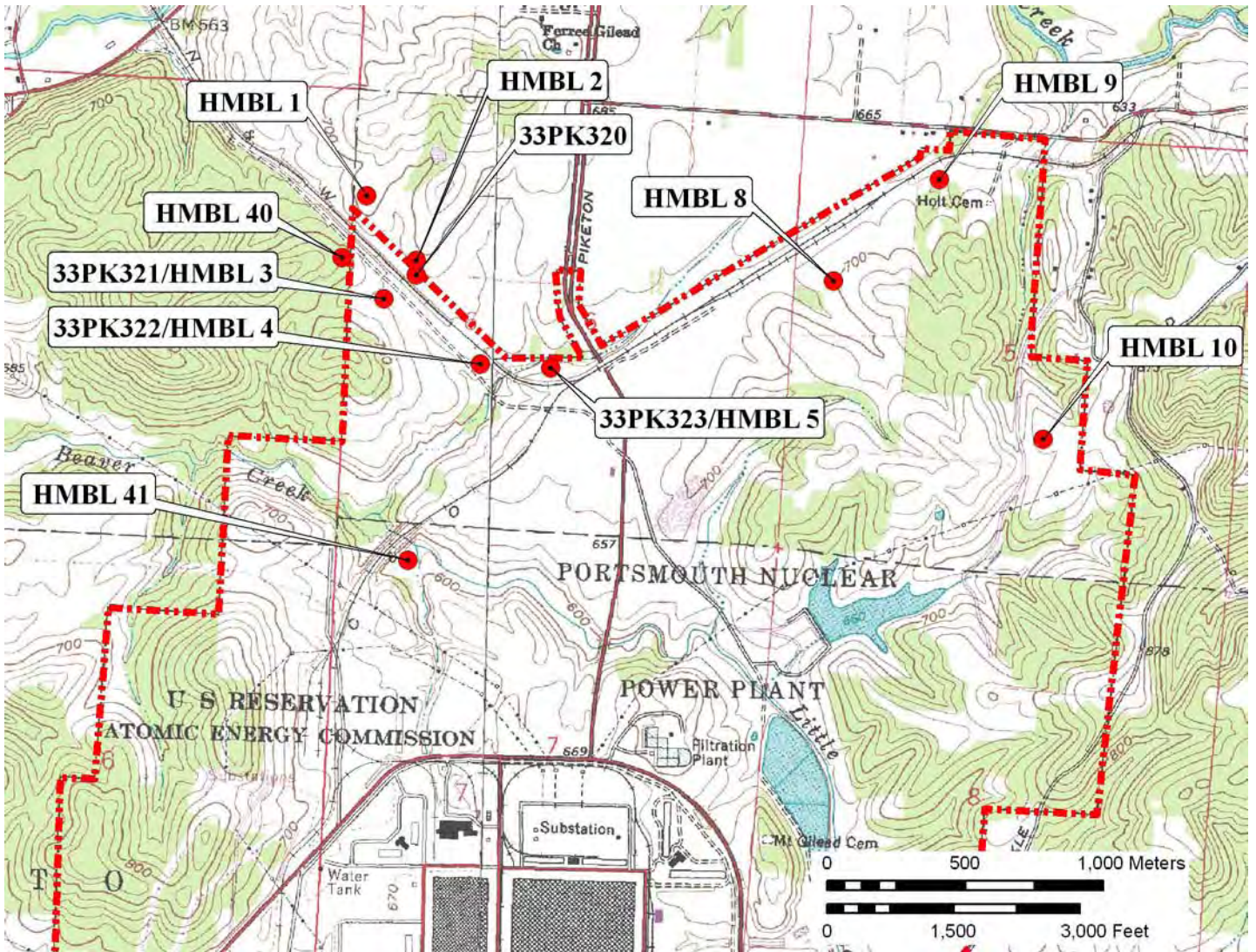
*2. Discuss the relationship between the site and other known sites in the area in terms of location, physical characteristics, size, etc.

This is one of five sites inventoried during a preliminary survey of 12 historic map building locations at the PORTS plant. There is no known relationship between any of these sites.

J. Continuation Section: Specify Section & Item (use additional Continuation Sheet(s) if necessary)

***K. Sketch Map or Copy of Project Map of Site**

Include north arrow and scale. Attach a Xeroxed section of the appropriate U.S.G.S. quadrangle on a separate sheet. Outline total area surveyed and include locations of all identified sites on the Xerox of the quadrangle.



*Site Location
Permanent Feature

Distance (m)

Direction/Bearing from Site to
Terrain Feature

_____	_____	_____
_____	_____	_____
_____	_____	_____



OHIO ARCHAEOLOGICAL INVENTORY

*Response required for acceptance of form

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Coder _____

Date _____

A. Identification

*1. Type of Form (select as many as appropriate):

New Form Revised Form Transcribed Data

2. County Pike *3. Trinomial State Site Number 33- PK - 322

4. Site Name(s) _____

5. Project Site Number _____

6. Other State Site Number _____

7. Source (of Item A.5. and/or A.6.) ASC Group, Inc. 2011 Project Number 1988-01,03 PORTS Farmsteads

B. Location

*1. UTM Zone _____ 16 or 17

Easting 3 2 6 8 5 0

Northing 4 3 2 2 4 9 0

2. Latitude _____° _____' _____"

Longitude _____° _____' _____"

*3. Township 4 N Range 21 W Not Applicable _____

Section 6 1/4 Section: SW SE NW NE

Township Name Seal

*4. Quadrangle Name Piketon 1 9 _____

*5. Quadrangle Date 1979

*6. Confident of Site Location Yes No

C. Ownership

*1. Name(s) United States Department of Energy

Address 1000 Independence Ave., SW

City/Town, State, Zip Washington, DC 20585

Phone (202) 586-5000

2. Tenant (if any) _____

Address _____

City/Town, State, Zip _____

Phone (_____) _____

*3. Ownership Status (select only one, as appropriate):

Private (single) Private (multiple) Local Govt. _____

State Govt. Federal Govt. Multiple Govt. _____

Mixed-Govt./Private Unknown _____

D. Temporal Affiliations

*1. Affiliations Present (select only one, as appropriate):

Prehistoric Historic Prehistoric and Historic _____

Unknown Unrecorded _____

*Site No. 33- PK - 322
Plotted

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Prehistoric

*2. Prehistoric Temporal Period(s) Represented (select as many as appropriate)

Unassigned Prehistoric Paleoindian _____
 Archaic: Unassigned Early Middle Late _____
 Woodland: Unassigned Early Middle Late _____
 Late Prehistoric Protohistoric Other (specify) _____

*3. Minimum Number of Prehistoric Temporal Periods Represented _____

*4. Basis for Assignment of Prehistoric Temporal Period(s) (select as many as appropriate):

Diagnostic Artifacts Diagnostic Features Radiometric _____
 Unrecorded Other (specify) _____

5. Prehistoric Cultural Component(s) Represented (see manual):

a. _____
 b. _____
 c. _____
 d. _____
 e. _____
 f. _____

6. Describe how Prehistoric Temporal Period(s) and Cultural Component(s) were determined (list diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features please specify Prehistoric Cultural Component(s) by using letter designations from Item D.5.

Researcher _____

*7. Categories of Prehistoric Materials Present at Site (select as many as appropriate)

Lithics Ceramics Metal Faunal Remains Floral Remains _____
 Human Skeletal Remains Unrecorded Other (specify) _____

8. Specific Prehistoric Cultural Materials Collected:

Type	Count	Type	Count
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Historic

*9. Affiliation Present (select only one, as appropriate):

Aboriginal Non-Aboriginal Both Undetermined _____

*10. Historic Temporal Period(s) Represented (select as many as appropriate):

a. Pre-1795 b. 1796-1829 c. 1830-1849 _____
 d. 1850-1879 e. 1880-1899 f. 1900-1929 _____
 g. 1930-1949 h. 1950-1974 i. 1975-2000 _____
 j. Historic k. 18th Century l. 19th Century _____
 m. 20th Century n. Historic Aboriginal _____

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*11. Minimum Number of Historic Temporal Periods Represented 1 _____

*12. Basis for Assignment of Historic Temporal Period(s) (select as many as appropriate):

- Diagnostic Artifacts Diagnostic Architectural Remains
- Diagnostic Features Documentary Evidence Oral Tradition
- Unrecorded Other (specify) _____

13. Describe how Historic Temporal Period(s) were determined (list any diagnostic architectural remains, diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features specify Historic Temporal Period(s) by using letter designations from Item D.10.

It is depicted on the oil and gas map (Ohio Department of Natural Resources 1905), the 1917 Piketon quadrangle (USGS 15' topographic map), and the Atomic Energy Commission (1952) property map and is visible on 1939 and 1951 aerial photographs of the area.

Researcher _____

*14. Functional Categories of Historic Materials Present at Site (select as many as appropriate):

- Kitchen Furniture Personal
- Toys & Games Printed Matter Religious/Ceremonial
- Military Weapons Transportation
- Architectural Misc. Hardware Const./Manufacturing Tools
- Agricultural Fuel/Energy Food Remains
- Clothing Unrecorded Unknown
- Other (specify) _____

15. Specific Historic Cultural Materials Collected:

Type	Count	Type	Count

General

16. Describe Prehistoric and/or Historic Cultural Materials observed but not collected. State reason(s) for not collecting.

Sheet metal, glass, brick, concrete, and coal were documented in STPs excavated at the site or on the surface, but no artifacts were collected during this project.

17. Affiliated Ohio Historic Inventory Site Number and Name:

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E. Physical Description

*1. Archaeological Setting (select only one, as appropriate):

- Rockshelter/Cave Open Unrecorded Unknown _____
- Submerged Other (specify) _____

*2. Prehistoric Site (select as many as appropriate):

- Habitation: Camp Village Hamlet Unspecified Habitation _____
- Extractive: Quarry Workshop _____
- Ceremonial: Unspecified Mound Earth Mound Stone Mound _____
- Effigy Mound Mound Group Hilltop Enclosure _____
- Geometrical Earthwork Cemetery Isolated Burial(s) _____
- Petroglyph/Pictograph _____
- Other: Unknown Unrecorded Other (specify) _____

*3. Historic Site Type (select as many as appropriate):

- Residential Commercial Social Government _____
- Religious Educational Mortuary Recreation _____
- Subsistence Industrial Health Care Military _____
- Transportation Unrecorded Unknown _____
- Other (specify) _____

4. State the bases on which site type assignment(s) were made.

*5. Site Condition (select only one, as appropriate):

- Undisturbed Disturbed - Extent Unknown Fully Disturbed _____
- Destroyed Unrecorded Unknown _____

*6. Dominant Agent(s) of Disturbance (select as many as appropriate):

- None Apparent Agriculture Historic Construction Water _____
- Transportation Archaeological Excavation Mining Vandalism _____
- Unrecorded Other (specify) _____

7. Nature of Disturbance/Destruction:

*8. Current Dominant Land Use (see manual):

Industrial _____

9. Land Use History:

*10. Site Elevation 195 Meters A.M.S.L. (elevation to be taken from UTM point) _____

*11. Physiographic Setting of Site (select only one, as appropriate):

- Lake Plain Lexington Peneplain Unglaciaded Plateau _____
- Till Plain Glaciaded Plateau Unrecorded _____

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*12. Glacial Geomorphology (select only one, as appropriate):

- Not Applicable Wisconsin End/Lateral Moraine
- Kansan Ground Moraine Wisconsin Kame/Kettle/Esker/Drumlin
- Illinoian Ground Moraine Wisconsin Lacustrine Deposit
- Illinoian Outwash Post Wisconsin Lacustrine Deposit
- Wisconsin Ground Moraine Wisconsin Outwash
- Unrecorded Other (specify) Pre-Illinoian Lacustrine Deposits

*13. Regional Geomorphological Setting (select only one, as appropriate):

- Stream Valley Upland Hill Slope Beach Ridge
- Hill or Ridge Top Lake Plains Interfluvial Zone Unrecorded

*14. Local Environmental Setting (select only one, as appropriate):

- Terrace: Unknown T-1 T-2 T-3 T-4
- Beach Ridge Terrace Remnant Natural Levee Floodplain
 - Low Rise on Floodplain Alluvium Island Kame Drumlin
 - Esker Moraine Glacial Hummock Wetland Hummock
 - Bluff Bluff Base Bluff Edge Saddle Hill or Ridge Top
 - Closed Depression Unrecorded Other (specify) _____

*15. Soils:

- Soil Association Omulga
- Soil Series-Phase/Complex Latham-Wharton silt loams, 15 to 25 percent slopes
- Reference USDA, Natural Resources Conservation Service Web Soil Survey
(<http://websoilsurvey.nrcs.usda.gov/app/>)

*16. Down Slope Direction (select only one, as appropriate):

- N NW NE E All Flat
- S SW SE W Unrecorded

*17. Slope Gradient (percent) 2% Unrecorded _____

*18. Drainage System (see manual):

- Major Drainage Ohio River
- Minor Drainage Scioto River

*19. Closest Water Source (select only one, as appropriate):

- Name: Unnamed Tributary to Little Beaver Creek
- Permanent Stream Lake/Pond Ephemeral Stream
 - Permanent Spring Swamp/Bog Intermittent Spring/Seep
 - Slough/Oxbow Lake Artificial Lake/Pond (historic sites only)
 - Artificial Stream/Ditch (historic sites only) Unrecorded
 - Other (specify) _____

*20. Horizontal Distance to Closest Water Source 90 (meters from UTM point)

21. Elevation Above Closest Water Source _____ (meters A.M.S.L. from UTM point)

F. Reporting Information

*1. Investigation Type (select as many as appropriate):

- Reported Examination of Collection Surface Collection
- Auger/Soil Corer Shovel Test(s) Test Pit(s) Test Trench(es)
- Deep Test(s) PZ or Humus Removal Testing/Excav. (strategy unknown)
- Mitigation/Block Excavation Aerial Photograph
- Remote Sensing (specify) _____
- Chemical Analysis (specify) _____
- Unrecorded Other (specify) _____

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*2. Surface Collection Strategy (select as many as appropriate):

- Not Applicable Grab Sample Diagnostics _____
- Controlled-Unknown Controlled-Total _____
- Controlled-Sample Unrecorded _____
- Other (specify) _____

3. If surface collection strategy is Controlled-Total, Controlled-Sample, or Other, describe methodology and percentage.

4. Surface Visibility (select only one, as appropriate):

- None Less than 10% 11-50%
- 51-90% 91-100% Unrecorded

5. Describe surface conditions.

woods

*6. Site Area (square meters) 230

Unrecorded _____

*7. Basis for Site Area Estimate (select only one, as appropriate):

- Gessed Historic Maps Aerial Photograph Paced _____
- Taped Transit/Alidade Range Finder Unrecorded
- Other (specify) GPS

*8. Confident of Site Boundaries: No Yes Unrecorded

9. Estimated Percentage of Site Excavated _____ Unrecorded _____ Unknown _____

*10. Name of Form Preparer Chuck Mustain

*11. Institution ASC Group, Inc.

*12. Date of Form (year/month) 11/08

2 0 ____/____

*13. Field Date (year/month) 11/07

2 0 ____/____

14. Time Spent at Site _____

15. Weather Conditions HOT

16. Name(s), Address(es), Phone Number(s) of Local Informants

*17. Artifact Repository (ies) No artifacts were collected.

18. Name(s), Address(es), Phone Number(s) of Owners of Collections From Site (attach inventories of private collections).

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19. Photographs (select as many as appropriate):

No. of Slides _____ No. of Prints _____

Aerials: _____ Black/White _____ Color _____ Infrared

20. Name and Address of Institution Where Photos Are Filed (include photo log number if available)

*21. National Register Status (select only one, as appropriate):

_____ National Register Property† _____

_____ Determined Eligible for National Register† _____

X National Register Status Not Assessed _____

_____ Removed from National Register† _____

_____ Determined Not Eligible† _____

†Determination made by Keeper of the National Register (date) _____

22. State Registry Status (select only one, as appropriate)

_____ State Registry Listed† _____

X Not Assessed for State Registry _____

_____ Removed from State Registry† _____

_____ Determined Not Eligible† _____

†Determination made by Ohio Historical Society (date) _____

23. Discuss the potential significance of the site (does it meet National Register and/or State Registry criteria of significance in your opinion? Why or why not? Upon what evidence have you based your opinion?)

*24. Special Status (select only one, as appropriate):

X None _____ Wilderness Area _____ Wildlife Preserve _____

_____ Park _____ Scenic River _____ Nature Preserve _____

_____ Forest _____ Military Installation _____ Archaeological Preserve _____

_____ Archaeological District _____ Unknown _____

_____ Other (specify) _____

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***G. References** - List Primary Documentary References (see manual):

1. 2011 Summary report for preliminary assessment of 12 historic archaeological sites at the PORTS Plant, Piketon, Ohio. Letter from Chuck Mustain and David Klinge to Chad Book.
2. Ohio Department of Natural Resources, Division of Geological Survey 1905 Pike County Oil and Gas Resources Map. Map, 1:15,840. Ohio Department of Natural Resources, Division of Geological Survey, Columbus.
3. Atomic Energy Commission 1952 Final Project Map. Land acquisition Map, 1:16,000. United States Army Corps of Engineers, Huntington District, Louisville Kentucky.

H. Radiometric Dates

1. Material(s) Dated _____
 Date (uncorrected C14 years) _____
 Laboratory _____
 Sample # _____
 Reference(s) _____
2. Material(s) Dated _____
 Date (uncorrected C14 years) _____
 Laboratory _____
 Sample # _____
 Reference(s) _____
3. Additional Radiometric Dates Yes _____ No _____
 (use Continuation Section to list other dates)

I. Description of Site

*1. State physical description of the site and its setting, including dimensions, features (with measurements), nature and location of artifacts and concentrations, extent and location of disturbances, etc.

Site 33PK322 is located in a ravine near the north edge of the PORTS property. It is depicted on the oil and gas map (Ohio Department of Natural Resources, Division of Geological Survey 1905), the 1917 Piketon quadrangle (USGS 15' topographic map), and the Atomic Energy Commission (1952) property map and is visible on 1939 and 1951 aerial photographs of the area. One building is discernable on the aerial photographs. The woods at the site were fairly overgrown making visual inspection difficult. Four sandstone footers forming a roughly 5-m square were observed on the surface. They have been designated Building 1 and most likely correspond to the building shown on the maps and aerial photographs. There is a ca. 1-m x 1.5-m concrete slab set on top of sandstone walls along the south edge of the building. It is probably a stoop outside a doorway, but could be a capped well. There is no opening in the slab so it is unlikely to be a cistern. The cut for the driveway was visible on the surface and southeast of it was a small midden containing brick, bottles, and sheet metal. It is not clear if this is a dump or some other type of deposit. Two STPs were excavated at the site both of which contained artifacts. They were mostly pieces of coal and brick and concrete fragments, but a couple of pieces of glass were also present. Soils in both units appeared to be relatively intact A horizons. It is possible that additional archaeological remains are present that were hidden by the underbrush. Although there is little evidence of site function to support the contention, it is most likely that 33PK322 is the remains of a small house associated with the building on the maps and aerial photographs. The site measures 15 m x 25 m and has an area of 230 sq m.

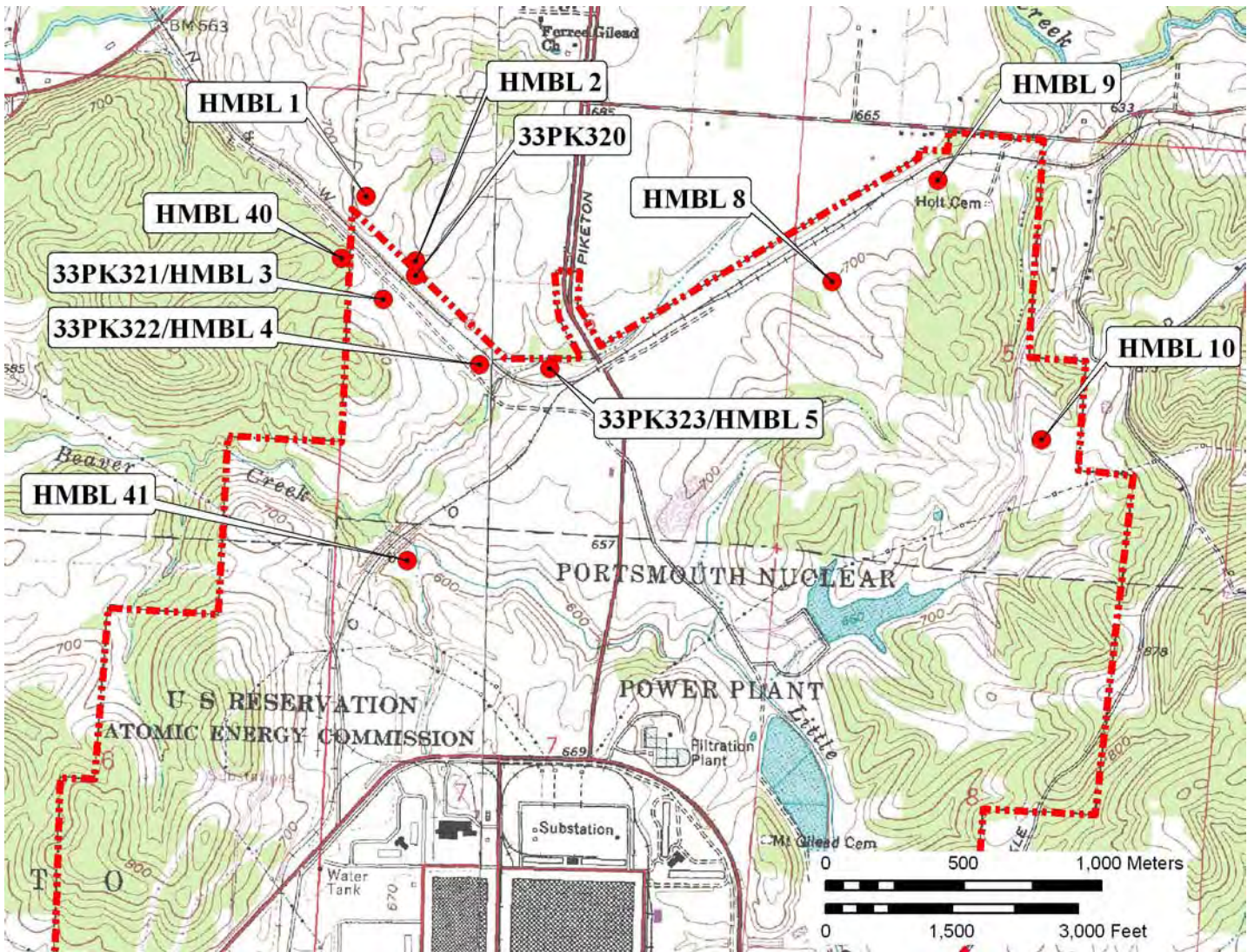
*2. Discuss the relationship between the site and other known sites in the area in terms of location, physical characteristics, size, etc.

This is one of five sites inventoried during a preliminary survey of 12 historic map building locations at the PORTS plant. There is no known relationship between any of these sites.

J. Continuation Section: Specify Section & Item (use additional Continuation Sheet(s) if necessary)

***K. Sketch Map or Copy of Project Map of Site**

Include north arrow and scale. Attach a Xeroxed section of the appropriate U.S.G.S. quadrangle on a separate sheet. Outline total area surveyed and include locations of all identified sites on the Xerox of the quadrangle.



*Site Location
Permanent Feature

Distance (m)

Direction/Bearing from Site to
Terrain Feature

_____	_____	_____
_____	_____	_____
_____	_____	_____



OHIO ARCHAEOLOGICAL INVENTORY

*Response required for acceptance of form

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Coder _____

Date _____

A. Identification

*1. Type of Form (select as many as appropriate):

New Form Revised Form Transcribed Data

2. County Pike *3. Trinomial State Site Number 33- PK - 323

4. Site Name(s) _____

5. Project Site Number _____

6. Other State Site Number _____

7. Source (of Item A.5. and/or A.6.) ASC Group, Inc. 2011 Project Number 1988-01,03 PORTS Farmsteads

B. Location

*1. UTM Zone _____ 16 or 17

Easting 3 2 7 1 1 0

Northing 4 3 2 2 4 7 0

2. Latitude _____° _____' _____"

Longitude _____° _____' _____"

*3. Township 4 N Range 21 W Not Applicable _____

Section 6 1/4 Section: SW _____ SE _____ NW _____ NE _____

Township Name Seal

*4. Quadrangle Name Waverly South

*5. Quadrangle Date 1992

*6. Confident of Site Location Yes No

C. Ownership

*1. Name(s) United States Department of Energy

Address 1000 Independence Ave., SW

City/Town, State, Zip Washington, DC 20585

Phone (202) 586-5000

2. Tenant (if any) _____

Address _____

City/Town, State, Zip _____

Phone (_____) _____

*3. Ownership Status (select only one, as appropriate):

Private (single)

Private (multiple)

Local Govt.

State Govt.

Federal Govt.

Multiple Govt.

Mixed-Govt./Private

Unknown

D. Temporal Affiliations

*1. Affiliations Present (select only one, as appropriate):

Prehistoric

Historic

Prehistoric and Historic

Unknown

Unrecorded

*Site No. 33- PK - 323
Plotted

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Prehistoric

*2. Prehistoric Temporal Period(s) Represented (select as many as appropriate)

Unassigned Prehistoric Paleoindian _____
 Archaic: Unassigned Early Middle Late _____
 Woodland: Unassigned Early Middle Late _____
 Late Prehistoric Protohistoric Other (specify) _____

*3. Minimum Number of Prehistoric Temporal Periods Represented _____

*4. Basis for Assignment of Prehistoric Temporal Period(s) (select as many as appropriate):

Diagnostic Artifacts Diagnostic Features Radiometric _____
 Unrecorded Other (specify) _____

5. Prehistoric Cultural Component(s) Represented (see manual):

a. _____
 b. _____
 c. _____
 d. _____
 e. _____
 f. _____

6. Describe how Prehistoric Temporal Period(s) and Cultural Component(s) were determined (list diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features please specify Prehistoric Cultural Component(s) by using letter designations from Item D.5.

Researcher _____

*7. Categories of Prehistoric Materials Present at Site (select as many as appropriate)

Lithics Ceramics Metal Faunal Remains Floral Remains _____
 Human Skeletal Remains Unrecorded Other (specify) _____

8. Specific Prehistoric Cultural Materials Collected:

Type	Count	Type	Count
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Historic

*9. Affiliation Present (select only one, as appropriate):

Aboriginal Non-Aboriginal Both Undetermined _____

*10. Historic Temporal Period(s) Represented (select as many as appropriate):

a. Pre-1795 b. 1796-1829 c. 1830-1849 _____
 d. 1850-1879 e. 1880-1899 f. 1900-1929 _____
 g. 1930-1949 h. 1950-1974 i. 1975-2000 _____
 j. Historic k. 18th Century l. 19th Century _____
 m. 20th Century n. Historic Aboriginal _____

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*11. Minimum Number of Historic Temporal Periods Represented 1

*12. Basis for Assignment of Historic Temporal Period(s) (select as many as appropriate):

- Diagnostic Artifacts Diagnostic Architectural Remains
- Diagnostic Features Documentary Evidence Oral Tradition
- Unrecorded Other (specify) _____

13. Describe how Historic Temporal Period(s) were determined (list any diagnostic architectural remains, diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features specify Historic Temporal Period(s) by using letter designations from Item D.10.

It is depicted on the oil and gas map (Ohio Department of Natural Resouces 1905) and the 1908 Waverly quadrangle (USGS 15' topographic map).

Researcher _____

*14. Functional Categories of Historic Materials Present at Site (select as many as appropriate):

- Kitchen Furniture Personal
- Toys & Games Printed Matter Religious/Ceremonial
- Military Weapons Transportation
- Architectural Misc. Hardware Const./Manufacturing Tools
- Agricultural Fuel/Energy Food Remains
- Clothing Unrecorded Unknown
- Other (specify) _____

15. Specific Historic Cultural Materials Collected:

Type	Count	Type	Count

General

16. Describe Prehistoric and/or Historic Cultural Materials observed but not collected. State reason(s) for not collecting.

Glass, brick, and concrete were documented in STPs excavated at the site, but no artifacts were collected during this project.

17. Affiliated Ohio Historic Inventory Site Number and Name:

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E. Physical Description

*1. Archaeological Setting (select only one, as appropriate):

___ Rockshelter/Cave ___X___ Open ___ Unrecorded ___ Unknown ___
___ Submerged ___ Other (specify) _____

*2. Prehistoric Site (select as many as appropriate):

Habitation: ___ Camp ___ Village ___ Hamlet ___ Unspecified Habitation ___
Extractive: ___ Quarry ___ Workshop ___
Ceremonial: ___ Unspecified Mound ___ Earth Mound ___ Stone Mound ___
___ Effigy Mound ___ Mound Group ___ Hilltop Enclosure ___
___ Geometrical Earthwork ___ Cemetery ___ Isolated Burial(s) ___
___ Petroglyph/Pictograph ___
Other: ___ Unknown ___ Unrecorded ___ Other (specify) _____

*3. Historic Site Type (select as many as appropriate):

___ Residential ___ Commercial ___ Social ___ Government ___
___ Religious ___X___ Educational ___ Mortuary ___ Recreation ___
___ Subsistence ___ Industrial ___ Health Care ___ Military ___
___ Transportation ___ Unrecorded ___ Unknown ___
___ Other (specify) _____

4. State the bases on which site type assignment(s) were made.

The building at this location is labeled as the Moore School on early maps of the area.

*5. Site Condition (select only one, as appropriate):

___ Undisturbed ___X___ Disturbed - Extent Unknown ___ Fully Disturbed ___
___ Destroyed ___ Unrecorded ___ Unknown ___

*6. Dominant Agent(s) of Disturbance (select as many as appropriate):

___ None Apparent ___ Agriculture ___X___ Historic Construction ___ Water ___
___ Transportation ___ Archaeological Excavation ___ Mining ___ Vandalism ___
___ Unrecorded ___ Other (specify) _____

7. Nature of Disturbance/Destruction:

*8. Current Dominant Land Use (see manual):

Industrial

9. Land Use History:

*10. Site Elevation 195 Meters A.M.S.L. (elevation to be taken from UTM point)

*11. Physiographic Setting of Site (select only one, as appropriate):

___ Lake Plain ___ Lexington Peneplain ___X___ Unglaciaded Plateau ___
___ Till Plain ___ Glaciaded Plateau ___ Unrecorded ___

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*12. Glacial Geomorphology (select only one, as appropriate):

- Not Applicable Wisconsin End/Lateral Moraine
- Kansan Ground Moraine Wisconsin Kame/Kettle/Esker/Drumlin
- Illinoian Ground Moraine Wisconsin Lacustrine Deposit
- Illinoian Outwash Post Wisconsin Lacustrine Deposit
- Wisconsin Ground Moraine Wisconsin Outwash
- Unrecorded Other (specify) Pre-Illinoian Lacustrine Deposits

*13. Regional Geomorphological Setting (select only one, as appropriate):

- Stream Valley Upland Hill Slope Beach Ridge
- Hill or Ridge Top Lake Plains Interfluvial Zone Unrecorded

*14. Local Environmental Setting (select only one, as appropriate):

- Terrace: Unknown T-1 T-2 T-3 T-4
- Beach Ridge Terrace Remnant Natural Levee Floodplain
 - Low Rise on Floodplain Alluvium Island Kame Drumlin
 - Esker Moraine Glacial Hummock Wetland Hummock
 - Bluff Bluff Base Bluff Edge Saddle Hill or Ridge Top
 - Closed Depression Unrecorded Other (specify) _____

*15. Soils:

- Soil Association Omulga
- Soil Series-Phase/Complex Latham-Wharton silt loams, 15 to 25 percent slopes
- Reference USDA, Natural Resources Conservation Service Web Soil Survey
(<http://websoilsurvey.nrcs.usda.gov/app/>)

*16. Down Slope Direction (select only one, as appropriate):

- N NW NE E All Flat
- S SW SE W Unrecorded

*17. Slope Gradient (percent) 2% Unrecorded _____

*18. Drainage System (see manual):

- Major Drainage Ohio River
- Minor Drainage Scioto River

*19. Closest Water Source (select only one, as appropriate):

- Name: Unnamed Tributary to Little Beaver Creek
- Permanent Stream Lake/Pond Ephemeral Stream
 - Permanent Spring Swamp/Bog Intermittent Spring/Seep
 - Slough/Oxbow Lake Artificial Lake/Pond (historic sites only)
 - Artificial Stream/Ditch (historic sites only) Unrecorded
 - Other (specify) _____

*20. Horizontal Distance to Closest Water Source 40 (meters from UTM point)

21. Elevation Above Closest Water Source _____ (meters A.M.S.L. from UTM point)

F. Reporting Information

*1. Investigation Type (select as many as appropriate):

- Reported Examination of Collection Surface Collection
- Auger/Soil Corer Shovel Test(s) Test Pit(s) Test Trench(es)
- Deep Test(s) PZ or Humus Removal Testing/Excav. (strategy unknown)
- Mitigation/Block Excavation Aerial Photograph
- Remote Sensing (specify) _____
- Chemical Analysis (specify) _____
- Unrecorded Other (specify) _____

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*2. Surface Collection Strategy (select as many as appropriate):

- Not Applicable Grab Sample Diagnostics _____
- Controlled-Unknown Controlled-Total _____
- Controlled-Sample Unrecorded _____
- Other (specify) _____

3. If surface collection strategy is Controlled-Total, Controlled-Sample, or Other, describe methodology and percentage.

4. Surface Visibility (select only one, as appropriate):

- None Less than 10% 11-50%
- 51-90% 91-100% Unrecorded

5. Describe surface conditions.

*6. Site Area (square meters) 285

Unrecorded _____

*7. Basis for Site Area Estimate (select only one, as appropriate):

- Gessed Historic Maps Aerial Photograph Paced _____
- Taped Transit/Alidade Range Finder Unrecorded
- Other (specify) GPS _____

*8. Confident of Site Boundaries: No Yes Unrecorded

9. Estimated Percentage of Site Excavated _____ Unrecorded _____ Unknown _____

*10. Name of Form Preparer Chuck Mustain

*11. Institution ASC Group, Inc.

*12. Date of Form (year/month) 11/08

2 0 ____/____

*13. Field Date (year/month) 11/07

2 0 ____/____

14. Time Spent at Site _____

15. Weather Conditions HOT

16. Name(s), Address(es), Phone Number(s) of Local Informants

*17. Artifact Repository (ies) No artifacts were collected.

18. Name(s), Address(es), Phone Number(s) of Owners of Collections From Site (attach inventories of private collections).

for official use only

19. Photographs (select as many as appropriate):

No. of Slides _____ No. of Prints _____

Aerials: _____ Black/White _____ Color _____ Infrared

20. Name and Address of Institution Where Photos Are Filed (include photo log number if available)

*21. National Register Status (select only one, as appropriate):

_____ National Register Property† _____

_____ Determined Eligible for National Register† _____

X National Register Status Not Assessed _____

_____ Removed from National Register† _____

_____ Determined Not Eligible† _____

†Determination made by Keeper of the National Register (date) _____

22. State Registry Status (select only one, as appropriate)

_____ State Registry Listed† _____

X Not Assessed for State Registry _____

_____ Removed from State Registry† _____

_____ Determined Not Eligible† _____

†Determination made by Ohio Historical Society (date) _____

23. Discuss the potential significance of the site (does it meet National Register and/or State Registry criteria of significance in your opinion? Why or why not? Upon what evidence have you based your opinion?)

*24. Special Status (select only one, as appropriate):

X None _____ Wilderness Area _____ Wildlife Preserve _____

_____ Park _____ Scenic River _____ Nature Preserve _____

_____ Forest _____ Military Installation _____ Archaeological Preserve _____

_____ Archaeological District _____ Unknown _____

_____ Other (specify) _____

for official use only

***G. References** - List Primary Documentary References (see manual):

1. 2011 Summary report for preliminary assessment of 12 historic archaeological sites at the PORTS Plant, Piketon, Ohio. Letter from Chuck Mustain and David Klinge to Chad Book.
2. Ohio Department of Natural Resources, Division of Geological Survey 1905 Pike County Oil and Gas Resources Map. Map, 1:15,840. Ohio Department of Natural Resources, Division of Geological Survey, Columbus.
3. _____

H. Radiometric Dates

1. Material(s) Dated _____
 Date (uncorrected C14 years) _____
 Laboratory _____
 Sample # _____
 Reference(s) _____
2. Material(s) Dated _____
 Date (uncorrected C14 years) _____
 Laboratory _____
 Sample # _____
 Reference(s) _____
3. Additional Radiometric Dates Yes _____ No _____
 (use Continuation Section to list other dates)

I. Description of Site

*1. State physical description of the site and its setting, including dimensions, features (with measurements), nature and location of artifacts and concentrations, extent and location of disturbances, etc.

Site 33PK323 is located in a ravine near the north edge of the PORTS property. It is depicted and labeled as Moore School on the oil and gas map (Ohio Department of Natural Resources, Division of Geological Survey 1905) and the 1908 Waverly quadrangle (USGS 15' topographic map). No building is discernable on the aerial photographs. The woods at the site were fairly open making visual inspection relatively easy, but no buildings were observed. The old roadbed was readily identifiable extending from the railroad bed that cut it off to a culvert at the creek north of the site. There is a leveled area but no building materials were observed. Three STPs were excavated at 15-m intervals; one in the leveled area and one each to its north and south. The leveled area is disturbed but the soil in the STP contained two brick fragments and a few pieces of coal and concrete. STP 4-1-1 had over 20 brick fragments in it as well as two pieces of glass and two pieces of concrete. No artifacts were recovered between the leveled area and the railroad tracks and subsoil was at the surface at STP 4-1-3. It is unclear if this area is eroded or disturbed. The artifacts encountered indicate that there was a building present at 33PK323; presumably it was the Moore School. The relative locations of the old road and adjacent stream strongly indicate that it is. However, there is little indication of site function discernable from the archaeological remains. It is not known if the leveled area was created as a building site for the school or was graded off when the building was razed. The site measures 20 m x 20 m and has an area of 285 sq m.

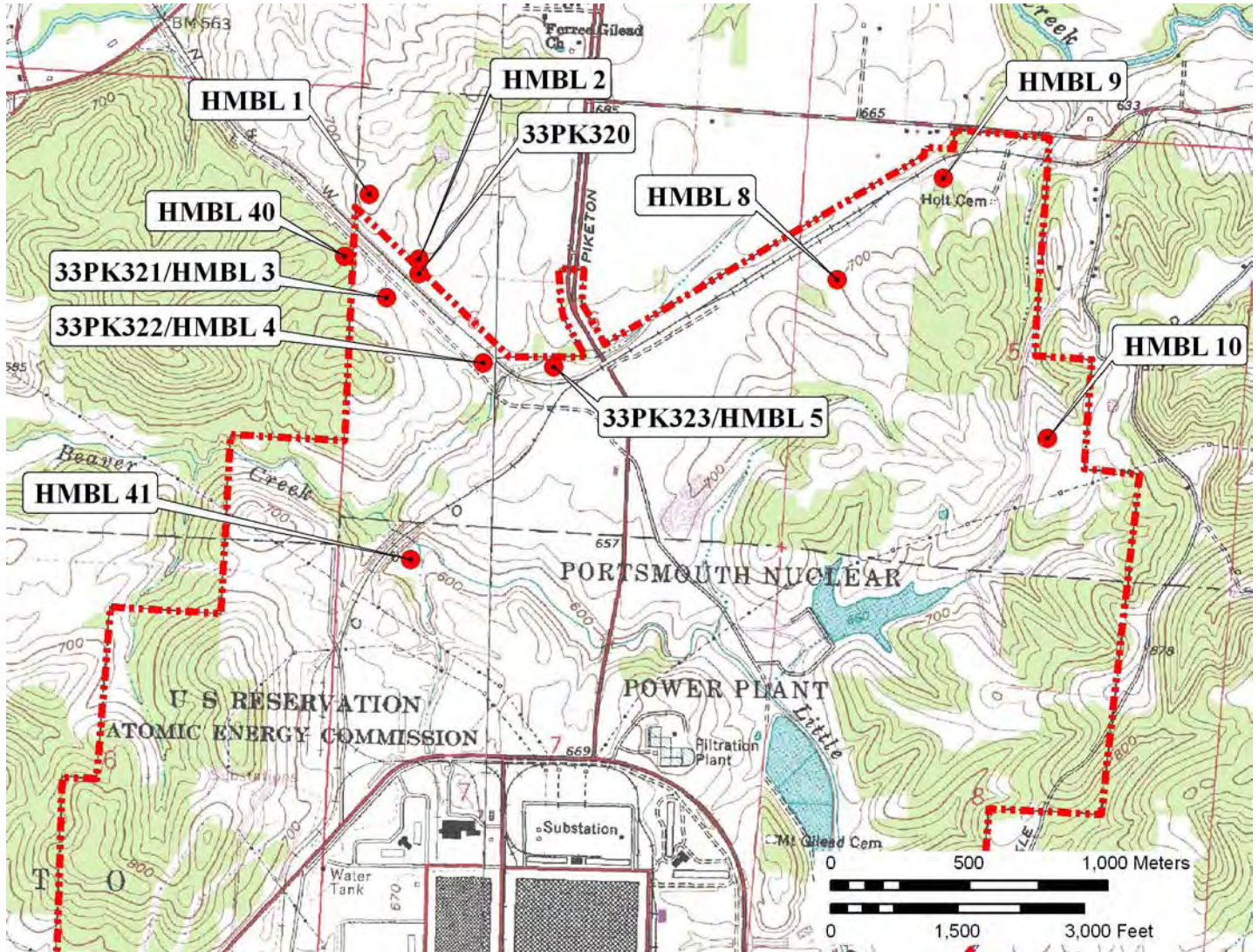
*2. Discuss the relationship between the site and other known sites in the area in terms of location, physical characteristics, size, etc.

This is one of five sites inventoried during a preliminary survey of 12 historic map building locations at the PORTS plant. There is no known relationship between any of these sites.

J. Continuation Section: Specify Section & Item (use additional Continuation Sheet(s) if necessary)

***K. Sketch Map or Copy of Project Map of Site**

Include north arrow and scale. Attach a Xeroxed section of the appropriate U.S.G.S. quadrangle on a separate sheet. Outline total area surveyed and include locations of all identified sites on the Xerox of the quadrangle.



*Site Location
Permanent Feature

Distance (m)

Direction/Bearing from Site to
Terrain Feature



OHIO ARCHAEOLOGICAL INVENTORY

*Response required for acceptance of form

for official use only

Coder _____

Date _____

A. Identification

*1. Type of Form (select as many as appropriate):

New Form Revised Form Transcribed Data

2. County Pike *3. Trinomial State Site Number 33- PK - 324

4. Site Name(s) _____

5. Project Site Number _____

6. Other State Site Number _____

7. Source (of Item A.5. and/or A.6.) ASC Group, Inc. 2011 Project Number 1988-01,03 PORTS Farmsteads

B. Location

*1. UTM Zone _____ 16 or 17

Easting 3 2 5 4 5 0

Northing 4 3 1 9 5 4 0

2. Latitude _____° _____' _____"

Longitude _____° _____' _____"

*3. Township 4 N Range 22 W Not Applicable _____

Section 7 1/4 Section: _____ SW _____ SE _____ NW NE

Township Name Scioto

*4. Quadrangle Name Piketon 1 9 _____

*5. Quadrangle Date 1979

*6. Confident of Site Location Yes No

C. Ownership

*1. Name(s) United States Department of Energy

Address 1000 Independence Ave., SW

City/Town, State, Zip Washington, DC 20585

Phone (202) 586-5000

2. Tenant (if any) _____

Address _____

City/Town, State, Zip _____

Phone (_____) _____

*3. Ownership Status (select only one, as appropriate):

Private (single) Private (multiple) Local Govt. _____

State Govt. Federal Govt. Multiple Govt. _____

Mixed-Govt./Private Unknown _____

D. Temporal Affiliations

*1. Affiliations Present (select only one, as appropriate):

Prehistoric Historic Prehistoric and Historic _____

Unknown Unrecorded _____

*Site No. 33- PK - 324
Plotted

for official use only

Prehistoric

*2. Prehistoric Temporal Period(s) Represented (select as many as appropriate)

Unassigned Prehistoric Paleoindian _____
 Archaic: Unassigned Early Middle Late _____
 Woodland: Unassigned Early Middle Late _____
 Late Prehistoric Protohistoric Other (specify) _____

*3. Minimum Number of Prehistoric Temporal Periods Represented _____

*4. Basis for Assignment of Prehistoric Temporal Period(s) (select as many as appropriate):

Diagnostic Artifacts Diagnostic Features Radiometric _____
 Unrecorded Other (specify) _____

5. Prehistoric Cultural Component(s) Represented (see manual):

a. _____
 b. _____
 c. _____
 d. _____
 e. _____
 f. _____

6. Describe how Prehistoric Temporal Period(s) and Cultural Component(s) were determined (list diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features please specify Prehistoric Cultural Component(s) by using letter designations from Item D.5.

Researcher _____

*7. Categories of Prehistoric Materials Present at Site (select as many as appropriate)

Lithics Ceramics Metal Faunal Remains Floral Remains _____
 Human Skeletal Remains Unrecorded Other (specify) _____

8. Specific Prehistoric Cultural Materials Collected:

Type	Count	Type	Count
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Historic

*9. Affiliation Present (select only one, as appropriate):

Aboriginal Non-Aboriginal Both Undetermined _____

*10. Historic Temporal Period(s) Represented (select as many as appropriate):

a. Pre-1795 b. 1796-1829 c. 1830-1849 _____
 d. 1850-1879 e. 1880-1899 f. 1900-1929 _____
 g. 1930-1949 h. 1950-1974 i. 1975-2000 _____
 j. Historic k. 18th Century l. 19th Century _____
 m. 20th Century n. Historic Aboriginal _____

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*11. Minimum Number of Historic Temporal Periods Represented 1

*12. Basis for Assignment of Historic Temporal Period(s) (select as many as appropriate):

- Diagnostic Artifacts Diagnostic Architectural Remains
- Diagnostic Features Documentary Evidence Oral Tradition
- Unrecorded Other (specify) _____

13. Describe how Historic Temporal Period(s) were determined (list any diagnostic architectural remains, diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features specify Historic Temporal Period(s) by using letter designations from Item D.10.

It is depicted on the 1917 Piketon quadrangle (USGS 15' topographic map) and the Atomic Energy Commission (1952) property map and is visible on 1938 and 1951 aerial photographs of the area.

Researcher _____

*14. Functional Categories of Historic Materials Present at Site (select as many as appropriate):

- Kitchen Furniture Personal
- Toys & Games Printed Matter Religious/Ceremonial
- Military Weapons Transportation
- Architectural Misc. Hardware Const./Manufacturing Tools
- Agricultural Fuel/Energy Food Remains
- Clothing Unrecorded Unknown
- Other (specify) _____

15. Specific Historic Cultural Materials Collected:

Type	Count	Type	Count

General

16. Describe Prehistoric and/or Historic Cultural Materials observed but not collected. State reason(s) for not collecting.

A cut nail, coal, and decorative concrete blocks were documented in STPs excavated at the site or on the surface, but no artifacts were collected during this project.

17. Affiliated Ohio Historic Inventory Site Number and Name:

E. Physical Description

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*1. Archaeological Setting (select only one, as appropriate):

Rockshelter/Cave Open Unrecorded Unknown
 Submerged Other (specify) _____

*2. Prehistoric Site (select as many as appropriate):

Habitation: Camp Village Hamlet Unspecified Habitation
Extractive: Quarry Workshop
Ceremonial: Unspecified Mound Earth Mound Stone Mound
 Effigy Mound Mound Group Hilltop Enclosure
 Geometrical Earthwork Cemetery Isolated Burial(s)
 Petroglyph/Pictograph
Other: Unknown Unrecorded Other (specify) _____

*3. Historic Site Type (select as many as appropriate):

Residential Commercial Social Government
 Religious Educational Mortuary Recreation
 Subsistence Industrial Health Care Military
 Transportation Unrecorded Unknown
 Other (specify) _____

4. State the bases on which site type assignment(s) were made.

The site corresponds with a farm shown on early maps and aerial photographs of the area.

*5. Site Condition (select only one, as appropriate):

Undisturbed Disturbed - Extent Unknown Fully Disturbed
 Destroyed Unrecorded Unknown

*6. Dominant Agent(s) of Disturbance (select as many as appropriate):

None Apparent Agriculture Historic Construction Water
 Transportation Archaeological Excavation Mining Vandalism
 Unrecorded Other (specify) _____

7. Nature of Disturbance/Destruction:

*8. Current Dominant Land Use (see manual):

Industrial

9. Land Use History:

*10. Site Elevation 213 Meters A.M.S.L. (elevation to be taken from UTM point)

*11. Physiographic Setting of Site (select only one, as appropriate):

Lake Plain Lexington Peneplain Unglaciaded Plateau
 Till Plain Glaciaded Plateau Unrecorded

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*12. Glacial Geomorphology (select only one, as appropriate):

- Not Applicable Wisconsin End/Lateral Moraine
- Kansan Ground Moraine Wisconsin Kame/Kettle/Esker/Drumlin
- Illinoian Ground Moraine Wisconsin Lacustrine Deposit
- Illinoian Outwash Post Wisconsin Lacustrine Deposit
- Wisconsin Ground Moraine Wisconsin Outwash
- Unrecorded Other (specify) Pre-Illinoian Lacustrine Deposits

*13. Regional Geomorphological Setting (select only one, as appropriate):

- Stream Valley Upland Hill Slope Beach Ridge
- Hill or Ridge Top Lake Plains Interfluvial Zone Unrecorded

*14. Local Environmental Setting (select only one, as appropriate):

- Terrace: Unknown T-1 T-2 T-3 T-4
- Beach Ridge Terrace Remnant Natural Levee Floodplain
 - Low Rise on Floodplain Alluvium Island Kame Drumlin
 - Esker Moraine Glacial Hummock Wetland Hummock
 - Bluff Bluff Base Bluff Edge Saddle Hill or Ridge Top
 - Closed Depression Unrecorded Other (specify) _____

*15. Soils:

- Soil Association Omulga
- Soil Series-Phase/Complex Princeton fine sandy loam, 8 to 15 percent slopes
- Reference USDA, Natural Resources Conservation Service Web Soil Survey
(<http://websoilsurvey.nrcs.usda.gov/app/>)

*16. Down Slope Direction (select only one, as appropriate):

- N NW NE E All Flat
- S SW SE W Unrecorded

*17. Slope Gradient (percent) 6% Unrecorded _____

*18. Drainage System (see manual):

- Major Drainage Ohio River
- Minor Drainage Scioto River

*19. Closest Water Source (select only one, as appropriate):

- Name: Unnamed Tributary to the Scioto River
- Permanent Stream Lake/Pond Ephemeral Stream
 - Permanent Spring Swamp/Bog Intermittent Spring/Seep
 - Slough/Oxbow Lake Artificial Lake/Pond (historic sites only)
 - Artificial Stream/Ditch (historic sites only) Unrecorded
 - Other (specify) _____

*20. Horizontal Distance to Closest Water Source 360 (meters from UTM point)

21. Elevation Above Closest Water Source _____ (meters A.M.S.L. from UTM point)

F. Reporting Information

*1. Investigation Type (select as many as appropriate):

- Reported Examination of Collection Surface Collection
- Auger/Soil Corer Shovel Test(s) Test Pit(s) Test Trench(es)
- Deep Test(s) PZ or Humus Removal Testing/Excav. (strategy unknown)
- Mitigation/Block Excavation Aerial Photograph
- Remote Sensing (specify) _____
- Chemical Analysis (specify) _____
- Unrecorded Other (specify) _____

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*2. Surface Collection Strategy (select as many as appropriate):

- Not Applicable Grab Sample Diagnostics _____
- Controlled-Unknown Controlled-Total _____
- Controlled-Sample Unrecorded _____
- Other (specify) _____

3. If surface collection strategy is Controlled-Total, Controlled-Sample, or Other, describe methodology and percentage.

4. Surface Visibility (select only one, as appropriate):

- None Less than 10% 11-50%
- 51-90% 91-100% Unrecorded

5. Describe surface conditions.

woods

*6. Site Area (square meters) 4,500

Unrecorded _____

*7. Basis for Site Area Estimate (select only one, as appropriate):

- Gessed Historic Maps Aerial Photograph Paced _____
- Taped Transit/Alidade Range Finder Unrecorded
- Other (specify) GPS

*8. Confident of Site Boundaries: No Yes Unrecorded

9. Estimated Percentage of Site Excavated _____ Unrecorded _____ Unknown _____

*10. Name of Form Preparer Chuck Mustain

*11. Institution ASC Group, Inc.

*12. Date of Form (year/month) 11/08

2 0 ____/____

*13. Field Date (year/month) 11/07

2 0 ____/____

14. Time Spent at Site _____

15. Weather Conditions HOT

16. Name(s), Address(es), Phone Number(s) of Local Informants

*17. Artifact Repository (ies) No artifacts were collected.

18. Name(s), Address(es), Phone Number(s) of Owners of Collections From Site (attach inventories of private collections).

for official use only

19. Photographs (select as many as appropriate):

No. of Slides _____ No. of Prints _____

Aerials: _____ Black/White _____ Color _____ Infrared

20. Name and Address of Institution Where Photos Are Filed (include photo log number if available)

*21. National Register Status (select only one, as appropriate):

_____ National Register Property† _____

_____ Determined Eligible for National Register† _____

X National Register Status Not Assessed _____

_____ Removed from National Register† _____

_____ Determined Not Eligible† _____

†Determination made by Keeper of the National Register (date) _____

22. State Registry Status (select only one, as appropriate)

_____ State Registry Listed† _____

X Not Assessed for State Registry _____

_____ Removed from State Registry† _____

_____ Determined Not Eligible† _____

†Determination made by Ohio Historical Society (date) _____

23. Discuss the potential significance of the site (does it meet National Register and/or State Registry criteria of significance in your opinion? Why or why not? Upon what evidence have you based your opinion?)

*24. Special Status (select only one, as appropriate):

X None _____ Wilderness Area _____ Wildlife Preserve _____

_____ Park _____ Scenic River _____ Nature Preserve _____

_____ Forest _____ Military Installation _____ Archaeological Preserve _____

_____ Archaeological District _____ Unknown _____

_____ Other (specify) _____

for official use only

***G. References** - List Primary Documentary References (see manual):

1. 2011 Summary report for preliminary assessment of 12 historic archaeological sites at the PORTS Plant, Piketon, Ohio. Letter from Chuck Mustain and David Klinge to Chad Book.
2. Atomic Energy Commission 1952 Final Project Map. Land acquisition Map, 1:16,000. United States Army Corps of Engineers, Huntington District, Louisville Kentucky.
3. _____

H. Radiometric Dates

1. Material(s) Dated _____
 Date (uncorrected C14 years) _____
 Laboratory _____
 Sample # _____
 Reference(s) _____
2. Material(s) Dated _____
 Date (uncorrected C14 years) _____
 Laboratory _____
 Sample # _____
 Reference(s) _____
3. Additional Radiometric Dates Yes _____ No _____
 (use Continuation Section to list other dates)

I. Description of Site

*1. State physical description of the site and its setting, including dimensions, features (with measurements), nature and location of artifacts and concentrations, extent and location of disturbances, etc.

Site 33PK324 is located on a ridgetop near the west edge of the PORTS property. It is depicted on the 1917 Piketon quadrangle (USGS 15' topographic map), and the Atomic Energy Commission (1952) property map and is visible on 1938 and 1951 aerial photographs of the area. Five to seven buildings are discernable on the aerial photographs. The woods at the site were fairly overgrown making visual inspection difficult. Four building remnants, the base of a silo, a trough, a concrete pad, and a pile of concrete blocks were found during the visual inspection. No remains of the superstructures of any of the buildings were observed at the site. There is a cluster of buildings and structures around Building 1 visible on the surface at the east end of the site. A low concrete foundation wall and slab floor is all that remains of Building 1. It measures approximately 5 m by 15 m and is about 15 cm tall. The function of the building is unknown. Just to the west are the remains of Building 2, which consist of a concrete slab with a trough taking up west half of the floor. The trough is sunk below the surface of the floor. A second trough is located just south of Building 2. Presumably this building and structure are functionally related and possibly served functions associated with livestock. The remains of a 6-m to 7.3-m diameter, concrete silo are located in this cluster to the northeast of Buildings 1 and 2. A few parts of the sides of the silo are still standing, but most of it has been removed. Southeast of Building 1 is a concrete paved area and a driveway. About 50 m southwest of the cluster is the 10-m x 12-m concrete foundation of Building 3. It is about 1 m tall along the south wall and nearly flush to the ground on the north side. There is an interior wall and two footer pads. It could be a small, 3-bay barn, but no data suggesting a function for this building was recovered during the survey. About 50 m up the hill to the west of the cluster there is a remnant of Building 4's foundation. There

- *2. Discuss the relationship between the site and other known sites in the area in terms of location, physical characteristics, size, etc.

This is one of five sites inventoried during a preliminary survey of 12 historic map building locations at the PORTS plant. There is no known relationship between any of these sites.

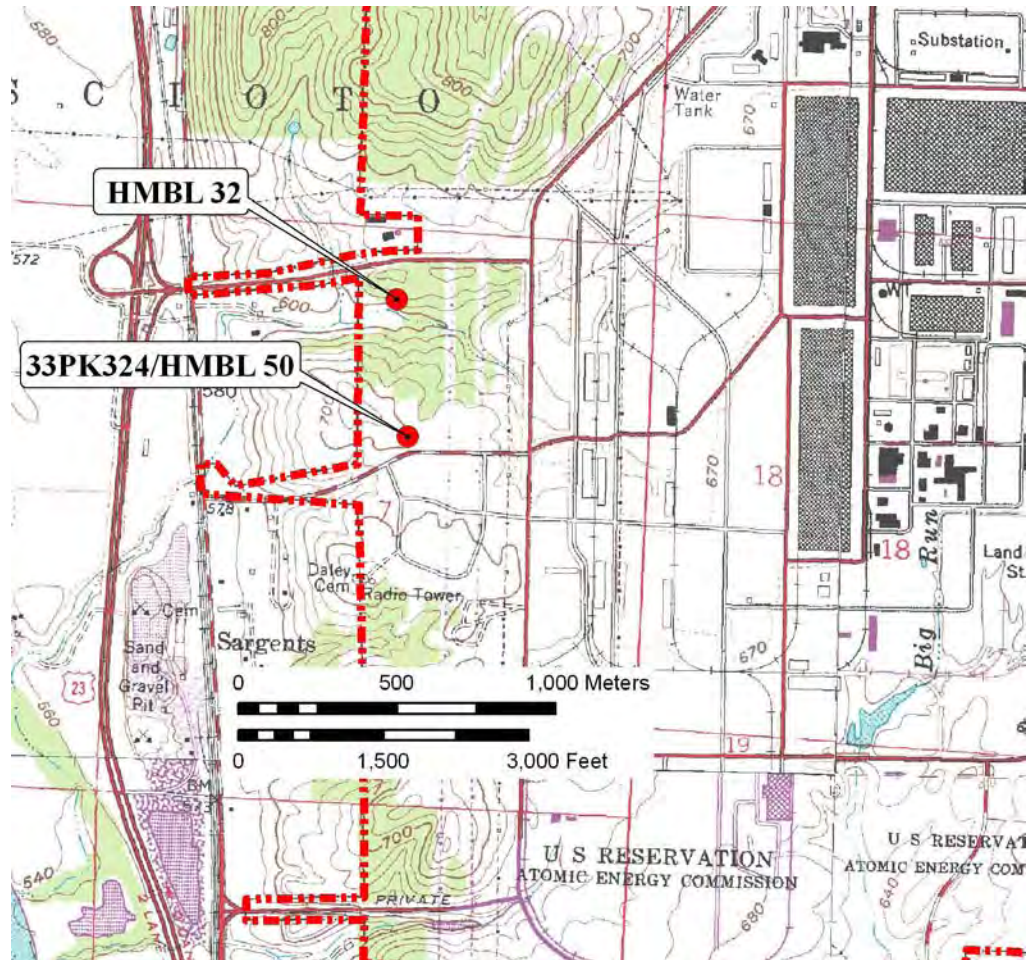
J. Continuation Section: Specify Section & Item (use additional Continuation Sheet(s) if necessary)

Cont. from I-1.

is part of concrete block foundation wall and a jumble of large pieces of concrete, but no discernable shape to the foundation. The pile of decorative concrete blocks is located along the west edge of the site between Buildings 3 and 4. STPs were excavated near Buildings 1, 3 and 4 to examine the site conditions and types of artifacts present. All of the units except the one south of Building 1 that was disturbed by the driveway were relatively intact. No artifacts were found near Buildings 1 and 3, but a cut nail and some coal were documented in STP 2-3-1 near Building 4. The site measures 75 m x 90 m and has an area of 4,500 sq m.

***K. Sketch Map or Copy of Project Map of Site**

Include north arrow and scale. Attach a Xeroxed section of the appropriate U.S.G.S. quadrangle on a separate sheet. Outline total area surveyed and include locations of all identified sites on the Xerox of the quadrangle.



*Site Location Permanent Feature	Distance (m)	Direction/Bearing from Site to Terrain Feature

*Phase I Archaeological Reconnaissance of
Selected Historical Sites at the PORTS
Facility, Pike County, Ohio*



GRAY & PAPE, INC.
ARCHAEOLOGY • HISTORY • HISTORIC PRESERVATION

SEPTEMBER 8, 2011

LEAD AGENCY:

United States Department of Energy

PREPARED FOR:

Fluor-B&W Portsmouth LLC
3930 U.S. Route 23 S
X-710 Building

PREPARED BY:

Gray & Pape, Inc.
1318 Main Street
Cincinnati, Ohio 45202





Project No. 11-63201

Phase I Archaeological Reconnaissance of Selected Historical Sites at the PORTS Facility, Pike County, Ohio

**Lead Agency:
United States Department of Energy**

**Prepared for:
Fluor-B&W Portsmouth LLC
3930 U.S. Route 23 S
X-710 Building
Contact: Becky Cline
(740) 897-5708**

**Prepared by:
Patrick D. Trader
Gray & Pape, Inc.
1318 Main Street
Cincinnati, Ohio 45202
(513) 287-7700**

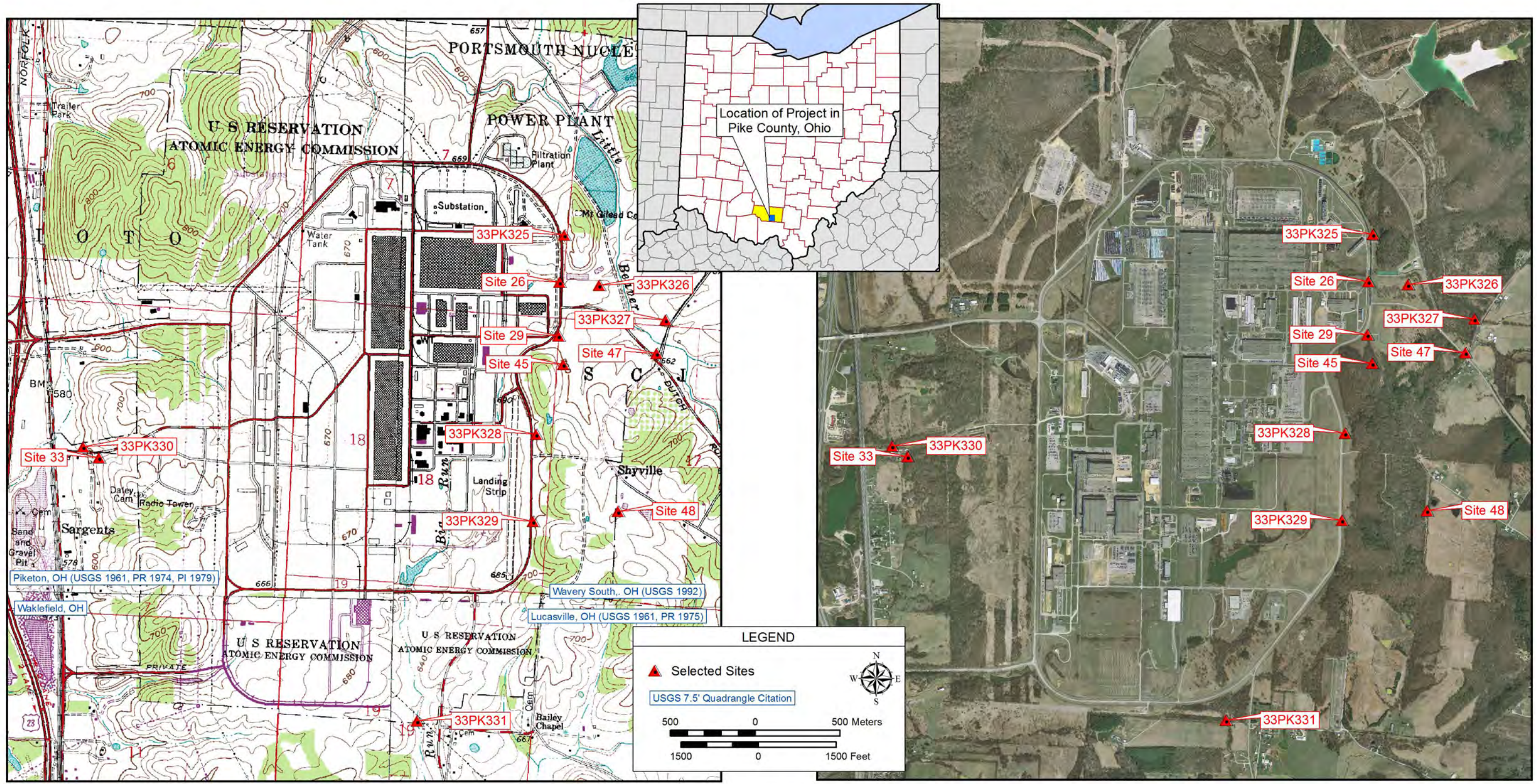
**Patrick D. Trader
Principal Investigator
September 8, 2011**

1.0 INTRODUCTION

At the request of Fluor-B&W (Fluor), Piketon, Ohio, on behalf of the United States Department of Energy (USDOE), Gray & Pape, Inc. (Gray & Pape), Cincinnati, Ohio, conducted a Phase I archaeological reconnaissance of 13 homesteads/historical sites (25, 26, 27, 28, 29, 33, 36, 37, 45, 47, 48, 52, and 53) found within the Portsmouth Gaseous Diffusion Plant (PORTS Facility) near Piketon, Ohio, in Pike County, Ohio (Figure 1). The archaeological reconnaissance was conducted to determine whether the reported resources still exist and determine if a Phase I archaeological survey is necessary. The archaeological reconnaissance was conducted pursuant to Section 106 and Section 110 of the National Historic Preservation Act (NHPA) 2004, as revised, and in accordance with the guidelines of the Ohio Historic Preservation Office (OHPO). The lead agency for the project is the United States Department of Energy (USDOE).

Initially, a Phase I archaeological survey was conducted by Schweikart et al. 1997 in which a number of archaeological resources were identified. Subsequently, additional Phase I and II investigations have been conducted at the PORTS Facility by ASC Group, and OVAI. DOE recently identified additional potential historical farmsteads and other types of buildings on a 1905 Oil and Gas Map. Forty locations were identified for further investigation. The remaining locations were not recommended for investigation due to significant impacts from prior plant construction activities or because they were previously surveyed (Burks 2011). Additional archival resources used included the 15-minute USGS topographic quadrangle maps, 1939 aerial photographs, 1951 aerial photographs, and the 1952 pre-construction topographic map prepared by the Tennessee Valley Authority Maps and Survey Branch (TVA) for the Atomic Energy Commission (AEC) (Burkes 2011:1). The PORTS Facility is undergoing a number of changes, including reindustrialization, Deactivation and Decommissioning (D&D), and waste disposal. These proposed activities have spurred the current investigation.

The archaeological reconnaissance consisted of pedestrian survey and limited shovel testing. Patrick Trader served as Principal Investigator and conducted the fieldwork between July 18 and 21, 2011, and between July 25 and 26, 2011. Trader was assisted in the field by Thomas D. Hahn. Cinder Miller and Beth K. McCord served as Project Manager. The principal investigator authored the report. Ruth Myers prepared the maps, while Julisa Meléndez edited the report and Casey Fagin oversaw its production.



Location of Selected Sites in Scioto Township, Pike County, Ohio

GRAY & PAPE, INC.
ARCHAEOLOGY · HISTORY · HISTORIC PRESERVATION

Figure 1

2.0 PROJECT METHODS

In order to determine the presence of the farmsteads/historical sites found within the PORTS Facility, a number of field methods were agreed upon prior to initiation of the archaeological reconnaissance. As noted, additional farmsteads/historical sites were identified based on archival research using a 1905 Oil and Gas Map, historical 15-minute USGS quadrangle maps, 1939 and 1951 aerial photographs, and a 1952 pre-construction topographic map prepared by the Tennessee Valley Authority Maps and Survey Branch (TVA) for the AEC. Using these resources, UTM coordinates were estimated based on the Oil and Gas and USGS quadrangle maps; therefore, GPS was used to navigate to these UTM coordinates to locate sites in the field; however, searches for the sites extended beyond 50 meters (m) (164 feet [ft.]). There are four primary goals stated for the archaeological reconnaissance:

- (1) Verify the presence or absence of the site;
- (2) Document visible or above-ground features, such as foundations, wells, cisterns, and surface debris. If no visible features are found, an attempt will be made to locate subsurface archaeological deposits via limited shovel testing;
- (3) Obtain correct UTM coordinates in the field with a GPS unit; and
- (4) Complete an Ohio Archaeological Inventory for each site location (OAI).

To accomplish Goal 1, the UTM Coordinates were loaded onto a Trimble GEO-XH GPS unit. Additionally, the structure footprints of buildings illustrated on the 1905 Oil and Gas, and the 1939 and 1951 aerial maps were loaded on the Trimble GPS unit as well. The GPS unit was used to navigate to the UTM Coordinates provided for the historical sites. Once the site area was located using the GPS unit, a pedestrian reconnaissance was conducted at 3- to 5-m (9.8- to 16.4-ft.) intervals to search for these sites, which extended beyond 50 m (164 ft.) in all directions, when possible.

If any visible or above-ground features were identified, their location was recorded with the GPS unit and a sketch map drawn showing their orientation to accomplish Goal 2. If there were no visible foundations or other architectural features, the perimeter of each foundation footprint was probed using a 1.0-m (3.28-ft.) fiberglass rod to assess the presence/absence of subsurface foundation stones. In addition, limited shovel testing was conducted to assess site deposition and assess the presence/absence of cultural materials. Shovel tests measured 50 by 50 centimeters (cm) (19.6 by 19.6 inches [in.]) and were excavated no deeper than 30.48 cm (12 in.). All excavated soils were screened through 0.65-cm (0.25-in.) wire mesh hardware cloth. At least one shovel test was excavated per structure footprint within the boundaries or at a corner. The location of each shovel test was recorded. Any artifacts identified were noted, but were not collected.

If any architectural features or artifacts were identified, the correct UTM coordinates were obtained using the GPS unit; however, if no evidence was found, then we were unable to provide correct UTM coordinates.

Ohio Archaeological Inventory forms were completed for any historical sites identified during the reconnaissance. These forms are provided in Appendix A.

3.0 RESOURCE DESCRIPTIONS

As noted previously, Gray & Pape was responsible for verifying the location of 13 homesteads/historical sites, including 25, 26, 27, 28, 29, 33, 36, 37, 45, 47, 48, 52, and 53 (Figure 1 and Table 1). These resources are described below.

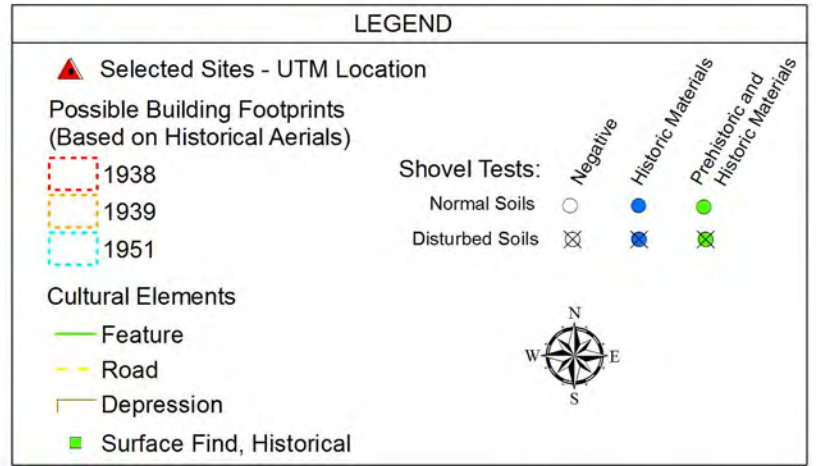
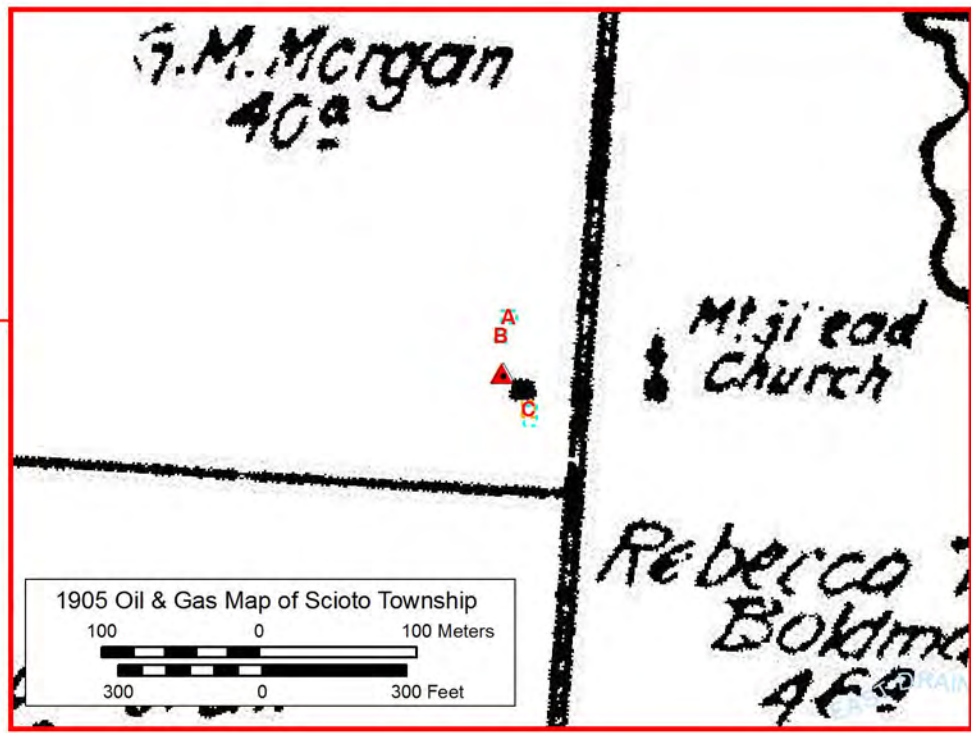
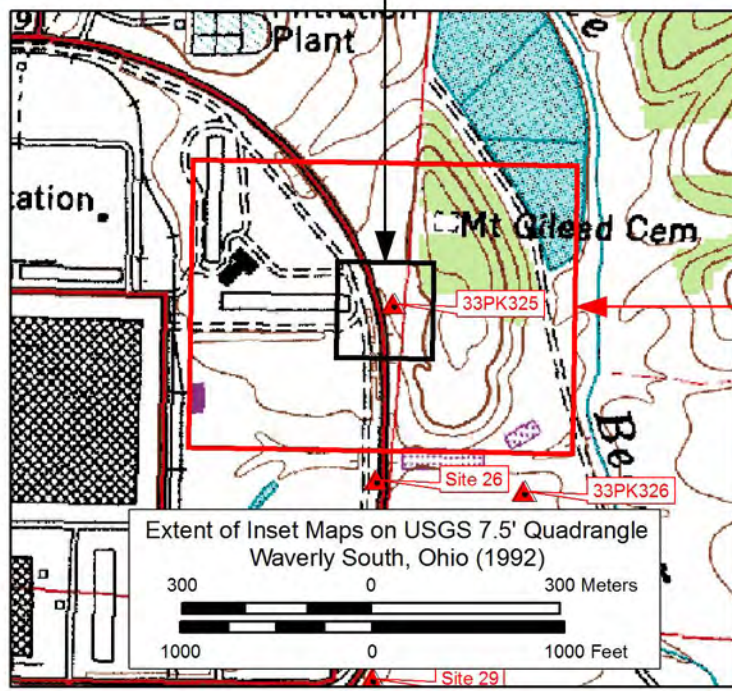
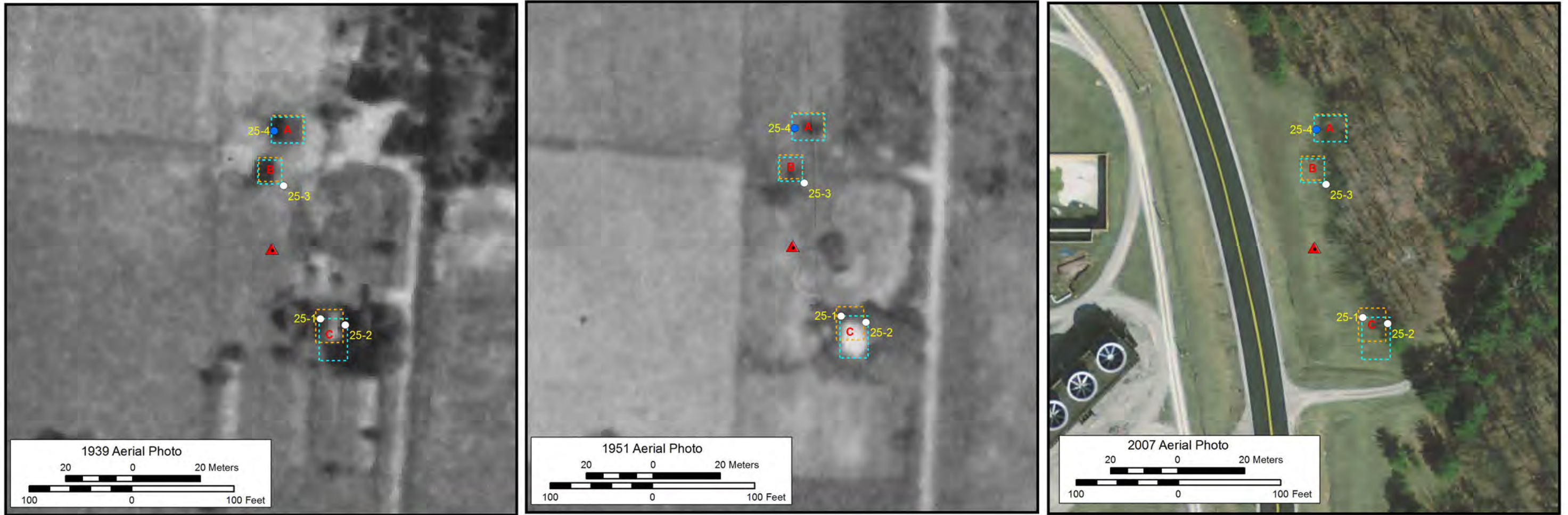
Site 33PK325 (Historical Site #25) – Site 33PK325 is located at the northeastern portion of the PORTS Facility west of an abandoned road bed and east of Perimeter Road (Figures 1 and 2). The historical site is illustrated on the 1905 Oil & Gas map, and is visible on the 1939 aerial photograph (Figure 2). According to these resources, at least three structures are visible. Remnants of the main or larger structure are visible on the 1951 aerial photograph, but are no longer illustrated on the 1952 TVA map. It is likely that the site was razed once the property was purchased by the AEC. Today, the site is found on a grassy and wooded bench, east of Perimeter Road. Despite a pedestrian reconnaissance and probing of the structure footprint, no evidence of any architectural features was identified. Limited shovel testing resulted in the identification of three oxidized wire nail fragments from the inside of Structure A (Figure 2). It is likely that this site was razed following acquisition by AEC. It also is possible that building materials were dismantled and cannibalized by local residents. Any remaining evidence likely was impacted by modern construction activities associated with Perimeter Road. No further archaeological investigations are recommended for this area.

Historical Site #26 – Historical Site #26 also is located at the northeastern portion of the PORTS Facility south of Site 33PK325 (Figures 1 and 3). It is located west of Perimeter Road and inside a security fence (Figure 3). The site is illustrated on the 1905 Oil & Gas map, as well as the 1952 TVA map (Figure 3). At least three structures are illustrated on the 1952 map. The site also is visible on the 1939 and 1951 aerial maps (Figure 3). At least six possible structures are visible. The 1939 aerial indicates that the homestead is accessed by a narrow lane off the main road (Figure 3). Today, this area is found west of Perimeter Road within the Limited Area and was not surveyed. It was clearly evident that this area has been heavily disturbed by modern construction and earthmoving activities. The structure footprints are underneath road pavement, buildings, within ditches, and in an area that currently is undergoing extensive earthmoving activities. It is likely that the historical site has been destroyed. Therefore, no further archaeological investigations are recommended for this area.

Site 33PK326 (Historical Site #27) – Site 33PK326 is located near the intersection of Fog Road and Perimeter Road southeast of Site 33PK325 and Historical Site #26 on a ridgetop in an area that is currently being used for well monitoring (Figures 1 and 4; Table 1). The site is illustrated on both the 1905 Oil and Gas Map and the 1952 TVA map (Figure 4). While only one structure is illustrated on the Oil and Gas Map, there are at least three structures illustrated on the TVA Map. The structures also are visible on the 1939 and 1951 aerial maps (Figure 4). It is a relatively substantial farmstead with seven possible structures, including a main structure (A) and several outbuildings including a possible silo (D). Today, the area is used as a well monitoring field and contains a graveled access road (obscured by grass) that crosses through the homestead, impacting Structures A, E, G, and H (Figure 4).

Table 1. Summary of Historical Sites						
Inventory #	OAI #	UTM Coordinates		Comments*	Reconnaissance Results	Recommendations
		Northing	Easting			
25	33PK325	4320867	327820	Three possible structures, located just west of old road, may be just east of Perimeter Road.	No architectural features found; three wire nail fragments; site likely destroyed.	No further investigations
26	N/A	4320544	327765	Five possible structures, inside Perimeter Road, may be destroyed.	All structure footprints found west of Perimeter Road, inside security fence; heavily disturbed.	No further investigations
27	33PK326	4320540	327975	Located west of Fog Road, has driveway that extends west from Fog Road to area of Perimeter Road, seven possible buildings.	A bench mark and one structure remnant found; no artifacts. Portion of homestead probably disturbed or destroyed.	Phase I Investigation
28	33PK327	4320319	328435	Church, foundation piers, and front stoop located.	Front stoop relocated as well as eight additional foundation stones; one glass fragment and hammer head identified.	Phase I Investigation
29	N/A	4320178	327792	Six possible structures, could be destroyed by Perimeter Road and other earthmoving.	No foundation remnants except for disarticulated stone found in woods; all of site destroyed by road construction.	No further investigations.
33	N/A	4319512	325028	School, may be just outside PORTS boundary, should be clarified in field.	School building outside PORTS boundary, building is still standing, appears to be used as church.	No further investigations
36	33PK328	4313970 63	327647	Five possible structures. Farmstead along Perimeter Road, as airstrip, most of farm destroyed but some could be intact east of Perimeter Road.	One piece of window glass found east of Perimeter Road, no other evidence found; site destroyed.	No further investigations
37	33PK329	4319100	227558	Old farmstead, mostly inside Perimeter Road, at airstrip, probably destroyed	A possible filled-in well identified, no other evidence of structures. No artifacts. Site destroyed by Perimeter Road and landing strip.	No further investigations
45	N/A	4319861	327810	Along east base of hill, west side of old road in triangular fenced plot of land.	No evidence of farmstead located.	Phase I investigation

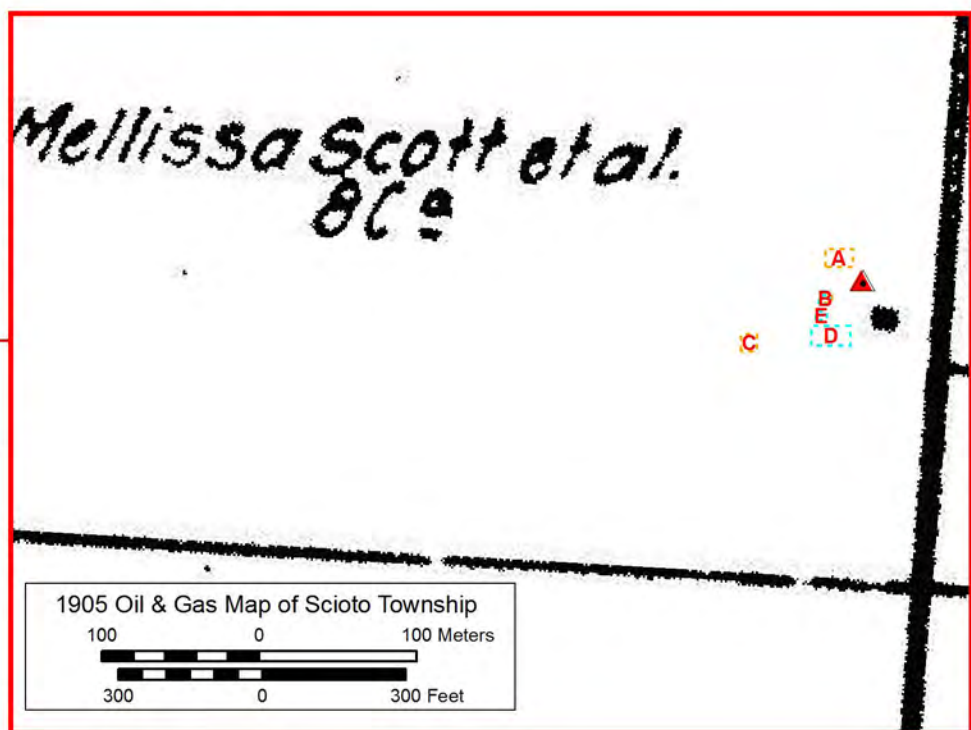
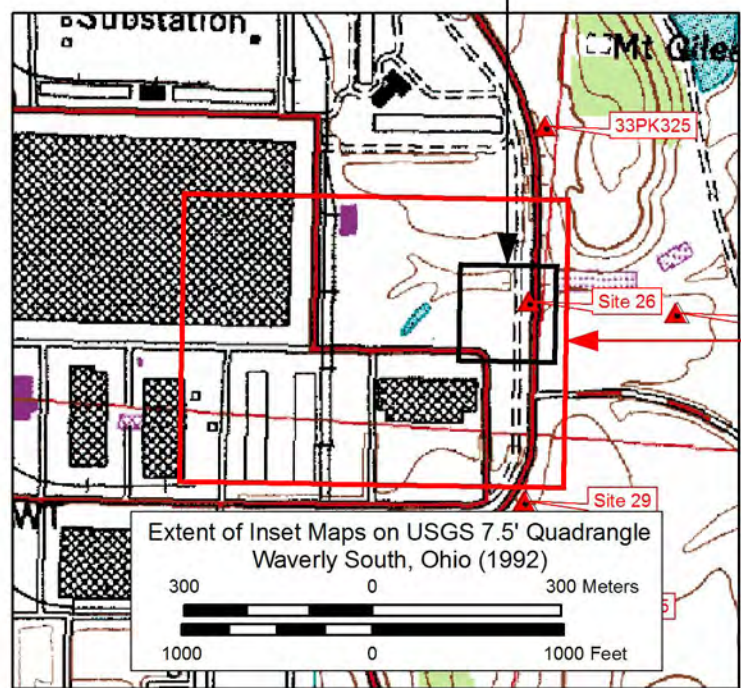
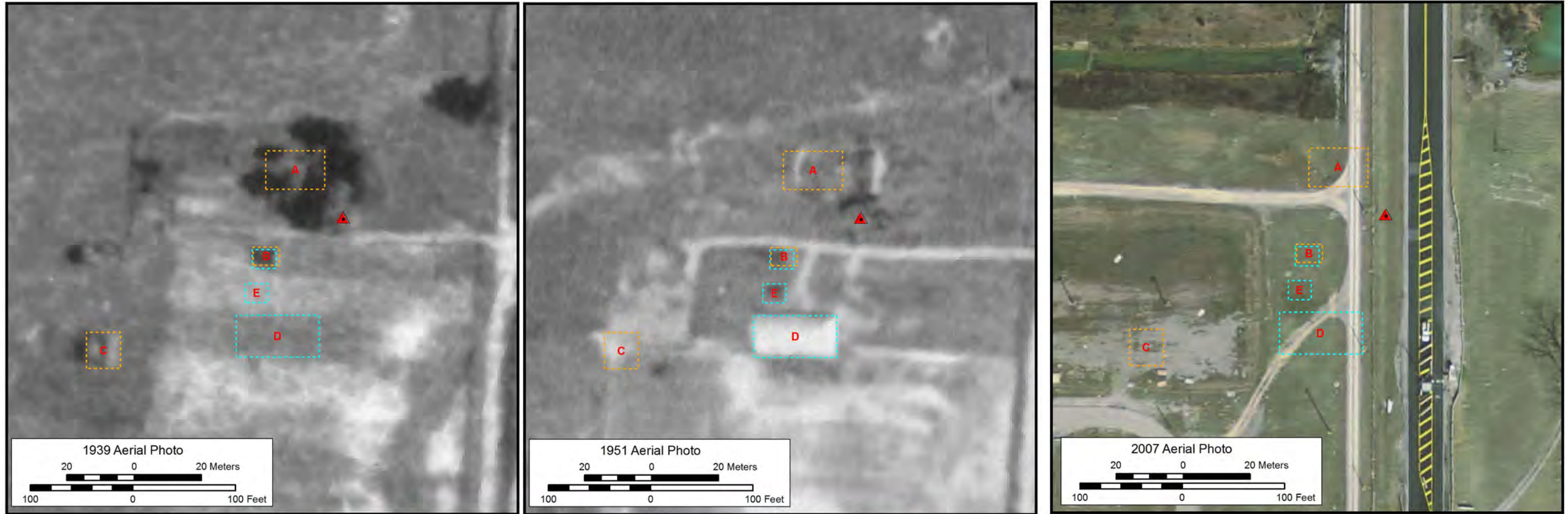
Table 1. Summary of Historical Sites						
Inventory #	OAI #	UTM Coordinates		Comments*	Reconnaissance Results	Recommendations
		Northing	Easting			
47	N/A	4320126	328366	Barn/house related to Site 33PK197?	No evidence of barn/house located.	No further investigation
48	N/A	4319204	328140	Building was likely just outside PORTS to east, but could have had outbuildings, etc. to west within PORTS.	No evidence found; all in transmission line, destroyed.	No further investigation
52	33PK330	4319588	324839	Church, located at NE corner of Beaver and Wakefield Mound Roads, may be damaged by water and effluent lines.	No visible evidence of foundation; however, there is a demolition zone filled with artifacts and building debris.	Phase I investigation
53	33PK331	4317992	326915	Probable barn, could be late 1940s, early 1950s, located just north of PORTS boundary fence (inside PORTS).	Foundation piers consisting of concrete identified, two wire nails and a piece of glass identified; recent site.	No further investigations
After Burks 2011, Table 1						



Historical Site 33PK325 Shown on 1939, 1951, and 2007 Aerial Photos, and on the 1905 Oil & Gas Map of Scioto Township

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Figure 2



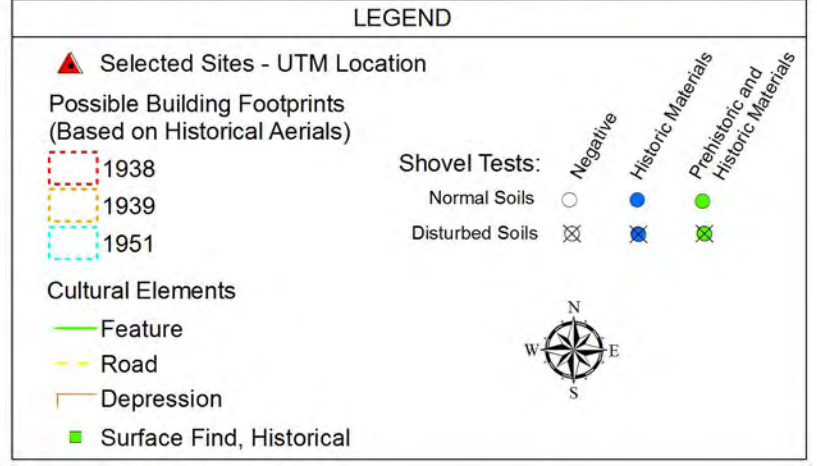
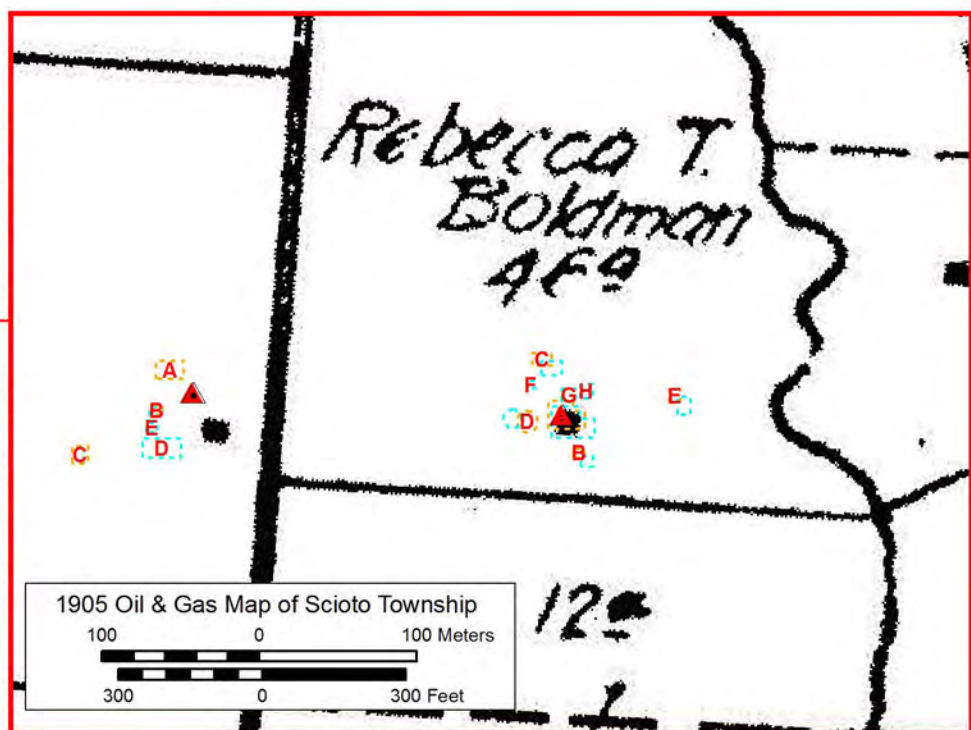
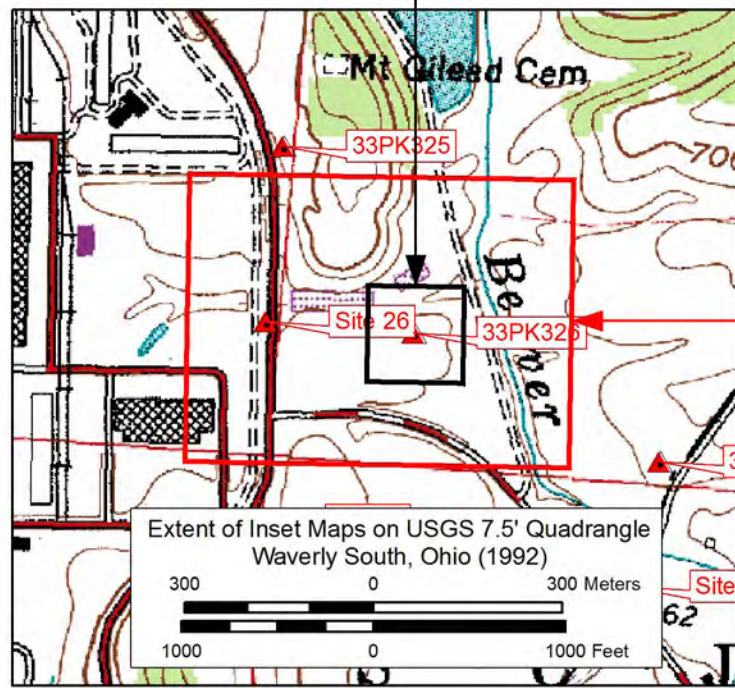
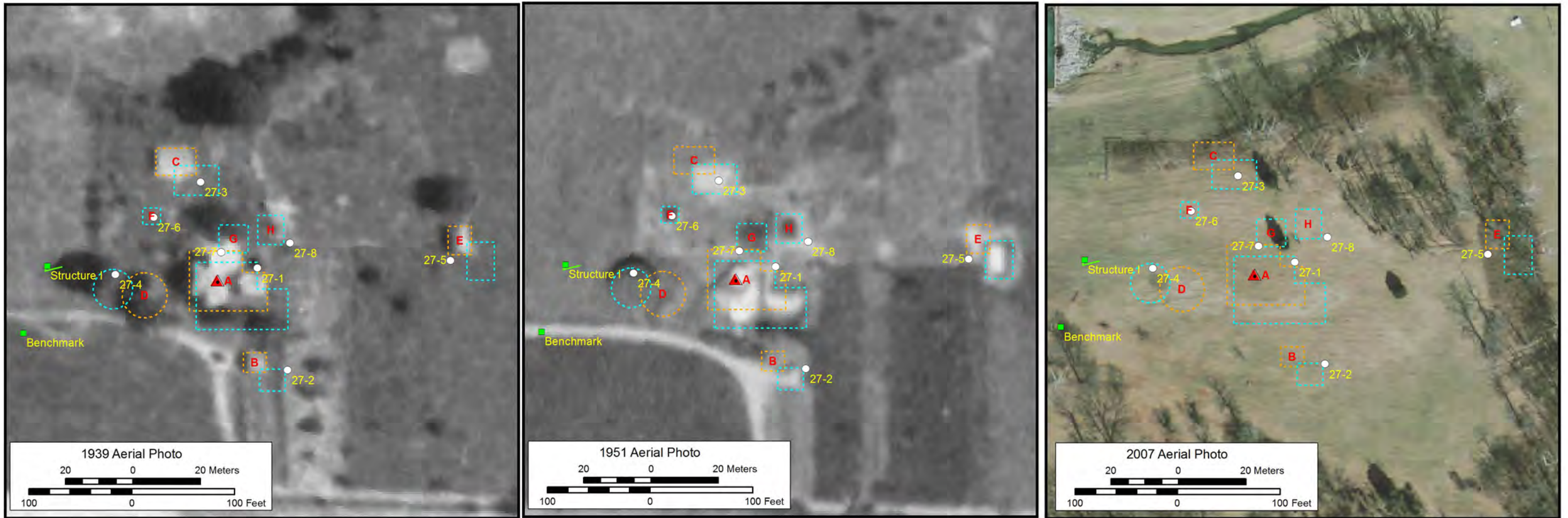
LEGEND

- ▲ Selected Sites - UTM Location
- Possible Building Footprints (Based on Historical Aerials)
 - 1938
 - 1939
 - 1951
- Cultural Elements
 - Feature
 - Road
 - Depression
 - Surface Find, Historical
- Shovel Tests:
 - Normal Soils: ○
 - Disturbed Soils: ⊗
 - Negative: ○
 - Historic Materials: ●
 - Prehistoric and Historic Materials: ⊗

Historical Site #26 Shown on 1939, 1951, and 2007 Aerial Photos, and on the 1905 Oil & Gas Map of Scioto Township

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Figure 3



Historical Site 33PK326 Shown on 1939, 1951, and 2007 Aerial Photos, and on the 1905 Oil & Gas Map of Scioto Township

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Figure 4

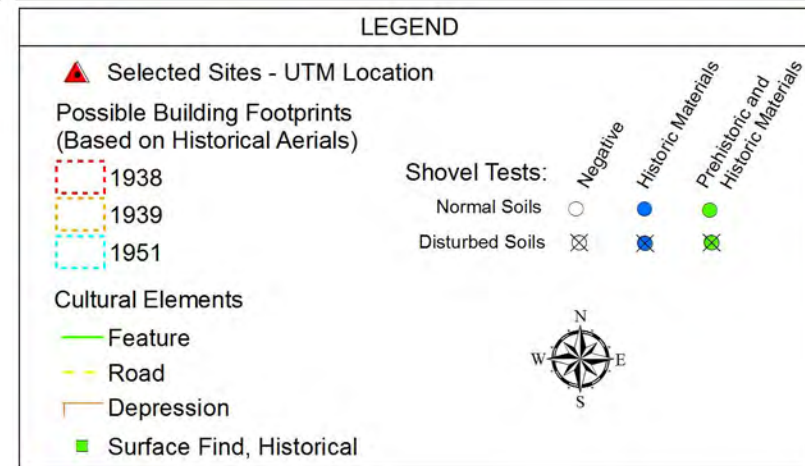
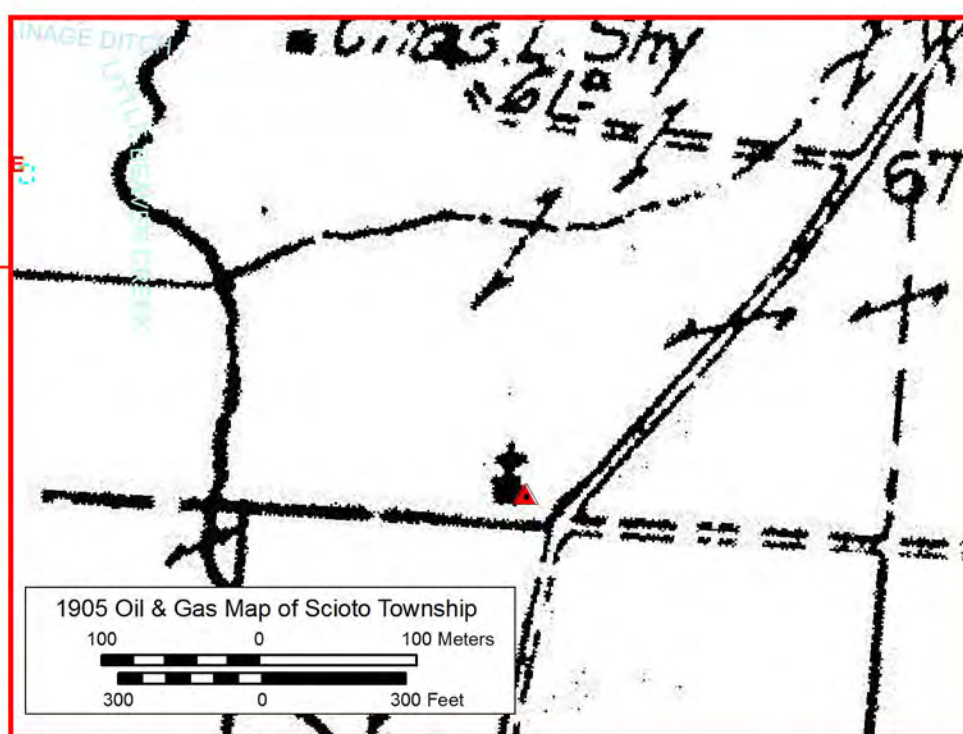
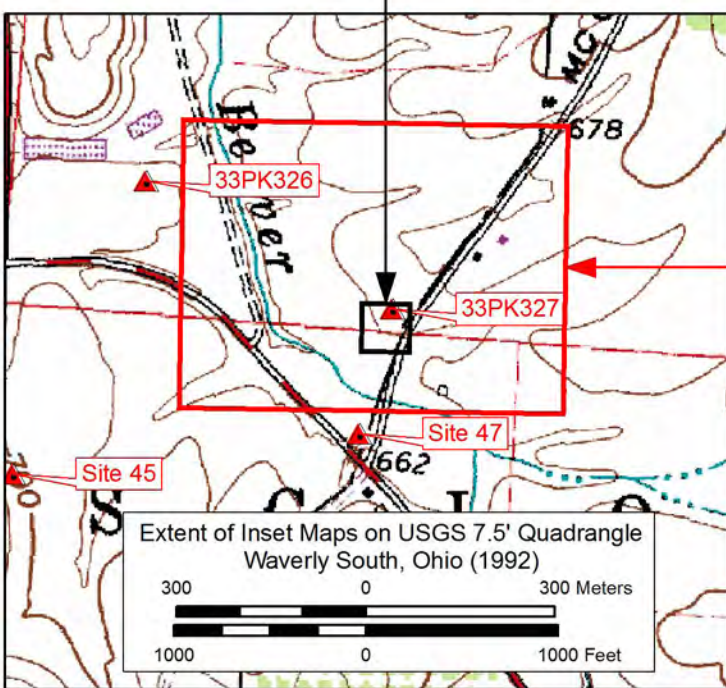
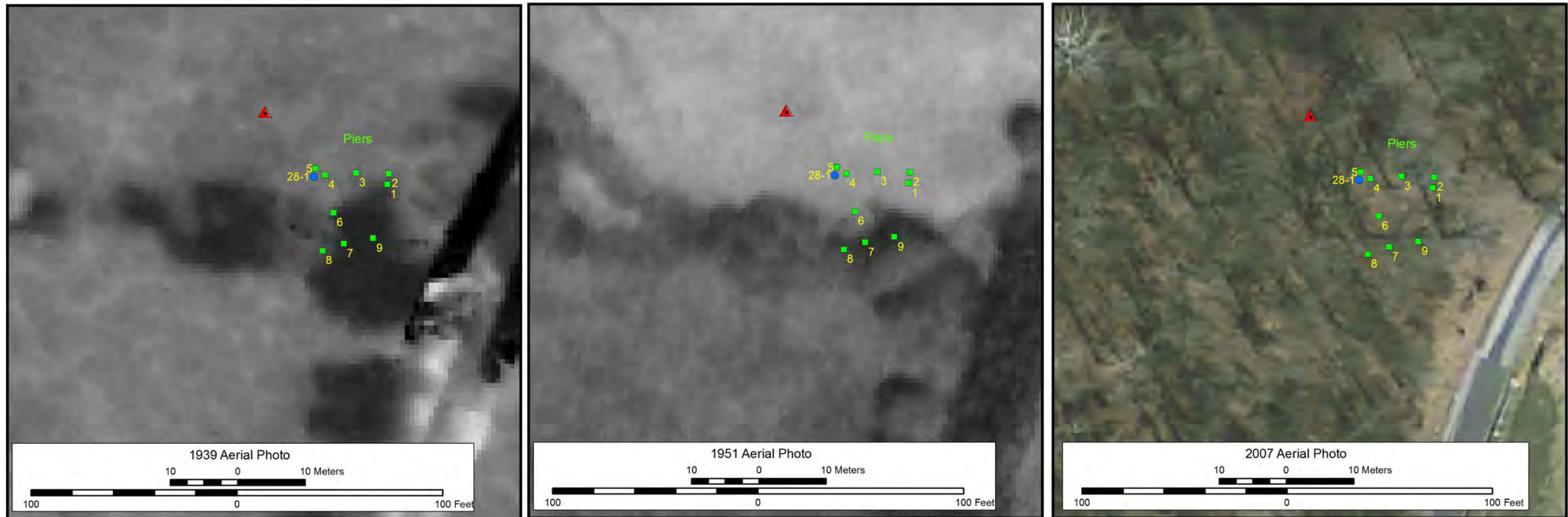
Monitoring wells are scattered across the entirety of the landform in which the site is found. A pedestrian reconnaissance was conducted across the site, which resulted in the identification of an unmapped structure (I) and a bench mark embedded in a poured concrete obelisk (Figure 4). Probing around the perimeter of the seven mapped structural footprints provided negative results. Likewise, shovel testing resulted in negative results.

Shovel tests were relatively shallow and ranged between 10 and 25 cm (3.93 and 9.84 in.) deep and consisted of shallow sod cap (3 cm [1.18 in.]) overlaying subsoil, which contained between 50 and 90% gravel.

The one structure identified consists of four foundation piers consisting of limestone blocks. This structure covers an area of 9.83 square meters (m²) 105.8 square feet [ft.²]. Examination of a recent aerial (2007) photograph of the area shows the gravel access road circling through the farmstead that has likely destroyed Structures A, E, G, and H (Figure 4). According to Gary Weber (2011, personal communication), the well field and associated access road were constructed in 1994, which likely resulted in impacting these resources. Additionally, push-piles were noted along the northern edge of the landform, suggesting that an unknown amount of earthmoving has occurred across the landform.

Despite these disturbances, a Phase I archaeological survey is recommended in areas where visible disturbances have not occurred. It is likely that intact portions of the homestead exist in these areas.

Site 33PK327 (Historical Site #28) - Site 33PK327 is located at the northeastern portion of the PORTS Facility west of McCorkle Road on a ridgetop in a moderately wooded area (Figures 1 and 5; Table 1). This site is illustrated on the Oil and Gas map as a church (Figure 5). The church is not illustrated on the 1952 TVA map, nor is it visible on either the 1939 or 1951 aerial photographs (Figure 5). Thus, it is likely that the building was dismantled or destroyed sometime prior to 1939. Previous studies suggested that the front stoop and other foundation stones still were visible (Burks 2011, Table 1). Pedestrian reconnaissance of the area relocated the front stoop and eight additional foundation stones (Figure 5). All of the foundation stones appear to be manufactured from dressed limestone. A single shovel test resulted in the identification of a single piece of clear window glass and an iron hammer head (not collected). Overall, the church foundation measures 12.2 by 12.2 m (40 by 40 ft.), covering an area of 148.8 m² (1600 ft.²). Several very large mature trees surrounded the foundation stones. Based on the presence of the foundation remnants, a standard Phase I investigation is recommended for this historical site.

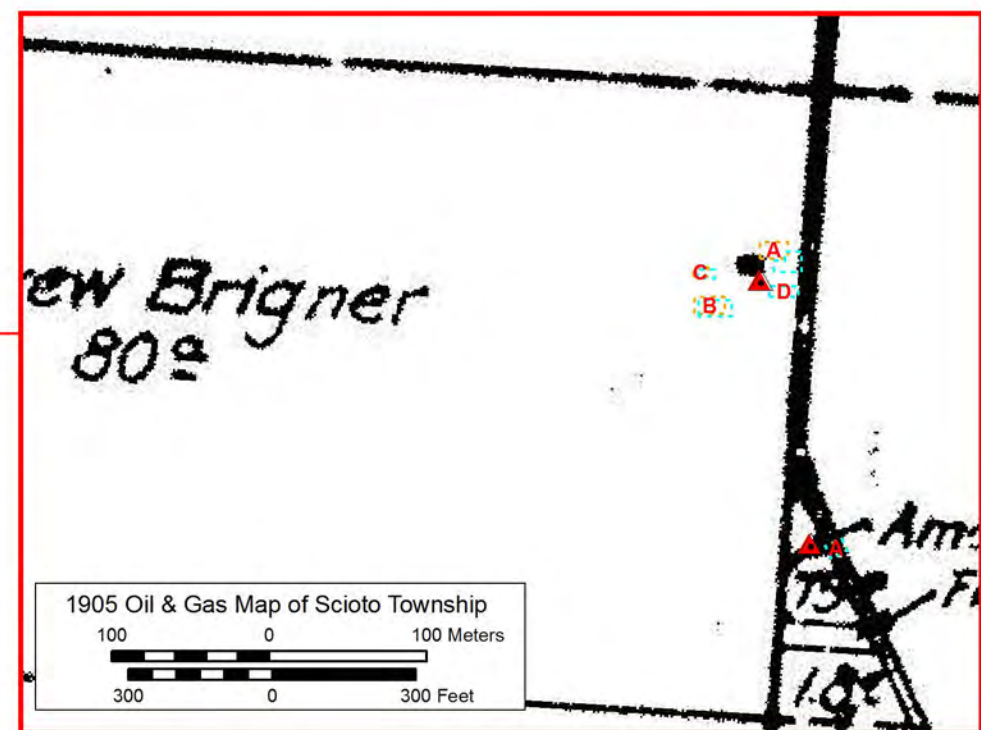
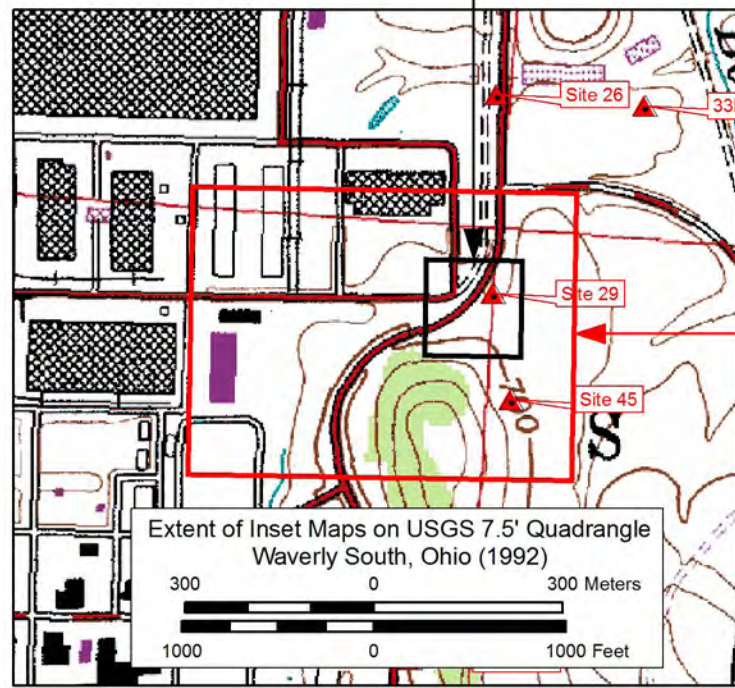
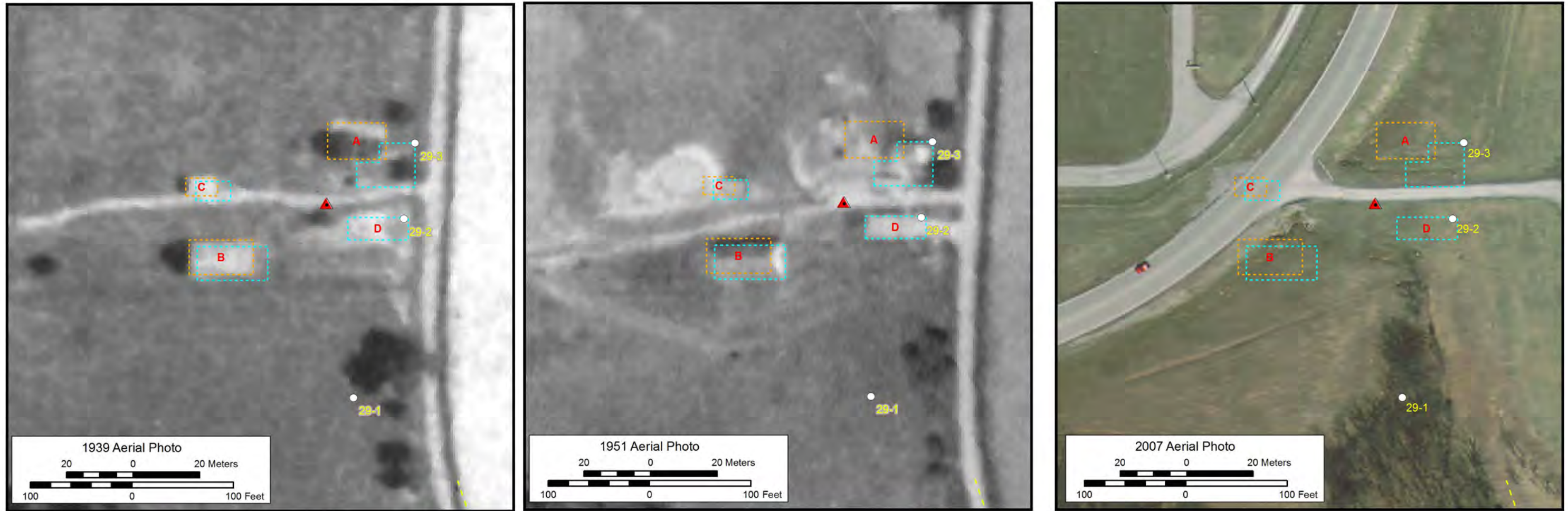


Historical Site 33PK327 Shown on 1939, 1951, and 2007 Aerial Photos, and on the 1905 Oil & Gas Map of Scioto Township

Historical Site #29 – Historical Site #29 is located at the northeastern portion of the PORTS Facility, just east of Perimeter Road and west of the oval running track (Figures 1 and 6, Table 1). The site is illustrated on the 1905 Oil and Gas Map, as well as the 1952 TVA Map (Figure 6). One structure is illustrated on the 1905 map, while three possible structures are illustrated on the 1952 map. The historical site also is visible on both the 1939 and 1951 aerial photographs (Figure 6). On the 1939 and 1951 aerials, the site is accessed by a narrow lane west of a larger road. Today, the narrow lane still exists as a graveled access road, while the larger main road has been abandoned, but the roadbed still is visible in the wooded area south of the site. The remainder of the road appears to have been destroyed. Based on the 2007 aerial photograph, much of Historical Site #29 has been impacted by earthmoving activities associated with the construction of Perimeter Road and a drainage ditch (Figure 6). Most of Structure A is found within a drainage ditch and all of Structures B and C have been impacted by drainage ditch and roadway construction (Figure 6). Only the footprint of Structure D appears relatively undisturbed; however, shovel testing indicated otherwise. Probing along the perimeter of Structures A and D failed to identify any foundation remnants. A pedestrian reconnaissance of the area identified a fence remnant and disarticulated foundation stones in the wooded area south of the farmstead footprint. While the stones are limestone and appear to be foundation remnants, it is likely that their location is secondary to their original placement. No artifacts were identified in any shovel tests excavated within the foundation footprints. No further archaeological investigations are recommended for this site.

Historical Site #33 – Historical Site #33 is located south of Nursing Home Road (formerly Beaver Road) at the west-central portion of the PORTS Facility (Figures 1 and 7; Table 1). This property is a schoolhouse and is illustrated on the 1952 TVA Map. The site also is visible on the 1938 and 1951 aerial photographs. Based on aerial maps and UTM coordinates provided, Historical Site #33 is located outside the boundary of the PORTS Facility. The schoolhouse is still standing.

Site 33PK328 (Historical Site #36) – Site 33PK328 is located at the east-central portion of the PORTS Facility east of Perimeter Road, although a portion of the site is found west of Perimeter Road (Figures 1 and 8; Table 1). Historical Site #36 is illustrated on the 1905 Oil and Gas Map as a single structure and on the 1952 TVA Map as four structures (Figure 8). The site is clearly visible on the 1939 and 1951 aerial photographs as consisting of eight possible structures (Figure 8). Examination of the aerial photographs indicates that the homestead was accessed by a narrow lane found north of a larger main road (Figure 8). Today, there is no evidence of either road (Figure 8). Additionally, many of the structures have been impacted by the construction of Perimeter Road and the adjacent landing strip (Figure 8). The structure footprints for Structures A, E, F, G, and H are found east of Perimeter Road, while the structure footprints of Structures B, C, and D are found west of Perimeter Road (Figure 8).



LEGEND

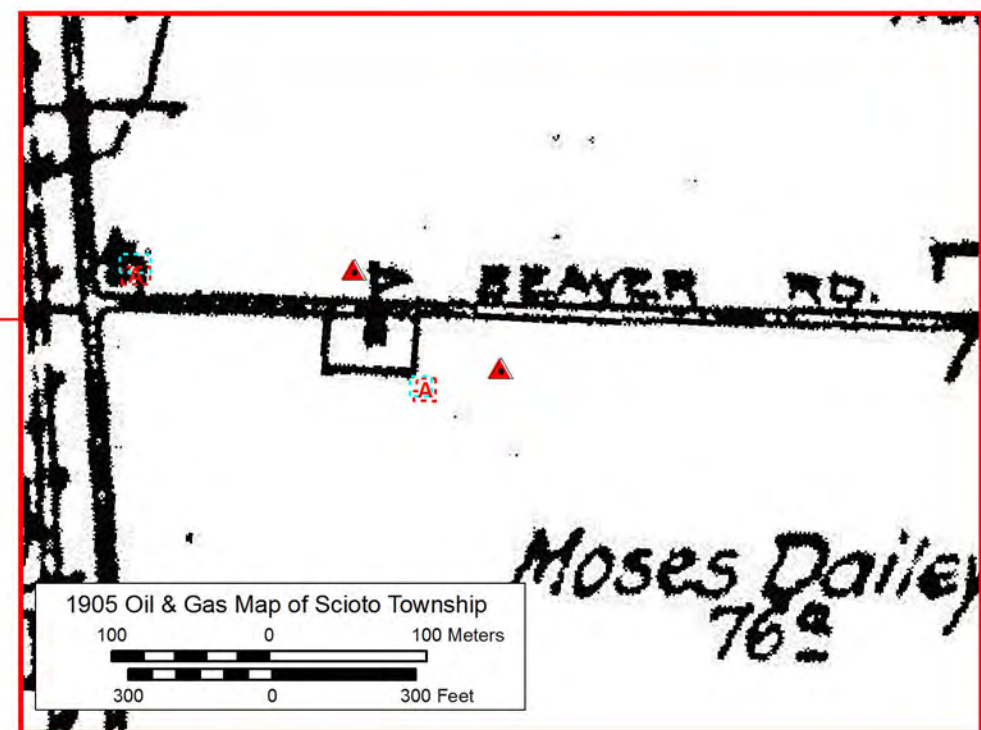
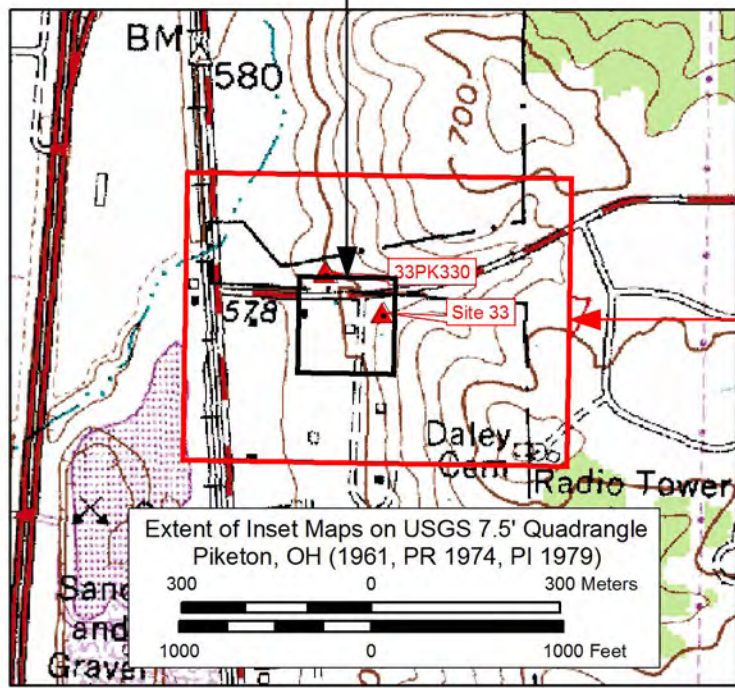
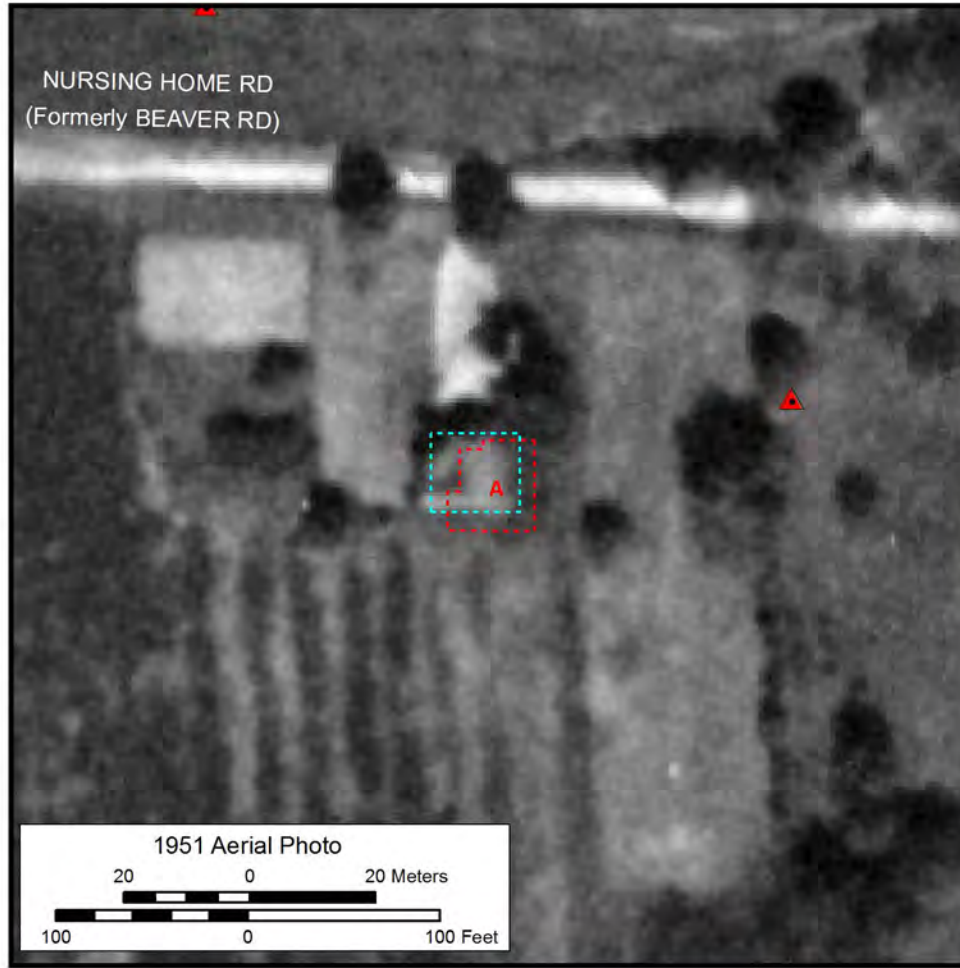
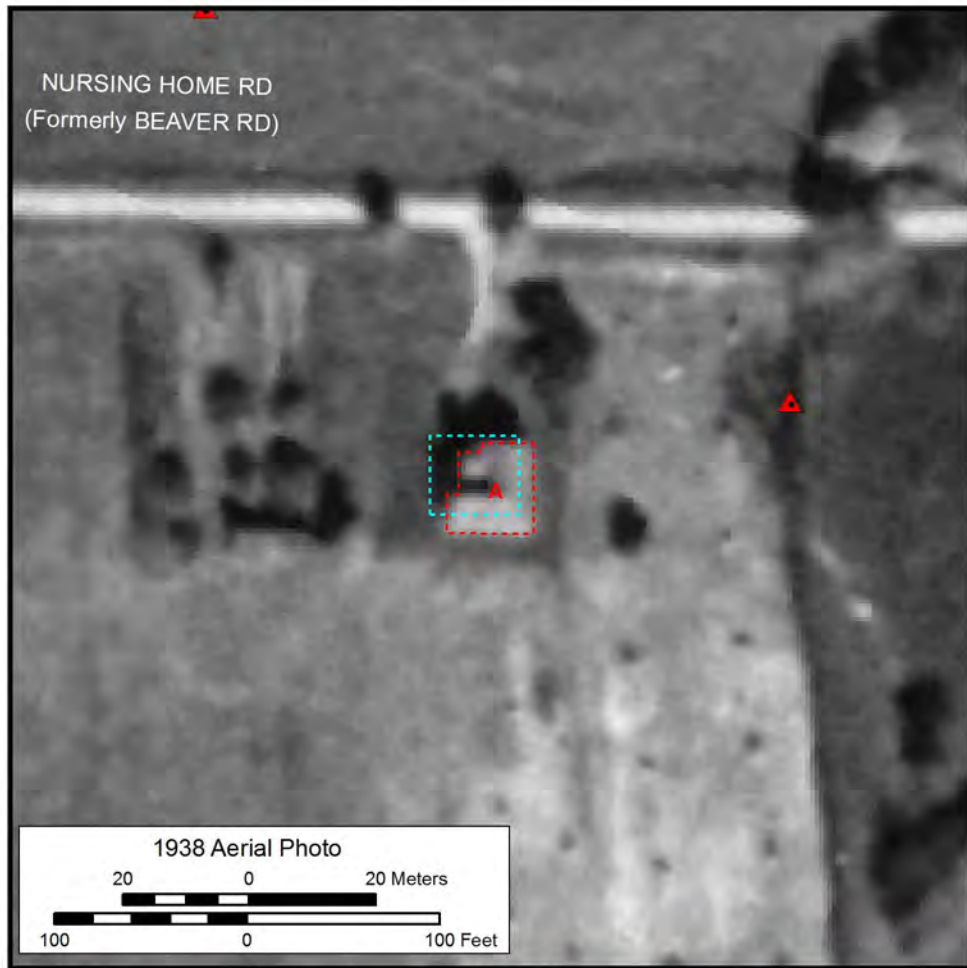
- ▲ Selected Sites - UTM Location
- Possible Building Footprints (Based on Historical Aerials)
 - 1938 (dashed red line)
 - 1939 (dashed orange line)
 - 1951 (dashed blue line)
- Cultural Elements
 - Feature (green line)
 - Road (yellow line)
 - Depression (brown line)
 - Surface Find, Historical (green square)
- Shovel Tests:
 - Normal Soils (white circle)
 - Disturbed Soils (circle with X)
 - Negative (white circle)
 - Historic Materials (blue circle)
 - Prehistoric and Historic Materials (green circle)

Compass rose showing North (N), South (S), East (E), and West (W).

Historical Site #29 Shown on 1939, 1951, and 2007 Aerial Photos, and on the 1905 Oil & Gas Map of Scioto Township

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Figure 6



LEGEND

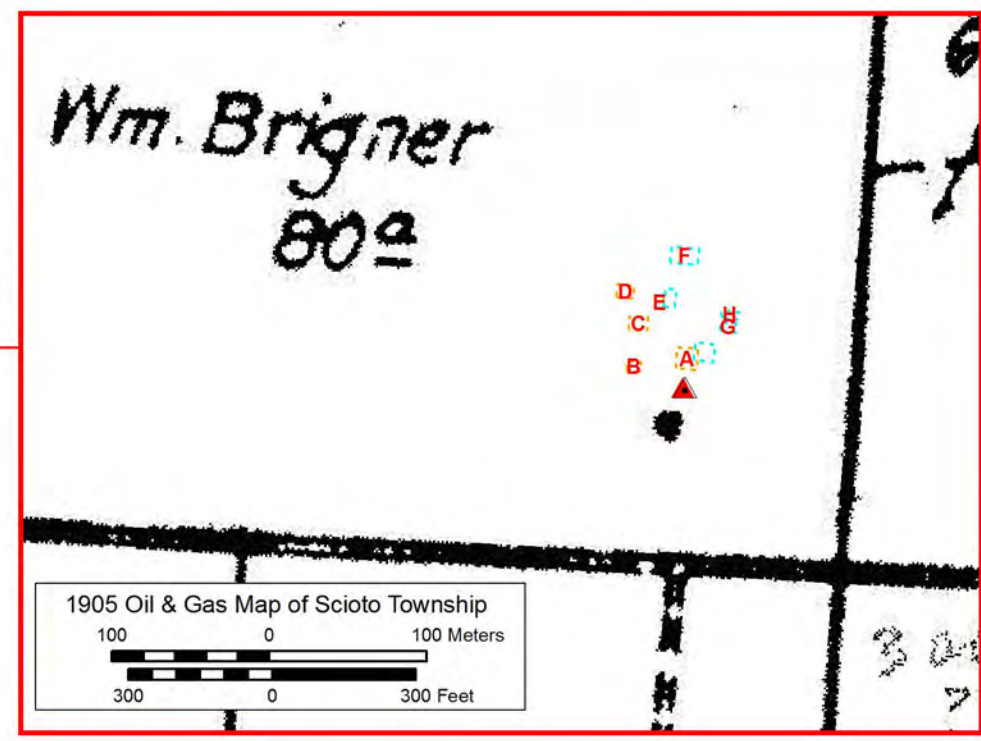
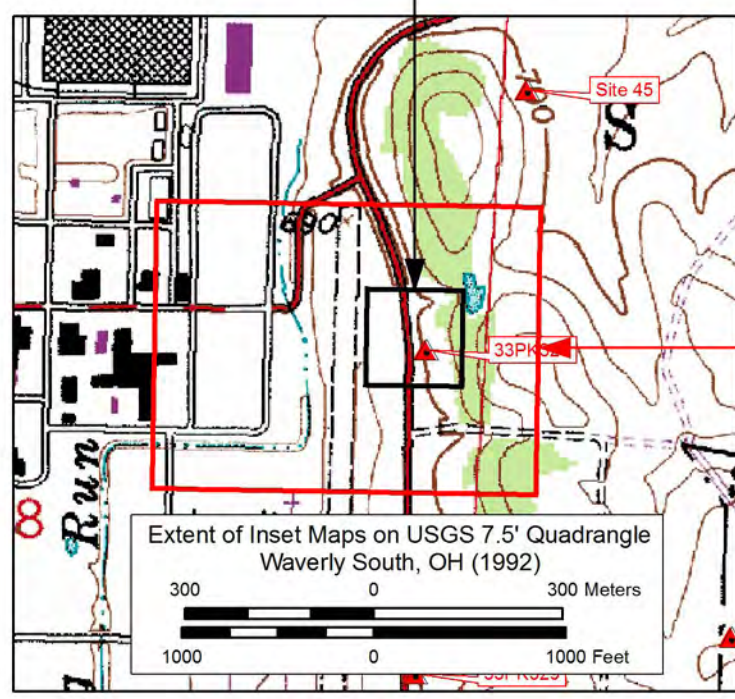
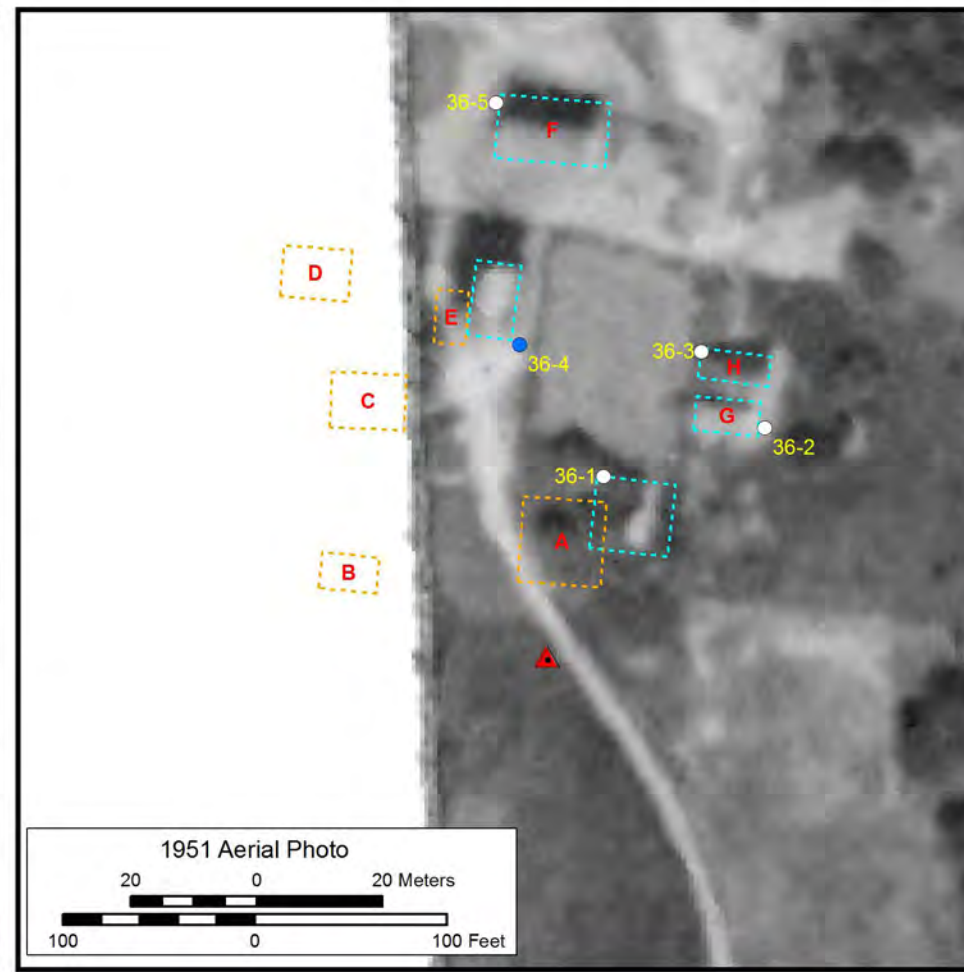
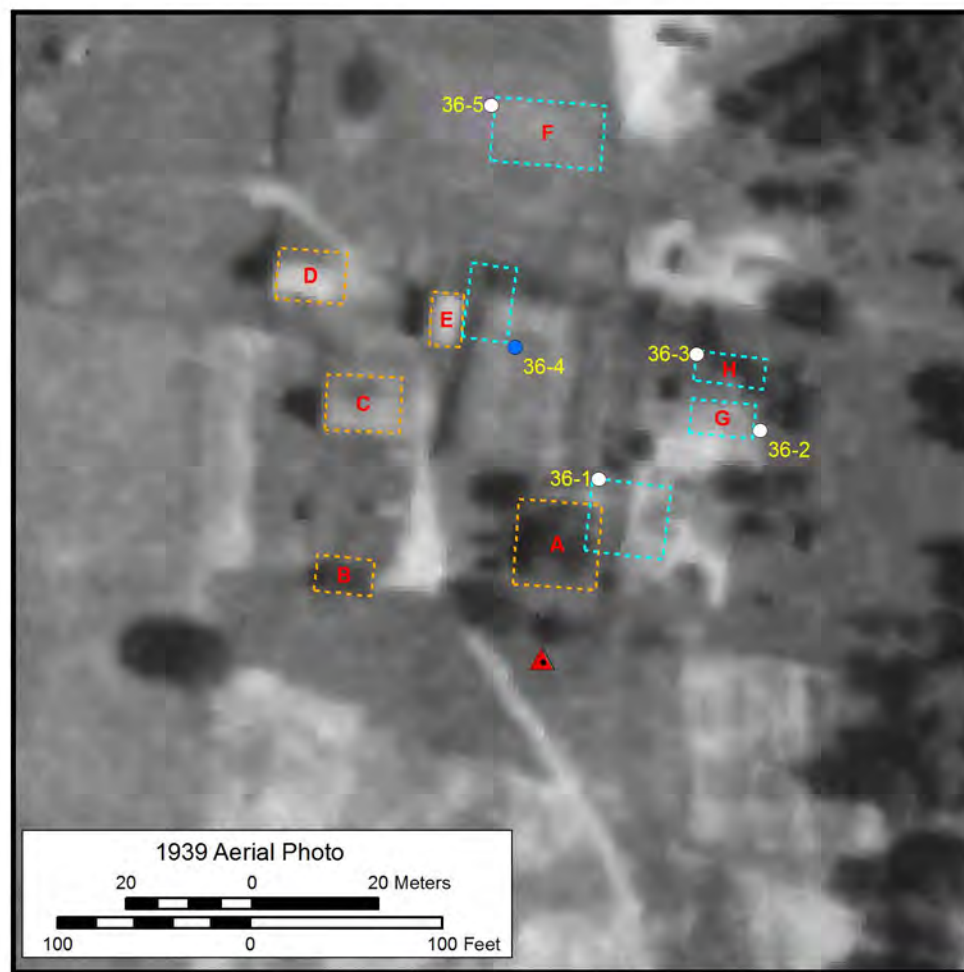
- ▲ Selected Sites - UTM Location
- Possible Building Footprints (Based on Historical Aerials)
 - 1938
 - 1939
 - 1951
- Shovel Tests:
 - Normal Soils
 - Disturbed Soils
 - Negative
 - Historic Materials
 - Prehistoric and Historic Materials
- Cultural Elements
 - Feature
 - Road
 - Depression
 - Surface Find, Historical

Compass rose showing North (N), South (S), East (E), and West (W).

Historical Site #33 Shown on 1938, 1951, and 2007 Aerial Photos, and on the 1905 Oil & Gas Map of Scioto Township

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Figure 7



LEGEND

- ▲ Selected Sites - UTM Location
- Possible Building Footprints (Based on Historical Aerials)
 - 1938 (Red dashed box)
 - 1939 (Yellow dashed box)
 - 1951 (Cyan dashed box)
- Cultural Elements
 - Feature (Green line)
 - Road (Yellow line)
 - Depression (Brown line)
 - Surface Find, Historical (Green square)
- Shovel Tests:
 - Negative: Normal Soils (White circle), Disturbed Soils (Black X)
 - Historic Materials: Blue circle, Blue X
 - Prehistoric and Historic Materials: Green circle, Green X

Historical Site 33PK328 Shown on 1939, 1951, and 2007 Aerial Photos, and on the 1905 Oil & Gas Map of Scioto Township

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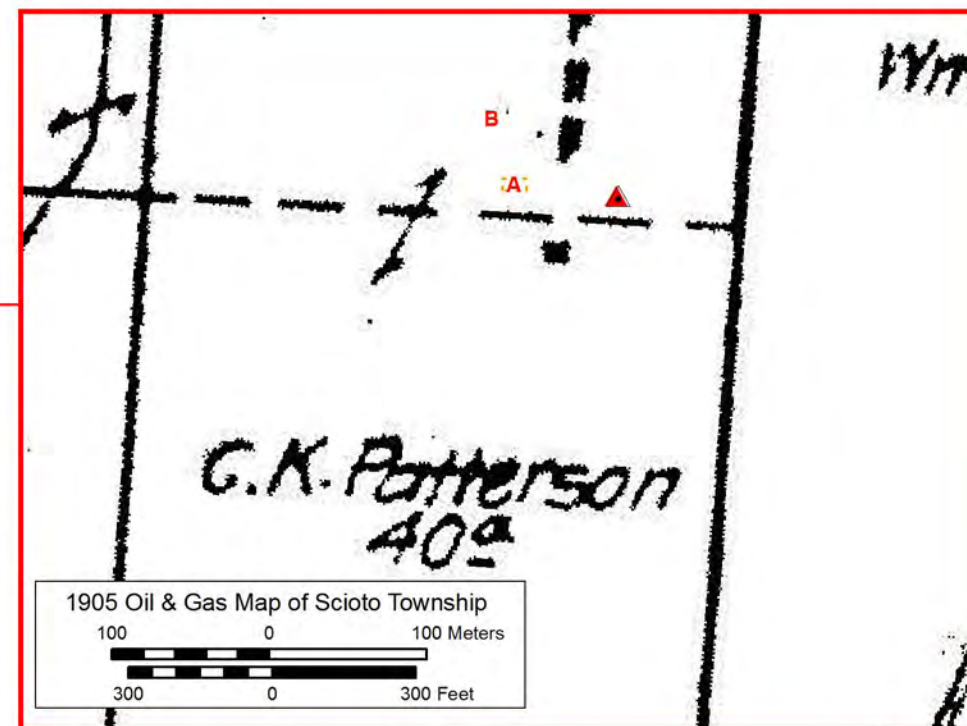
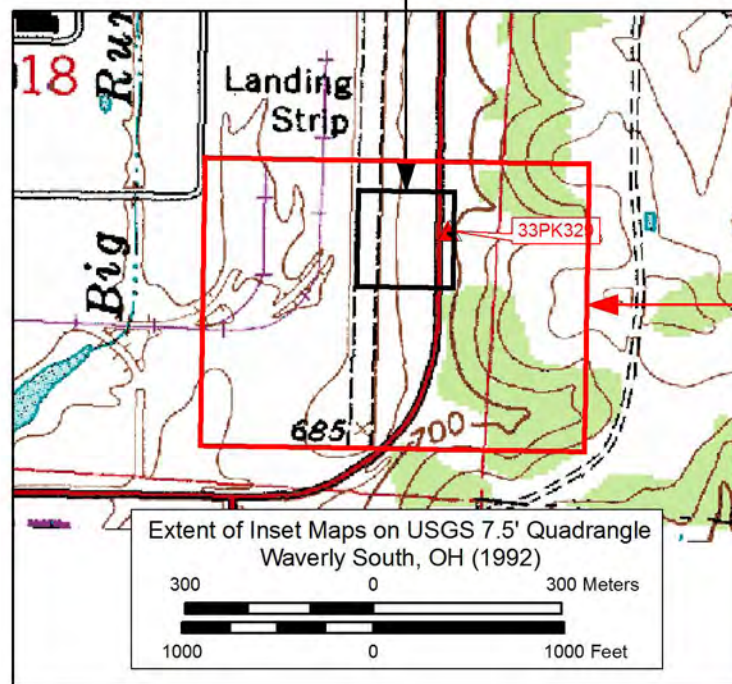
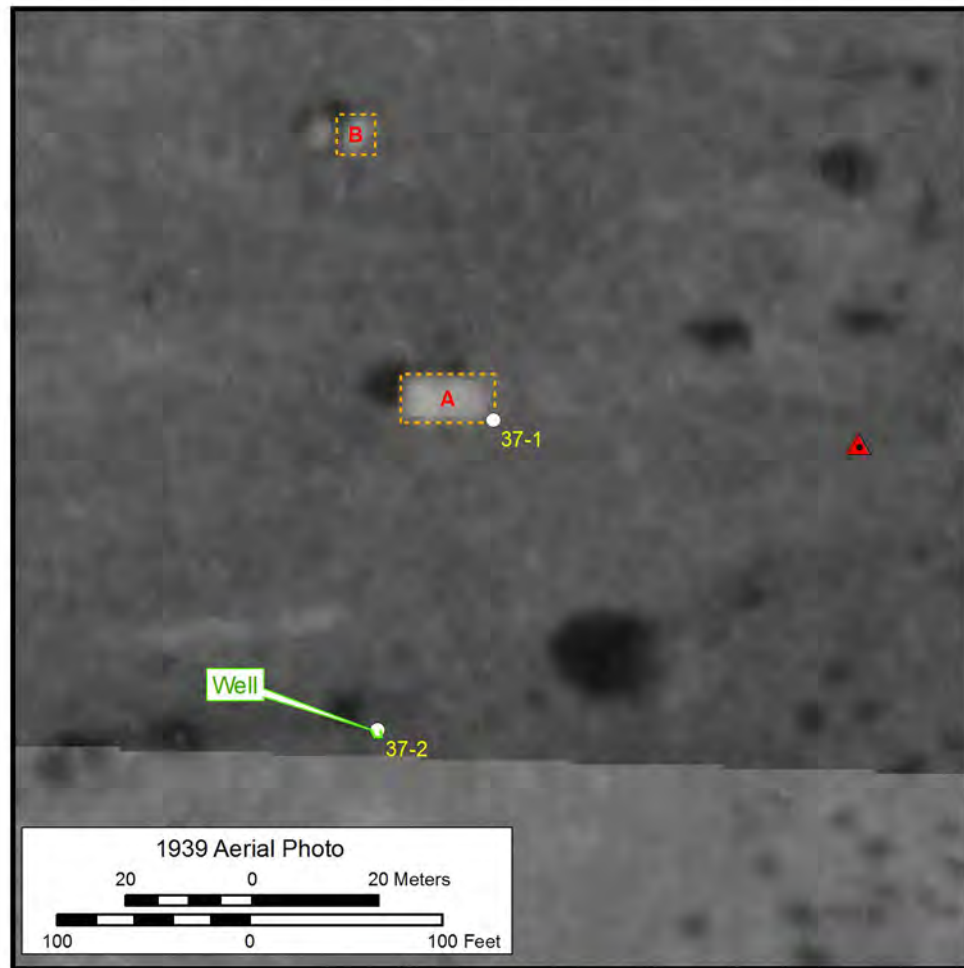
Figure 8

Examination of this site consisted of pedestrian reconnaissance, limited shovel testing, and probing the perimeters of the suspected structure footprints. No visible evidence of structures was identified. A single piece of clear window glass was recovered from a shovel test excavated within the boundaries of the Structure E footprint (Figure 8). This structure footprint is found on a sloped area that has resulted in earth moving activities associated with Perimeter Road. Structures B, C, D, and E have been compromised by earthmoving activities associated with the construction of Perimeter Road and the adjacent landing strip. It is likely the remainder of this homestead was likewise impacted by demolition or construction activities associated with Perimeter Road. No further archaeological investigations are recommended for this site.

Site 33PK329 (Historical Site #37) – Site 33PK329 is found along the east-central portion of the PORTS Facility, west of Perimeter Road in an area impacted by an abandoned landing strip (Figures 1 and 9; Table 1). The site is illustrated on the 1905 Oil and Gas Map and is visible on the 1939 aerial photograph in which two possible structures are seen (Figure 9). Today, the site is southwest of Perimeter Road in an area that has been subject to extensive earthmoving activities (Figure 9). There were no visible foundations identified and shovel tests identified no artifacts. Shovel tests placed within the structure footprints found a shallow sod cap covering subsoil. No topsoil was identified.

A pedestrian reconnaissance conducted around the perimeter of the site resulted in identification of a square depression measuring 1.30 m (4.26 ft.) east–west by 1.10 m (3.60 ft.) north–south and 0.5 m (1.6 ft.) deep. Three limestone fieldstones were noted along the southern edge. Probing identified more stones another 0.5 m (1.6 ft.) below the base of the depression. The depression appears to be a filled-in well. No artifacts were identified in a shovel test excavated adjacent to the depression. Although a possible well was identified, this area has been heavily disturbed and it is unlikely that other archaeological remains are left. No further archaeological investigations are recommended.

Historical Site #45 – Historical Site #45 is found near the northeastern portion of the PORTS Facility in an area slated for waste disposal (Figures 1 and 10; Table 1). The site is illustrated on the 1905 Oil and Gas Map and the 1952 TVA Map on a triangular piece of land. One structure is illustrated (Figure 10). The site is visible on the 1939 and 1952 aerial photographs. Today, the site area is found in a moderately wooded area, overgrown with scrub brush. Several mature trees also are noted including a cedar tree (Figure 10). Extensive pedestrian reconnaissance and limited shovel testing failed to identify any evidence of this historical site. No artifacts were identified, nor were there any visible remnants of foundations or other architectural features. It is possible that the site was razed or dismantled when the property came under the jurisdiction of the AEC. There was no visible evidence of earthmoving or other disturbances in the area. The lack of any archaeological deposits in this area is puzzling and additional Phase I survey is recommended to determine the location of this site.



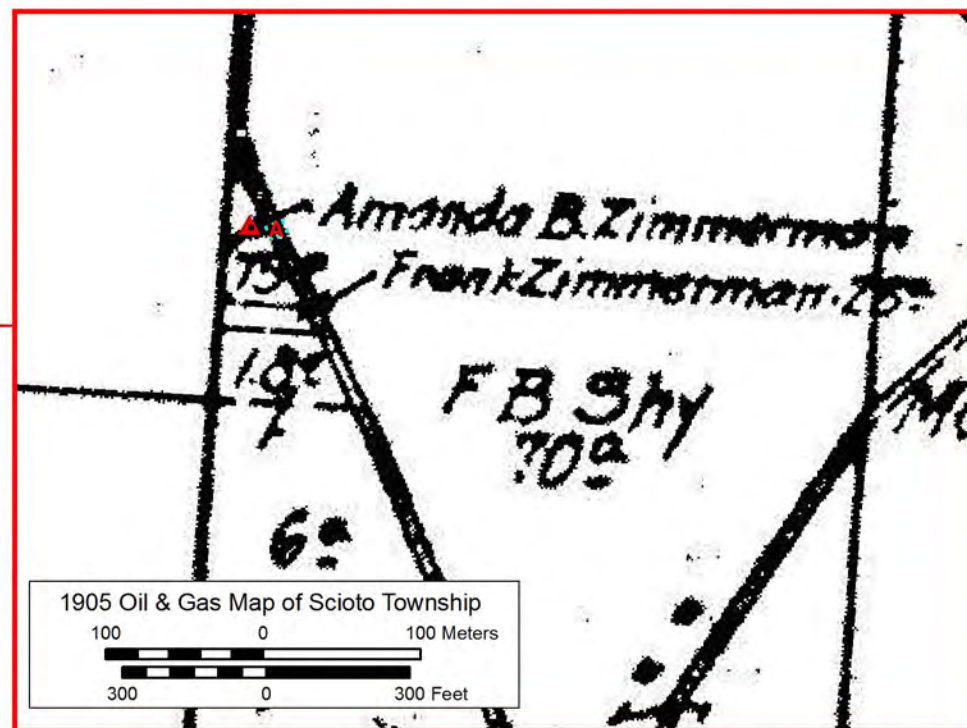
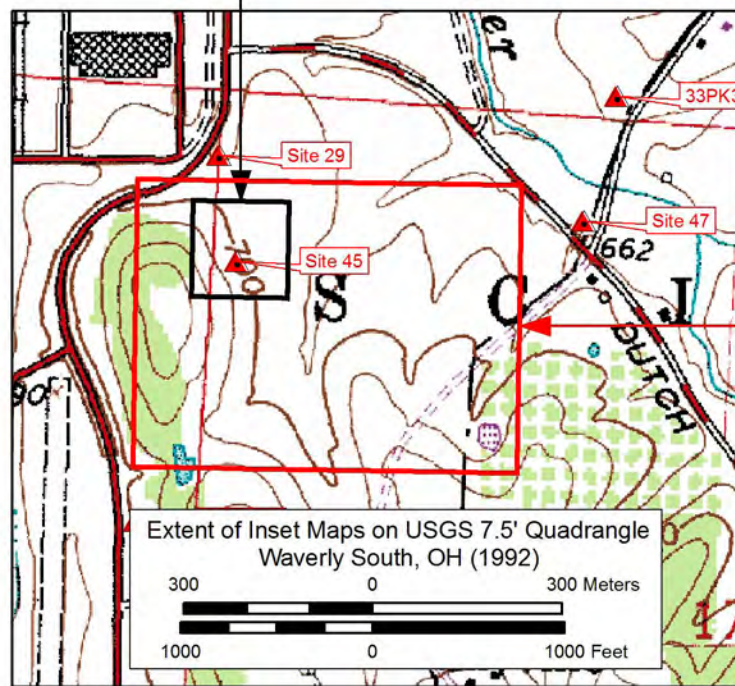
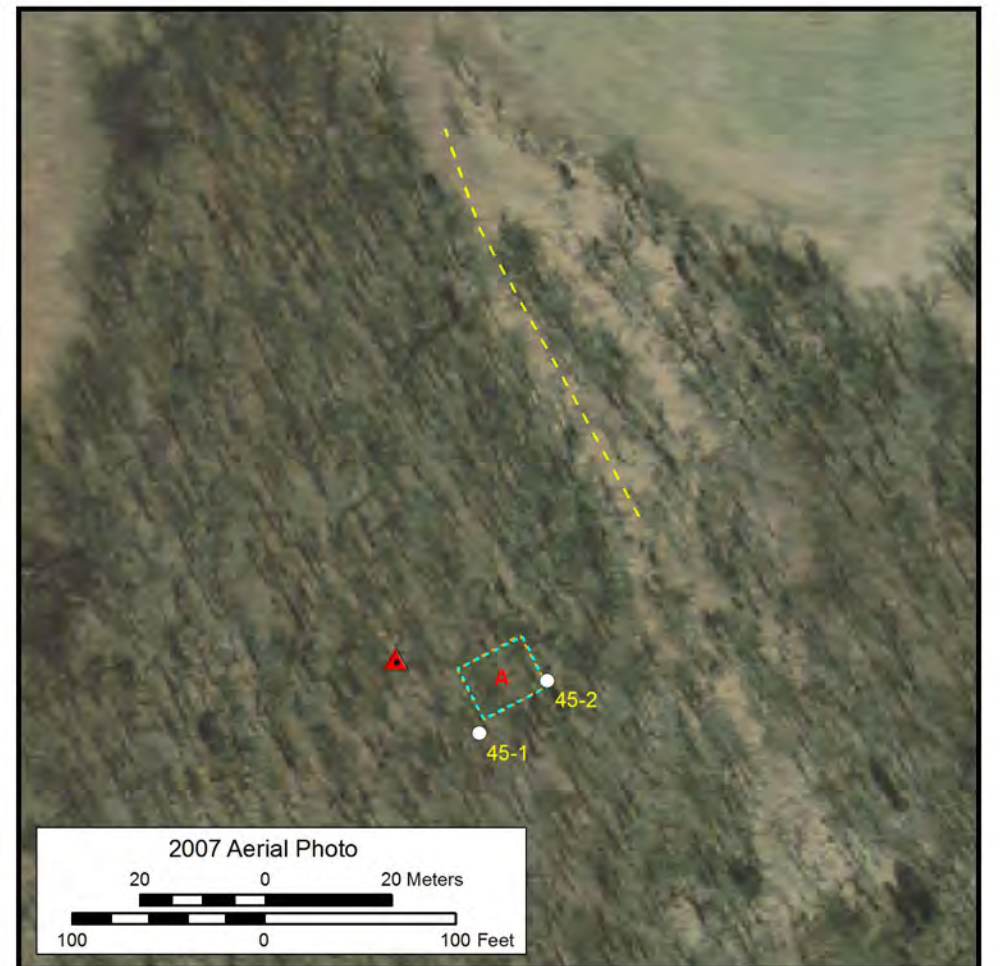
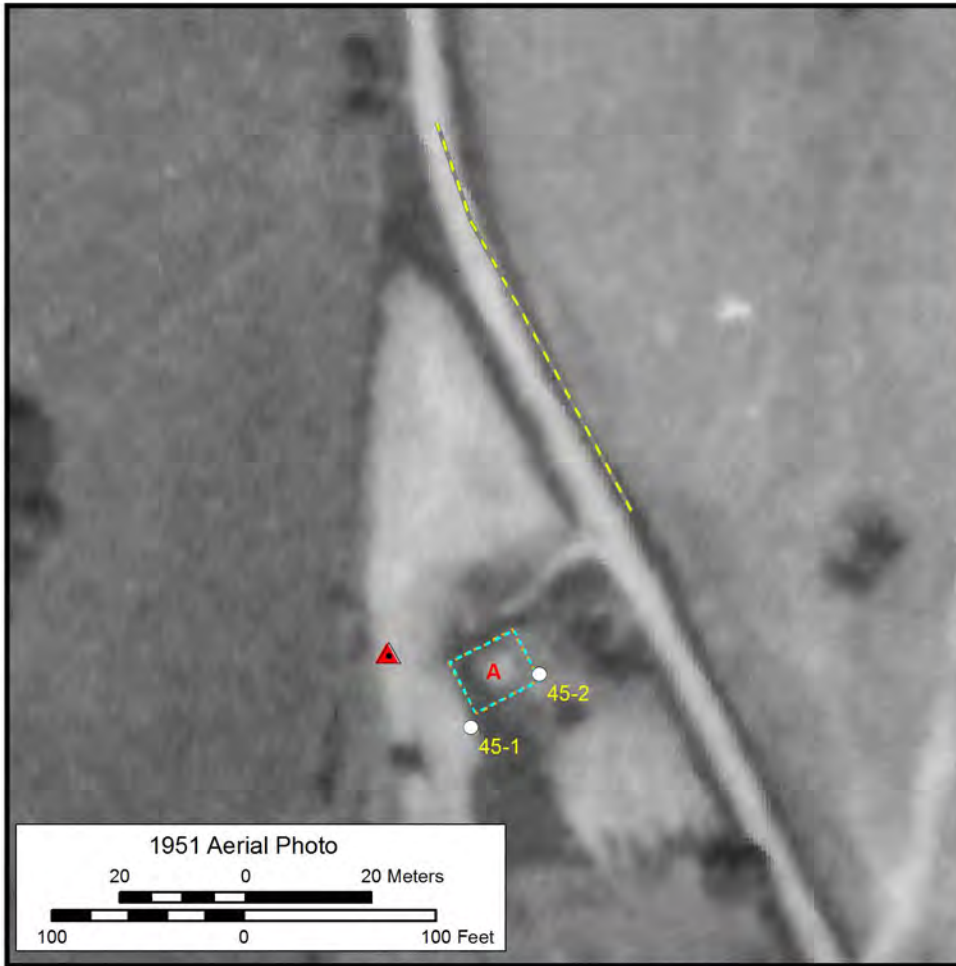
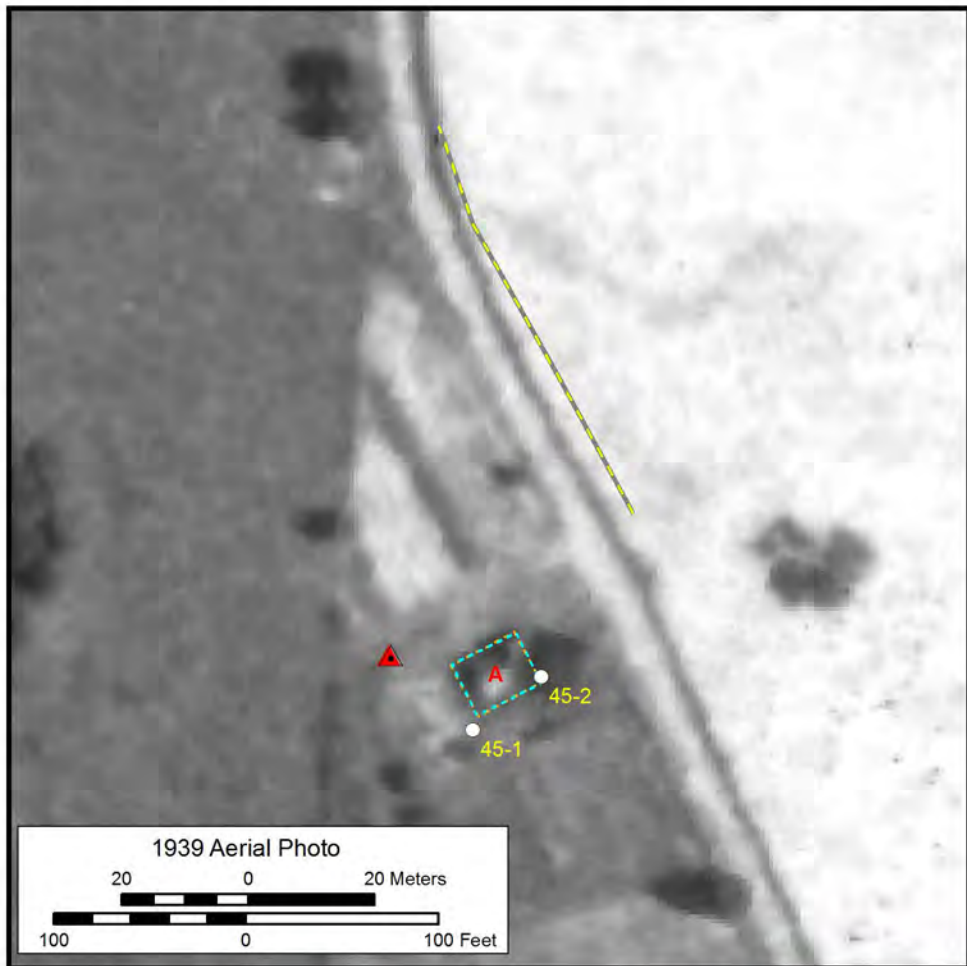
LEGEND

- ▲ Selected Sites - UTM Location
- Possible Building Footprints (Based on Historical Aerials)
 - 1938 (dashed red box)
 - 1939 (dashed orange box)
 - 1951 (dashed cyan box)
- Cultural Elements
 - Feature (green line)
 - Road (yellow dashed line)
 - Depression (brown line)
 - Surface Find, Historical (green square)
- Shovel Tests:
 - Negative (white circle)
 - Normal Soils (blue circle)
 - Disturbed Soils (cross-hatched circle)
 - Historic Materials (blue square)
 - Prehistoric and Historic Materials (green square)

Historical Site 33PK329 Shown on 1939 and 2007 Aerial Photos, and on the 1905 Oil & Gas Map of Scioto Township

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Figure 9



LEGEND

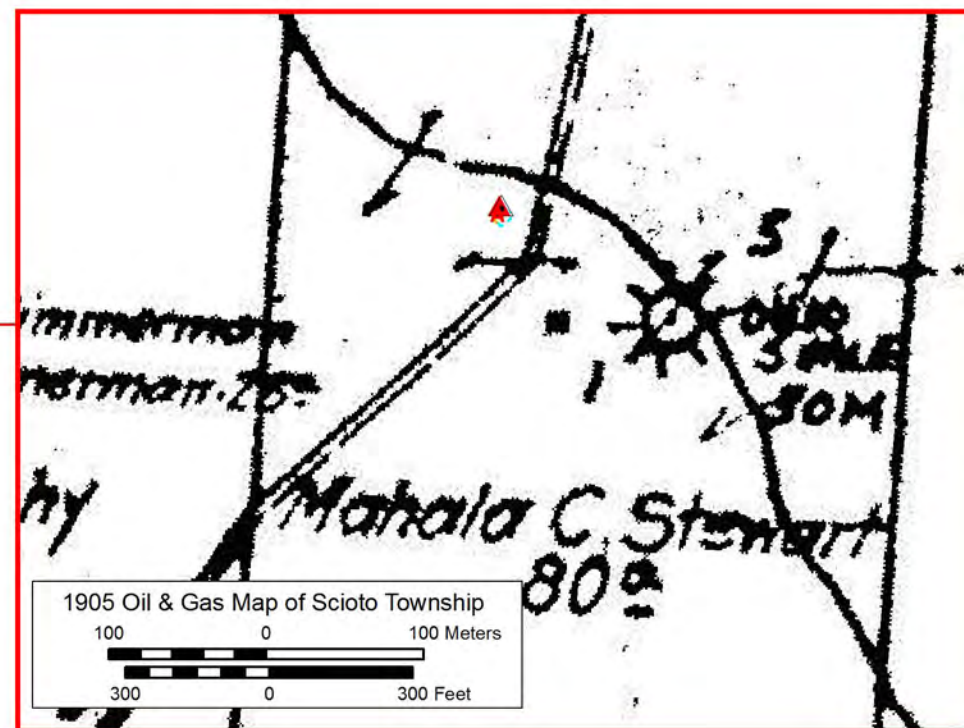
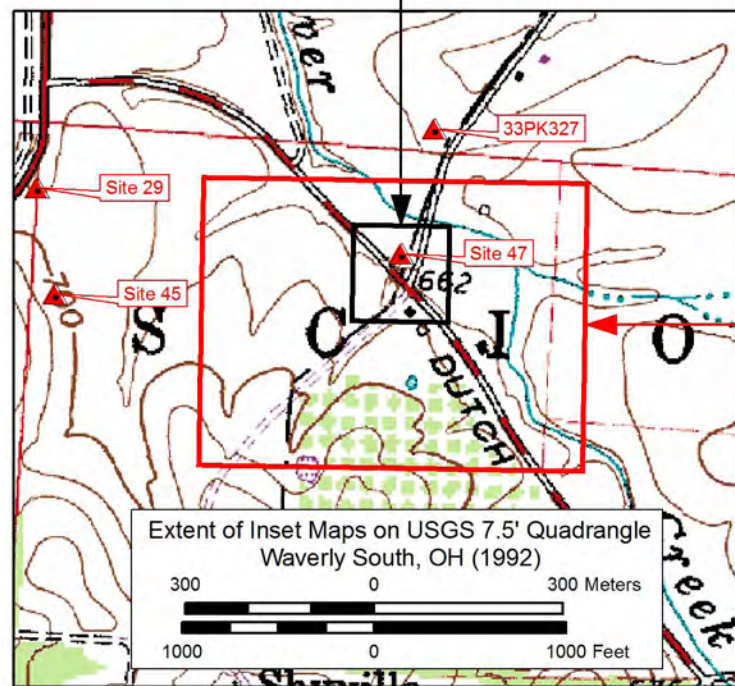
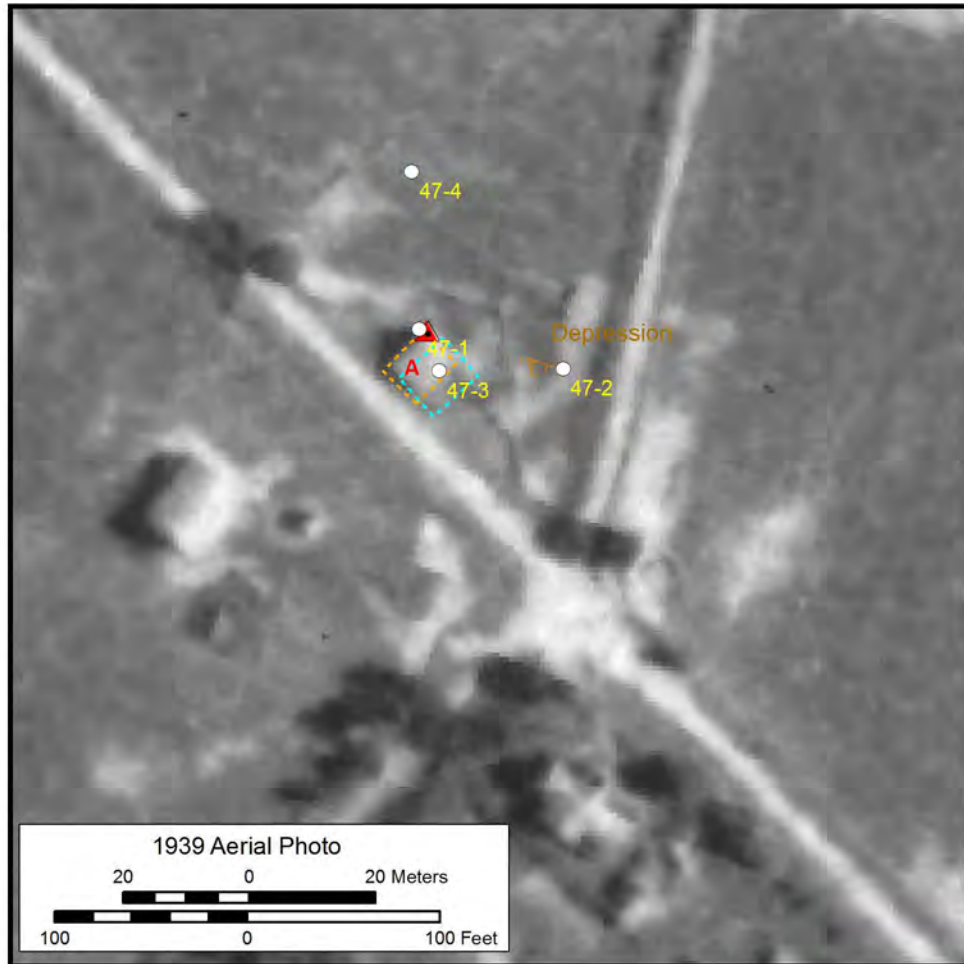
- ▲ Selected Sites - UTM Location
- Possible Building Footprints (Based on Historical Aerials)
 - 1938
 - 1939
 - 1951
- Cultural Elements
 - Feature
 - Road
 - Depression
 - Surface Find, Historical
- Shovel Tests:
 - Normal Soils
 - Disturbed Soils
 - Negative
 - Historic Materials
 - Prehistoric and Historic Materials

Historical Site #45 Shown on 1939, 1951, and 2007 Aerial Photos, and on the 1905 Oil & Gas Map of Scioto Township

Historical Site # 47 – Historical Site # 47 is found at the eastern edge of the PORTS Facility near the intersection of Dutch Run Road and McCorkle Road, on a rise just west of Beaver Creek (Figures 1 and 11; Table 1). Historical Site #47 is located north of Site 33PK197 and may represent a house/barn associated with that site. Some type of structure is visible on the 1939 and 1952 aerial photographs of the area (Figure 11). Today, the area is covered with grass and some scrub brush (Figure 11). Extensive pedestrian survey and limited shovel testing was conducted, in addition to probing the perimeter of the structure footprint. No architectural features or artifacts were noted. There was no indication that any foundation remnants existed above or below ground. A depression was identified just north of McCorkle Road. It initially was thought this may represent a well or cistern; however, probing and the excavation of a shovel test near the depression resulted in negative results. The soil profiles were all similar and consisted of a thin sod cap, overlying a shallow lens of creek gravels, underlain by subsoil. There is a drainage running just to the east of the structure footprint, between it and Beaver Creek. The creek and the drainage probably are responsible for the deposition of gravel there. No further archaeological investigations are recommended for this area.

Historical Site #48 – Historical Site #48 is located at the southeastern portion of the PORTS Facility, just west of the PORTS property boundary (Figures 1 and 12; Table 1). A structure is illustrated on the 1905 Oil and Gas map, just east of Historical Site #48, but is no longer illustrated on the 1952 TVA Map (Figure 12). It was thought that there might be outbuildings associated with this structure, although none were noted on the Oil and Gas map, and nothing is visible on either the 1931 or 1952 aerial photographs (Figure 12). This area consisted of a plowed field during those flyovers. Today, this area is found within an existing transmission line corridor (Figure 12). Push-piles were noted to the west along the margins of the wooded area. No topsoil was evident in the transmission line corridor. A pedestrian reconnaissance and limited shovel testing were conducted. No subsurface or surface indications of a structure were found at this location. If a structure ever existed in this area, it likely was bulldozed when the transmission line and associated access road were constructed. No further archeological investigations are recommended for this area.

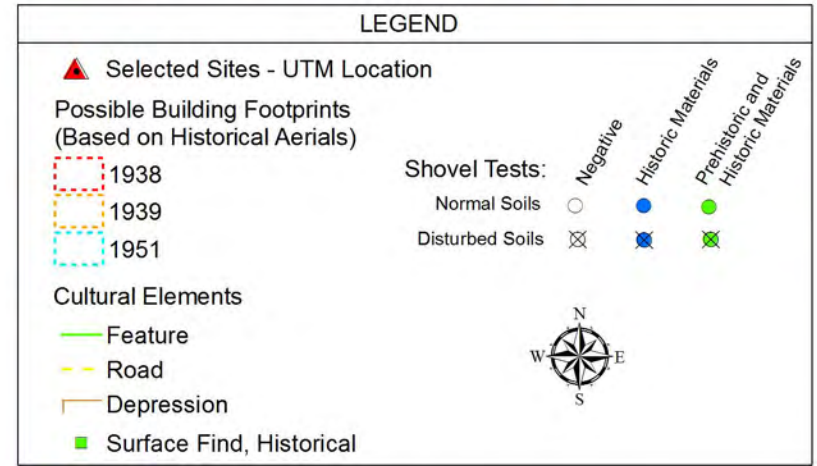
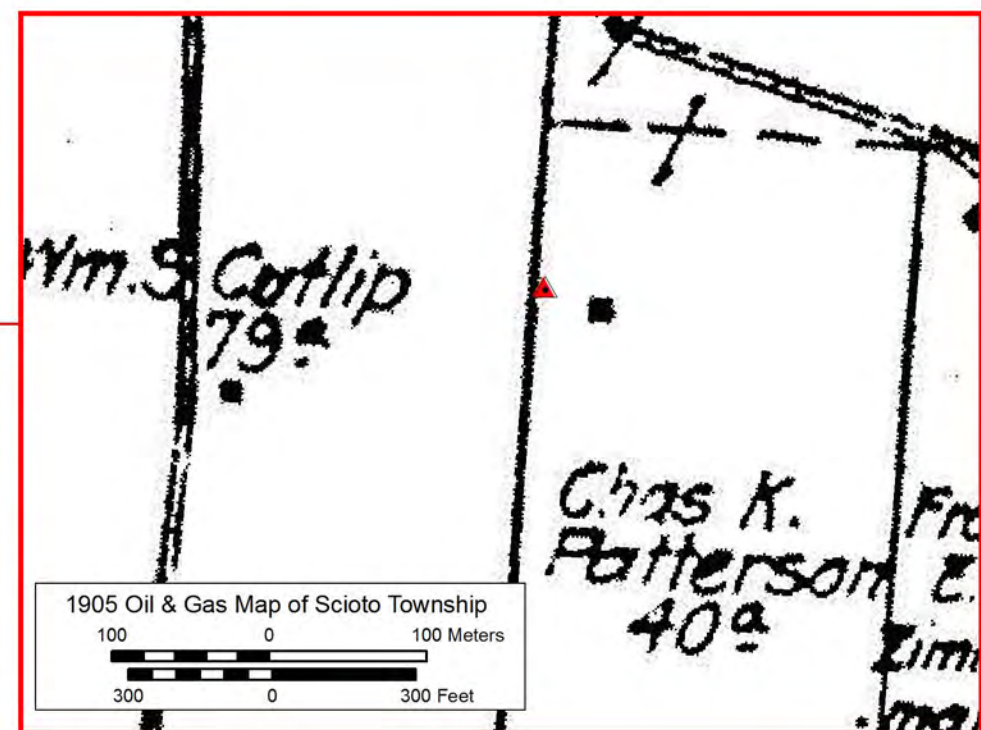
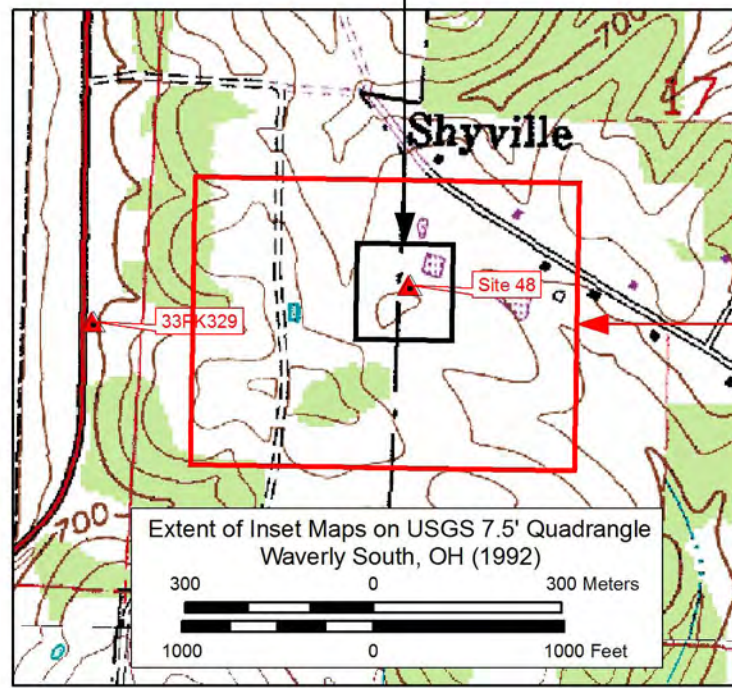
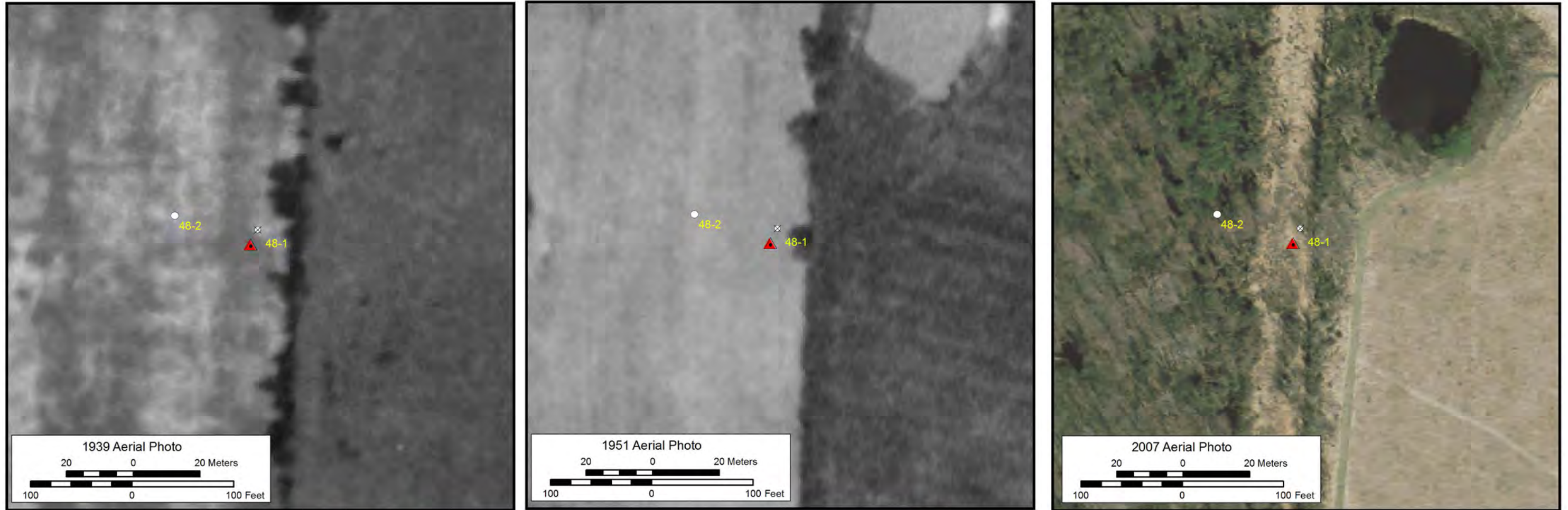
Site 33PK330 (Historical Site #52) – Site 33PK330 is located in the western portion of the PORTS Facility near the intersection of Wakefield Mound Road and Nursing Home Road (formerly Beaver Road), west of Historical Site #33 (Figures 1 and 13; Table 1). A single structure is illustrated on the 1905 Oil & Gas Map, and represents the location of a church. The structure is visible on the 1938 and 1951 aerial photographs in an open wooded area (Figure 13). Today, the site is found in an open grassy field and is part of a transmission line corridor (Figure 13). Extensive pedestrian reconnaissance was conducted and no visible remnants of the structure were found. Limited shovel testing was conducted along the southern edge of the structure footprint and in a mounded area along the northern edge of the structure footprint (Figure 13). A buried soil horizon consisting of demolition debris associated with the church was identified. The soil sequence identified here consisted of an A-CA-Ab sequence. The A horizon consists of the modern sod cap, overlying a relatively sterile clay fill zone (CA), which in turn overlays the buried A (Ab) horizon, which consists of demolition debris associated with the church .



LEGEND

- ▲ Selected Sites - UTM Location
- Possible Building Footprints (Based on Historical Aerials)
 - 1938
 - 1939
 - 1951
- Cultural Elements
 - Feature
 - Road
 - Depression
 - Surface Find, Historical
- Shovel Tests:
 - Normal Soils: ○
 - Disturbed Soils: ⊗
 - Negative: ●
 - Historic Materials: ●
 - Prehistoric Materials: ●
 - Prehistoric and Historic Materials: ●

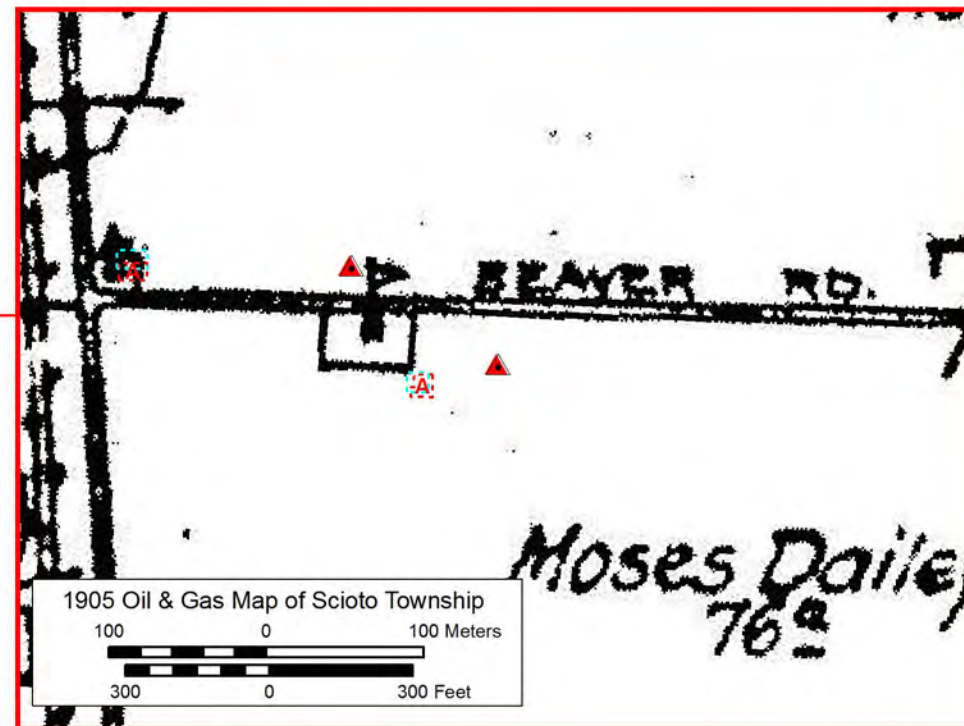
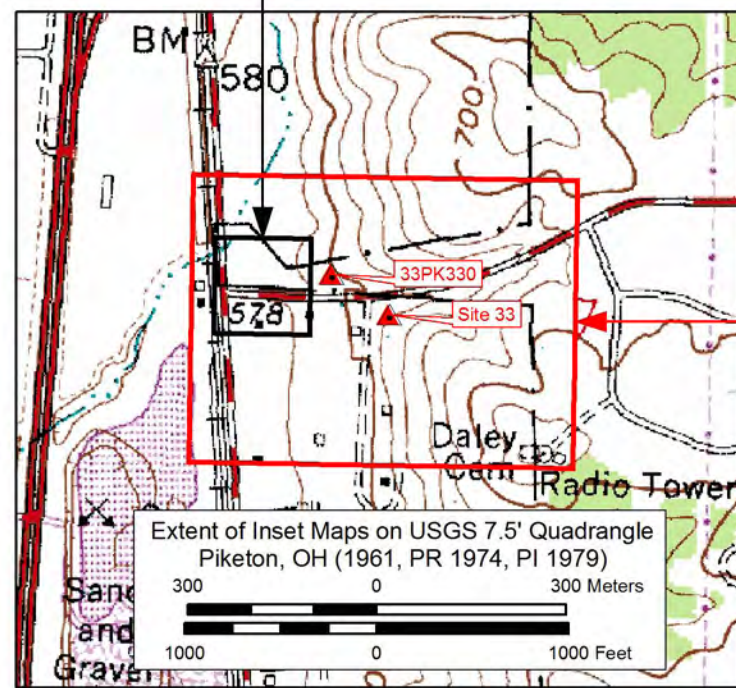
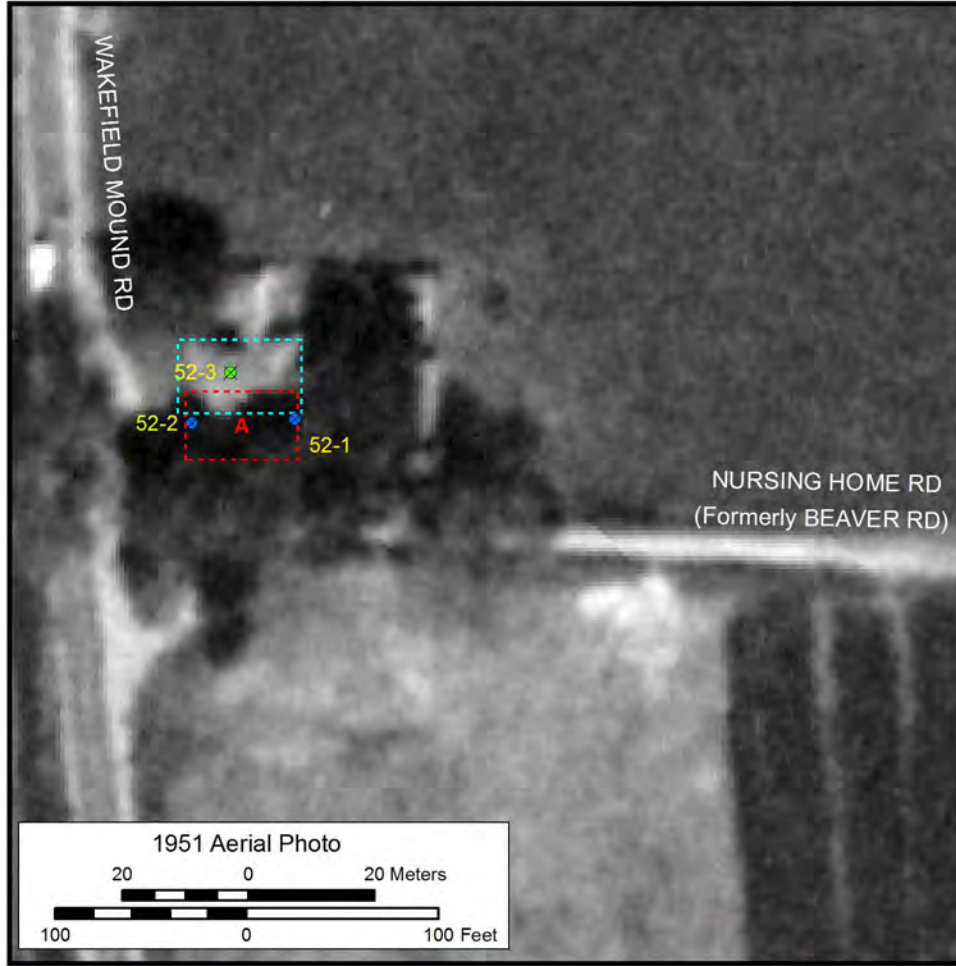
Historical Site #47 Shown on 1939, 1951, and 2007 Aerial Photos, and on the 1905 Oil & Gas Map of Scioto Township



Historical Site #48 Shown on 1939, 1951, and 2007 Aerial Photos, and on the 1905 Oil & Gas Map of Scioto Township

GRAY & PAPE, INC.
ARCHAEOLOGY · HISTORY · HISTORIC PRESERVATION

Figure 12



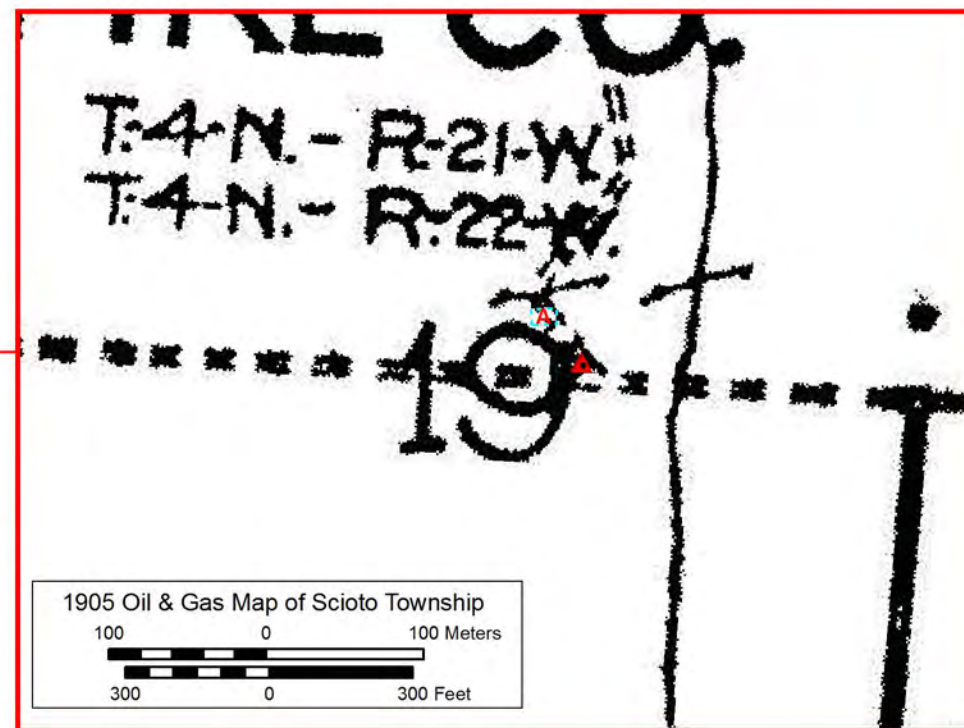
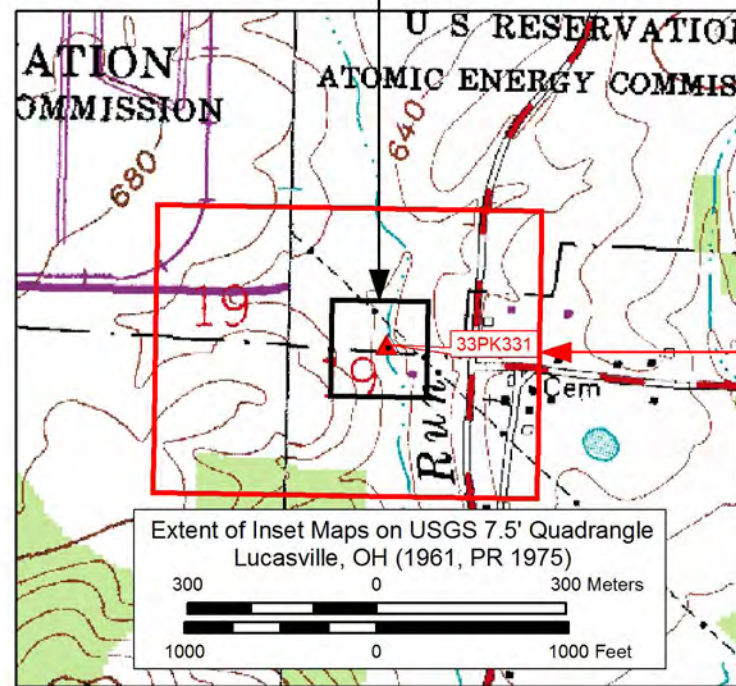
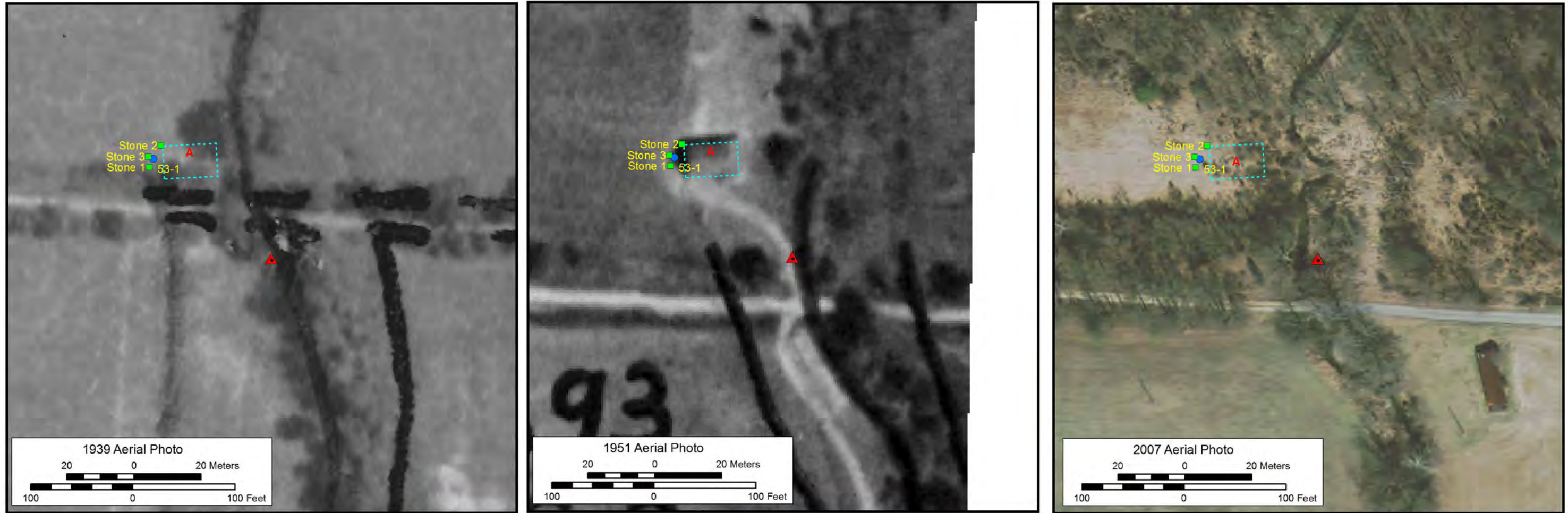
LEGEND

- ▲ Selected Sites - UTM Location
- Possible Building Footprints (Based on Historical Aerials)
 - 1938 (Red dashed box)
 - 1939 (Yellow dashed box)
 - 1951 (Blue dashed box)
- Shovel Tests:
 - Normal Soils: ○ (White circle)
 - Disturbed Soils: ⊗ (Black circle with cross)
 - Negative: ○ (Blue circle)
 - Historic Materials: ● (Blue circle)
 - Prehistoric and Historic Materials: ● (Green circle)
- Cultural Elements:
 - Feature: — (Green line)
 - Road: — (Yellow line)
 - Depression: — (Brown line)
 - Surface Find, Historical: ■ (Green square)

Historical Site 33PK330 Shown on 1938, 1951, and 2007 Aerial Photos, and on the 1905 Oil & Gas Map of Scioto Township

The demolition zone is very dark and consists of bottle glass fragments, brick fragments, charcoal, rusted metal fragments, clinkers and other broken rock (probably foundation stones). These materials were not collected. The depth of the demolition zone is unknown and extends deeper than 30.4 cm (12 in.). Additional Phase I investigations are recommended for this area to further assess the archaeological potential of this resource.

Site 33PK331 (Historical Site #53) – Site 33PK331 is located at the southern edge of the PORTS Facility and is found just north of the PORTS boundary (Figures 1 and 14; Table 1). This historical site likely represents a barn dating to the late 1940s or early 1950s associated with a structure located on the 1952 TVA map. The possible barn is not visible or illustrated on any of the historical maps used for this study (Figure 14). Today, the site is found in an area covered with scrub brush, weedy growth, and grass within a transmission line corridor. Pedestrian reconnaissance identified foundation remnants consisting of poured concrete and concrete blocks. Three foundation remnants were identified. Excavation of a shovel test resulted in the recovery of two wire nails and a single piece of clear glass (not collected). An old road bed was noted south of the foundation stones leading to a nearby drainage. Because this site represents the remnants of a relatively recent barn (late 1940s to early 1950s), it is unlikely to provide any information concerning early farmsteads or homesteads in the region. Thus, no further archaeological investigations are recommended.



LEGEND

- ▲ Selected Sites - UTM Location
- Possible Building Footprints (Based on Historical Aerials)
 - 1938
 - 1939
 - 1951
- Cultural Elements
 - Feature
 - Road
 - Depression
 - Surface Find, Historical
- Shovel Tests:
 - Normal Soils
 - Disturbed Soils
 - Negative
 - Historic Materials
 - Prehistoric and Historic Materials

Historical Site 33PK331 Shown on 1939, 1951, and 2007 Aerial Photos, and on the 1905 Oil & Gas Map of Scioto Township

4.0 CONCLUSIONS

Under contract with Fluor B&W, on behalf of the United States Department of Energy, Gray & Pape conducted an archaeological reconnaissance of 13 historic sites on the PORTS Facility, Pike County, Ohio. The purpose of the archaeological reconnaissance was to determine if there was any archaeological evidence associated with the historical sites and whether additional Phase I investigations were necessary.

Gray & Pape was responsible for locating Historical Sites 25, 26, 27, 28, 29, 33, 36, 37, 45, 47, 48, 52, and 53. Archaeological evidence was identified at Historical Sites 25, 27, 28, 36, 37, 52, and 53; and were recorded as sites 33PK325, 33PK326, 33PK327, 33PK328, 33PK329, 33PK330, and 33PK331, respectfully. Historical Site #33 represents a schoolhouse, which is still standing outside the PORTS Facility boundary. Archaeological evidence is rather limited at Sites 333PK325 and 33PK328 and is probably in disturbed contexts. No archaeological evidence was found at Historical Sites 26, 29, 45, 47, and 48; however, a well was found at Site 33PK329. These sites were destroyed by earthmoving activities associated with the PORTS Facility, including the construction of Perimeter Road, landing strips, or utility corridors. No archaeological evidence was found at the location of Historical Site #45, which is puzzling based on the lack of any visible earthmoving or disturbances in this area. A Phase I archaeological survey is recommended here. A Phase I archaeological survey also is recommended for Sites 33PK326, 33PK327, and 33PK330 to further assess their archaeological potential.

5.0 REFERENCES CITED

Burks, Jarrod

2011 *Additional Farmsteads and Buildings at PORTS Not Documented During the Initial Phase I Archaeological Survey*. Prepared by Ohio Valley Archaeology, Inc. for Restoration Services, Inc. Report on file at the PORTS Facility.

Schweikart, John F., Kevin Coleman, and Flora Church

1997 *Phase I Archaeological Survey for the Portsmouth Gaseous Diffusion Plant (PORTS Facility) in Scioto and Seals Townships, Pike County, Ohio*. Report submitted to Lockheed Martin Energy Systems, Inc. by ASC Group, Inc.

APPENDIX A
SITE FORMS



OHIO ARCHAEOLOGICAL INVENTORY

*Response required for acceptance of form

for official use only

Coder _____
Date _____

A. Identification

- *1. Type of Form (select as many as appropriate):
 New Form Revised Form Transcribed Data
- 2. County Pike *3. Trinomial State Site Number 33- PK 331
- 4. Site Name(s) _____
- 5. Project Site Number 53
- 6. Other State Site Number _____
- 7. Source (of Item A.5. and/or A.6.) _____

B. Location

- *1. UTM Zone 16 or 17
 Easting 326974 Northing 43179890
- 2. Latitude _____ Longitude _____
- *3. Township 4N Range 21W Not Applicable _____
 Section 19 1/4 Section: SW SE NW NE
 Township Name Scioto
- *4. Quadrangle Name Lucasville, OH 1 9 _____
- *5. Quadrangle Date 1961, 1975
- *6. Confident of Site Location Yes No

C. Ownership

- *1. Name(s) United States Department of Energy
 Address _____
 City/Town, State, Zip Piquette, OH 45661
 Phone () _____
- 2. Tenant (if any) _____
 Address _____
 City/Town, State, Zip _____
 Phone () _____
- *3. Ownership Status (select only one, as appropriate):
 Private (single) Private (multiple) Local Govt.
 State Govt. Federal Govt. Multiple Govt.
 Mixed-Govt./Private Unknown

D. Temporal Affiliations

- *1. Affiliations Present (select only one, as appropriate):
 Prehistoric Historic Prehistoric and Historic
 Unknown Unrecorded

Site No. 33-
Plotted

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Prehistoric

*2. Prehistoric Temporal Period(s) Represented (select as many as appropriate)

Unassigned Prehistoric Paleoindian _____

Archaic: Unassigned Early Middle Late _____

Woodland: Unassigned Early Middle Late _____

Late Prehistoric Protohistoric Other (specify) _____

*3. Minimum Number of Prehistoric Temporal Periods Represented _____

*4. Basis for Assignment of Prehistoric Temporal Period(s) (select as many as appropriate):

Diagnostic Artifacts Diagnostic Features Radiometric _____

Unrecorded Other (specify) _____

5. Prehistoric Cultural Component(s) Represented (see manual):

a. _____

b. _____

c. _____

d. _____

e. _____

f. _____

6. Describe how Prehistoric Temporal Period(s) and Cultural Component(s) were determined (list diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features please specify Prehistoric Cultural Component(s) by using letter designations from Item D.5.

Researcher _____

*7. Categories of Prehistoric Materials Present at Site (select as many as appropriate)

Lithics Ceramics Metal Faunal Remains Floral Remains _____

Human Skeletal Remains Unrecorded Other (specify) _____

8. Specific Prehistoric Cultural Materials Collected:

Type	Count	Type	Count
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Historic

*9. Affiliation Present (select only one, as appropriate):

Aboriginal Non-Aboriginal Both Undetermined _____

*10. Historic Temporal Period(s) Represented (select as many as appropriate):

a. Pre-1795 b. 1796-1829 c. 1830-1849 _____

d. 1850-1879 e. 1880-1899 f. 1900-1929 _____

g. 1930-1949 h. 1950-1974 i. 1975-2000 _____

j. Historic k. 18th Century l. 19th Century _____

m. 20th Century n. Historic Aboriginal _____

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*11. Minimum Number of Historic Temporal Periods Represented 1

*12. Basis for Assignment of Historic Temporal Period(s) (select as many as appropriate):
 Diagnostic Artifacts Diagnostic Architectural Remains
 Diagnostic Features Documentary Evidence Oral Tradition
 Unrecorded Other (specify) _____

13. Describe how Historic Temporal Period(s) were determined (list any diagnostic architectural remains, diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features specify Historic Temporal Period(s) by using letter designations from Item D.10.

Site is a barn or other type of
outbuilding shown on 1952 TVA topographic
map

Researcher _____

*14. Functional Categories of Historic Materials Present at Site (select as many as appropriate):
 Kitchen Furniture Personal
 Toys & Games Printed Matter Religious/Ceremonial
 Military Weapons Transportation
 Architectural Misc. Hardware Const./Manufacturing Tools
 Agricultural Fuel/Energy Food Remains
 Clothing Unrecorded Unknown
Other (specify) _____

15. Specific Historic Cultural Materials Collected:

Type	Count	Type	Count

General

16. Describe Prehistoric and/or Historic Cultural Materials observed but not collected. State reason(s) for not collecting.

Two wire nails and 1 fragment
of bottle glass - Not in scope of work to
collect artifacts

17. Affiliated Ohio Historic Inventory Site Number and Name:

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E. Physical Description

*1. Archaeological Setting (select only one, as appropriate):

- Rockshelter/Cave
- Open
- Unrecorded
- Unknown
- Submerged
- Other (specify) _____

*2. Prehistoric Site (select as many as appropriate):

- Habitation: Camp Village Hamlet Unspecified Habitation
- Extractive: Quarry Workshop
- Ceremonial: Unspecified Mound Earth Mound Stone Mound
- Effigy Mound Mound Group Hilltop Enclosure
- Geometrical Earthwork Cemetery Isolated Burial(s)
- Petroglyph/Pictograph
- Other: Unknown Unrecorded Other (specify) _____

*3. Historic Site Type (select as many as appropriate):

- Residential Commercial Social Government
- Religious Educational Mortuary Recreation
- Subsistence Industrial Health Care Military
- Transportation Unrecorded Unknown
- Other (specify) _____

4. State the bases on which site type assignment(s) were made.

Site is likely an outbuilding or barn associated with a residence located south of site -

*5. Site Condition (select only one, as appropriate):

- Undisturbed
- Disturbed - Extent Unknown
- Fully Disturbed
- Destroyed
- Unrecorded
- Unknown

*6. Dominant Agent(s) of Disturbance (select as many as appropriate):

- None Apparent Agriculture Historic Construction Water
- Transportation Archaeological Excavation Mining Vandalism
- Unrecorded Other (specify) _____

7. Nature of Disturbance/Destruction:

Site is found within a transmission line corridor -

*8. Current Dominant Land Use (see manual):

Industrial

9. Land Use History:

Land was initially farmland until purchased by Atomic Energy Commission in the 1950s.

*10. Site Elevation 187.5 Meters A.M.S.L. (elevation to be taken from UTM point)

*11. Physiographic Setting of Site (select only one, as appropriate):

- Lake Plain Lexington Peneplain Unglaciaded Plateau
- Till Plain Glaciaded Plateau Unrecorded

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*12. Glacial Geomorphology (select only one, as appropriate):

- Not Applicable _____ Wisconsin End/Lateral Moraine _____
- _____ Kansan Ground Moraine _____ Wisconsin Kame/Kettle/Esler/Drumlin _____
- _____ Illinoian Ground Moraine _____ Wisconsin Lacustrine Deposit _____
- _____ Illinoian Outwash _____ Post Wisconsin Lacustrine Deposit _____
- _____ Wisconsin Ground Moraine _____ Wisconsin Outwash _____
- _____ Unrecorded _____ Other (specify) _____

*13. Regional Geomorphological Setting (select only one, as appropriate):

- _____ Stream Valley _____ Upland Hill Slope _____ Beach Ridge _____
- Hill or Ridge Top _____ Lake Plains Interfluvial Zone _____ Unrecorded _____

*14. Local Environmental Setting (select only one, as appropriate):

- Terrace: _____ Unknown _____ T-1 _____ T-2 _____ T-3 _____ T-4 _____
- _____ Beach Ridge _____ Terrace Remnant _____ Natural Levee _____ Floodplain _____
- _____ Low Rise on Floodplain _____ Alluvium _____ Island _____ Kame _____ Drumlin _____
- _____ Esker _____ Moraine _____ Glacial Hummock _____ Wetland Hummock _____
- _____ Bluff _____ Bluff Base _____ Bluff Edge _____ Saddle Hill or Ridge Top _____
- _____ Closed Depression _____ Unrecorded _____ Other (specify) _____

*15. Soils:

Soil Association Shelton - Latham

Soil Series-Phase/Complex Coolville silt loam (C.COB)

Reference Hendryshot, Robert L. 1990 "Soil Survey of Pike County, Ohio"

*16. Down Slope Direction (select only one, as appropriate):

- N _____ NW _____ NE _____ E _____ All _____ Flat _____
- S _____ SW _____ SE _____ W _____ Unrecorded _____

*17. Slope Gradient (percent) 1-8% Unrecorded _____

*18. Drainage System (see manual):

Major Drainage Ohio River

Minor Drainage Scioto River

*19. Closest Water Source (select only one, as appropriate):

- Name: Big Run
- Permanent Stream _____ Lake/Pond _____ Ephemeral Stream _____
 - _____ Permanent Spring _____ Swamp/Bog _____ Intermittent Spring/Seep _____
 - _____ Slough/Oxbow Lake _____ Artificial Lake/Pond (historic sites only) _____
 - _____ Artificial Stream/Ditch (historic sites only) _____ Unrecorded _____
 - _____ Other (specify) _____

*20. Horizontal Distance to Closest Water Source 50 (meters from UTM point)

21. Elevation Above Closest Water Source _____ (meters A.M.S.L. from UTM point)

F. Reporting Information

*1. Investigation Type (select as many as appropriate):

- _____ Reported _____ Examination of Collection _____ Surface Collection _____
- _____ Auger/Soil Corer Shovel Test(s) _____ Test Pit(s) _____ Test Trench(es) _____
- _____ Deep Test(s) _____ PZ or Humus Removal _____ Testing/Excav. (strategy unknown) _____
- _____ Mitigation/Block Excavation Aerial Photograph _____
- _____ Remote Sensing (specify) _____
- _____ Chemical Analysis (specify) _____
- _____ Unrecorded _____ Other (specify) _____

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*2. Surface Collection Strategy (select as many as appropriate):

- Not Applicable Grab Sample Diagnostics
- Controlled-Unknown Controlled-Total
- Controlled-Sample Unrecorded
- Other (specify) _____

3. If surface collection strategy is Controlled-Total, Controlled-Sample, or Other, describe methodology and percentage.

4. Surface Visibility (select only one, as appropriate):

- None Less than 10% 11-50%
- 51-90% 91-100% Unrecorded

5. Describe surface conditions.

covered in scrub growth, weeds, and grass

*6. Site Area (square meters) 6

Unrecorded

*7. Basis for Site Area Estimate (select only one, as appropriate):

- GuesSED Historic Maps Aerial Photograph Paced
- Taped Transit/Alidade Range Finder Unrecorded
- Other (specify) entire site boundaries unknown

*8. Confident of Site Boundaries: No Yes Unrecorded

9. Estimated Percentage of Site Excavated Unrecorded Unknown

*10. Name of Form Preparer PATRICK D. TRAPEL

*11. Institution Gray & Pope, Inc.

*12. Date of Form (year/month) 2011 / August

2 0 /

*13. Field Date (year/month) 2011 / July

2 0 /

14. Time Spent at Site 2.5 hours

15. Weather Conditions hot & sunny

16. Name(s), Address(es), Phone Number(s) of Local Informants

N/A

*17. Artifact Repository (ies) N/A

18. Name(s), Address(es), Phone Number(s) of Owners of Collections From Site (attach inventories of private collections).

N/A

for official use only

19. Photographs (select as many as appropriate): N/A
No. of Slides _____ No. of Prints _____
Aerials: _____ Black/White _____ Color _____ Infrared

20. Name and Address of Institution Where Photos Are Filed (include photo log number if available)
N/A

*21. National Register Status (select only one, as appropriate): Not Assessed
____ National Register Property† _____
____ Determined Eligible for National Register† _____
____ National Register Status Not Assessed _____
____ Removed from National Register† _____
____ Determined Not Eligible† _____
†Determination made by Keeper of the National Register (date) _____

22. State Registry Status (select only one, as appropriate)
____ State Registry Listed† _____
 Not Assessed for State Registry _____
____ Removed from State Registry† _____
____ Determined Not Eligible† _____
†Determination made by Ohio Historical Society (date) _____

23. Discuss the potential significance of the site (does it meet National Register and/or State Registry criteria of significance in your opinion? Why or why not? Upon what evidence have you based your opinion?)

Site identified through pedestrian reconnaissance - field methods insufficient to assess National Register eligibility of site.

*24. Special Status (select only one, as appropriate):
____ None _____ Wilderness Area _____ Wildlife Preserve _____
____ Park _____ Scenic River _____ Nature Preserve _____
____ Forest _____ Military Installation _____ Archaeological Preserve _____
____ Archaeological District _____ Unknown _____
____ Other (specify) _____

for official use only

***G. References** - List Primary Documentary References (see manual):

1. 1952 re-construction to topographic map prepared
by the Tennessee Valley Authority maps and survey
Branch
2. 1952 United States Soil Conservation Service Aerial
Photographs.
3. _____

H. Radiometric Dates

1. Material(s) Dated _____
Date (uncorrected C14 years) _____
Laboratory _____
Sample # _____
Reference(s) _____
2. Material(s) Dated _____
Date (uncorrected C14 years) _____
Laboratory _____
Sample # _____
Reference(s) _____
3. Additional Radiometric Dates Yes _____ No _____
(use Continuation Section to list other dates)

I. Description of Site

1. State physical description of the site and its setting, including dimensions, features (with measurements), nature and location of artifacts and concentrations, extent and location of disturbances, etc. Site is found in an open area on a ridge top overlooking Big Run
in a transmission line corridor. An abandoned access road leads from
Big Run to site. Site consists of 3 concrete foundation footings on north
edge of an old outbuilding or barn footprint (Based on 1950s map and
aerial photographs) The southern edge of site is unknown; therefore, total
dimensions are unknown. Barn/outbuilding was likely razed sometime
after property was obtained by the Atomic Energy Commission in the
1950s. Disturbance included construction associated with a
transmission line corridor.

*2. Discuss the relationship between the site and other known sites in the area in terms of location, physical characteristics, size, etc.

A number of farmsteads and historic sites are found nearby based on 1905 oil and Gas Map and 1952 TVA topographic Map. A residence/farmstead is located south of site and is likely associated with it.

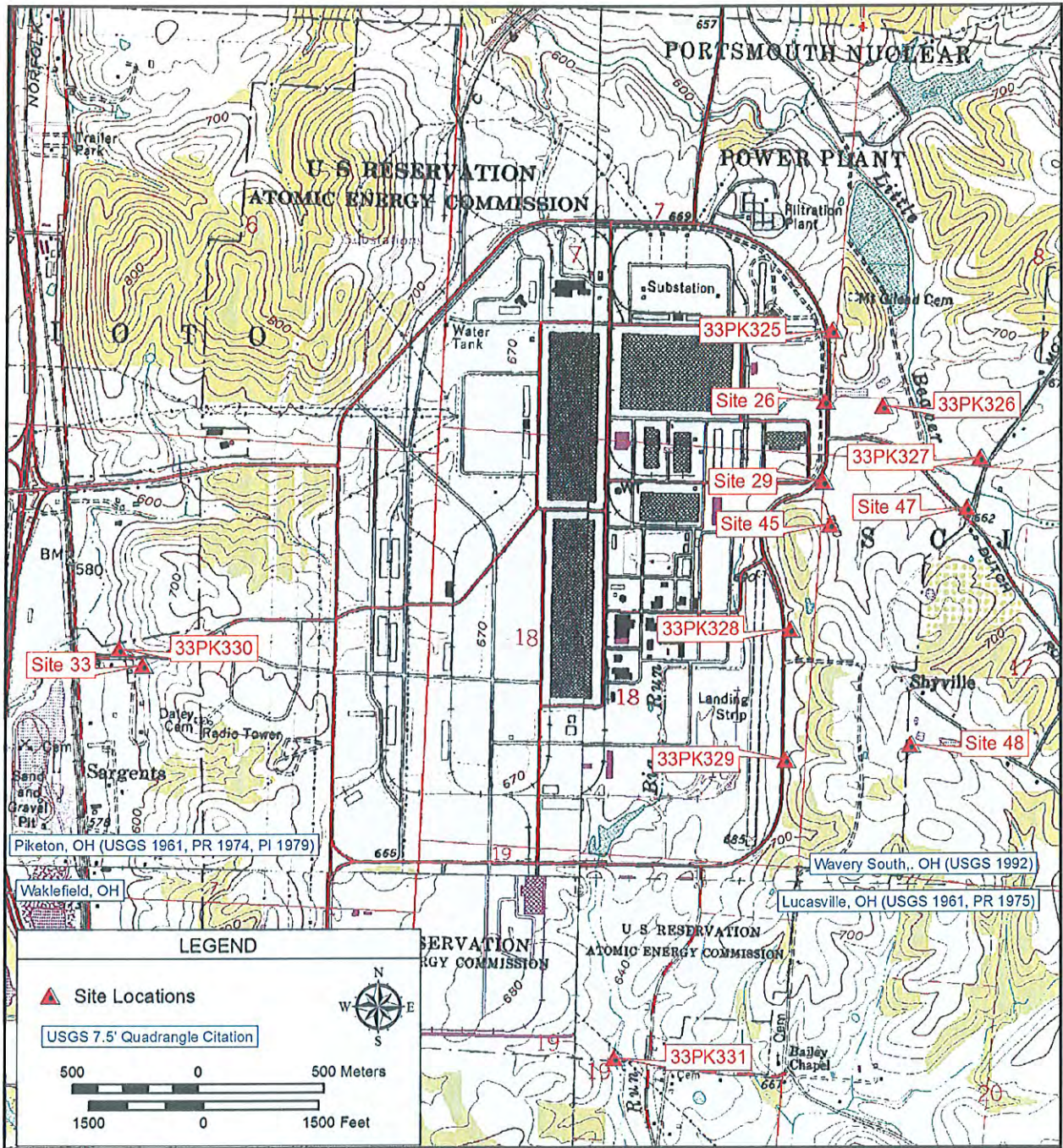
J. Continuation Section: Specify Section & Item (use additional Continuation Sheet(s) if necessary)

***K. Sketch Map or Copy of Project Map of Site**

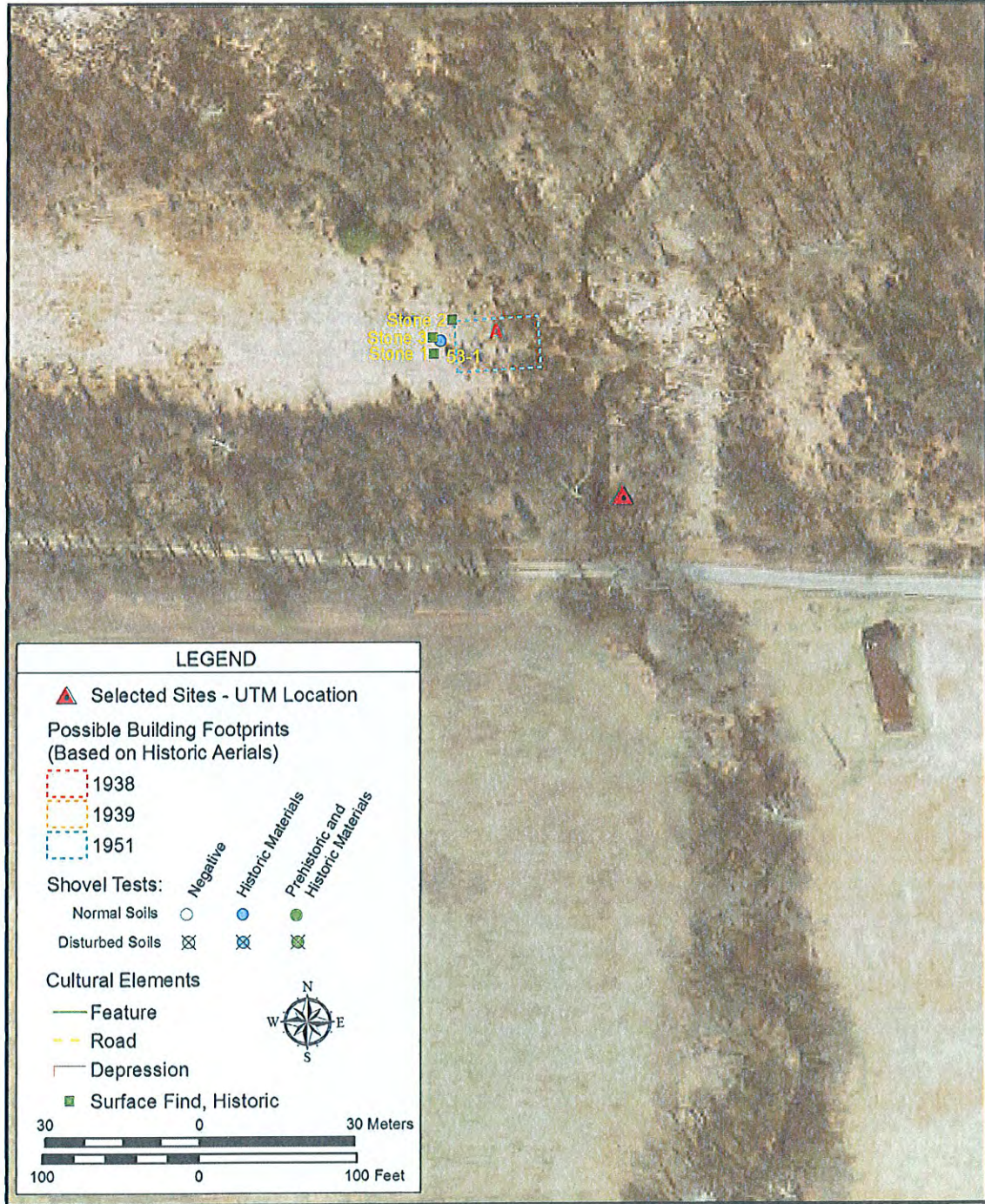
Include north arrow and scale. Attach a Xeroxed section of the appropriate U.S.G.S. quadrangle on a separate sheet. Outline total area surveyed and include locations of all identified sites on the Xero of the quadrangle.

See Attached

*Site Location Permanent Feature	Distance (m)	Direction/Bearing from Site to Terrain Feature



Gray & Pape Project No. 11-63201: PORTS,
Location of Sites 33PK325, 33PK326, 33PK327, 33PK328,
33PK329, 33PK330, and 33PK331, and
Project Sites 26, 29, 33, 45, 47, and 48, in
Scioto Township, Pike County, Ohio



2007 Aerial Photo Showing
Resource 33PK331



OHIO ARCHAEOLOGICAL INVENTORY

*Response required for acceptance of form

for official use only

Coder _____

Date _____

A. Identification

*1. Type of Form (select as many as appropriate):

New Form Revised Form Transcribed Data

2. County Pike *3. Trinomial State Site Number 33- pk 330

4. Site Name(s) Waterfield Mound Church

5. Project Site Number 52

6. Other State Site Number _____

7. Source (of Item A.5. and/or A.6.) _____

B. Location

*1. UTM Zone 16 or 17
Easting 324839 0
Northing 4319588 0

2. Latitude _____
Longitude _____

*3. Township 4N Range 22W Not Applicable _____
Section 7 1/4 Section: SW SE _____ NW NE

Township Name Scioto

*4. Quadrangle Name Pikeston, OH 1 9 _____

*5. Quadrangle Date 1961, 1974, 1979

*6. Confident of Site Location Yes _____ No

C. Ownership

*1. Name(s) United States Department of Energy

Address _____

City/Town, State, Zip Pikeston, OH 45667

Phone (____) _____

2. Tenant (if any) _____

Address _____

City/Town, State, Zip _____

Phone (____) _____

*3. Ownership Status (select only one, as appropriate):

____ Private (single) Private (multiple) Local Govt. _____

____ State Govt. Federal Govt. Multiple Govt. _____

____ Mixed-Govt./Private Unknown _____

D. Temporal Affiliations

*1. Affiliations Present (select only one, as appropriate):

____ Prehistoric Historic Prehistoric and Historic _____

____ Unknown Unrecorded _____

Site No. 33-
Plotted

for official use only

Prehistoric

*2. Prehistoric Temporal Period(s) Represented (select as many as appropriate)

Unassigned Prehistoric Paleoindian _____

Archaic: Unassigned Early Middle Late _____

Woodland: Unassigned Early Middle Late _____

Late Prehistoric Protohistoric Other (specify) _____

*3. Minimum Number of Prehistoric Temporal Periods Represented _____

*4. Basis for Assignment of Prehistoric Temporal Period(s) (select as many as appropriate):

Diagnostic Artifacts Diagnostic Features Radiometric _____

Unrecorded Other (specify) _____

5. Prehistoric Cultural Component(s) Represented (see manual):

a. _____

b. _____

c. _____

d. _____

e. _____

f. _____

6. Describe how Prehistoric Temporal Period(s) and Cultural Component(s) were determined (list diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features please specify Prehistoric Cultural Component(s) by using letter designations from Item D.5.

Researcher _____

*7. Categories of Prehistoric Materials Present at Site (select as many as appropriate)

Lithics Ceramics Metal Faunal Remains Floral Remains _____

Human Skeletal Remains Unrecorded Other (specify) _____

8. Specific Prehistoric Cultural Materials Collected:

Type	Count	Type	Count
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Historic

*9. Affiliation Present (select only one, as appropriate):

Aboriginal Non-Aboriginal Both Undetermined

*10. Historic Temporal Period(s) Represented (select as many as appropriate):

a. Pre-1795 b. 1796-1829 c. 1830-1849 _____

d. 1850-1879 e. 1880-1899 f. 1900-1929 _____

g. 1930-1949 h. 1950-1974 i. 1975-2000 _____

j. Historic k. 18th Century l. 19th Century _____

m. 20th Century n. Historic Aboriginal _____

for official use only

3

11. Minimum Number of Historic Temporal Periods Represented _____

12. Basis for Assignment of Historic Temporal Period(s) (select as many as appropriate):

- Diagnostic Artifacts Diagnostic Architectural Remains
- Diagnostic Features Documentary Evidence Oral Tradition
- Unrecorded Other (specify) _____

13. Describe how Historic Temporal Period(s) were determined (list any diagnostic architectural remains, diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features specify Historic Temporal Period(s) by using letter designations from Item D.10.

Temporal periods were based on presence of Church on 1905 oil & gas map, and on 1939 aerial photographs.

Researcher _____

14. Functional Categories of Historic Materials Present at Site (select as many as appropriate):

- Kitchen Furniture Personal
- Toys & Games Printed Matter Religious/Ceremonial
- Military Weapons Transportation
- Architectural Misc. Hardware Const./Manufacturing Tools
- Agricultural Fuel/Energy Food Remains
- Clothing Unrecorded Unknown
- Other (specify) _____

15. Specific Historic Cultural Materials Collected:

Type	Count	Type	Count

General

16. Describe Prehistoric and/or Historic Cultural Materials observed but not collected. State reason(s) for not collecting.

Artifacts observed included brick fragments, foundation fragments, cinder & slag, misc. metal fragments - bottle glass.

17. Affiliated Ohio Historic Inventory Site Number and Name:

for official use only

E. Physical Description

*1. Archaeological Setting (select only one, as appropriate):

- Rockshelter/Cave
- Open
- Unrecorded
- Unknown
- Submerged
- Other (specify) _____

*2. Prehistoric Site (select as many as appropriate):

- Habitation: Camp Village Hamlet Unspecified Habitation
- Extractive: Quarry Workshop
- Ceremonial: Unspecified Mound Earth Mound Stone Mound
- Effigy Mound Mound Group Hilltop Enclosure
- Geometrical Earthwork Cemetery Isolated Burial(s)
- Petroglyph/Pictograph
- Other: Unknown Unrecorded Other (specify) _____

*3. Historic Site Type (select as many as appropriate):

- Residential Commercial Social Government
- Religious Educational Mortuary Recreation
- Subsistence Industrial Health Care Military
- Transportation Unrecorded Unknown
- Other (specify) _____

4. State the bases on which site type assignment(s) were made.

Site is illustrated as a church on 1905 Oil & gas map.

*5. Site Condition (select only one, as appropriate):

- Undisturbed
- Disturbed - Extent Unknown
- Fully Disturbed
- Destroyed
- Unrecorded
- Unknown

*6. Dominant Agent(s) of Disturbance (select as many as appropriate):

- None Apparent Agriculture Historic Construction Water
- Transportation Archaeological Excavation Mining Vandalism
- Unrecorded
- Other (specify) *possible demolition*

7. Nature of Disturbance/Destruction:

Church demolished & razed in 1950s.

*8. Current Dominant Land Use (see manual):

Industrial.

9. Land Use History:

Site a church on 1905 Oil & Gas Map and on 1939 aerial photographs.

*10. Site Elevation 213 Meters A.M.S.L. (elevation to be taken from UTM point)

*11. Physiographic Setting of Site (select only one, as appropriate):

- Lake Plain Lexington Penplain Unglaciaded Plateau
- Till Plain Glaciaded Plateau Unrecorded

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*12. Glacial Geomorphology (select only one, as appropriate):

- Not Applicable
- Kansan Ground Moraine
- Illinoian Ground Moraine
- Illinoian Outwash
- Wisconsin Ground Moraine
- Unrecorded
- Wisconsin End/Lateral Moraine
- Wisconsin Kame/Kettle/Esker/Drumlin
- Wisconsin Lacustrine Deposit
- Post Wisconsin Lacustrine Deposit
- Wisconsin Outwash
- Other (specify) _____

*13. Regional Geomorphological Setting (select only one, as appropriate):

- Stream Valley
- Hill or Ridge Top
- Upland Hill Slope
- Lake Plains Interfluvial Zone
- Beach Ridge
- Unrecorded

*14. Local Environmental Setting (select only one, as appropriate):

- Terrace: Unknown T-1 T-2 T-3 T-4
- Beach Ridge
 - Low Rise on Floodplain
 - Esker
 - Bluff
 - Closed Depression
 - Terrace Remnant
 - Alluvium
 - Moraine
 - Bluff Base
 - Unrecorded
 - Natural Levee
 - Island
 - Glacial Hummock
 - Bluff Edge
 - Other (specify) _____
 - Floodplain
 - Kame
 - Wetland Hummock
 - Hill or Ridge Top
 - Drumlin

*15. Soils:

Soil Association OMULGA

Soil Series-Phase/Complex FoB - Fox Loam

Reference Henderson, Robert L. 1990 "Soil Survey of Pike County, Ohio"

*16. Down Slope Direction (select only one, as appropriate):

- N
- NW
- NE
- E
- All
- Flat
- S
- SW
- SE
- W
- Unrecorded

*17. Slope Gradient (percent) 0.2% Unrecorded _____

*18. Drainage System (see manual):

Major Drainage Ohio River

Minor Drainage Scioto River

*19. Closest Water Source (select only one, as appropriate):

Name: Unnamed Tributary of Scioto River

- Permanent Stream
- Permanent Spring
- Slough/Oxbow Lake
- Artificial Stream/Ditch (historic sites only)
- Other (specify) _____
- Lake/Pond
- Swamp/Bog
- Artificial Lake/Pond (historic sites only)
- Unrecorded
- Ephemeral Stream
- Intermittent Spring/Seep

*20. Horizontal Distance to Closest Water Source 185 (meters from UTM point)

21. Elevation Above Closest Water Source _____ (meters A.M.S.L. from UTM point)

F. Reporting Information

*1. Investigation Type (select as many as appropriate):

- Reported
- Auger/Soil Corer
- Deep Test(s)
- Mitigation/Block Excavation
- Remote Sensing (specify) _____
- Chemical Analysis (specify) _____
- Unrecorded
- Examination of Collection
- Shovel Test(s)
- PZ or Humus Removal
- Aerial Photograph
- Surface Collection
- Test Pit(s)
- Testing/Excav. (strategy unknown)
- Test Trench(es)
- Other (specify) _____

for official use only

*2. Surface Collection Strategy (select as many as appropriate):

- Not Applicable Grab Sample Diagnostics
- Controlled-Unknown Controlled-Total
- Controlled-Sample Unrecorded
- Other (specify) _____

3. If surface collection strategy is Controlled-Total, Controlled-Sample, or Other, describe methodology and percentage.

4. Surface Visibility (select only one, as appropriate):

- None Less than 10% 11-50%
- 51-90% 91-100% Unrecorded

5. Describe surface conditions.

Site found in grassy area used as transmission line corridor

*6. Site Area (square meters)

Unrecorded

*7. Basis for Site Area Estimate (select only one, as appropriate):

- GuesSED Historic Maps Aerial Photograph Paced
- Taped Transit/Alidade Range Finder Unrecorded
- Other (specify) _____

*8. Confidence of Site Boundaries: No Yes Unrecorded

9. Estimated Percentage of Site Excavated Unrecorded Unknown

*10. Name of Form Preparer PATRICK D. TRADER

*11. Institution GRAY & PAPE

*12. Date of Form (year/month) 2011 / August

2 0 1

*13. Field Date (year/month) 2011 / July

2 0 1

14. Time Spent at Site 2 hours

15. Weather Conditions SUNNY, hot

16. Name(s), Address(es), Phone Number(s) of Local Informants

N/A

*17. Artifact Repository (ies)

N/A

18. Name(s), Address(es), Phone Number(s) of Owners of Collections From Site (attach inventories of private collections).

N/A

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19. Photographs (select as many as appropriate): N/A
No. of Slides _____ No. of Prints _____
Aerials: _____ Black/White _____ Color _____ Infrared

20. Name and Address of Institution Where Photos Are Filed (include photo log number if available)

21. National Register Status (select only one, as appropriate): Not Assessed

- National Register Property†
- Determined Eligible for National Register†
- National Register Status Not Assessed
- Removed from National Register†
- Determined Not Eligible†

†Determination made by Keeper of the National Register (date) _____

22. State Registry Status (select only one, as appropriate)

- State Registry Listed†
- Not Assessed for State Registry
- Removed from State Registry†
- Determined Not Eligible†

†Determination made by Ohio Historical Society (date) _____

23. Discuss the potential significance of the site (does it meet National Register and/or State Registry criteria of significance in your opinion? Why or why not? Upon what evidence have you based your opinion?)

Site location found through archaeological reconnaissance and limited shovel testing - Not enough information was gathered to determine or assess eligibility of the site.

24. Special Status (select only one, as appropriate):

- None
- Park
- Forest
- Archaeological District
- Other (specify) _____
- Wilderness Area
- Scenic River
- Military Installation
- Wildlife Preserve
- Nature Preserve
- Archaeological Preserve
- Unknown

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***G. References** - List Primary Documentary References (see manual):

1. 1905 Oil & Gas Map, Scioto Township
2. 1939 United States Soil Conservation Service
Aerial Photograph.
3. _____

H. Radiometric Dates

1. Material(s) Dated _____
Date (uncorrected C14 years) _____
Laboratory _____
Sample # _____
Reference(s) _____
2. Material(s) Dated _____
Date (uncorrected C14 years) _____
Laboratory _____
Sample # _____
Reference(s) _____
3. Additional Radiometric Dates Yes No
(use Continuation Section to list other dates)

I. Description of Site

1. State physical description of the site and its setting, including dimensions, features (with measurements), nature and location of artifacts and concentrations, extent and location of disturbances, etc. Site 33 Pk 330 is found at intersecting Wakefield Mound Road and Nursing Home Road in an open field that is being used for a transmission line. Site is illustrated on 1905 oil & gas map as a church. It was probably razed or demolished sometime in 1950s when the property was obtained by the Atomic Energy Commission. Shovel testing revealed an A-Ct-Ab soil horizon. The soil cap overlies a sterile cap of clay found on top of a very thick zone of demolition debris composed of brick fragments, metal fragments, concrete and slag. Site size is unknown.

2. Discuss the relationship between the site and other known sites in the area in terms of location, physical characteristics, size, etc.

Site 33 PK 330 is found near an old school house and several other farmsteads/homestead and other historic sites found on 1905 oil & gas map. There are several other churches illustrated on map which served local farmers, and other residents in the region.

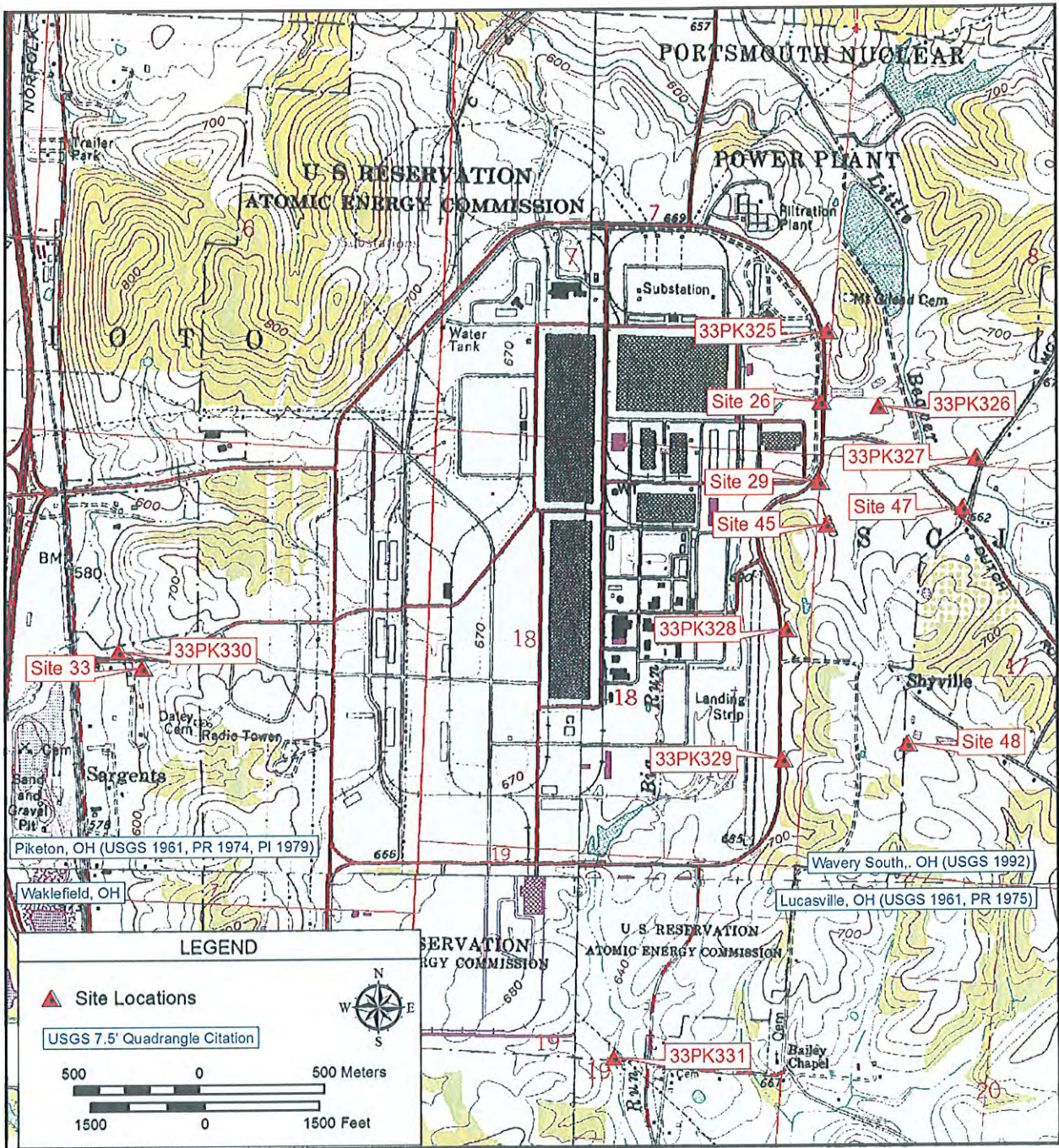
J. Continuation Section: Specify Section & Item (use additional Continuation Sheet(s) if necessary)

***K. Sketch Map or Copy of Project Map of Site**

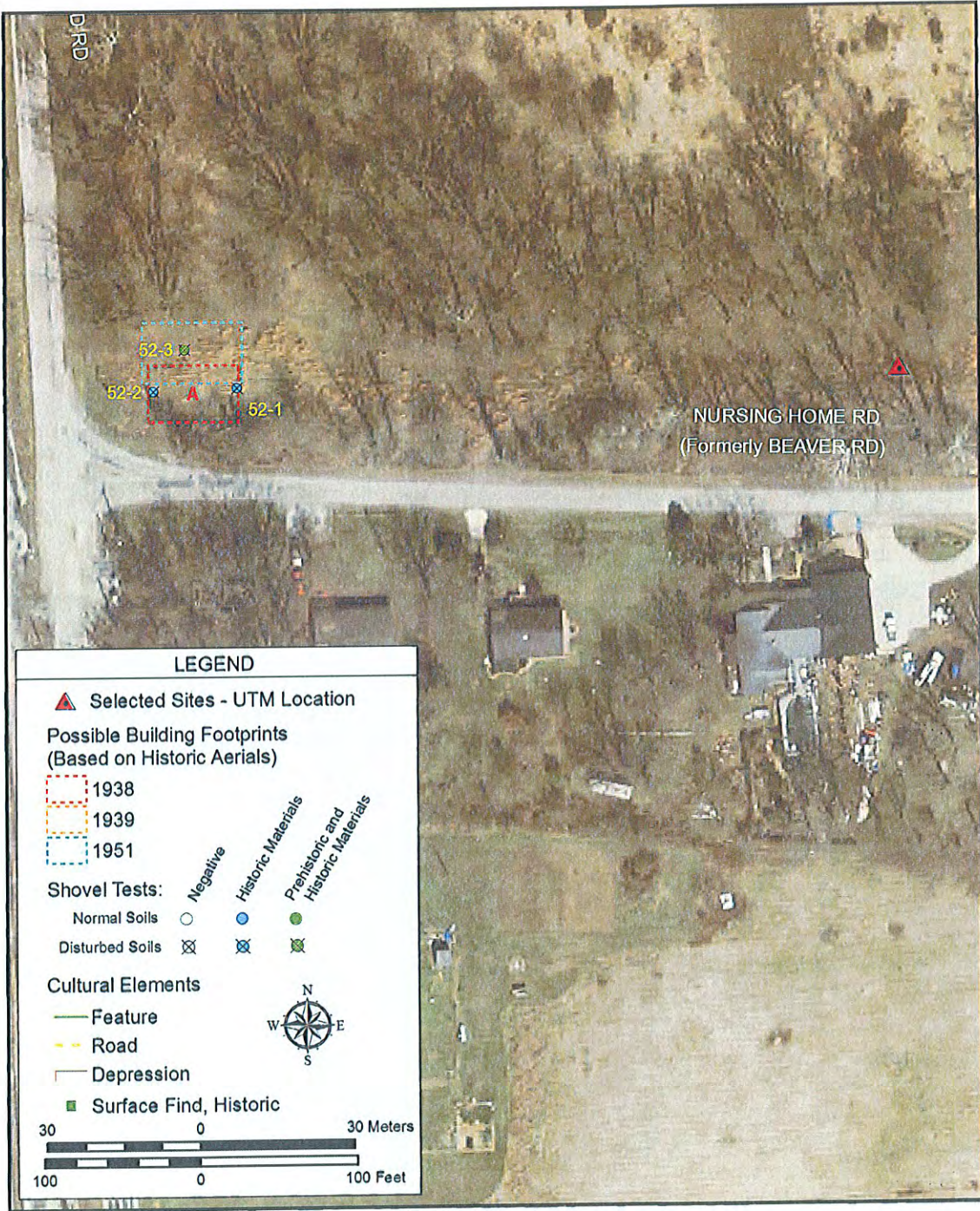
Include north arrow and scale. Attach a Xeroxed section of the appropriate U.S.G.S. quadrangle on a separate sheet. Outline total area surveyed and include locations of all identified sites on the Xero of the quadrangle.

See Attached

*Site Location Permanent Feature	Distance (m)	Direction/Bearing from Site to Terrain Feature
_____	_____	_____
_____	_____	_____
_____	_____	_____



Gray & Pape Project No. 11-63201: PORTS,
Location of Sites 33PK325, 33PK326, 33PK327, 33PK328,
33PK329, 33PK330, and 33PK331, and
Project Sites 26, 29, 33, 45, 47, and 48, in
Scioto Township, Pike County, Ohio



2007 Aerial Photo Showing Resource 33PK330



OHIO ARCHAEOLOGICAL INVENTORY

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*Response required for acceptance of form

Coder _____

Date _____

A. Identification

*1. Type of Form (select as many as appropriate):

New Form Revised Form Transcribed Data

2. County Pike *3. Trinomial State Site Number 33- pk 329

4. Site Name(s) Airstrip Site

5. Project Site Number 37

6. Other State Site Number _____

7. Source (of Item A.5. and/or A.6.) _____

B. Location

*1. UTM Zone 16 or 17
Easting 327558 0
Northing 4319100 0

2. Latitude _____
Longitude _____

*3. Township 4N Range 2W Not Applicable _____
Section 18 1/4 Section: SW SE _____ NW NE _____
Township Name Scioto

*4. Quadrangle Name Waverly South, OH 1 9 _____

*5. Quadrangle Date 1992

*6. Confident of Site Location Yes No

C. Ownership

*1. Name(s) United States Department of Energy
Address _____
City/Town, State, Zip Pikeston, OH 45661
Phone (____) _____

2. Tenant (if any) _____
Address _____
City/Town, State, Zip _____
Phone (____) _____

*3. Ownership Status (select only one, as appropriate):

Private (single) Private (multiple) Local Govt. _____
 State Govt. Federal Govt. Multiple Govt. _____
 Mixed-Govt./Private Unknown _____

D. Temporal Affiliations

*1. Affiliations Present (select only one, as appropriate):

Prehistoric Historic Prehistoric and Historic _____
 Unknown Unrecorded _____

Site No. 33-
Plotted

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Prehistoric

*2. Prehistoric Temporal Period(s) Represented (select as many as appropriate)

- Unassigned Prehistoric Paleoindian _____
- Archaic: Unassigned Early Middle Late _____
- Woodland: Unassigned Early Middle Late _____
- Late Prehistoric Protohistoric Other (specify) _____

*3. Minimum Number of Prehistoric Temporal Periods Represented _____

*4. Basis for Assignment of Prehistoric Temporal Period(s) (select as many as appropriate):

- Diagnostic Artifacts Diagnostic Features Radiometric _____
- Unrecorded Other (specify) _____

5. Prehistoric Cultural Component(s) Represented (see manual):

- a. _____
- b. _____
- c. _____
- d. _____
- e. _____
- f. _____

6. Describe how Prehistoric Temporal Period(s) and Cultural Component(s) were determined (list diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features please specify Prehistoric Cultural Component(s) by using letter designations from Item D.5.

Researcher _____

*7. Categories of Prehistoric Materials Present at Site (select as many as appropriate)

- Lithics Ceramics Metal Faunal Remains Floral Remains _____
- Human Skeletal Remains Unrecorded Other (specify) _____

8. Specific Prehistoric Cultural Materials Collected:

Type	Count	Type	Count
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Historic

*9. Affiliation Present (select only one, as appropriate):

- Aboriginal Non-Aboriginal Both Undetermined

*10. Historic Temporal Period(s) Represented (select as many as appropriate):

- a. Pre-1795 b. 1796-1829 c. 1830-1849 _____
- d. 1850-1879 e. 1880-1899 f. 1900-1929 _____
- g. 1930-1949 h. 1950-1974 i. 1975-2000 _____
- j. Historic k. 18th Century l. 19th Century _____
- m. 20th Century n. Historic Aboriginal _____

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*11. Minimum Number of Historic Temporal Periods Represented _____

*12. Basis for Assignment of Historic Temporal Period(s) (select as many as appropriate):

Diagnostic Artifacts _____ Diagnostic Architectural Remains _____

Diagnostic Features Documentary Evidence _____ Oral Tradition _____

Unrecorded _____ Other (specify) _____

13. Describe how Historic Temporal Period(s) were determined (list any diagnostic architectural remains, diagnostic artifacts and/or features: include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features specify Historic Temporal Period(s) by using letter designations from Item D.10.

Based on 1905 oil & Gas Map, Scioto Township, 1939 and 1952 U.S. Soil Conservation Service aerial photographs and 1952 Tennessee Valley Authority topographic map.

Researcher _____

*14. Functional Categories of Historic Materials Present at Site (select as many as appropriate):

Kitchen _____ Furniture _____ Personal _____

Toys & Games _____ Printed Matter _____ Religious/Ceremonial _____

Military _____ Weapons _____ Transportation _____

Architectural _____ Misc. Hardware _____ Const./Manufacturing Tools _____

Agricultural _____ Fuel/Energy _____ Food Remains _____

Clothing _____ Unrecorded _____ Unknown _____

Other (specify) _____

15. Specific Historic Cultural Materials Collected:

Type	Count	Type	Count

General

16. Describe Prehistoric and/or Historic Cultural Materials observed but not collected. State reason(s) for not collecting.

N/A

17. Affiliated Ohio Historic Inventory Site Number and Name:

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E. Physical Description

*1. Archaeological Setting (select only one, as appropriate):

- Rockshelter/Cave
- Open
- Unrecorded
- Unknown
- Submerged
- Other (specify) _____

*2. Prehistoric Site (select as many as appropriate):

- Habitation: Camp Village Hamlet Unspecified Habitation _____
- Extractive: Quarry Workshop _____
- Ceremonial: Unspecified Mound Earth Mound Stone Mound _____
- Effigy Mound Mound Group Hilltop Enclosure _____
- Geometrical Earthwork Cemetery Isolated Burial(s) _____
- Petroglyph/Pictograph _____
- Other: Unknown Unrecorded Other (specify) _____

*3. Historic Site Type (select as many as appropriate):

- Residential Commercial Social Government _____
- Religious Educational Mortuary Recreation _____
- Subsistence Industrial Health Care Military _____
- Transportation Unrecorded Unknown _____
- Other (specify) _____

4. State the bases on which site type assignment(s) were made.

*Based on presence of filled-in well
on well a location of site on 1905 oil & gas
MAP-*

*5. Site Condition (select only one, as appropriate):

- Undisturbed
- Disturbed - Extent Unknown
- Fully Disturbed
- Destroyed
- Unrecorded
- Unknown

*6. Dominant Agent(s) of Disturbance (select as many as appropriate):

- None Apparent
- Agriculture
- Historic Construction
- Water
- Transportation
- Archaeological Excavation
- Mining
- Vandalism
- Unrecorded
- Other (specify) _____

7. Nature of Disturbance/Destruction:

*Roadway construction and abandonment of
air strip.*

*8. Current Dominant Land Use (see manual):

Industrial

9. Land Use History:

*According to 1905 oil & gas MAP area was a farmstead
in late 19th century - mid-20th century until
property came under jurisdiction of Atomic
Energy Commission*

*10. Site Elevation 213 Meters A.M.S.L. (elevation to be taken from UTM point)

*11. Physiographic Setting of Site (select only one, as appropriate):

- Lake Plain
- Lexington Peneplain
- Unglaciaded Plateau
- Till Plain
- Glaciaded Plateau
- Unrecorded

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*12. Glacial Geomorphology (select only one, as appropriate):

- Not Applicable
- Kansan Ground Moraine
- Illinoian Ground Moraine
- Illinoian Outwash
- Wisconsin Ground Moraine
- Unrecorded
- Wisconsin End/Lateral Moraine
- Wisconsin Kame/Kettle/Esker/Drumlin
- Wisconsin Lacustrine Deposit
- Post Wisconsin Lacustrine Deposit
- Wisconsin Outwash
- Other (specify) _____

*13. Regional Geomorphological Setting (select only one, as appropriate):

- Stream Valley
- Upland Hill Slope
- Beach Ridge
- Hill or Ridge Top
- Lake Plains Interfluvial Zone
- Unrecorded

*14. Local Environmental Setting (select only one, as appropriate):

- Terrace: Unknown T-1 T-2 T-3 T-4
- Beach Ridge
- Terrace Remnant
- Natural Levee
- Floodplain
- Low Rise on Floodplain
- Alluvium
- Island
- Kame
- Drumlin
- Esker
- Moraine
- Glacial Hummock
- Wetland Hummock
- Bluff
- Bluff Base
- Bluff Edge
- Saddle
- Hill or Ridge Top
- Closed Depression
- Unrecorded
- Other (specify) _____

*15. Soils:

Soil Association Shelota-Lotham
 Soil Series-Phase/Complex UOA - Urban land Omolga Complex
 Reference Hendershot, Robert L. 1990 "Soil Survey of Pike County, Ohio."

*16. Down Slope Direction (select only one, as appropriate):

- N NW NE E All Flat
- S SW SE W Unrecorded

*17. Slope Gradient (percent) 0% Unrecorded _____

*18. Drainage System (see manual):

Major Drainage Ohio River
 Minor Drainage Scioto River

*19. Closest Water Source (select only one, as appropriate):

- Name: Big Run
- Permanent Stream
 - Permanent Spring
 - Slough/Oxbow Lake
 - Artificial Stream/Ditch (historic sites only)
 - Other (specify) _____
 - Lake/Pond
 - Swamp/Bog
 - Artificial Lake/Pond (historic sites only)
 - Unrecorded
 - Ephemeral Stream
 - Intermittent Spring/Seep

*20. Horizontal Distance to Closest Water Source 495 (meters from UTM point)

21. Elevation Above Closest Water Source _____ (meters A.M.S.L. from UTM point)

F. Reporting Information

*1. Investigation Type (select as many as appropriate):

- Reported
- Auger/Soil Corer
- Deep Test(s)
- Mitigation/Block Excavation
- Remote Sensing (specify) _____
- Chemical Analysis (specify) _____
- Unrecorded
- Examination of Collection
- Shovel Test(s)
- PZ or Humus Removal
- Aerial Photograph
- Surface Collection
- Test Pit(s)
- Testing/Excav. (strategy unknown)
- Other (specify) pedestrian reconnaissance

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*2. Surface Collection Strategy (select as many as appropriate):

- Not Applicable Grab Sample Diagnostics
- Controlled-Unknown Controlled-Total
- Controlled-Sample Unrecorded
- Other (specify) _____

3. If surface collection strategy is Controlled-Total, Controlled-Sample, or Other, describe methodology and percentage.

4. Surface Visibility (select only one, as appropriate):

- None Less than 10% 11-50%
- 51-90% 91-100% Unrecorded

5. Describe surface conditions.

Area covered in grass

*6. Site Area (square meters) 2.4 m²

Unrecorded _____

*7. Basis for Site Area Estimate (select only one, as appropriate):

- Guessed Historic Maps Aerial Photograph Paced
- Taped Transit/Alidade Range Finder Unrecorded
- Other (specify) GPS

*8. Confident of Site Boundaries: No Yes Unrecorded

9. Estimated Percentage of Site Excavated Unrecorded Unknown

*10. Name of Form Preparer PATRICK D. TRADER

*11. Institution GRAY & Pape, Inc.

*12. Date of Form (year/month) 2011 / August

2 0 1

*13. Field Date (year/month) 2011 / July

2 0 1

14. Time Spent at Site 2.5 hours

15. Weather Conditions SUNNY / Hot

16. Name(s), Address(es), Phone Number(s) of Local Informants

NONE

*17. Artifact Repository (ies) N/A

18. Name(s), Address(es), Phone Number(s) of Owners of Collections From Site (attach inventories of private collections).

N/A

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19. Photographs (select as many as appropriate): N/A

No. of Slides _____ No. of Prints _____

Aerials: _____ Black/White _____ Color _____ Infrared

20. Name and Address of Institution Where Photos Are Filed (include photo log number if available)

N/A

21. National Register Status (select only one, as appropriate):

_____ National Register Property† _____

_____ Determined Eligible for National Register† _____

_____ National Register Status Not Assessed _____

_____ Removed from National Register† _____

Determined Not Eligible† _____

†Determination made by Keeper of the National Register (date) _____

22. State Registry Status (select only one, as appropriate)

_____ State Registry Listed† _____

Not Assessed for State Registry _____

_____ Removed from State Registry† _____

_____ Determined Not Eligible† _____

†Determination made by Ohio Historical Society (date) _____

23. Discuss the potential significance of the site (does it meet National Register and/or State Registry criteria of significance in your opinion? Why or why not? Upon what evidence have you based your opinion?)

The site has been destroyed by construction of Perimeter Road and an adjacent air strip. The only remnants of site is a filled in well - No artifacts were ~~so~~ recovered from site. The site is considered not eligible to the National Register.

24. Special Status (select only one, as appropriate):

None _____ Wilderness Area _____ Wildlife Preserve _____

_____ Park _____ Scenic River _____ Nature Preserve _____

_____ Forest _____ Military Installation _____ Archaeological Preserve _____

_____ Archaeological District _____ Unknown _____

_____ Other (specify) _____

for official use only

***G. References** - List Primary Documentary References (see manual).

1. 1905 Oil & Gas Map, Sevier Township
2. 1939 Aerial Photographs, United States Soil Conservation Service.
3. 1952 pre-construction topographic map prepared by Tennessee Valley Authority, Maps and Survey Branch.

H. Radiometric Dates

1. Material(s) Dated _____
 Date (uncorrected C14 years) _____
 Laboratory _____
 Sample # _____
 Reference(s) _____
2. Material(s) Dated _____
 Date (uncorrected C14 years) _____
 Laboratory _____
 Sample # _____
 Reference(s) _____
3. Additional Radiometric Dates Yes _____ No _____
 (use Continuation Section to list other dates)

I. Description of Site

1. State physical description of the site and its setting, including dimensions, features (with measurements), nature and location of artifacts and concentrations, extent and location of disturbances, etc. Site 33PK 329 is located west of Perimeter Road on PORTS facility, adjacent to an area which has been impacted by a landing strip. The majority of this homestead has been destroyed by these earthmoving activities; the only remnant are the remains of a filled-in well, measuring 1.30 x 1.10 m, covering an area of 2.4 m². The south side of the well depression has three limestone field stones. No artifacts were found in association.

*2. Discuss the relationship between the site and other known sites in the area in terms of location, physical characteristics, size, etc. This site is found in close proximity to a number of homesteads/farmsteads which are illustrated on the 1905 Oil & Gas Map, Scioto Township. While many of these farmsteads exist archaeologically, several have been destroyed by roadway, utility installation and other earthmoving activities. It is also likely that the building was dismantled and building materials scavenged.

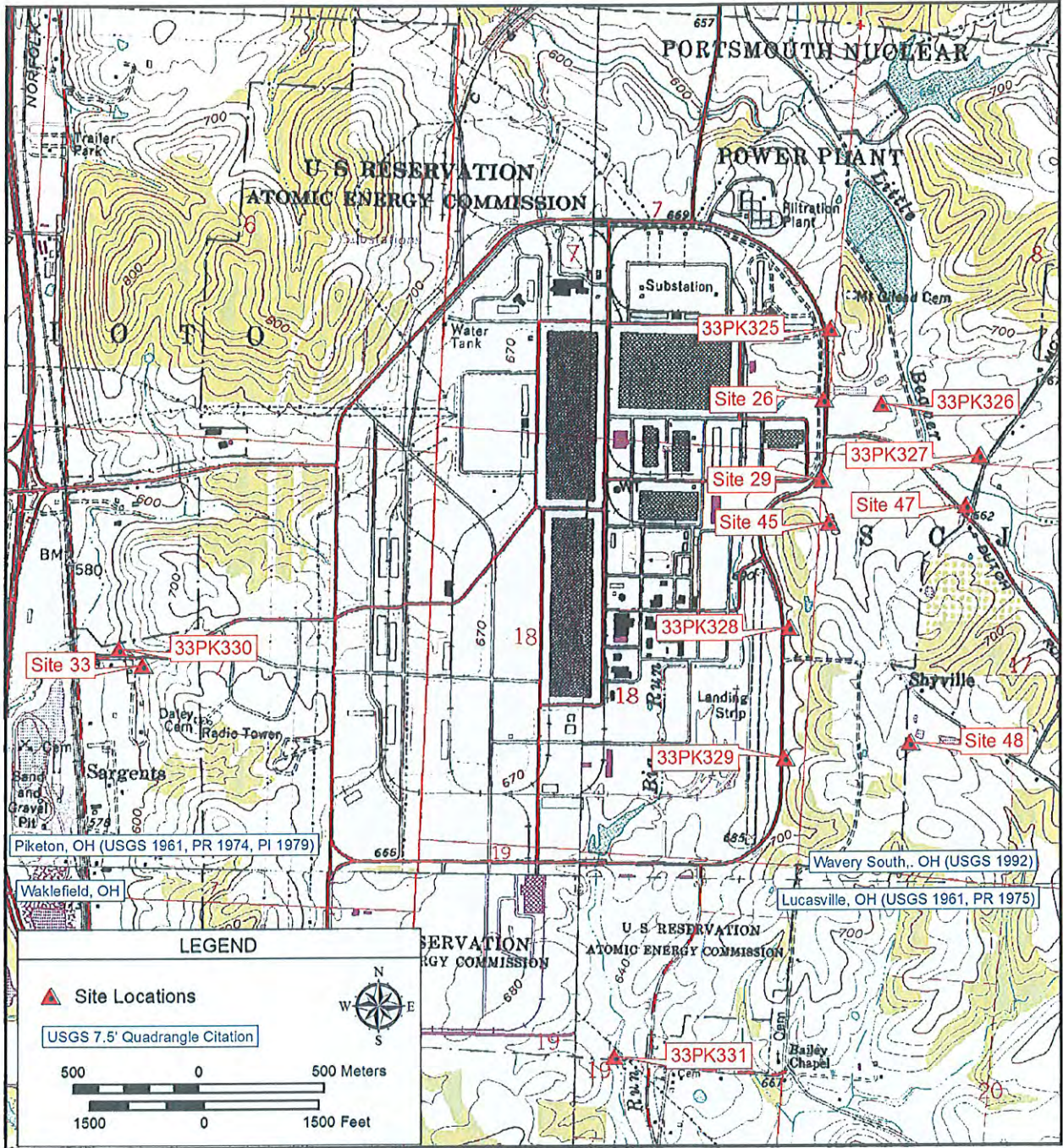
J. Continuation Section: Specify Section & Item (use additional Continuation Sheet(s) if necessary)

***K. Sketch Map or Copy of Project Map of Site**

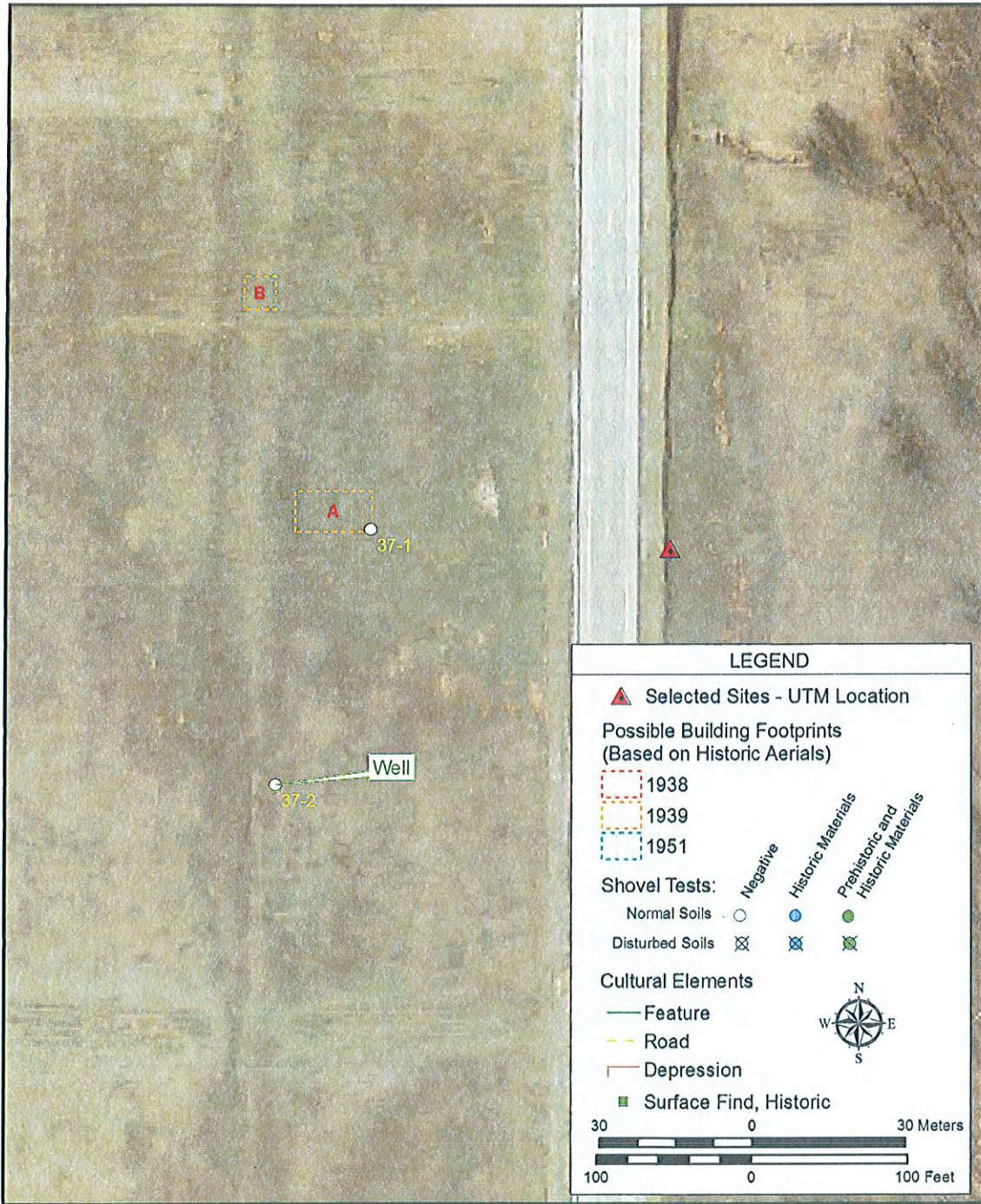
Include north arrow and scale. Attach a Xeroxed section of the appropriate U.S.G.S. quadrangle on a separate sheet. Outline total area surveyed and include locations of all identified sites on the Xero: of the quadrangle.

See Attached

*Site Location Permanent Feature	Distance (m)	Direction/Bearing from Site to Terrain Feature



Gray & Pape Project No. 11-63201: PORTS,
Location of Sites 33PK325, 33PK326, 33PK327, 33PK328,
33PK329, 33PK330, and 33PK331, and
Project Sites 26, 29, 33, 45, 47, and 48, in
Scioto Township, Pike County, Ohio



2007 Aerial Photo Showing
Resource 33PK329

OHIO ARCHAEOLOGICAL INVENTORY ISOLATED FIND SITE FORM

[Follow applicable instructions in the *Ohio Archaeological Inventory Instruction Manual* for completing the Isolated Find Site Form]

Identification

Site Number: 33PK328

Location

UTM Coordinates: Zone: 17 Easting: 327646

Northing: 4319744

Quadrangle Name: Wakely South, OH

Quadrangle Date 1992

Temporal Affiliation: Historic, 1900-1950

Artifact Description: 1 piece of window glass

Reporting Information

Name of Form Preparer: PATRICK A. TRODEK

Institution Name: Groves & Pope, Inc.

Institution Address (include city, state, and zip code)
1318 MAIN ST.

CINCINNATI, OH 45202

Institution Telephone Number: 513-287-7000

FAX Number: 513-287-7703

Date of Form (year/month): 2011/AUGUST

Field Date (year/month): 2011/JULY

Primary Reference (contract report title using SAA format - if no report, indicate project name):

1905 OIL & GAS MAP, SCIOTO TOWNSHIP 11-63201-PORTS

Mapping (a copy of the USGS topographic map with the isolated find location clearly indicated must accompany this form)

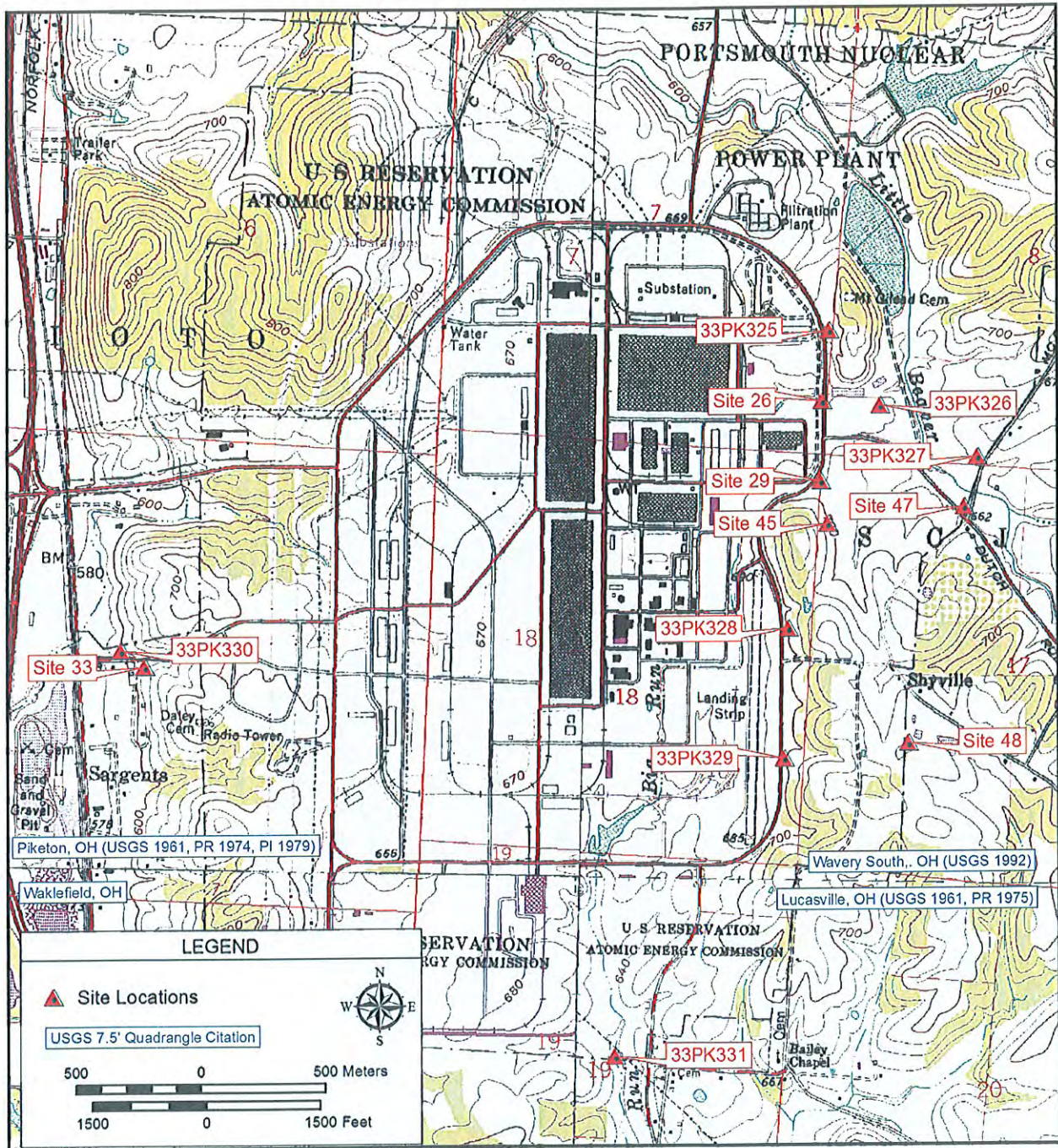
see attached

Site No. 33 - _____
Plotted

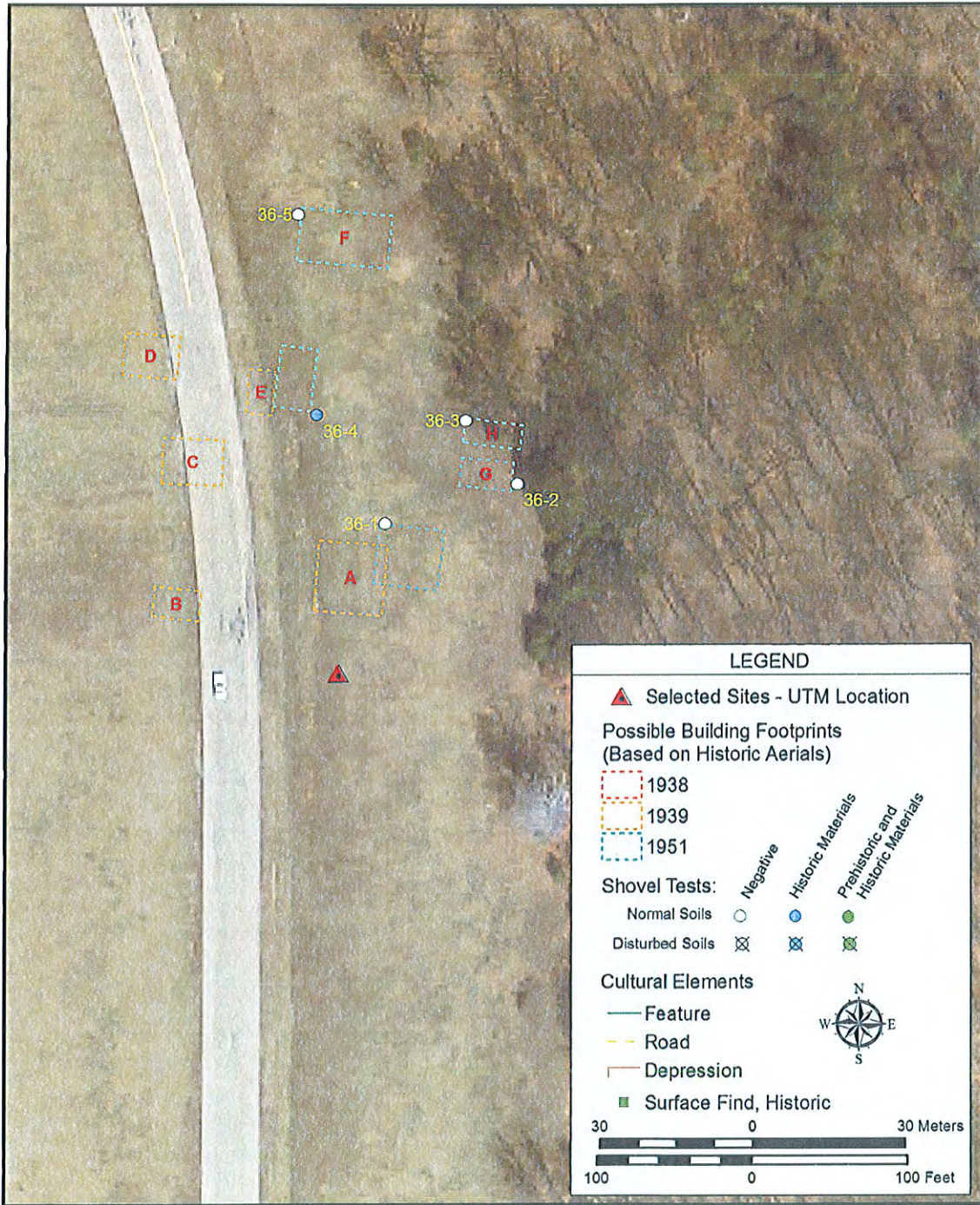


OHIO HISTORICAL SOCIETY
SINCE 1845

Ohio Historic Preservation Office
567 East Hudson Street
Columbus, Ohio 43211-1030
614/298-2000 Fax: 614/298-2037
www.ohiohistory.org/resource/histpres/



Gray & Pape Project No. 11-63201: PORTS,
Location of Sites 33PK325, 33PK326, 33PK327, 33PK328,
33PK329, 33PK330, and 33PK331, and
Project Sites 26, 29, 33, 45, 47, and 48, in
Scioto Township, Pike County, Ohio



2007 Aerial Photo Showing Resource 33PK328



OHIO ARCHAEOLOGICAL INVENTORY

*Response required for acceptance of form

for official use only

Coder _____

Date _____

A. Identification

*1. Type of Form (select as many as appropriate):

New Form Revised Form Transcribed Data

2. County Pike *3. Trinomial State Site Number 33- PK 327

4. Site Name(s) Beaver Auk Church

5. Project Site Number 28

6. Other State Site Number _____

7. Source (of Item A.5. and/or A.6.) _____

B. Location

*1. UTM Zone 16 of 17
Easting 328435
Northing 43203190

2. Latitude _____

Longitude _____

*3. Township 4N Range 21W Not Applicable _____

Section 8 1/4 Section: SW SE _____ NW _____ NE _____

Township Name Scioto

*4. Quadrangle Name Waverly South, Ohio 1 9 _____

*5. Quadrangle Date 19920

*6. Confident of Site Location Yes _____ No

C. Ownership

*1. Name(s) United States Department of Energy

Address _____

City/Town, State, Zip Pike, OH 45661

Phone (____) _____

2. Tenant (if any) _____

Address _____

City/Town, State, Zip _____

Phone (____) _____

*3. Ownership Status (select only one, as appropriate):

____ Private (single) Private (multiple) _____ Local Govt.

____ State Govt. _____ Federal Govt. _____ Multiple Govt.

____ Mixed-Govt./Private _____ Unknown

D. Temporal Affiliations

*1. Affiliations Present (select only one, as appropriate):

____ Prehistoric Historic _____ Prehistoric and Historic

____ Unknown _____ Unrecorded

Site No. 33-
Plotted

for official use only

Prehistoric

*2. Prehistoric Temporal Period(s) Represented (select as many as appropriate)

- Unassigned Prehistoric Paleoindian _____
- Archaic: Unassigned Early Middle Late _____
- Woodland: Unassigned Early Middle Late _____
- Late Prehistoric Protohistoric Other (specify) _____

*3. Minimum Number of Prehistoric Temporal Periods Represented _____

*4. Basis for Assignment of Prehistoric Temporal Period(s) (select as many as appropriate):

- Diagnostic Artifacts Diagnostic Features Radiometric _____
- Unrecorded Other (specify) _____

5. Prehistoric Cultural Component(s) Represented (see manual):

- a. _____
- b. _____
- c. _____
- d. _____
- e. _____
- f. _____

6. Describe how Prehistoric Temporal Period(s) and Cultural Component(s) were determined (list diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features please specify Prehistoric Cultural Component(s) by using letter designations from Item D.5.

Researcher _____

*7. Categories of Prehistoric Materials Present at Site (select as many as appropriate)

- Lithics Ceramics Metal Faunal Remains Floral Remains _____
- Human Skeletal Remains Unrecorded Other (specify) _____

8. Specific Prehistoric Cultural Materials Collected:

Type	Count	Type	Count
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Historic

*9. Affiliation Present (select only one, as appropriate):

- Aboriginal Non-Aboriginal Both Undetermined

*10. Historic Temporal Period(s) Represented (select as many as appropriate):

- a. Pre-1795 1796-1829 1830-1849 _____
- d. 1850-1879 1880-1899 1900-1929 _____
- g. 1930-1949 1950-1974 1975-2000 _____
- j. Historic 18th Century 19th Century _____
- m. 20th Century Historic Aboriginal _____

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*11. Minimum Number of Historic Temporal Periods Represented 1

*12. Basis for Assignment of Historic Temporal Period(s) (select as many as appropriate):
 Diagnostic Artifacts Diagnostic Architectural Remains
 Diagnostic Features Documentary Evidence Oral Tradition
 Unrecorded Other (specify) _____

13. Describe how Historic Temporal Period(s) were determined (list any diagnostic architectural remains, diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features specify Historic Temporal Period(s) by using letter designations from Item D.10.
Site illustrated on 1905 Oil & Gas MAP, but is not visible on either 1939 or 1952 aerial photographs flown by U.S. Soil Conservation Service. Not a structure illustrated on 1952 pre-construction topographic map prepared by Tennessee Valley Authority Maps & Survey Branch, suggesting it was dismantled prior to 1930
Researcher PATRICK D. TREADER

*14. Functional Categories of Historic Materials Present at Site (select as many as appropriate):
 Kitchen Furniture Personal
 Toys & Games Printed Matter Religious/Ceremonial
 Military Weapons Transportation
 Architectural Misc. Hardware Const./Manufacturing Tools
 Agricultural Fuel/Energy Food Remains
 Clothing Unrecorded Unknown
 Other (specify) _____

15. Specific Historic Cultural Materials Collected:

Type	Count	Type	Count

General

16. Describe Prehistoric and/or Historic Cultural Materials observed but not collected. State reason(s) for not collecting.
1 piece of clear window glass and
iron hammer head.

17. Affiliated Ohio Historic Inventory Site Number and Name:

for official use only

E. Physical Description

*1. Archaeological Setting (select only one, as appropriate):

- Rockshelter/Cave
- Open
- Unrecorded
- Unknown
- Submerged
- Other (specify) _____

*2. Prehistoric Site (select as many as appropriate):

- Habitation: Camp Village Hamlet Unspecified Habitation
- Extractive: Quarry Workshop
- Ceremonial: Unspecified Mound Earth Mound Stone Mound
- Effigy Mound Mound Group Hilltop Enclosure
- Geometrical Earthwork Cemetery Isolated Burial(s)
- Petroglyph/Pictograph
- Other: Unknown Unrecorded Other (specify) _____

*3. Historic Site Type (select as many as appropriate):

- Residential Commercial Social Government
- Religious Educational Mortuary Recreation
- Subsistence Industrial Health Care Military
- Transportation Unrecorded Unknown
- Other (specify) _____

4. State the bases on which site type assignment(s) were made.

Based on 1965 oil & gas map, the site functioned as a church.

*5. Site Condition (select only one, as appropriate):

- Undisturbed
- Disturbed - Extent Unknown
- Fully Disturbed
- Destroyed
- Unrecorded
- Unknown

*6. Dominant Agent(s) of Disturbance (select as many as appropriate):

- None Apparent Agriculture Historic Construction Water
- Transportation Archaeological Excavation Mining Vandalism
- Unrecorded
- Other (specify) *Dis mantling / demolition*

7. Nature of Disturbance/Destruction:

Structure likely dismantled or demolished only foundation stone left.

*8. Current Dominant Land Use (see manual):

Industrial, currently abandoned land

9. Land Use History:

In late 19th - early 20th century the area was used as a church serving the community. In 1950s property was obtained by Atomic Energy Commission.

*10. Site Elevation 202 Meters A.M.S.L. (elevation to be taken from UTM point)

*11. Physiographic Setting of Site (select only one, as appropriate):

- Lake Plain Lexington Penplain Unglaciaded Plateau
- Till Plain Glaciaded Plateau Unrecorded

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*12. Glacial Geomorphology (select only one, as appropriate):

- Not Applicable
- Wisconsin End/Lateral Moraine
- Kansan Ground Moraine
- Wisconsin Kame/Kettle/Esker/Drumlin
- Illinoian Ground Moraine
- Wisconsin Lacustrine Deposit
- Illinoian Outwash
- Post Wisconsin Lacustrine Deposit
- Wisconsin Ground Moraine
- Wisconsin Outwash
- Unrecorded
- Other (specify) _____

*13. Regional Geomorphological Setting (select only one, as appropriate):

- Stream Valley
- Upland Hill Slope
- Beach Ridge
- Hill or Ridge Top
- Lake Plains Interfluvial Zone
- Unrecorded

*14. Local Environmental Setting (select only one, as appropriate):

- Terrace: Unknown T-1 T-2 T-3 T-4
- Beach Ridge
- Terrace Remnant
- Natural Levee
- Floodplain
- Low Rise on Floodplain
- Alluvium
- Island
- Kame
- Drumlin
- Esker
- Moraine
- Glacial Hummock
- Wetland Hummock
- Bluff
- Bluff Base
- Bluff Edge
- Saddle
- Hill or Ridge Top
- Closed Depression
- Unrecorded
- Other (specify) _____

*15. Soils:

Soil Association Skeloeta-hotham
 Soil Series-Phase/Complex Wy B2 - Wyatt silt clay loam
 Reference Hendriehit, Robert L. 1990 "Soil Survey of Pike County, Ohio"

*16. Down Slope Direction (select only one, as appropriate):

- N
- NW
- NE
- E
- All
- Flat
- S
- SW
- SE
- W
- Unrecorded

*17. Slope Gradient (percent) 3% Unrecorded _____

*18. Drainage System (see manual):

Major Drainage Ohio River
 Minor Drainage Scioto River

*19. Closest Water Source (select only one, as appropriate):

Name: Little Beaver Creek
 Permanent Stream Lake/Pond Ephemeral Stream
 Permanent Spring Swamp/Bog Intermittent Spring/Seep
 Slough/Oxbow Lake Artificial Lake/Pond (historic sites only)
 Artificial Stream/Ditch (historic sites only) Unrecorded
 Other (specify) _____

*20. Horizontal Distance to Closest Water Source 125 (meters from UTM point)

21. Elevation Above Closest Water Source _____ (meters A.M.S.L. from UTM point)

F. Reporting Information

*1. Investigation Type (select as many as appropriate):

- Reported
- Examination of Collection
- Surface Collection
- Auger/Soil Corer
- Shovel Test(s)
- Test Pit(s)
- Test Trench(es)
- Deep Test(s)
- PZ or Humus Removal
- Testing/Excav. (strategy unknown)
- Mitigation/Block Excavation
- Aerial Photograph
- Remote Sensing (specify) _____
- Chemical Analysis (specify) _____
- Unrecorded
- Other (specify) Aerial Reconnaissance

for official use only

*2. Surface Collection Strategy (select as many as appropriate):

- Not Applicable Grab Sample Diagnostics
- Controlled-Unknown Controlled-Total
- Controlled-Sample Unrecorded
- Other (specify) _____

3. If surface collection strategy is Controlled-Total, Controlled-Sample, or Other, describe methodology and percentage.

4. Surface Visibility (select only one, as appropriate):

- None Less than 10% 11-50%
- 51-90% 91-100% Unrecorded

5. Describe surface conditions.

Area covered in scrub brush and hardwood forest

*6. Site Area (square meters) 148.8 m²

Unrecorded _____

*7. Basis for Site Area Estimate (select only one, as appropriate):

- GuesSED Historic Maps Aerial Photograph Paced
- Taped Transit/Alidade Range Finder Unrecorded
- Other (specify) GPS

*8. Confident of Site Boundaries: No Yes Unrecorded

9. Estimated Percentage of Site Excavated Unrecorded Unknown

*10. Name of Form Preparer PATRICK D. TRADER

*11. Institution GRAY & PAPE, INC.

*12. Date of Form (year/month) 8/1/11

2 0 1

*13. Field Date (year/month) 2011 - July

2 0 1

14. Time Spent at Site 2 hours

15. Weather Conditions SUNNY, hot

16. Name(s), Address(es), Phone Number(s) of Local Informants

N/A

*17. Artifact Repository (ies) N/A

18. Name(s), Address(es), Phone Number(s) of Owners of Collections From Site (attach inventories of private collections).

N/A

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19. Photographs (select as many as appropriate): N/A

No. of Slides _____ No. of Prints _____

Aerials: _____ Black/White _____ Color _____ Infrared

20. Name and Address of Institution Where Photos Are Filed (include photo log number if available)

21. National Register Status (select only one, as appropriate): NOT ASSESSED

_____ National Register Property† _____

_____ Determined Eligible for National Register† _____

_____ National Register Status Not Assessed _____

_____ Removed from National Register† _____

_____ Determined Not Eligible† _____

†Determination made by Keeper of the National Register (date) _____

22. State Registry Status (select only one, as appropriate)

_____ State Registry Listed† _____

X Not Assessed for State Registry _____

_____ Removed from State Registry† _____

_____ Determined Not Eligible† _____

†Determination made by Ohio Historical Society (date) _____

23. Discuss the potential significance of the site (does it meet National Register and/or State Registry criteria of significance in your opinion? Why or why not? Upon what evidence have you based your opinion?)

Site # 28 identified as part of an archeological reconnaissance to identify locations of historic sites on PORTS Facility. - Remains of foundation & low artifact density. Few artifacts gathered insufficient to assess National Register eligibility of this resource.

24. Special Status (select only one, as appropriate):

X None _____ Wilderness Area _____ Wildlife Preserve _____

_____ Park _____ Scenic River _____ Nature Preserve _____

_____ Forest _____ Military Installation _____ Archaeological Preserve _____

_____ Archaeological District _____ Unknown _____

_____ Other (specify) _____

for official use only

***G. References** - List Primary Documentary References (see manual):

1. 1905 Oil & Gas Map
2. 1939 U.S. Soil Conservation Service
aerial photograph
3. _____

H. Radiometric Dates

1. Material(s) Dated _____
Date (uncorrected C14 years) _____
Laboratory _____
Sample # _____
Reference(s) _____
2. Material(s) Dated _____
Date (uncorrected C14 years) _____
Laboratory _____
Sample # _____
Reference(s) _____
3. Additional Radiometric Dates Yes _____ No _____
(use Continuation Section to list other dates)

I. Description of Site

1. State physical description of the site and its setting, including dimensions, features (with measurements), nature and location of artifacts and concentrations, extent and location of disturbances, etc. Site 33Pk 327 consists of a front stoop and right associated foundation remnants all constructed of native limestone measuring 12.2 x 12.2 m, covering a total area of 148.8 m², one shovel test resulted in the identification of one piece of glass and one iron hammer head (not collected). Based on historic maps and aerial photographs, a church was located here prior to 1930

*2. Discuss the relationship between the site and other known sites in the area in terms of location, physical characteristics, size, etc.

A number of other historic sites, including homesteads/farmsteads are illustrated on 1905 oil & gas map. Site 33PK197 is located southeast of site 33PK327, which is mapped as a church on the 1905 oil & gas map. Little is known of these other sites, other than location.

J. Continuation Section: Specify Section & Item (use additional Continuation Sheet(s) if necessary)

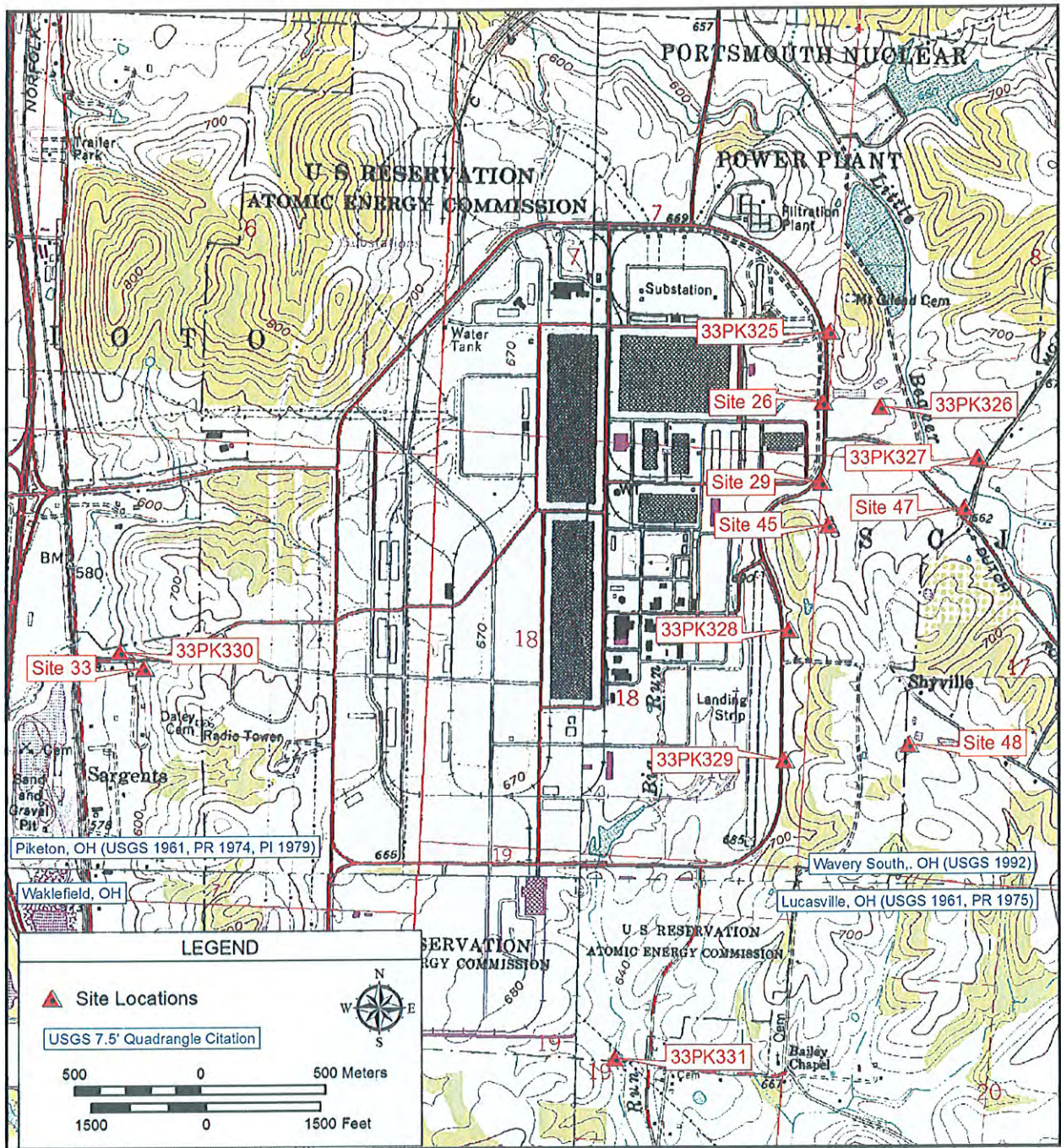
PK 327

***K. Sketch Map or Copy of Project Map of Site**

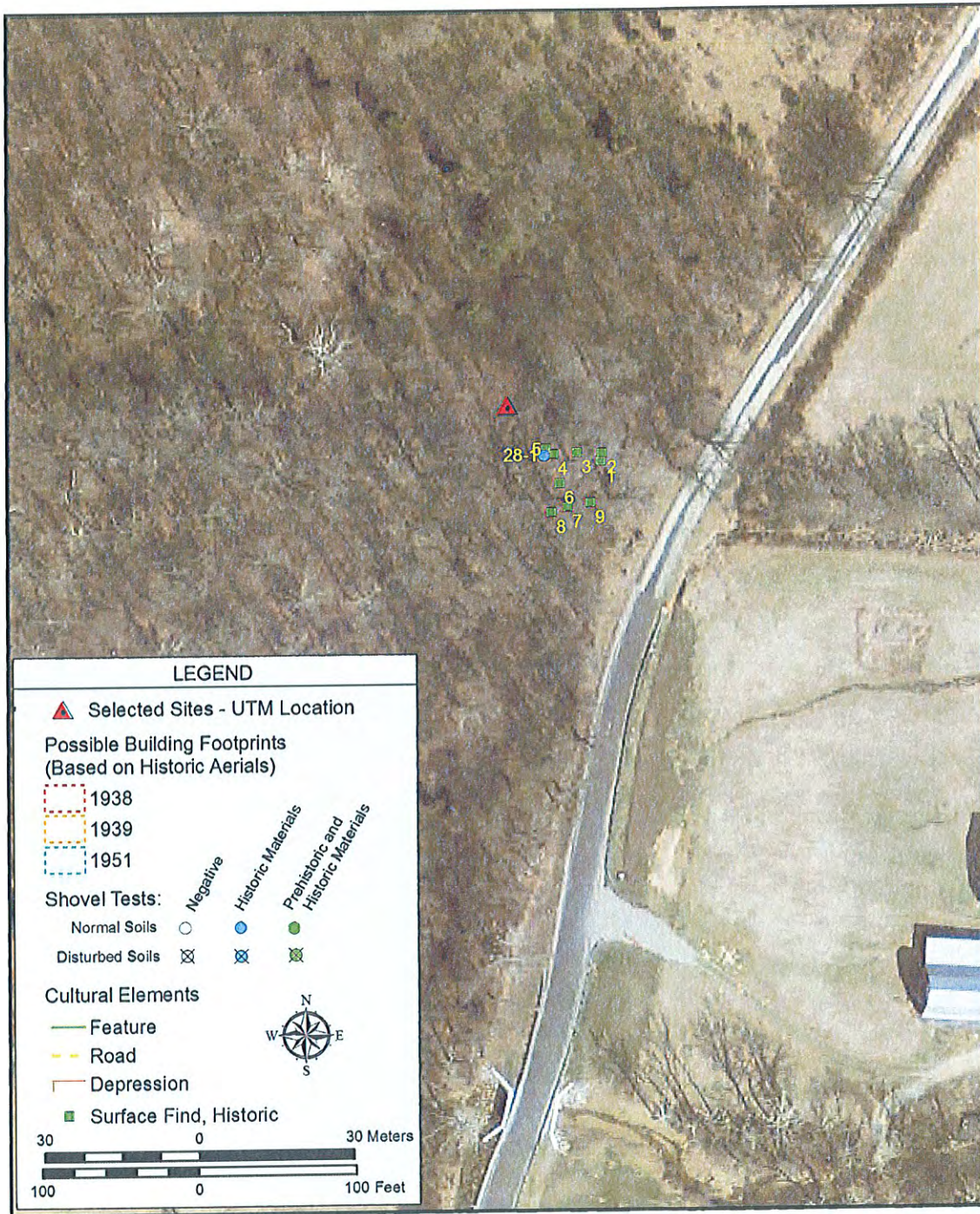
Include north arrow and scale. Attach a Xeroxed section of the appropriate U.S.G.S. quadrangle on a separate sheet. Outline total area surveyed and include locations of all identified sites on the Xero of the quadrangle.

See Attached

*Site Location Permanent Feature	Distance (m)	Direction/Bearing from Site to Terrain Feature



Gray & Pape Project No. 11-63201: PORTS,
Location of Sites 33PK325, 33PK326, 33PK327, 33PK328,
33PK329, 33PK330, and 33PK331, and
Project Sites 26, 29, 33, 45, 47, and 48, in
Scioto Township, Pike County, Ohio



2007 Aerial Photo Showing
Resource 33PK327



OHIO ARCHAEOLOGICAL INVENTORY

for official use only

*Response required for acceptance of form

Coder _____

Date _____

A. Identification

1. Type of Form (select as many as appropriate):

New Form Revised Form Transcribed Data

2. County Pike *3. Trinomial State Site Number 33- PK. 326

4. Site Name(s) _____

5. Project Site Number 27

6. Other State Site Number _____

7. Source (of Item A.5. and/or A.6.) _____

B. Location

1. UTM Zone 16 or X^{16 or 17}
Easting 327976 0
Northing 4320540 0

2. Latitude _____
Longitude _____

3. Township 4N Range 21W Not Applicable _____
Section 8 1/4 Section: SW SE NW NE

Township Name Scioto

4. Quadrangle Name Waverly South Ohio 1 9 _____

5. Quadrangle Date 1992

6. Confident of Site Location Yes No

C. Ownership

1. Name(s) United States Department of Energy

Address _____

City/Town, State, Zip Piketon, OH 45661

Phone (____) _____

2. Tenant (if any) _____

Address _____

City/Town, State, Zip _____

Phone (____) _____

3. Ownership Status (select only one, as appropriate):

Private (single) Private (multiple) Local Govt. _____

State Govt. Federal Govt. Multiple Govt. _____

Mixed-Govt./Private Unknown _____

D. Temporal Affiliations

1. Affiliations Present (select only one, as appropriate):

Prehistoric Historic Prehistoric and Historic _____

Unknown Unrecorded _____

Site No. 33-
Plotted

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Prehistoric

*2. Prehistoric Temporal Period(s) Represented (select as many as appropriate)

Unassigned Prehistoric Paleoindian _____

Archaic: Unassigned Early Middle Late _____

Woodland: Unassigned Early Middle Late _____

Late Prehistoric Protohistoric Other (specify) _____

*3. Minimum Number of Prehistoric Temporal Periods Represented _____

*4. Basis for Assignment of Prehistoric Temporal Period(s) (select as many as appropriate):

Diagnostic Artifacts Diagnostic Features Radiometric _____

Unrecorded Other (specify) _____

5. Prehistoric Cultural Component(s) Represented (see manual):

a. _____

b. _____

c. _____

d. _____

e. _____

f. _____

6. Describe how Prehistoric Temporal Period(s) and Cultural Component(s) were determined (list diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features please specify Prehistoric Cultural Component(s) by using letter designations from Item D.5.

Researcher _____

*7. Categories of Prehistoric Materials Present at Site (select as many as appropriate)

Lithics Ceramics Metal Faunal Remains Floral Remains _____

Human Skeletal Remains Unrecorded Other (specify) _____

8. Specific Prehistoric Cultural Materials Collected:

Type	Count	Type	Count
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Historic

*9. Affiliation Present (select only one, as appropriate):

Aboriginal Non-Aboriginal Both Undetermined

*10. Historic Temporal Period(s) Represented (select as many as appropriate):

a. Pre-1795 b. 1796-1829 c. 1830-1849 _____

d. 1850-1879 e. 1880-1899 f. 1900-1929 _____

g. 1930-1949 h. 1950-1974 i. 1975-2000 _____

j. Historic k. 18th Century l. 19th Century _____

m. 20th Century n. Historic Aboriginal _____

3

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*11. Minimum Number of Historic Temporal Periods Represented _____

*12. Basis for Assignment of Historic Temporal Period(s) (select as many as appropriate):

- Diagnostic Artifacts
- Diagnostic Architectural Remains
- Diagnostic Features
- Documentary Evidence
- Oral Tradition
- Unrecorded
- Other (specify) Aerial Photographs

13. Describe how Historic Temporal Period(s) were determined (list any diagnostic architectural remains, diagnostic artifacts and/or features: include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features specify Historic Temporal Period(s) by using letter designations from Item D.10.

33 PK 326 illustrated on 1905 Oil & Gas map and 1952 pre-construction topographic map prepared by the Tennessee Valley Authority Maps and Survey Branch shown as a large homestead with several structures. Also noted on 1939 & 1952 Aerial Photographs.

Researcher _____

*14. Functional Categories of Historic Materials Present at Site (select as many as appropriate):

- Kitchen
- Furniture
- Personal
- Toys & Games
- Printed Matter
- Religious/Ceremonial
- Military
- Weapons
- Transportation
- Architectural
- Misc. Hardware
- Const./Manufacturing Tools
- Agricultural
- Fuel/Energy
- Food Remains
- Clothing
- Unrecorded
- Unknown
- Other (specify) _____

15. Specific Historic Cultural Materials Collected:

Type	Count	Type	Count

General

16. Describe Prehistoric and/or Historic Cultural Materials observed but not collected. State reason(s) for not collecting.

None

17. Affiliated Ohio Historic Inventory Site Number and Name:

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E. Physical Description

*1. Archaeological Setting (select only one, as appropriate):

- Rockshelter/Cave
- Open
- Unrecorded
- Unknown
- Submerged
- Other (specify) _____

*2. Prehistoric Site (select as many as appropriate):

- Habitation: Camp Village Hamlet Unspecified Habitation _____
- Extractive: Quarry Workshop _____
- Ceremonial: Unspecified Mound Earth Mound Stone Mound _____
- Effigy Mound Mound Group Hilltop Enclosure _____
- Geometrical Earthwork Cemetery Isolated Burial(s) _____
- Petroglyph/Pictograph _____
- Other: Unknown Unrecorded Other (specify) _____

*3. Historic Site Type (select as many as appropriate):

- Residential Commercial Social Government _____
- Religious Educational Mortuary Recreation _____
- Subsistence Industrial Health Care Military _____
- Transportation Unrecorded Unknown _____
- Other (specify) _____

*4. State the bases on which site type assignment(s) were made.

Based on structures illustrated on historic maps and aerial photographs -

*5. Site Condition (select only one, as appropriate):

- Undisturbed
- Disturbed - Extent Unknown
- Fully Disturbed
- Destroyed
- Unrecorded
- Unknown

*6. Dominant Agent(s) of Disturbance (select as many as appropriate):

- None Apparent
- Agriculture
- Historic Construction
- Water
- Transportation
- Archaeological Excavation
- Mining
- Vandalism
- Unrecorded
- Other (specify) _____

*7. Nature of Disturbance/Destruction:

Access road construction associated with well monitoring; bulldozer push piles

*8. Current Dominant Land Use (see manual):

INDUSTRIAL

*9. Land Use History:

In late 19th - Early 20th century area used for agricultural purposes. Around 1950 Atomic Energy Commission purchased property.

*10. Site Elevation 202 Meters A.M.S.L. (elevation to be taken from UTM point)

*11. Physiographic Setting of Site (select only one, as appropriate):

- Lake Plain
- Lexington Peneplain
- Unglaciaded Plateau
- Till Plain
- Glaciaded Plateau
- Unrecorded

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*12. Glacial Geomorphology (select only one, as appropriate):

- Not Applicable _____ Wisconsin End/Lateral Moraine _____
- _____ Kansan Ground Moraine _____ Wisconsin Kame/Kettle/Esker/Drumlin _____
- _____ Illinoian Ground Moraine _____ Wisconsin Lacustrine Deposit _____
- _____ Illinoian Outwash _____ Post Wisconsin Lacustrine Deposit _____
- _____ Wisconsin Ground Moraine _____ Wisconsin Outwash _____
- _____ Unrecorded _____ Other (specify) _____

*13. Regional Geomorphological Setting (select only one, as appropriate):

- _____ Stream Valley _____ Upland Hill Slope _____ Beach Ridge _____
- Hill or Ridge Top _____ Lake Plains Interfluvial Zone _____ Unrecorded _____

*14. Local Environmental Setting (select only one, as appropriate):

- Terrace: _____ Unknown _____ T-1 _____ T-2 _____ T-3 _____ T-4 _____
- _____ Beach Ridge _____ Terrace Remnant _____ Natural Levee _____ Floodplain _____
- _____ Low Rise on Floodplain _____ Alluvium _____ Island _____ Kame _____ Drumlin _____
- _____ Esker _____ Moraine _____ Glacial Hummock _____ Wetland Hummock _____
- _____ Bluff _____ Bluff Base _____ Bluff Edge _____ Saddle Hill or Ridge Top _____
- _____ Closed Depression _____ Unrecorded _____ Other (specify) _____

*15. Soils:

Soil Association Skelocta-Latham

Soil Series-Phase/Complex UoA Urban Land-Only a Person

Reference Henderson, Robert L. 1990 "Soil Survey of Pike County, Ohio"

*16. Down Slope Direction (select only one, as appropriate):

- _____ N _____ NW _____ NE _____ E All _____ Flat _____
- _____ S _____ SW _____ SE _____ W _____ Unrecorded _____

*17. Slope Gradient (percent) 2% Unrecorded _____

*18. Drainage System (see manual):

Major Drainage Ohio River

Minor Drainage Scioto River

*19. Closest Water Source (select only one, as appropriate):

- Name: Little Beaver Creek
- Permanent Stream _____ Lake/Pond _____ Ephemeral Stream _____
 - _____ Permanent Spring _____ Swamp/Bog _____ Intermittent Spring/Seep _____
 - _____ Slough/Oxbow Lake _____ Artificial Lake/Pond (historic sites only) _____
 - _____ Artificial Stream/Ditch (historic sites only) _____ Unrecorded _____
 - _____ Other (specify) _____

*20. Horizontal Distance to Closest Water Source 135 (meters from UTM point) _____

21. Elevation Above Closest Water Source _____ (meters A.M.S.L. from UTM point)

F. Reporting Information

*1. Investigation Type (select as many as appropriate):

- _____ Reported _____ Examination of Collection _____ Surface Collection _____
- _____ Auger/Soil Corer Shovel Test(s) _____ Test Pit(s) _____ Test Trench(es) _____
- _____ Deep Test(s) _____ PZ or Humus Removal _____ Testing/Excav. (strategy unknown) _____
- _____ Mitigation/Block Excavation Aerial Photograph _____
- _____ Remote Sensing (specify) _____
- _____ Chemical Analysis (specify) _____
- _____ Unrecorded _____ Other (specify) _____

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*2. Surface Collection Strategy (select as many as appropriate):

- Not Applicable Grab Sample Diagnostics
- Controlled-Unknown Controlled-Total
- Controlled-Sample Unrecorded
- Other (specify) _____

3. If surface collection strategy is Controlled-Total, Controlled-Sample, or Other, describe methodology and percentage.

4. Surface Visibility (select only one, as appropriate):

- None Less than 10% 11-50%
- 51-90% 91-100% Unrecorded

5. Describe surface conditions.

Area overgrown with grass, weeds, some
Hickwood trees

*6. Site Area (square meters) 9.83 m²

Unrecorded _____

*7. Basis for Site Area Estimate (select only one, as appropriate):

- GuesSED Historic Maps Aerial Photograph Paced
- Taped Transit/Alidade Range Finder Unrecorded
- Other (specify) GPS

*8. Confident of Site Boundaries: No Yes Unrecorded

9. Estimated Percentage of Site Excavated Unrecorded Unknown _____

*10. Name of Form Preparer PATRICK D. TRADEL

*11. Institution GRAY & POPE, INC.

*12. Date of Form (year/month) 8/1/11

2 0 1

*13. Field Date (year/month) 7/11/10

2 0 1

14. Time Spent at Site 6 hours

15. Weather Conditions SUNNY, hot

16. Name(s), Address(es), Phone Number(s) of Local Informants

N/A

*17. Artifact Repository (ies) N/A

18. Name(s), Address(es), Phone Number(s) of Owners of Collections From Site (attach inventories of private collections).

N/A

PK 326

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19. Photographs (select as many as appropriate): *n/a*

No. of Slides _____ No. of Prints _____

Aerials: _____ Black/White _____ Color _____ Infrared

20. Name and Address of Institution Where Photos Are Filed (include photo log number if available)

n/a

*21. National Register Status (select only one, as appropriate): *Not assessed*

- National Register Property†
- Determined Eligible for National Register†
- National Register Status Not Assessed
- Removed from National Register†
- Determined Not Eligible†

†Determination made by Keeper of the National Register (date) _____

22. State Registry Status (select only one, as appropriate)

- State Registry Listed†
- Not Assessed for State Registry
- Removed from State Registry†
- Determined Not Eligible†

†Determination made by Ohio Historical Society (date) _____

23. Discuss the potential significance of the site (does it meet National Register and/or State Registry criteria of significance in your opinion? Why or why not? Upon what evidence have you based your opinion?)

Site identified as part of an archaeological reconnaissance to identify homesteads on PORTS Facility. Homestead #27 consists of a remnant of a limestone foundation. The National Register Eligibility of this resource cannot be assessed until further archaeological investigations can be conducted.

*24. Special Status (select only one, as appropriate):

- None
- Park
- Forest
- Archaeological District
- Other (specify) _____
- Wilderness Area
- Scenic River
- Military Installation
- Wildlife Preserve
- Nature Preserve
- Archaeological Preserve
- Unknown

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***G. References** - List Primary Documentary References (see manual).

1. 1905 Oil & Gas Map, Seoto Township
2. 1939 Aerial Photograph - Soil Conservation Service
3. 1952 pre-construction topographic map prepared by the Tennessee Valley Authority Maps and Survey Branch.

H. Radiometric Dates

1. Material(s) Dated _____
Date (uncorrected C14 years) _____
Laboratory _____
Sample # _____
Reference(s) _____
2. Material(s) Dated _____
Date (uncorrected C14 years) _____
Laboratory _____
Sample # _____
Reference(s) _____
3. Additional Radiometric Dates Yes No
(use Continuation Section to list other dates)

I. Description of Site

1. State physical description of the site and its setting, including dimensions, features (with measurements), nature and location of artifacts and concentrations, extent and location of disturbances, etc.

Site 33 PK 326 is the remnants of a limestone foundation, which is part of a larger homestead. The foundation remnants measure 4.9 x 4.9 m covering an area of 9.83 m² - no other foundation remnants were identified; however, archaeological investigation was limited to a reconnaissance level. Disturbances in close access road construction, well monitoring, as well as bulldozer activities.

*2. Discuss the relationship between the site and other known sites in the area in terms of location, physical characteristics, size, etc.

A number of other historic farmsteads/homesteads are found in the surrounding area according to historic maps and aerial photographs. These historic sites also include church and school locations.

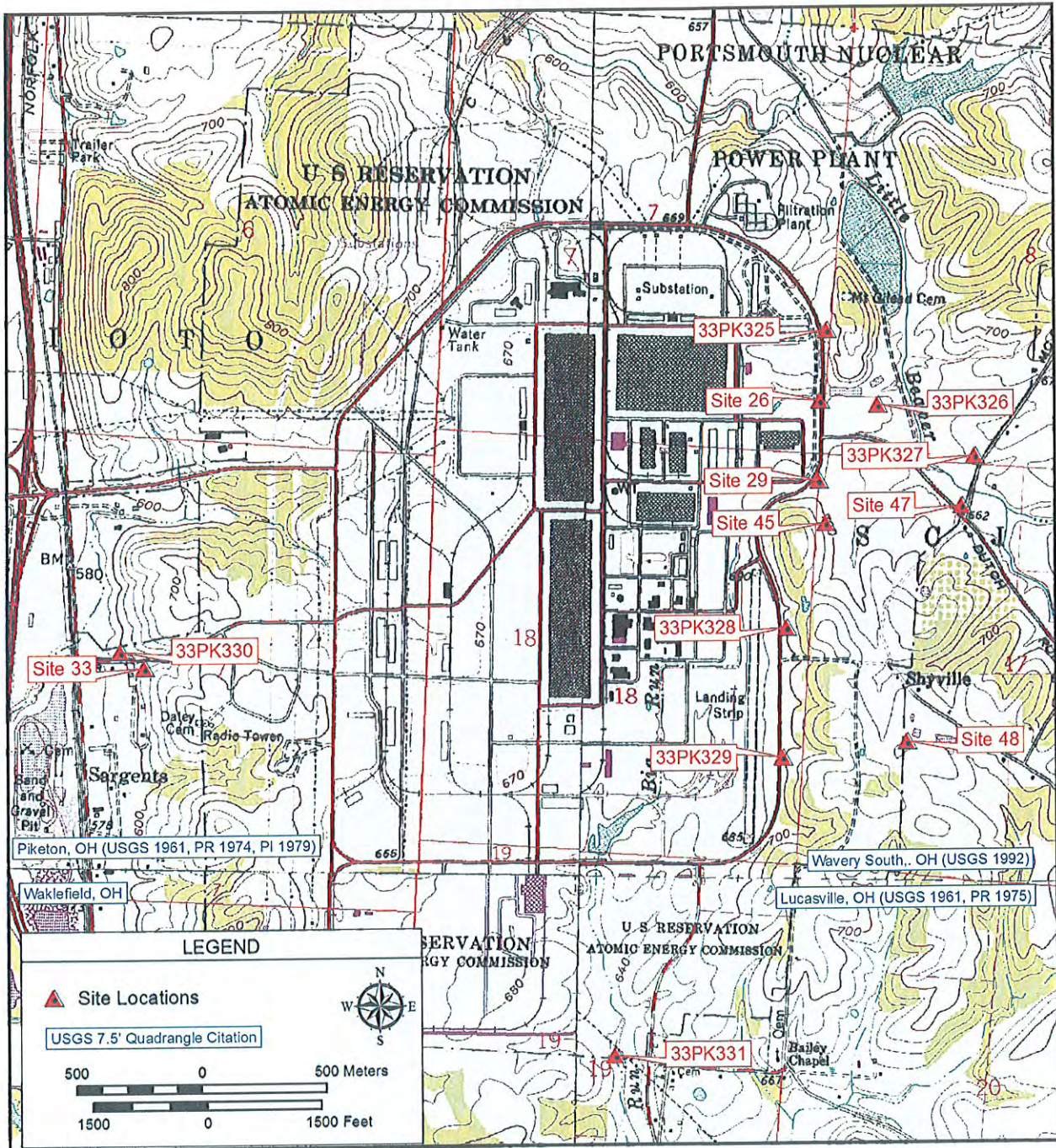
J. Continuation Section: Specify Section & Item (use additional Continuation Sheet(s) if necessary)

***K. Sketch Map or Copy of Project Map of Site**

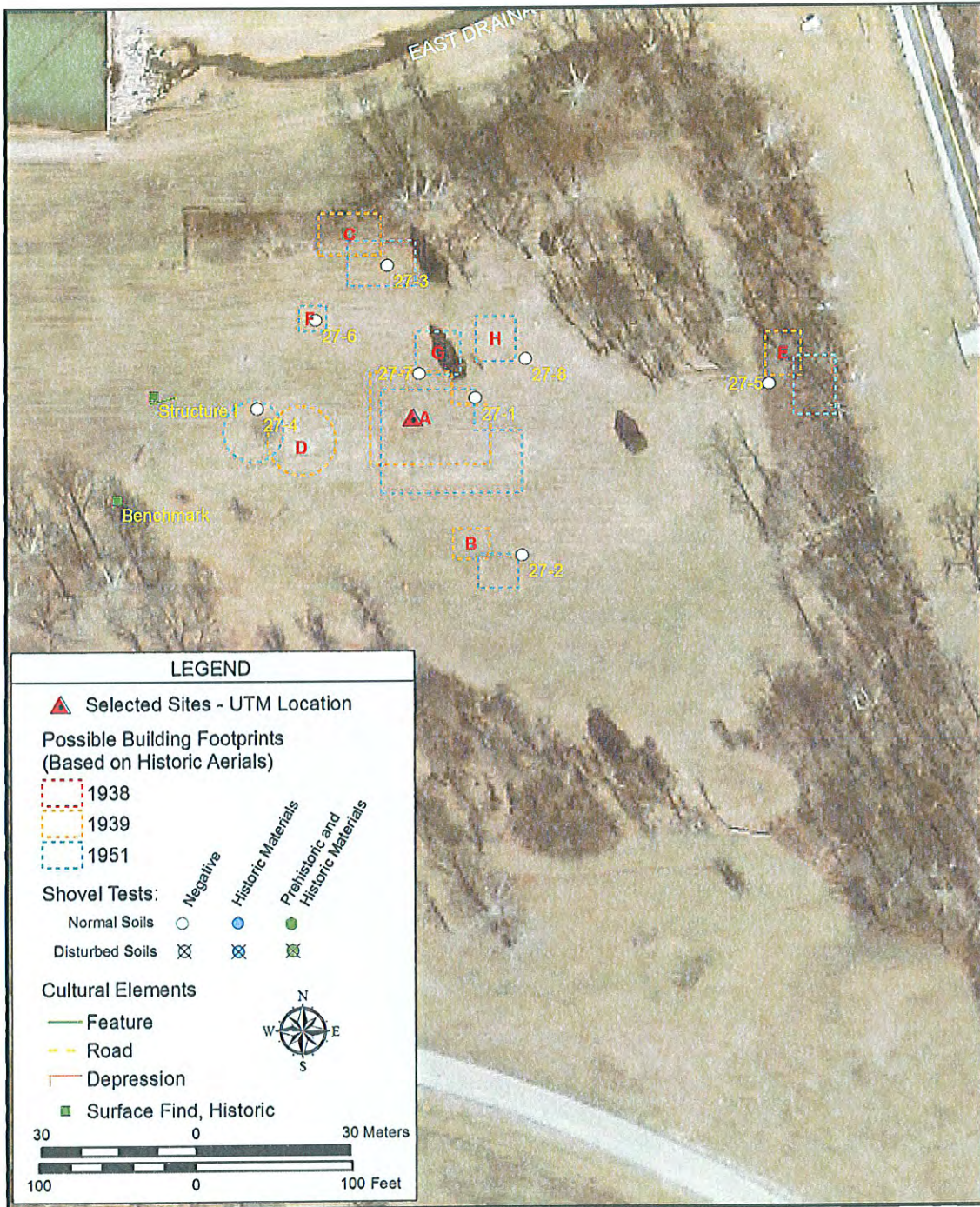
Include north arrow and scale. Attach a Xeroxed section of the appropriate U.S.G.S. quadrangle on a separate sheet. Outline total area surveyed and include locations of all identified sites on the Xero of the quadrangle.

See Attached

*Site Location Permanent Feature	Distance (m)	Direction/Bearing from Site to Terrain Feature



Gray & Pape Project No. 11-63201: PORTS,
Location of Sites 33PK325, 33PK326, 33PK327, 33PK328,
33PK329, 33PK330, and 33PK331, and
Project Sites 26, 29, 33, 45, 47, and 48, in
Scioto Township, Pike County, Ohio



2007 Aerial Photo Showing Resource 33PK326



OHIO ARCHAEOLOGICAL INVENTORY

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*Response required for acceptance of form

Coder _____

Date _____

A. Identification

- *1. Type of Form (select as many as appropriate):
 New Form Revised Form Transcribed Data
- 2. County PIKE *3. Trinomial State Site Number PK-325
- 4. Site Name(s) Perimeter Road Site
- 5. Project Site Number 25
- 6. Other State Site Number _____
- 7. Source (of Item A.5. and/or A.6.) _____

B. Location

- *1. UTM Zone 16 or 17
Easting 3 2 7 8 4 1 0
Northing 4 3 2 0 8 0 8 0
- 2. Latitude _____
Longitude _____
- *3. Township 4N Range 21W Not Applicable _____
Section 7 1/4 Section: SW SE NW NE
Township Name Scioto
- *4. Quadrangle Name WAVERLY South, Ohio 1 9 _____
- *5. Quadrangle Date 1992
- *6. Confident of Site Location Yes No

C. Ownership

- *1. Name(s) United States Department of Energy
Address _____
City/Town, State, Zip Pikeston, OH 45661
Phone (____) _____
- 2. Tenant (if any) _____
Address _____
City/Town, State, Zip _____
Phone (____) _____
- *3. Ownership Status (select only one, as appropriate):
 Private (single) Private (multiple) Local Govt.
 State Govt. Federal Govt. Multiple Govt.
 Mixed-Govt./Private Unknown

D. Temporal Affiliations

- *1. Affiliations Present (select only one, as appropriate):
 Prehistoric Historic Prehistoric and Historic
 Unknown Unrecorded

Site No. 33-
Plotted

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Prehistoric

*2. Prehistoric Temporal Period(s) Represented (select as many as appropriate)

Unassigned Prehistoric Paleoindian _____

Archaic: Unassigned Early Middle Late _____

Woodland: Unassigned Early Middle Late _____

Late Prehistoric Protohistoric Other (specify) _____

*3. Minimum Number of Prehistoric Temporal Periods Represented _____

*4. Basis for Assignment of Prehistoric Temporal Period(s) (select as many as appropriate):

Diagnostic Artifacts Diagnostic Features Radiometric _____

Unrecorded Other (specify) _____

5. Prehistoric Cultural Component(s) Represented (see manual):

a. _____

b. _____

c. _____

d. _____

e. _____

f. _____

6. Describe how Prehistoric Temporal Period(s) and Cultural Component(s) were determined (list diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features please specify Prehistoric Cultural Component(s) by using letter designations from Item D.5.

Researcher _____

*7. Categories of Prehistoric Materials Present at Site (select as many as appropriate)

Lithics Ceramics Metal Faunal Remains Floral Remains _____

Human Skeletal Remains Unrecorded Other (specify) _____

8. Specific Prehistoric Cultural Materials Collected:

Type	Count	Type	Count
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Historic

*9. Affiliation Present (select only one, as appropriate):

Aboriginal Non-Aboriginal Both Undetermined

*10. Historic Temporal Period(s) Represented (select as many as appropriate):

a. Pre-1795 b. 1796-1829 c. 1830-1849 _____

d. 1850-1879 e. 1880-1899 f. 1900-1929 _____

g. 1930-1949 h. 1950-1974 i. 1975-2000 _____

j. Historic k. 18th Century l. 19th Century _____

m. 20th Century n. Historic Aboriginal _____

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3

11. Minimum Number of Historic Temporal Periods Represented _____

12. Basis for Assignment of Historic Temporal Period(s) (select as many as appropriate):

- Diagnostic Artifacts Diagnostic Architectural Remains
- Diagnostic Features Documentary Evidence Oral Tradition
- Unrecorded Other (specify) _____

13. Describe how Historic Temporal Period(s) were determined (list any diagnostic architectural remains, diagnostic artifacts and/or features; include type names, attach photographs and/or illustrations, and identify researcher). When listing artifacts and/or features specify Historic Temporal Period(s) by using letter designations from Item D.10.

Temporal designation based on presence of homestead at this location on 1912 Oil & Gas Map and 1939 aerial photographs

Researcher _____

14. Functional Categories of Historic Materials Present at Site (select as many as appropriate):

- Kitchen Furniture Personal
- Toys & Games Printed Matter Religious/Ceremonial
- Military Weapons Transportation
- Architectural Misc. Hardware Const./Manufacturing Tools
- Agricultural Fuel/Energy Food Remains
- Clothing Unrecorded Unknown
- Other (specify) _____

15. Specific Historic Cultural Materials Collected:

Type	Count	Type	Count

General

16. Describe Prehistoric and/or Historic Cultural Materials observed but not collected. State reason(s) for not collecting.

Three wire nail fragments were not collected ... Not in scope of work

17. Affiliated Ohio Historic Inventory Site Number and Name:

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E. Physical Description

*1. Archaeological Setting (select only one, as appropriate):

- Rockshelter/Cave
- Open
- Unrecorded
- Unknown
- Submerged
- Other (specify) _____

*2. Prehistoric Site (select as many as appropriate):

- Habitation: Camp Village Hamlet Unspecified Habitation
- Extractive: Quarry Workshop
- Ceremonial: Unspecified Mound Earth Mound Stone Mound
- Effigy Mound Mound Group Hilltop Enclosure
- Geometrical Earthwork Cemetery Isolated Burial(s)
- Petroglyph/Pictograph
- Other: Unknown Unrecorded Other (specify) _____

*3. Historic Site Type (select as many as appropriate):

- Residential Commercial Social Government
- Religious Educational Mortuary Recreation
- Subsistence Industrial Health Care Military
- Transportation Unrecorded Unknown
- Other (specify) _____

4. State the bases on which site type assignment(s) were made.

Basis made by examination, 1905
 Oil and gas map as well as aerial photographs
 showing location of residence at this location

*5. Site Condition (select only one, as appropriate):

- Undisturbed
- Disturbed - Extent Unknown
- Fully Disturbed
- Destroyed
- Unrecorded
- Unknown

*6. Dominant Agent(s) of Disturbance (select as many as appropriate):

- None Apparent Agriculture Historic Construction Water
- Transportation Archaeological Excavation Mining Vandalism
- Unrecorded Other (specify) _____

7. Nature of Disturbance/Destruction:

Roadway Construction

*8. Current Dominant Land Use (see manual):

Industrial

9. Land Use History:

In late 19th - early 20th century
 area used for agriculture purposes. In 1950s
 Atomic Energy Commission purchased land for
 development

*10. Site Elevation 207 Meters A.M.S.L. (elevation to be taken from UTM point)

*11. Physiographic Setting of Site (select only one, as appropriate):

- Lake Plain Lexington Peneplain Unglaciaded Plateau
- Till Plain Glaciaded Plateau Unrecorded

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*12. Glacial Geomorphology (select only one, as appropriate):

- Not Applicable _____ Wisconsin End/Lateral Moraine _____
- _____ Kansan Ground Moraine _____ Wisconsin Kame/Kettle/Esker/Drumlin _____
- _____ Illinoian Ground Moraine _____ Wisconsin Lacustrine Deposit _____
- _____ Illinoian Outwash _____ Post Wisconsin Lacustrine Deposit _____
- _____ Wisconsin Ground Moraine _____ Wisconsin Outwash _____
- _____ Unrecorded _____ Other (specify) _____

*13. Regional Geomorphological Setting (select only one, as appropriate):

- _____ Stream Valley _____ Upland Hill Slope _____ Beach Ridge _____
- Hill or Ridge Top _____ Lake Plains Interfluvial Zone _____ Unrecorded _____

*14. Local Environmental Setting (select only one, as appropriate):

- Terrace: _____ Unknown _____ T-1 _____ T-2 _____ T-3 _____ T-4 _____
- _____ Beach Ridge _____ Terrace Remnant _____ Natural Levee _____ Floodplain _____
- _____ Low Rise on Floodplain _____ Alluvium _____ Island _____ Kame _____ Drumlin _____
- _____ Esker _____ Moraine _____ Glacial Hummock _____ Wetland Hummock _____
- _____ Bluff _____ Bluff Base _____ Bluff Edge _____ Saddle _____ Hill or Ridge Top _____
- _____ Closed Depression _____ Unrecorded Other (specify) Bench _____

*15. Soils:

Soil Association Ste locta - Latham

Soil Series-Phase/Complex LdD - Latham - Wharton silt loam

Reference Henderson, Robert L. 1990

*16. Down Slope Direction (select only one, as appropriate):

- _____ N _____ NW _____ NE _____ E _____ All _____ Flat _____
- _____ S SW _____ SE _____ W _____ Unrecorded _____

*17. Slope Gradient (percent) 2% Unrecorded _____

*18. Drainage System (see manual):

Major Drainage Ohio River

Minor Drainage Scioto River

*19. Closest Water Source (select only one, as appropriate):

- Name: Little Beaver Creek
- Permanent Stream _____ Lake/Pond _____ Ephemeral Stream _____
 - _____ Permanent Spring _____ Swamp/Bog _____ Intermittent Spring/Seep _____
 - _____ Slough/Oxbow Lake _____ Artificial Lake/Pond (historic sites only) _____
 - _____ Artificial Stream/Ditch (historic sites only) _____ Unrecorded _____
 - _____ Other (specify) _____

*20. Horizontal Distance to Closest Water Source 330 (meters from UTM point) _____

21. Elevation Above Closest Water Source _____ (meters A.M.S.L. from UTM point)

F. Reporting Information

*1. Investigation Type (select as many as appropriate):

- _____ Reported _____ Examination of Collection _____ Surface Collection _____
- _____ Auger/Soil Corer Shovel Test(s) _____ Test Pit(s) _____ Test Trench(es) _____
- _____ Deep Test(s) _____ PZ or Humus Removal _____ Testing/Excav. (strategy unknown) _____
- _____ Mitigation/Block Excavation Aerial Photograph _____
- _____ Remote Sensing (specify) _____
- _____ Chemical Analysis (specify) _____
- _____ Unrecorded _____ Other (specify) _____

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*2. Surface Collection Strategy (select as many as appropriate):

- Not Applicable Grab Sample Diagnostics
- Controlled-Unknown Controlled-Total
- Controlled-Sample Unrecorded
- Other (specify) _____

3. If surface collection strategy is Controlled-Total, Controlled-Sample, or Other, describe methodology and percentage.

4. Surface Visibility (select only one, as appropriate):

- None Less than 10% 11-50%
- 51-90% 91-100% Unrecorded

5. Describe surface conditions.

Area overgrown with grass & scrub brush

*6. Site Area (square meters) 1 m²

Unrecorded _____

*7. Basis for Site Area Estimate (select only one, as appropriate):

- Gessed Historic Maps Aerial Photograph Paced
- Taped Transit/Alidade Range Finder Unrecorded
- Other (specify) Artifacts found in shovel test

*8. Confident of Site Boundaries: No Yes Unrecorded

9. Estimated Percentage of Site Excavated Unrecorded Unknown _____

*10. Name of Form Preparer PATRICK D. TRADER

*11. Institution GRAY & PAPE, INC.

*12. Date of Form (year/month) 8/1/11

2 0 ____/____

*13. Field Date (year/month) 7/11

2 0 ____/____

14. Time Spent at Site 2 hours

15. Weather Conditions SUNNY, hot

16. Name(s), Address(es), Phone Number(s) of Local Informants

N/A

*17. Artifact Repository (ies) N/A

18. Name(s), Address(es), Phone Number(s) of Owners of Collections From Site (attach inventories of private collections).

N/A

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19. Photographs (select as many as appropriate): *N/A*

No. of Slides _____ No. of Prints _____

Aerials: _____ Black/White _____ Color _____ Infrared

20. Name and Address of Institution Where Photos Are Filed (include photo log number if available)

N/A

21. National Register Status (select only one, as appropriate):

_____ National Register Property† _____

_____ Determined Eligible for National Register† _____

_____ National Register Status Not Assessed _____

_____ Removed from National Register† _____

Determined Not Eligible† _____

†Determination made by Keeper of the National Register (date) _____

22. State Registry Status (select only one, as appropriate)

_____ State Registry Listed† _____

_____ Not Assessed for State Registry _____

Removed from State Registry† _____

_____ Determined Not Eligible† _____

†Determination made by Ohio Historical Society (date) _____

23. Discuss the potential significance of the site (does it meet National Register and/or State Registry criteria of significance in your opinion? Why or why not? Upon what evidence have you based your opinion?)

Site identified during archaeological

reconnaissance - low density historic site (3 wire nail fragments)

The remainder of site was disturbed or likely destroyed

when roads constructed for Portsmouth Casserock P. diffusion Plant.

Site considered not eligible to NRHP

24. Special Status (select only one, as appropriate):

None _____ Wilderness Area _____ Wildlife Preserve _____

_____ Park _____ Scenic River _____ Nature Preserve _____

_____ Forest _____ Military Installation _____ Archaeological Preserve _____

_____ Archaeological District _____ Unknown _____

_____ Other (specify) _____

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***G. References** - List Primary Documentary References (see manual):

1. 1905 Oil and Gas Map, Scioto Township
2. 1952 pre-construction topographic map prepared by the Tennessee Valley Authority Maps and Survey Branch
3. _____

H. Radiometric Dates

1. Material(s) Dated _____
 Date (uncorrected C14 years) _____
 Laboratory _____
 Sample # _____
 Reference(s) _____
2. Material(s) Dated _____
 Date (uncorrected C14 years) _____
 Laboratory _____
 Sample # _____
 Reference(s) _____
3. Additional Radiometric Dates Yes _____ No _____
 (use Continuation Section to list other dates)

I. Description of Site

1. State physical description of the site and its setting, including dimensions, features (with measurements), nature and location of artifacts and concentrations, extent and location of disturbances, etc.

Site is a low density historic archaeological site found east of Perimeter Road and an abandoned road bed on a bench. Only a single positive shovel test was recorded with 3 wire nail fragments. The majority of site was likely disturbed or destroyed by roadway construction or utility installation. The 1905 oil and gas map and 1939 aerial photograph illustrates several structures at this location.

*2. Discuss the relationship between the site and other known sites in the area in terms of location, physical characteristics, size, etc.

According to the 1905 Oil & Gas Map,
there are several other homesteads / farmsteads
located nearby. These other sites also
include the Mt. Gilead Church found
northeast of the site.

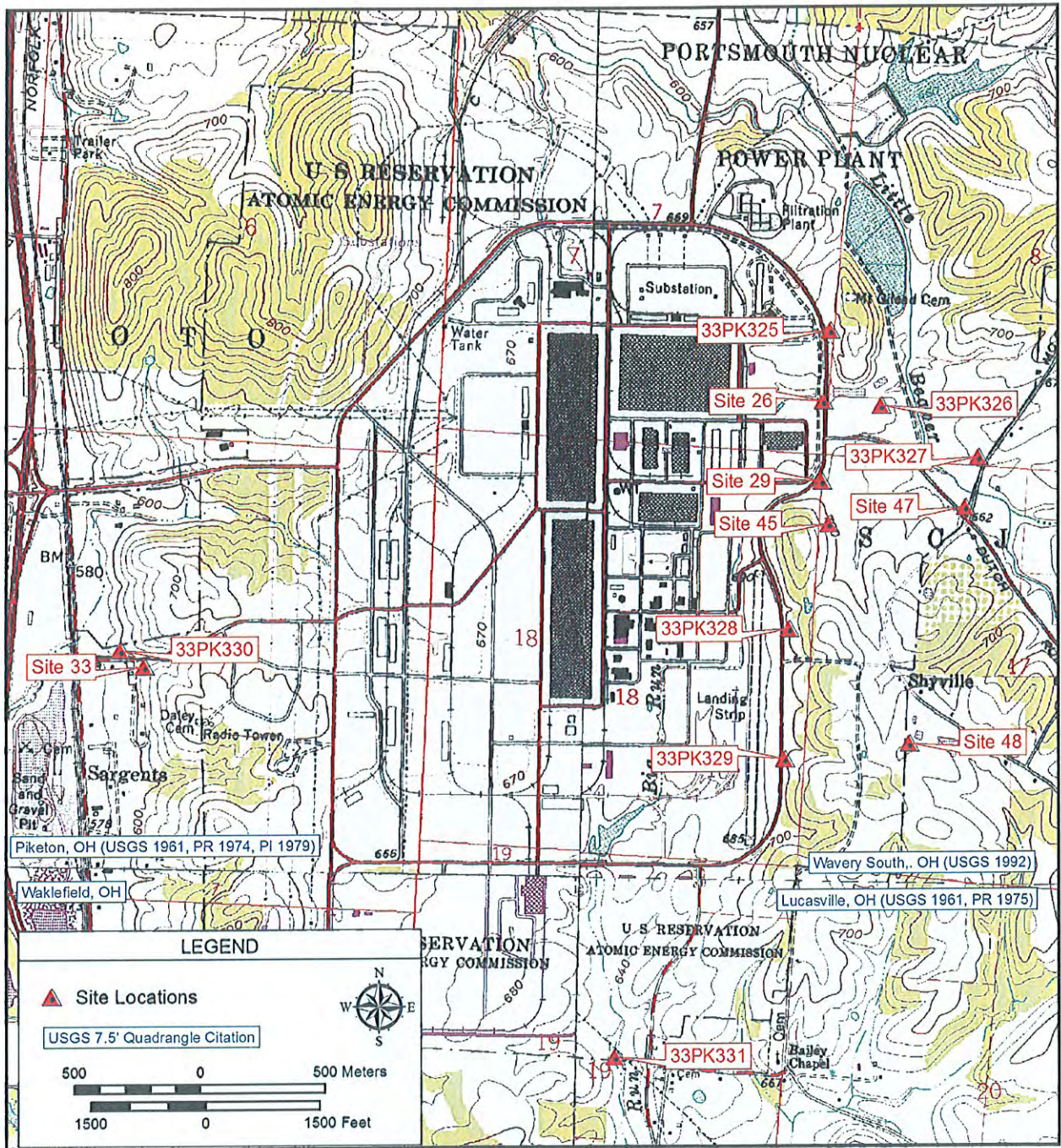
J. Continuation Section: Specify Section & Item (use additional Continuation Sheet(s) if necessary)

***K. Sketch Map or Copy of Project Map of Site**

Include north arrow and scale. Attach a Xeroxed section of the appropriate U.S.G.S. quadrangle on a separate sheet. Outline total area surveyed and include locations of all identified sites on the Xero of the quadrangle.

See Attached

*Site Location Permanent Feature	Distance (m)	Direction/Bearing from Site to Terrain Feature



Gray & Pape Project No. 11-63201: PORTS,
 Location of Sites 33PK325, 33PK326, 33PK327, 33PK328,
 33PK329, 33PK330, and 33PK331, and
 Project Sites 26, 29, 33, 45, 47, and 48, in
 Scioto Township, Pike County, Ohio



2007 Aerial Photo Showing Resource 33PK325