Phase 1B Archeological Survey

Copenhagen Wind Farm

Town of Denmark, Lewis County, and
Towns of Champion and Rutland, Jefferson County, New York

Prepared for:

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January 2014

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MANAGEMENT SUMMARY

SHPO Project Review Number:	12PR02853
Involved State and Federal Agencies:	Town of Denmark Planning Board (SEQRA) NYSDEC SPDES General Permit U.S. Army Corps of Engineers Wetlands Permit
Phase of Survey:	Phase 1B Archeological Survey
Location Information:	Town of Denmark, Lewis County (Wind Project) and Towns of Champion and Rutland, Jefferson County, New York (Transmission Line)
Survey Area:	
Project Description:	47 wind turbines and associated infrastructure 8.4-mile-long 115kV transmission line
Project Area:	Approximately 9,705 acres (342.8 acres within the APE)
USGS 7.5-Minute Quadrangle Maps:	*Rutland Center, Copenhagen, Carthage, New Boston, West Lowville*
Archeological Survey Overview:	
Number/interval of shovel tests:	3,425 @ 5-meter (16 foot) intervals
Number/size of excavation units:	n/a (Phase 1B only)
Pedestrian surface survey:	402 acres
Surface survey transect interval:	Approximately 5-meters (16 feet) or less
Report Authors:	T. Arron Kotlensky, RPA Patrick J. Heaton, RPA Grant Johnson
Date of Report:	January 2014

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1.0 INTRODUCTION

1.1 Purpose of the Investigation

On behalf of Copenhagen Wind Farm, LLC, Environmental Design & Research, Landscape Architecture, Engineering, and Environmental Services, D.P.C. (EDR) conducted a Phase 1B archeological survey for the proposed Copenhagen Wind Farm, located in the Town of Denmark, in Lewis County, New York. The purpose of the Phase 1B survey is to determine whether archeological sites are located in the areas that may be affected by the proposed Project. The information included in this Phase 1B archeological survey report is intended to assist the Town of Denmark Planning Board in their review of the proposed project under the State Environmental Quality Review Act (SEQRA). The Phase 1B survey was conducted under the supervision of a Registered Professional Archeologist (RPA) in a manner consistent with the *New York State Historic Preservation Office Guidelines for Wind Farm Development Cultural Resources Survey Work* (the *SHPO Wind Guidelines*) issued by the New York State Office of Parks, Recreation, and Historic Preservation (NYSOPRHP) in 2006. The Phase 1B report was prepared in accordance with NYSOPRHP's *Phase 1 Archeological Report Format Requirements* (NYSOPRHP, 2005).

1.2 Project Location and Description

Copenhagen Wind Farm, LLC is proposing to develop a wind-powered electric generating facility (the Project) in the Town of Denmark, Lewis County, New York (see Figure 1). The Project also includes a proposed 8.4-mile, 115-kilovolt (kV) Transmission Line that will be located in the Towns of Champion and Rutland in Jefferson County, New York. The proposed wind-generating facility Project site is located on a several ridges and hilltops in the Town of Denmark. The Project site consists of open fields, mature forests, areas of successional shrubland and wetlands, with elevations in the range of 835 to 1,500 feet above mean sea level (amsl). Land use within the Project site is dominated by active and reverting agricultural land. With the exception of the Village of Copenhagen, the area surrounding the Project is primarily undeveloped, with farms and rural residences interspersed along area roadways. In addition to the Village of Copenhagen (population of approximately 800), more concentrated development also occurs in the nearby City of Watertown and Villages of Carthage, West Carthage and Castorland.

Since the time that the DEIS was released, some adjustments to the Project layout have occurred. As indicated in the DEIS (and Phase 1A Cultural Resources Survey), 62 turbine locations were presented, among which 49 sites were to be selected for turbine construction and operation. Consistent with the DEIS the Project has been reduced. Specifically, the 62 proposed turbine locations have been reduced to 47 sites, and the size and capacity of turbines has been modified slightly. The make and model of the turbine proposed in the DEIS was the GE 1.6 - 100 wind turbine currently with a rated capacity of 1.62 MW, and a diameter of 100 meters (328 feet), mounted on a 96-meter

(315-foot) tubular steel tower (total height 150 meters (492 feet). The currently proposed turbine make and model is the GE 1.7 – 100 wind turbine, with a rated capacity of 1.7 MW and the same blade and tower dimensions.

As presently envisioned, the Project is anticipated to include up to 47 wind turbines with a rated capacity of 1.7 megawatts (MW), for a total generating capacity up to 79.9 MW. Each wind turbine will include a three-bladed upwind rotor, with a diameter of 100 meters (328 feet), mounted on a 96-meter (315-foot) tubular steel tower (total height 150 meters (492 feet). The Project will also involve construction of approximately 14 miles of gravel access roads, approximately 21 miles of buried or overhead 34.5 kV electrical collector lines, a collection substation, an operations and maintenance facility, and three permanent 100-meter (328 feet) tall meteorological towers, located in the Town of Denmark, Lewis County[1]. To deliver power to the New York State power grid, the Project sponsor proposes to construct an 8.4-mile 115kV electrical interconnection line on wooden or steel pole structures within a right-of-way (ROW) located in the Towns of Rutland and Champion in Jefferson County. The interconnection line will run from a collection substation located north of Route 12 in the Town of Denmark to the National Grid East Watertown substation via a new Point of Interconnection (POI) station located adjacent to the National Grid Black River – Lighthouse Hill 115kV transmission line in the Town of Rutland. See Figure 2 for the proposed Project layout.

[1] Subsequent to the DEIS (and Phase 1A) and as part of the SEQRA review of the Project, adjustments have been made to the locations of proposed turbines, access roads, electrical collection lines, collection and transforming stations, O&M facility location, and the temporary laydown yard location. These modifications were incorporated as a result of detailed on-site engineering analyses, landowner negotiations and requests, efforts to avoid or minimize impacts to water resources and archeological sites, and suggestions made by the New York State Department of Environmental Conservation (NYSDEC) and New York State Department of Agriculture and Markets (NYSA&M). The NYSDEC and NYSA&M suggested changes were reviewed by Project engineers and the Project Sponsor, and those changes that were deemed feasible from an engineering perspective have been incorporated into the layout, and have further reduced impacts to archeological resources, water resources, forestland, and agricultural land.

2.0 BACKGROUND AND RESEARCH DESIGN

2.1 NYSOPRHP Consultation

EDR previously prepared a Phase 1A Cultural Resources Survey (EDR, 2013a), which was included in the DEIS for the Project (EDR, 2013b) and was submitted to the NYSOPRHP for review and comment on March 7, 2013 (transmittal included in Appendix A). The Phase 1A report included an inventory of previously identified archeological sites within five miles of the Project. In addition, the Phase 1A report included the recommendation that a Phase 1B archeological survey be conducted prior to the construction of the Project in accordance with the *SHPO Wind Guidelines* (NYSOPRHP, 2006).

In correspondence dated June 5, 2013, NYSOPRHP concurred with the recommendations included in the Phase 1A report, which included the recommendation that an archeological survey be completed in accordance with the *SHPO Wind Guidelines* (see Appendix A).

On August 29, 2013, EDR provided a Phase 1B Archeological Survey Work Plan (EDR, 2013c;) to NYSOPRHP, which described EDR's intended approach for the archeological survey. The Work Plan is included as Appendix B and summarized in Section 2.4 of this report. In correspondence dated September 18, 2013, NYSOPRHP concurred with EDR's recommendations for the Phase 1B archeological survey presented in the Work Plan.

In summary, the scope of the Phase 1B archeological survey described herein was developed in consultation with NYSOPRHP as described above and memorialized in correspondence included in Appendix A. The scope (or research design) for the Phase 1B survey is further described in Appendix B and Section 2.4 of this report.

2.2 Summary of Phase 1A Report Relative to Archeological Resources

Relative to the potential for archeological sites to be located in the Project site, the Phase 1A cultural resources survey for the Project (see EDR, 2013a) provided the following conclusions:

- There are no previously reported archeological sites located within the wind generating facility Project site, and more generally there are relatively few previously reported Native American archeological sites located on the Tug Hill Plateau (Beauchamp, 1900; Einhorn, 1969; Parker, 1922). Native American archeological sites that have been identified on Tug Hill typically consist of only one or a few artifacts resulting in small and ephemeral archeological sites, which appear to represent short term hunting or foraging (Einhorn, 1969). In general, the wind generating facility Project site can be considered to have relatively low potential for Native American archeological sites to be present.

- There are three Native American archeological sites (New York State Museum [NYSM] Sites 3465, 3538, and 3539) located within the portion of the proposed Transmission Line Corridor located north of New York State Route 12 and south of Middle Road (County Route 160) in Jefferson County (see Figure 3). These sites are described as "traces of occupation" reported in the *Archaeological History of New York State* (Parker, 1922), which implies a general area from which Native American artifacts have been recovered or reported. This site description usually indicates the presence of small camp sites and/or lithic scatters. These sites are located at or around the locations where the proposed Transmission Line Corridor crosses the headwaters of Boynton, Jacob, and Sandy Creeks. Based on the locations of these sites, those portions of the proposed Transmission Line Corridor located in the vicinity (i.e., within approximately 200 feet) of stream crossings and/or associated wetlands should be considered as having a moderate to high potential for Native American archeological sites to be present. Other portions of the proposed Transmission Line Corridor (i.e., those located away from streams and wetlands) should be considered as having a low to moderate potential for Native American archeological sites to be present.
- The Phase 1A report (EDR, 2013a) provided a detailed historic context for the Project site and study area, which is not repeated herein, but is instead incorporated by reference.
- Historic-period archeological sites located in the vicinity of the Project site could include settlements, farms, or early industrial sites (e.g., mills) dating from the nineteenth and early-twentieth centuries. The locations of nineteenth-century structures within and near the Project site and Transmission Line Corridor are shown on historic maps included in the Phase 1A report (e.g., Beers, 1864, 1875; Robinson, 1888; USGS, 1904, 1909; see EDR, 2013a). The locations of map-documented structures (MDS) within the Project site are shown on Figure 4 and are generally located adjacent to existing roadways. In some instances MDS represent existing buildings and/or farms. In other instances, the MDS are abandoned structures that now may be represented only by archeological remains. Potential archeological resources associated with these MDS could include abandoned farmstead sites, wherein the complete residential and agricultural complex consisting of foundations, structural remains, artifact scatters, and other features, would constitute an archeological site. In other locations more limited remains of these complexes, perhaps represented by only a foundation or an artifact scatter, may be extant. Areas located in the immediate vicinity (within approximately 200 feet) of MDS locations should be considered as having a high potential for the presence of historic-period archeological resources. The remaining portions of the Project site exhibit minimal (if any) likelihood for significant historic period archeological sites to be present.

2.3 Project's Area of Potential Effect for Archeological Resources

Proposed construction of the Project will include ground disturbing activities that have the potential to impact archaeological resources. The area of potential effect (APE) for archeological resources includes all areas within the

limits of disturbance for proposed construction activities. These areas include proposed turbine pad and assembly areas, access roads, buried collection lines, laydown and staging areas, operations and maintenance facilities, and other all other areas where construction activities are proposed. Any archeological sites located within the Project site but that are not within the limits of disturbance for proposed Project facilities will not be affected by the Project.

The descriptions below characterize anticipated limits of soil disturbance for each Project component (see Figure 2), which cumulatively make up the Copenhagen Wind Farm's archeological APE. For purposes of describing the APE, the areas of disturbance listed below represent the temporary extent of soil disturbance anticipated to occur during Project construction and do not represent permanent soil disturbance associated with the Project.

- *Wind Turbines.* A 200-foot radius around each of the 47 proposed turbine sites will be temporarily stripped of topsoil and graded to create a workspace for turbine assembly and erection. This will result in soil disturbance of approximately 2.9 acres per turbine.
- *Access Roads.* The Project is proposed to include approximately 14 miles of gravel-surface access roads. The minimum permanent width of access roads will be 20 feet. However, Project construction will necessitate a 100 foot-wide road corridor cleared of vegetation within wooded areas and a 40-foot corridor in cultivated areas or open fields to accommodate crane movement and oversized vehicles delivering turbine components and during turbine construction.
- *Buried Electrical Lines.* The Project is proposed to include approximately 21 miles of 34.5 kV buried electrical lines. Electrical collection lines will be installed within a trench three to four feet-deep, and will require a construction corridor up to 50 feet wide. The actual width of disturbance in a given location will be dependent on the number of circuits being installed (but will not exceed 50 feet). In many instances, the areas to be disturbed for buried electrical lines are collocated along the proposed routes of access roads, which minimizes the area of total soil disturbance for the Project.
- *Meteorological Tower.* Three permanent meteorological towers are proposed for the Project and their construction is conservatively assumed to result in up to one acre of soil disturbance per tower.
- *Staging Area.* One staging area up to eight acres in size is proposed for the Project. Construction of the staging area will include stripping/stockpiling topsoil, grading and compacting the subsoil, and installation of geotextile fabric and gravel.
- *O&M facility.* Construction of the proposed O&M facility is anticipated to require up to 3.5 acres of soil disturbance.
- *Substation/Switchyard.* The Project will require a point of collection substation and interconnection switchyard to allow connection to the existing power grid. Construction of these facilities is anticipated to disturb approximately three acres.

- *Transmission Line.* Construction of the 8.4-mile transmission line is anticipated to disturb a corridor 100 feet wide. This represents a conservative estimate because in open/active agricultural areas where no vegetation clearing will be necessary disturbance will be limited to pole locations, which will not require ground disturbance of the entire 100-foot-wide corridor. Ground disturbance in agricultural/open field areas will be limited to an approximately 1,600 square-foot area at each proposed pole location.

Based on the revised Project layout and these impact assumptions, the archeological APE for the Project is 342.8 acres in size. Note that this represents the total area that will be temporarily disturbed during construction. Following construction, the operating Project is anticipated to have a permanent footprint that is significantly smaller and the remaining portions of the APE will be restored following Project construction. At the time that the Work Plan was prepared, the layout and assumptions regarding temporary disturbance resulted in an archeological APE of 451 acres. The level of effort for the Phase 1B archeological fieldwork (see Section 3) was based on the size of the APE as presented in the Work Plan. Therefore, the amount of archeological survey fieldwork conducted for the Project exceeds the required level of effort (per the *SHPO Wind Guidelines*) that would have been necessary to survey the APE for the revised Project layout.

2.4 Phase 1B Archeological Survey Research Design

As described in the Phase 1B Archeological Work Plan (EDR, 2013c; see Appendix B), the *SHPO Wind Guidelines* suggest following the approach detailed in *Archeological Investigations in the Upper Susquehanna Valley, New York State* (Funk, 1993a, 1993b) in the design of archeological surveys for wind projects. The approach involves identification of broad environmental zones with local habitat (or landscape class) subdivisions and design of the archeological survey to include intensive sampling of selected areas within each of the identified landscape classes, rather than undertaking an even distribution of sampling throughout the APE. Following this approach, EDR used Geographic Information System (GIS) software to identify landscape classes within the Copenhagen Wind Farm Project site and used this information to design the proposed archeological sampling strategy.

EDR performed a GIS-based landscape classification analysis for the Project site in accordance with the *SHPO Wind Guidelines* (EDR, 2013c; see Appendix B). Based on this analysis, EDR determined that the Project site includes both valley wall and upland, or interfluve, environmental zones. These two environmental zones were further divided into the following seven landscape classes identified within the Project site (see Figure 5):

1. Upland near streams
2. Upland near wetlands
3. Upland without associated water features
4. Valley Wall near streams

5. Valley Wall near wetlands
6. Valley Wall without associated water features
7. Steep slopes (>12%)

The resulting landscape classification for the Project is presented in Table 1 and Figure 5. Table 1 provides the acreage of the revised archeological APE (described in Section 2.3) associated with each Project component within each of the identified landscape classes. Note that these data reflect changes in the Project layout and refined assumptions for the limits of temporary disturbance for some Project components that have occurred subsequent to the submission of the Work Plan to NYSOPRHP, as described in Sections 1.2 and 2.3. Review and revision of the Project layout has been ongoing during the SEQRA review of the Project. Subsequent to the release of the DEIS (EDR, 2013b), the Project layout has been refined (in large part to avoid and/or minimize impacts to wetlands and other environmental factors). Figure 5 depicts the extent of the seven landscape classes within the Project Area in relation to the current proposed Project layout.

Table 1. Archeological APE by Project Component and Landscape Class for Revised Project Layout.

Landscape Classification	Archeological APE by Project Component (Acres)					Total Archeological APE (Acres)
	Wind Turbines	Access Road[1]	34.5 kV Buried and Overhead Interconnect[1]	115 kV Transmission Line	Substations, Met Towers, O&M Facility and Staging Area	
Steep Slopes (>12%)	2.8	1.7	5.5	1.3	-	**11.3**
Upland						
No Associated Water	89.0	43.9	48.1	1.7	11.0	**193.7**
Near Wetland	38.1	21.5	21.4	1.9	1.5	**84.4**
Near Stream	2.6	2.4	2.6	-	-	**7.6**
Valley Wall						
No Associated Water	2.7	0.8	5.4	14.2	2.7	**25.8**
Near Wetland	-	1.7	1.0	11.9	2.3	**16.9**
Near Stream	-	-	1.6	1.5	-	**3.1**
Total	**135.2**	**72.0**	**85.6**	**32.5**	**17.5**	**342.8**

[1]In areas where access roads or buried electrical lines overlap turbine workspaces, the overlapping acreage is included under turbine workspaces (and excluded from access road and buried electrical lines) to avoid duplication. Similarly, in areas where buried electrical lines are within the access road width of disturbance, the overlapping acreage is included under access roads.

As shown in Table 1, approximately 285.7 acres of the APE occurs on uplands, 45.8 acres on valley walls, and 11.3 acres on steep slopes. A relatively small portion of the Project APE occurs near streams (only 10.7 acres of APE within 300 feet of a mapped stream). Areas of APE near wetlands are fairly common (84.4 acres on uplands and

16.9 acres on valley walls) but areas with no associated water features dominate (193.7 acres on uplands and 25.8 acres on valley walls).

The Phase 1B Archeological Work Plan (EDR, 2013c) for the Project indicated that the primary methods to be used during the archeological survey were pedestrian surface survey (in active agricultural settings where ground-surface visibility was greater than 80%), the excavation of shovel tests (in hayfields, forest, and shrubland areas), in pedestrian reconnaissance (in steeply sloped areas). The proposed Phase 1B survey methodology was designed in accordance with the 2006 *SHPO Wind Guidelines*. This approach entails using the acreage of the Project's archeological APE to determine the appropriate level of effort required for the Project, and then concentrating survey efforts within selected portions of each landscape class identified in the GIS model. In areas requiring shovel testing, the level of effort was calculated using the assumption of 16 shovel tests per acre.

Table 2 provides the research design for the Phase 1B Archeological Survey. The research design reflects the distribution of various landscape classes according to existing land cover/land use (e.g., agricultural fields, wooded area) and associated archeological survey methods (e.g., pedestrian surface survey, shovel testing), as appropriate.

Table 2. Summary of Archeological Survey Research Design by Landscape Class

Landscape Classification	Level of Effort per APE as Presented in the Work Plan		Level of Effort per APE Based on Revised Project Layout	
	Shovel Tests	Surface Survey (Acres)	Shovel Tests	Surface Survey (Acres)
Steep Slopes (>12%)	n/a	6.7	n/a	3.5
Upland				
No Associated Water	1,360	130.4	1,251	113.0
Near Wetland	627	50.5	607	45.6
Near Stream	40	3.3	64	3.3
Valley Wall				
No Associated Water	533	25.1	250	9.8
Near Wetland	512	16.7	216	3.3
Near Stream	184	7.6	34	1.0
Total	**3,256**	**240.3**	**2,422**	**179.5**

The locations of areas selected for intensive archeological sampling within the archeological APE were determined on a judgmental basis in the field under the direction of a Registered Professional Archeologist. Selection of areas for shovel testing, in accordance with the research design presented in Table 2, prioritized areas where proposed Project components are located in proximity to map-documented structures (MDS) that are depicted on historic maps of the area that were included in the Phase 1A report (see Figure 4).

3.0 PHASE 1B ARCHEOLOGICAL SURVEY

3.1 Phase 1B Archeological Survey Fieldwork Organization and Methods

EDR conducted Phase 1 archeological survey fieldwork at the Project site between June 25 and November 15, 2013. T. Arron Kotlensky, RPA and Patrick J. Heaton, RPA supervised fieldwork undertaken by Chris Bonn, Diane Bonn, Dustin Conklin, Nick Daller, Colin Ely, Sam Holmes, Connor Liddell, Francis McCormick, Kate Peresolak, Peter Sittig, Emily Stanfill, and Dan Trepal.

EDR conducted Phase 1B archeological survey fieldwork, within the limits of proposed disturbance for the Project, which included pedestrian surface survey in actively cultivated areas where ground surface visibility exceeded 70% (per NYSOPRHP's *Phase 1 Archeological Report Format Requirements* [NYSOPRHP, 2005]) and the excavation of shovel tests in areas where ground surface visibility was less than 70% (i.e., forested, idle/successional, hay fields, and lawn areas) also in accordance with the 1994 NYAC guidelines. The SHPO *Guidelines* (OPRHP 2006) call for the intensive archeological testing (i.e., completion of shovel tests at a 5-meter interval) within limited sample areas distributed throughout the various landscape types intersected by the Project's APE. The underlying assumption to this approach is that upland areas suitable to wind power development are most likely to include small and ephemeral pre-contact (Native American) archeological sites (such as lithic scatters and camp sites) that are unlikely to be identified according to the NYSOPRHP standard 15-meter shovel testing interval. In accordance with this guideline, EDR personnel completed shovel testing of individual archeological survey areas by close-interval patterns (5-meter spacing) within wooded, idle, and hayfield areas to adequately test landscape types intersected by the Project site. This included the following:

- At select wind turbine locations, EDR personnel established a shovel testing grid of seven transects with seven shovel tests, with shovel tests and transects spaced at a 5-meter interval, for a total of 49 shovel tests completed at each selected turbine site (see the inset on Figure 6 – Sheet 11 as an example of a typical turbine shovel test grid). EDR personnel typically aligned the grid according to magnetic north, with the grid centered on the proposed turbine site; however, EDR personnel occasionally offset the center of the grid or its alignment to accommodate local terrain or adjust for the presence of wetlands or other factors (see turbine 34 survey on Figure 6a for example). Per project design specifications, EDR assumed a 200 foot (61 m) radius of potential disturbance for each turbine site tested;
- At select generating site components (i.e., access roads, buried interconnect routes, collection point) and along the transmission line corridor, EDR personnel excavated shovel tests at 5-meter intervals along two to four transects, with transects spaced 5-meters apart for project components or co-located components (i.e., access roads and buried interconnects running parallel to each other). EDR personnel typically completed

between 30 and up to 150 shovel tests in surveyed areas at locations selected by EDR in accordance with the research design (EDR 2013c). Per project design specifications, EDR assumed disturbance from access roads to attain 40 feet in width, buried interconnect lines to attain 25 feet in width, and the transmission line to attain 20 feet in width, with additional project components (i.e., the O&M facility) shovel tested according to its proposed dimensions (see insets on Figure 6a as examples of a typical buried interconnect, access road, and transmission line shovel test grids).

For the purpose of organizing archeological fieldwork, EDR divided the Project site into five areas (designated as Areas A though E; see Figure 6), with individual archeological survey areas (including both shovel testing and pedestrian survey) numbered sequentially, beginning with "1" within each given area. These include:

- Area A, encompassing Project components situated between Plank and River Roads, located west of the Village of Copenhagen, within the Town of Denmark (Figure 6 – Sheets 2 - 7), and included 11 archeological survey areas (A1 - A11);
- Area B, encompassing Project components situated between Plank and Stoddard Roads, located northwest of the Village of Copenhagen, within the Town of Denmark, Lewis County (Figure 6 – Sheets 1, 8, and 9), and included six archeological survey areas (B1 – B6);
- Area C, encompassing Project components situated between Roberts Road and NY State Route 12, located east of the Village of Copenhagen, within the Town of Denmark, Lewis County (Figure 6 – Sheets 10 through 14, 20 and 21), and included 18 archeological survey areas (C1 – C18);
- Area D, encompassing Project components situated between Halifax Road and Number Three Road, located east of the Village of Copenhagen, within the Town of Denmark, Lewis County (Figure 6 – Sheets 15, 18, 19, 22, and 23), and included 20 archeological survey areas (D1 – D20);
- Area E, encompassing the Transmission Line corridor situated between NY State Route 12 and Middle and Plank Roads (County Routes 160 and 163), located west of the Village of Copenhagen, within the Towns of Champion, Homer, and Solon, Jefferson County (Figure 6 – Sheets 24 through 30), and included 27 archeological survey areas (E1 – E27).

EDR relied on shovel testing and pedestrian survey as the principal archeological survey methods for its Phase 1B investigation of the Project site. EDR personnel excavated shovel tests to a diameter of 12-20 inches (30-50 cm) and to a depth of at least 4 inches (10 cm) into the "B" horizon subsoil stratum or to the limits of practical hand excavation. EDR personnel recorded the locations of shovel tests with surveying-grade GPS equipment with real-time reported sub-meter accuracy (with all field data post-processed), while also noting shovel test locations on field maps. EDR field personnel passed excavated soils through one-quarter inch hardware cloth to ensure uniform

recovery of cultural material and recorded shovel test stratigraphic profile data on standardized field record sheets that included strata depth, Munsell soil colors, soil texture and inclusions, and any cultural materials (see Appendices D and E).

All recovered artifacts were placed in temporary field bags marked with standard provenice information and returned to EDR's Syracuse office for processing and placement in archival-grade polyethylene artifact bags. A complete listing of all recovered artifacts is included in Appendix F: Artifact Inventory. In addition to shovel testing data collection, supervising EDR personnel also recorded field notes on the methods and results of testing and photographed field activities, paying close attention to representative views that clearly documented environmental setting, context, and existing conditions of a given archeological survey area (Appendix C: Photographs 1-75). The locations of all 55 shovel tested archeological survey areas are depicted in Figure 6: Sheets 1 through 30.

In the event that EDR personnel discovered modern cultural material (approximately less than 50 years in age since manufacture) in a shovel test, such as plastic materials, modern bottle glass fragments, or mid- to late twentieth-century architectural materials, personnel noted the material on field forms but did not collect it for subsequent analysis and curation. Where pre-contact Native American and/or potentially significant historic-period artifacts were recovered from a shovel test, EDR personnel excavated additional "radial" shovel tests per the NYSOPRHP's *Phase 1 Archeological Report Format Requirements* (NYSOPRHP, 2005). The NYSOPRHP guidance indicates that when such material is recovered from an isolated shovel test, then up to eight additional shovel tests are to be excavated around the original discovery to determine whether the artifact/s represent an isolated find or suggest the presence of a more significant archeological feature or site. The additional eight shovel tests would be excavated at 1-meter and 3-meter intervals in cardinal directions (or as appropriate, based on the project), focused on the original shovel test. EDR did not recover any pre-contact materials from any shovel tests; however, EDR did complete a series of eight radial shovel tests focused on a pre-contact find identified during a pedestrian survey (Area D20), and did not recover any additional pre-contact material

EDR selected areas for intensive archeological sampling within the archeological APE on a judgmental basis in the field under the direction of a Registered Professional Archeologist. Selection of areas for shovel testing, in accordance with the research design presented in Table 2, prioritized testing of proposed Project components located within or in proximity to areas with higher probability of pre-contact (Native American) archeological sites (i.e., near to stream crossings and other perennial water courses and resources) and known map-documented structures (MDS) that are depicted on historic maps of the area, as reviewed in the Phase 1B work plan (see Figure 4, Appendix B). As a component of the archeological survey of the Project site, EDR personnel investigated the locations of map-documented structures (MDS) that are depicted on historic maps and atlases (georeferenced

through a GIS application) within or adjacent to the APE. The results of these investigations are detailed in Section 3.3, below. Historic cartographic resources consulted for the project included the 1864 Beers *Atlas of Jefferson County*, the 1875 Beers *Atlas of Lewis County*, the 1888 Robinson *Atlas of Jefferson County*, the 1904 USGS *Carthage, NY* 15-minute topographic survey, and 1909 USGS *Watertown, NY* 15-minute topographic survey. Details of these maps were included in the Phase 1A report for the Project (EDR 2013a) and are not reproduced here.

During the course of the Phase 1B fieldwork, EDR consulted with NYSOPRHP regarding the presentation of the stratigraphic profiles within this report. EDR noted that the majority of shovel tests within the Project site did not include cultural materials and proposed that only a sample of the shovel test stratigraphic profiles be included in tabular format within the report. EDR proposed that a 10% sample of the shovel tests, as well as all the shovel tests located in the vicinity of the MDS sites within the Project site, be included in tabular format in the report. NYSOPRHP concurred with this proposal (see Appendix A). Accordingly, stratigraphic profiles from a representative sample of shovel tests (10%) are included in tabular format in Appendix D of this report. Scanned copies of all shovel test field records are included in digital format as a PDF included on a CD as Appendix E of this report.

In archeological survey areas within active agricultural fields possessing greater than 70% ground visibility, EDR personnel conducted close interval (5-meter) pedestrian survey of a given Project component location and its encompassing area, and recorded the locations of any artifacts or artifact scatters of interest with GPS and field maps. The locations of all 27 pedestrian surveyed archeological survey areas are depicted in Figure 6: Sheets 1 through 30.

3.2 Phase 1B Archeological Survey Fieldwork Results

EDR personnel excavated a total of 3,425 shovel tests (equivalent to 214 acres at 16 shovel tests per acre) and pedestrian surveyed approximately 402 acres during the course of Phase 1B fieldwork for the Copenhagen Wind Farm project. Table 3 (below) summarizes EDR's investigation of the 88 total archeological survey areas, associated landscape classification zones, and results of fieldwork, while the locations of survey areas are depicted in Figure 6: Sheets 1 – 30. Following completion of the archeological fieldwork, Project component locations were revised in five instances based on the results of other environmental studies or other practical considerations (e.g., to avoid wetlands or due to property owner concerns). These include a segment of access road (Figure 6 – Sheet 11), a segment of buried interconnect line (Figure 6 – Sheet 19), a sub-station location (Figure 6 – Sheet 24), and turbines 47 and 54 (Figure 6 – Sheets 7 and 3). These do not include Project component revisions associated with historic archeological sites identified by EDR during the archeological survey (discussed in Section 3.3, below).

Table 3. Summary of Archeological Survey Results by EDR Survey Areas

EDR Survey Area	Associated Project Component(s)	Pedestrian Survey (in acres)	Shovel Tests Completed	Predominate Landscape Zone(s)	Sites Adjacent or Investigated	Figure 6: Map Sheet(s)	Photographs (Appendix C)
A1	Turbine 48; buried interconnect	15.8	-	Upland - near wetland, no water	-	7	1
A2	Turbine 48; buried interconnect	12.02	-	Upland - near wetland, no water	-	7	2
A3	Turbine 48; buried interconnect	6.21	-	Upland - near wetland, no water	-	7	-
A4	Turbine 54; buried interconnect; access road	-	49	Upland - no water	-	3	3
A5	Turbine 34; buried interconnect; access road	-	49	Upland - near wetland	-	6	4
A6	Turbine 47; buried interconnect; access road	-	49	Upland - no water	-	7	5
A7	Turbine 31; buried interconnect; access road	-	49	Upland - near wetland	-	4	6
A8	Turbine 32; buried interconnect; access road	-	49	Upland - no water, near wetland	-	4	7
A9	Buried interconnect; access road	-	150	Upland - near wetland	-	4	8
A10	Buried interconnect	-	100	Upland - near wetland, no water	-	4	9
A11	Turbine 54; buried interconnect; access road	5.9	-	Upland - no water, near wetland	-	2, 3	10
B1	Turbine 35; buried interconnect; access road	11.6	-	Upland - near wetland, no water	-	1	11
B2	Turbine 38; buried interconnect; access road	18.15	-	Upland - near wetland, no water	-	8	12
B3	Turbine 37; buried interconnect; access road	21.56	-	Upland - no water	-	1, 8	12
B4	Turbines 39-42; buried interconnect; access road	44	-	Upland - no water, near wetland; Valley Wall - no water	-	8, 9	12
B5	Buried interconnect	-	30	Valley Wall - near stream, near wetland	-	9	13
B6	O and M facility footprint	4.7	12	Valley Wall - near wetland, no water	-	2	14, 15

EDR Survey Area	Associated Project Component(s)	Pedestrian Survey (in acres)	Shovel Tests Completed	Predominate Landscape Zone(s)	Sites Adjacent or Investigated	Figure 6: Map Sheet(s)	Photographs (Appendix C)
C1	Turbines 55, 56; buried interconnect; access road	29.7	-	Upland - no water, near wetland	-	16	16
C2	Turbines 55, 56; buried interconnect; access road	19.5	-	Upland - no water, near wetland	-	16	17
C3	Turbines 55, 56; buried interconnect; access road	8.87	-	Upland - no water, near wetland	-	16	18
C4	Turbine 52	-	49	Upland - no water	-	11	19
C5	Turbine 4	-	49	Upland -no water	-	11	19
C6	Turbine 46; buried interconnect; access road	8.94	-	Upland - no water	-	10	20
C7	Turbine 2	-	49	Upland - no water	-	11	21
C8	Turbine 3	-	49	Upland - no water	-	11	22
C9	Turbine 15	-	49	Upland - no water	-	10	23
C10	Access road	-	120	Upland - no -water	-	11	19
C11	Access road	-	120	Upland - near wetland	-	13	24
C12	Turbine 45	-	49	Upland - near wetland	-	13	25
C13	Turbine 17	-	49	Upland - near wetland	-	11	26
C14	Access road	-	48	Upland - no water, near wetland	-	11	27
C15	Access road	-	30	Upland - no water	-	11	28
C16	Buried interconnect; access road	-	60	Upland - near wetland	Number Three Road Site 1	16	29
C17	Turbine 49; buried interconnect; access road	37.83	-	Upland - no water, near wetland	-	16	30
C18	Buried interconnect	6.34	-	Upland - near stream	-	13	31
D1	Turbine 9; buried interconnect; access road	24.42	-	Upland - no water, near wetland	-	19	32

EDR Survey Area	Associated Project Component(s)	Pedestrian Survey (in acres)	Shovel Tests Completed	Predominate Landscape Zone(s)	Sites Adjacent or Investigated	Figure 6: Map Sheet(s)	Photographs (Appendix C)
D2	Buried interconnect	5.66	-	Upland - no water	-	19	33
D3	Turbine 24; buried interconnect; access road	14.08	-	Upland - no water, near wetland	-	22	34
D4	Turbine 13	-	49	Upland - no water	-	23	35
D5	Turbine 12	-	49	Upland - no water	-	23	36
D6	Turbine 51; buried interconnect; access road	6.53	-	Upland - no water; Valley Wall - no water	-	15	-
D7	Turbine 51; buried interconnect; access road	5.12	-	Upland - no water	-	15	-
D8	Turbine 50	-	49	Upland - no water	-	15	37
D9	Turbine 5	-	49	Upland - no water	-	15	38
D10	Turbine 6	-	49	Upland - no water	-	15	39
D11	Turbine 27	-	49	Upand - near wetland	-	23	40
D12	Access road	-	75	Upland - no water	-	23	41
D13	Access road	-	153	Upland - no water	-	22, 23	42
D14	Turbine 10	-	49	Upland - no water	-	19	43
D15	Buried interconnect	-	100	Upland - no water	-	19	44
D16	Turbine 9	-	49	Upland - no water	-	19	45
D17	Access road	-	120	Upland - no water	-	15	46
D18	Buried interconnect	-	20	Upland - near stream	-	11	47
D19	Buried interconnect; access road	-	100	Upland - no water	Mud Street Historic Site 1 (adjacent)	18	48
D20	Turbines 1, 24; buried interconnect	7.71	8	Upland - no water, near wetland	Wilson Road Historic Site 2	22	49
E1	Transmission Line	12.59	-	Valley Wall - near wetland, no water	-	26	50
E2	Transmission Line	-	123	Valley Wall - no water	-	25	51
E3	Transmission Line	-	150	Valey Wall - near stream, near wetland	-	27	52

EDR Survey Area	Associated Project Component(s)	Pedestrian Survey (in acres)	Shovel Tests Completed	Predominate Landscape Zone(s)	Sites Adjacent or Investigated	Figure 6: Map Sheet(s)	Photographs (Appendix C)
E4	Transmission Line	45.15	-	Valley Wall - no water, near wetland, near stream	-	29	53
E5	Transmission Line	-	120	Valley Wall - no water	-	28	54
E6	Transmission Line	2.33	-	Valley Wall - no water, near wetland	-	25	-
E7	Transmission Line	-	15	Valley Wall - no water	-	28	55
E8	Transmission Line	-	15	Valley Wall - near wetland	-	28	56
E9	Transmission Line	-	30	Valley Wall- near wetland	-	28	57
E10	Transmission Line	-	90	Valley Wall - no water, near wetland	-	24, 25	58
E11	Transmission Line	-	27	Valley Wall - near stream	-	25	59
E12	Transmission Line	-	30	Valley Wall - no water	-	27	60
E13	Transmission Line	-	60	Valley Wall - no water	-	27	61, 62
E14	Transmission Line	-	60	Valley Wall - no water	-	27	63
E15	Transmission Line	-	30	Valley Wall - near wetland, no water	-	29	64
E16	Transmission Line	-	30	Valley Wall - near wetland	-	29	65
E17	Transmission Line	-	60	Valley Wall - near wetland	-	29	66
E18	Transmission line; collection station	-	49	Upland - near wetland, no water	-	2	67
E19	Transmission Line	-	60	Valley Wall - near wetland	-	25	68
E20	Transmission Line; POI		-	Valley Wall - no water	-	24	69
E21	Transmission Line	-	30	Valley Wall - no water	-	24	70

EDR Survey Area	Associated Project Component(s)	Pedestrian Survey (in acres)	Shovel Tests Completed	Predominate Landscape Zone(s)	Sites Adjacent or Investigated	Figure 6: Map Sheet(s)	Photographs (Appendix C)
E22	Transmission Line	6.8	-	Valley Wall - no water, near wetland	-	30	71
E23	Transmission Line	-	60	Valley Wall - near stream	-	29	72
E24	Transmission Line	-	15	Valley Wall - near stream	-	30	73
E25	Transmission Line	-	15	Valley Wall - near stream	-	30	74
E26	Transmission Line; POI	2.06	-	Valley Wall - no water	-	24	-
E27	Transmission Line	11.09	-	Valley Wall - no water, near wetland	-	30	75
HS3	Access road	-	12	Upland - near stream	Mud Street Historic Site 2	14 (Figure 7: Sheet 4)	85 - 86
HS5	Buried interconnect	-	30	Upland - no water	Roberts Road Historic Site 1	10 (Figure 7: Sheet 6)	90 - 92
HS6	Buried interconnect	(7.71, co-located with D20)	32	Upland - near wetland, no water	Wilson Road Historic Site 2	22 (Figure 7: Sheet 7)	94 - 95
HS7	Buried interconnect	3.47	20	Valley Wall – no water, near stream	Plank Road Historic Site 1	2 (Figure 7: Sheet 8)	99 - 100
HS8	Access road, buried interconnect	.5	12	Upland - near wetland	Plank Road Historic Site 2	8 (Figure 7: Sheet 9)	103
HS9	Transmission Line	-	24	Valley Wall – near stream, no water	Plank Road Historic Site 3	30 (Figure 7: Sheet 10)	104 - 105
		402 Total Acres Pedestrian Surveyed	**3,425 Shovel Tests Completed**				

As detailed in Section 3.1 above, shovel testing and pedestrian survey areas were allocated throughout the Project site in proportion to the amount of proposed disturbance within the various landscape classification zones identified by EDR for the project work plan (see Figure 5; Table 4).

Table 4. Summary of Archeological Survey Results by Landscape Class

Landscape Classification	APE per Work Plan (Acres)	APE per Revised Project Layout (Acres)	Total Area Surveyed (Acres)	Percent Complete (relative to Revised Project Layout)
Steep Slopes (>12%)	14.3	11.3	12.5	111%
Upland				
No Associated Water	215.2	193.7	298.5	154%
Near Wetland	89.7	84.4	131.8	156%
Near Stream	5.8	7.6	10.7	141%
Valley Wall				
No Associated Water	58.3	25.8	93.5	362%
Near Wetland	48.7	16.9	51.5	305%
Near Stream	19.0	3.1	16.8	542%
Totals	**451**	**342.8**	**615.3**	**179%**

EDR did not recover any pre-contact artifacts or materials in any shovel tests over the course of fieldwork. However, EDR did recover one pre-contact (Native American) artifact (and one possible pre-contact artifact) in the course of pedestrian survey of two different survey areas (C1 and D20; Photographs 16 and 49). In area C1, EDR recovered a pre-contact biface lithic “axe” tool (once commonly referred to as a “celt” in academic and avocational literature; Photograph 76). Following discovery of the axe tool in area C1, EDR personnel conducted a second, closer interval pedestrian survey of the immediate area surrounding the find and completed an additional 60 shovel tests in the area of the find (Figure 6: Sheet 16 and Figure 7: Sheet 1)—these efforts yielded no additional pre-contact materials or features. Given the lack of additional materials, the axe find most likely represents an isolated artifact and is not associated with an adjacent, previously unrecorded archeological site. However, EDR designated the pre-contact find as an archeological site (Number Three Road Site 1) given the uniqueness of the discovery. In addition, in area D20, EDR recovered a possible chert core fragment (most likely Onondaga chert) while undertaking a pedestrian survey in the vicinity of Wilson Road Historic Site 2. Following discovery of the possible core fragment, EDR personnel conducted a second, closer interval pedestrian survey of the immediate area surrounding the find and completed eight radial (at 1-meter and 3-meter intervals) shovel tests centered on the find (Figure 6: Sheet 20)—these efforts yielded no additional pre-contact materials or features and as such, EDR did not designate the find as an archeological site.

In addition, EDR recovered a total of 131 historic-period artifacts from a total of 14 shovel tests not associated with any of the MDS sites also investigated during Phase 1 fieldwork (see Appendix F: Artifact Inventory). Of these 131 artifacts, 115 originated from a single shovel test, E2.73, located in a wooded area 1,300 feet west of Cross Road along the proposed route of the transmission line (Figure 6: Sheet 26; Photographs 51, 77, and 78). The artifact assemblage recovered from E2.73 includes: 51 fragments of ironstone (largely from two bowl-like vessels); 10 fragments of brown-glazed stoneware with Albany slip interior; 26 fragments of unidentified bottle glass (aqua, clear, amber); five flat (most likely window) glass; two intact tooled bottle finishes ("patent" and "double ring" types); two bottle bases (one clear base embossed with "M℄C", suggesting it was manufactured by William McCully and Company of Pittsburgh, PA between the mid-1870s and 1896 [BLM/SHA 2014]); 1 amethyst-tinted bottle fragment; one cut nail fragment; and an assortment of 17 additional artifacts, including a 28-guage ferrous shotgun shell fragment. The most readily dateable artifacts, including the two hand-tooled bottle finishes (a technique superseded with fully-automatic bottle-making machinery by 1920), a clear bottle base bearing the "M℄C" embossment, and the amethyst glass fragment (probable manufacture between 1885 and 1915), suggest that the formation and deposition of the assemblage took place sometime between the mid-1880s and early 1900s. The three closest shovel tests, (E2.70, E2.74, and E2.76--each five meters west, south, and east of E2.73, respectively) did not yield any cultural material and EDR did not observe any structural remains or other obvious indications of previous longer-term occupation in the area encompassing the shovel test. Given that a two-track road runs north-south just east of the shovel test location and the distinct lack of architectural materials (i.e., nails, brick fragments, mortar), the assemblage from E2.73 most likely represents an isolated discard event perhaps related to a nearby hunting camp or other retreat.

Apart from shovel test E2.73, 13 other shovel tests yielded a total of 16 historic-period (non-modern) artifacts from various archeological survey areas located throughout the Project site (Appendix F: Artifact Inventory). This collection includes five fragments of plain, undecorated whiteware, three fragments of flat (probably window) glass, one electrical insulator fragment, one ferrous wire staple, and six other miscellaneous historic-period artifacts that, taken individually, most likely attained their discovery locations through intermittent and small-scale discard activities carried-out by local residents and the results of agricultural uses of the surrounding landscape (i.e., a ceramic electrical insulator fragment recovered from shovel test A10.46 suggests previous electrification of a livestock paddock fence). Taken as a whole, the collection does not represent archeological evidence significant to the goals of the survey.

3.3 Identified Archeological Sites

EDR identified one pre-contact (Native American) and nine historic-period archeological sites within the Project site during the Phase 1B archeological survey (Table 5) and each site is discussed in further detail below. Appendix G includes NYSOPRHP Archeological Site Inventory Forms for each of the 10 sites.

Table 5. Summary of Archeological Sites Identified During the Phase 1 Survey

Site Name	Location	Map References	Description	Potential Impacts	Avoidance Measures
Number Three Road Site 1	920'/280 m south of Number Three Road, w/in access road to T55	Figure 6: Sheet 16 Figure 7: Sheet 1	Pre-contact isolated find – (1) ground-stone axe tool	Within Project site APE but no additional artifacts or materials found in association with original find	None
Mud Street Historic Site 1 (HS 1)	1,100'/335 m west of Mud Street, adj. to access road/buried interconnect with T1	Figure 6: Sheet 18 Figure 7: Sheet 2	Possible sap house; chimney and stove remains	Within Project site but outside Project APE	None/avoid
Halifax Road Historic Site 1 (HS 2)	200'/61 m northwest of Halifax Road, adj. to access road to T4	Figure 6: Sheet 11 Figure 7: Sheet 3	House foundation (70' x 50') and collapsed barn structure (70' x 72')	Within Project site but outside Project APE	None/avoid
Mud Street Historic Site 2 (HS 3)	100'/30 m northeast of Mud Street, adj. to formerly proposed access road to T50	Figure 6: Sheet 14 Figure 7: Sheet 4	Two masonry foundations: 70' x 40' and 45' x 25'	Within Project site but outside Project APE	None/avoid
Wilson Road Historic Site 1 (HS 4)	240'/73 m northwest of Wilson Road, adj. to access road to T23	Figure 6: Sheet 22 Figure 7: Sheet 7	Possible masonry foundation (~65' x ~100')	Within Project site but outside Project APE	None/avoid
Roberts Road Historic Site 1 (HS 5)	330'/100 m southeast of Roberts Road, intersected by buried interconnect with T15	Figure 6: Sheet 10 Figure 7: Sheet 6	House foundation (24' x 28') and barn foundation (~80' x ~40')	Intersected by Project APE (buried interconnect with T15)	Buried interconnect rerouted to avoid archeological site
Wilson Road Historic Site 2 (HS 6)	150'/46 m northwest of Wilson Road, intersected by buried interconnect b/t T23 and T24	Figure 6: Sheet 22 Figure 7: Sheet 7	Surface artifact and brick scatter (200' x ~180)	Intersected by Project APE (buried interconnect b/t T23 and T24)	Buried interconnect rerouted to avoid archeological site
Plank Road Historic Site 1 (HS 7)	625'/191 m southwest of Plank Road, intersected by buried interconnect with T53	Figure 6: Sheet 2 Figure 7: Sheet 8	Surface artifact scatter (~200' x ~100')	Intersected by Project APE (buried interconnect with T53)	Buried interconnect rerouted to avoid archeological site
Plank Road Historic Site 2 (HS 8)	1,150'/361 m northeast of Plank Road, adj. to access road/buried interconnect to T37 and T38	Figure 6: Sheet 8 Figure 7: Sheet 9	Probable foundation area (~80' x ~40'); low density adj. artifact scatter	Intersected by Project APE (access road/buried interconnect to T37 and T38)	Restrict road improvement w/in area of probable foundation/mound
Plank Road Historic Site 3 (HS 9)	~100'/30 m north of Plank Road, adj. to transmission line	Figure 6: Sheet 30 Figure 7: Sheet 10	House foundation (60' x 40') and barn foundation (65' x 50')	Within Project site but outside Project APE	None/avoid

Archeological Sites Located Within the Project Generating Site

Number Three Road Site 1 is located approximately 900 feet (274 meters) south-southeast of Number Three Road. The site consists of a single, isolated pre-contact (Native American) ground-stone bifacial tool (what earlier sources referred to as a "celt") (Appendix F). The tool measures 16 cm in length by 4.5 cm in maximum width and 2 cm in maximum height and was recovered during the course of pedestrian survey of area C1 (Figure 6: Sheet 16; Figure 7: Sheet 1; Photographs 76 and 79). The tool is made of a very fine-grained dense shale, siltstone, or basalt and has been largely modified on the broader end, with one surface bearing a steeper-angled bevel in comparison to the opposite surface, which bears a more gradual and evenly formed bevel. The tool bears no obvious ornamentation or other purposeful marks. Unlike most projectile points, ground-stone tools rarely possess diagnostic characteristics useful for dating or definitive cultural identification. However, research into Northeastern pre-contact history has proven useful in providing context for such isolated finds, demonstrating that "celts" first begin to appear in Early Archaic Period (7,000 to 5,500 BCE) sites in the region and become relatively common by the Early Woodland Period (1,000 to 1 BCE), with continued use up until the time of contact, when trade goods, including metal axes and tools, rapidly replace lithic tools used by native groups (Ritchie and Funk 1973).

Following the discovery of the tool, EDR personnel conducted a more intensive (5 m and less in interval distance) pedestrian survey of the surrounding area (inclusively, pedestrian survey areas C1 and C2), and a series of 60 shovel tests (C16) along the proposed co-located routes of an access road and a buried interconnect that intersect with the find location. EDR personnel did not discover any additional pre-contact artifacts or materials through either the additional pedestrian survey or shovel testing in the area of the tool find, further suggesting that it is an isolated discovery not immediately associated with an adjacent previously unidentified pre-contact archeological site.

Mud Street Historic Site 1 (referred to as "Historic Site 1" or "HS1" during completion of the Phase 1B survey) is located approximately 1,100 feet (335 m) west of Mud Street and 100 feet (30 m) east of the proposed co-located access and buried interconnect routes connecting with Turbine 1 (Figure 6: Sheet 18). The site, most likely the remains of a former sap house(or "sugar shack"), includes a collapsed brick chimney, the portions of a multi-plate cast iron stove, discarded milk cans (possibly used for collecting or boiling sap), segments of flue pipe, ferrous hardware, and bottle glass (Noble and Cleek 1995:153; Figure 7: Sheet 2; Photographs 80-82). The brick scatter is approximately 20 feet (6 m) in length and eight feet (2.4 m) at maximum width. Some of the brick scatter has been covered by an apparent push pile and a tree stump is located in the approximate center of the scatter. EDR personnel did not note any obvious structural footers or other signs of a more substantial structure, suggesting that

the former structure was most likely a simple frame building. The milk cans are embossed with either of two identifications: “W. M. H. Meyer 292 Park Ave, New York City” and “Brown and Bailey, Brooklyn, New York.” Background research provided no additional information regarding W. M. H. Meyer but “Brown and Bailey” is most likely associated with the Brown and Bailey Condensed Milk Company of Brooklyn that operated as a legal entity from as early as 1913 to as late as the 1920s (St. Lawrence Condensed Milk Company/Second Circuit Court of Appeals, 1925). In addition to the milk cans, EDR identified the stove parts as having been made by the Small Brothers Manufacturing Company of Highford, Vermont under the model name “Lightning.” Based on EDR’s background research, the “Lightning” model was a purpose-built wood-burning stove or evaporator for boiling maple sugar sap for the production of syrup (Maple Trader website, 2014). As currently proposed, no project components intersect with the area encompassing Mud Street Historic Site 1.

Halifax Road Historic Site 1 (referred to as “Historic Site 2” or “HS2” during completion of the Phase 1B survey) is located approximately 200 feet (61 m) northwest of Halifax Road and 60 feet (18 m) southwest of the proposed route of the access road to Turbine string 52 through 2 (Figure 6: Sheet 11). The site includes a house foundation measuring 70 feet x 50 feet (21 m x 15 m) overall and a collapsed barn structure measuring 70 feet x 72 feet (21 m x 22 m) (Photographs 83 and 84; Figure 7: Sheet 3). The two foundations are surrounded by several older hardwood trees (most likely intentionally planted for shade or ornamentation) and thick underbrush and ground cover, some of which was also likely planted as ornamentation (including a dense growth of Japanese knotweed along the southwestern side of the house foundation and a cluster of creeping myrtle and daylilies along the southeastern side or house front). EDR personnel did not observe any additional standing structures, outbuildings, or any obvious shaft features, such as wells, cisterns, or privies, surrounding either of the two structures. EDR personnel did note the footprint of a former outbuilding located 150 feet (46 m) northwest of the collapsed barn; the purpose of the former shed was not immediately apparent but most likely served an agricultural purpose.

The house foundation, which measures approximately six to eight feet (1.8 m x 2.4 m) in depth, is L-shaped, with one, shorter extension projecting towards Halifax Road to the immediate south and a longer extension projecting to the east in the direction of the collapsed barn. The interior corner formed by the two extensions most likely included a porch area. EDR noted that the foundation construction included fieldstone, unreinforced poured concrete, and the addition of concrete block in some locations, altogether suggesting that successive generations of occupants expanded the house or repaired it as concrete became available in the late nineteenth and early twentieth centuries. EDR’s visual inspection of the house foundation also revealed several foundation-length hand-hewn timbers (apparent by several broad-axe cut marks, with the largest timber measuring 12 inches x 8 inches), use of both cut and wire nails, the lower portion of a square concrete block chimney abutting the northwestern side of the foundation, and the remains of an electric stove, positioned near the southeastern side (most likely, front side) of the foundation.

Additionally, EDR noted ample evidence of a major burn event (several of the timbers found lying within the foundation bore significant areas and degrees of charring); however, EDR observed no other evidence suggesting whether the burn event had led to the destruction of the house or if it took place following a major salvage or demolition episode.

The collapsed barn, also L-shaped, measures 72 feet (22 m) in length along its longest side (oriented roughly north to south) and 70 feet (21 m) in length along its shorter side (oriented east to west). The barn is composed of different sections or extensions, with the earliest and most collapsed section (the southeastern portion of the structure) built of large dimension hand-hewn timbers, similar to those found in the house foundation. The northern, more recent portion of the barn is two stories in height, with frame and clapboard construction, and is sided with asphalt shingle siding (common red-brick pattern). Although EDR personnel did not collect any artifacts from within or around the two foundations, they did note a lack of disposable containers and other diagnostic materials (i.e., beverage cans, bottles, especially those made of plastics) dating to the 1970s and later, suggesting that occupation of the site had ceased prior to that time.

EDR identified *Halifax Road Historic Site 2* on three period maps: the 1875 Beers' *Atlas of Lewis County* and the 1904 USGS *Carthage, N.Y.* 15-minute topographic quadrangle maps (see Figures 8, 10, and 11 in EDR's Phase 1A report). The 1875 Beers' *Atlas* labels "J. F. Lamphert" as the occupant of the site (see inset on Figure 7: Sheet 3); typical of most USGS map publications, the 1904 and 1909 quadrangle maps do not include the names of the occupants or purposes of structures depicted with a given site.

Although no currently proposed project components intersect with *Halifax Road Historic Site 2*, EDR completed a series of thirty shovel tests (C15.01 through C15.30) along a grassy, level, and open segment of access road that follows a route within 60 feet (18 m) of the northeastern side of the collapsed barn (Figure 6: Sheet 11; Photograph 28). EDR personnel recovered no artifacts from these shovel tests and observed no archeological features along the access road route.

Mud Street Historic Site 2 (referred to as "Historic Site 3" or "HS3" during completion of the Phase 1B survey) is located approximately 100 feet (30 m) northeast of Mud Street and along the formerly proposed route of the access road to Turbine string 51 through 6 (Figure 6: Sheet 14). The site includes two masonry foundations, the larger measuring 70 feet x 40 feet (21 m x 21 m) and an adjacent foundation measuring 45 feet x 25 feet (13.7 m x 7.6 m) (Figure 7: Sheet 4). The two foundations are parallel to the north side of an active farm lane and within an open and active dairy pasture, with a round hay feeder positioned in the middle of the smaller of the two foundations (Photographs 85 and 86). The larger foundation forms the perimeter of an active cattle pen. Both foundations are

rectilinear and are comprised of mortared field stone, faced with unreinforced concrete, with some segments composed entirely of poured concrete. A large amount of fieldstone (or possibly former architectural stone) has been deposited within the smaller of the two foundations, filling in any depressions that may have been formed by a former cellar hole. EDR personnel did not observe any additional standing structures, outbuildings, or any obvious shaft features, such as wells, cisterns, or privies, in the vicinity of the two foundations.

EDR identified *Mud Street Historic Site 2* on the 1875 Beers' *Atlas of Lewis County* but does not appear on the subsequent 1904 *Carthage, N.Y.* 15-minute topographic quadrangle maps (see Figures 8, 10, and 11 in EDR's Phase 1A report). The 1875 Beers' *Atlas* labels "A. Anstin" as the occupant of the site, suggesting that at least one of the foundations was associated with a house or other domestic occupation (see inset on Figure 7: Sheet 4).

Although no currently proposed project components intersect with *Mud Street Historic Site 2*, EDR completed a series of 12 shovel tests (C16.01 through C16.12) in two transects parallel to the foundations (with six shovel tests on either side of the farm lane) in the event that the current farm lane is reconsidered for use as an access road route (Figure 7: Sheet 4). EDR personnel recovered a total of 26 artifacts from these shovel tests but observed no additional archeological features within any of the twelve shovel tests (Table 6).

Table 6. Artifacts Recovered from Mud Street Historic Site 2

Shovel Test/Surface Collect	Stratum	Depth (cmbs)	Count	Description	Comments	Production Date Range
HS3.01	1	0-30	1	Pearlware/Whiteware	embossed edge pattern w/blue glaze	1820-1845
	1	0-30	1	Redware	w/black int./ext. glaze	-
HS3.03	1	0-30	1	White refined earthenware	plain w/blue unidentifiable glaze pattern	-
HS3.04	1	0-25	2	White refined earthenware	plain	-
HS3.05	1	0-29	3	Faunal/bone	(1) cut shaft fragment; (1) broken shaft fragment; (1) small knuckle bone	-
	1	0-29	1	Yellowware	Rockingham/Bennington glaze	1840-1900
HS3.07	1	0-28	1	Flat glass	aqua	-
	1	0-28	1	Redware	clear lead glaze interior	-
	1	0-28	1	Whiteware	blue transfer print	1840-1860
	1	0-28	1	Wire nail	20d ("penny")	1885 +
HS3.09	1	0-30	1	Blown-in mold bottle glass	dark green oil finish; evidence of tooling	1850-1920
	1	0-30	1	Flat glass	aqua	-
HS3.10	1	0-20	1	Faunal/bone	shaft fragment	-
	1	0-20	1	Wire nail	8d	1885 +
HS3.12	1	0-30	3	Flat glass	aqua	-
	1	0-30	2	Brad nails	(1) wire; (1) cut	-
	1	0-30	1	Bolt	carriage-type; 1/2 inch D, ~5 in. L	-

Shovel Test/Surface Collect	Stratum	Depth (cmbs)	Count	Description	Comments	Production Date Range
	1	0-30	1	Cast iron	equipment component; broken	-
	1	0-30	1	Cut nail fragment	head	-
	1	0-30	1	Unidentified bottle-type fragment	amethyst	1880-1915

The assemblage includes eight ceramic fragments (including pearlware, whiteware, redware, and yelloware), five fragments of flat (presumably window) glass, four intact bone or bone fragments, and two bottle glass fragments. An additional seven recovered artifacts include five architectural and machinery hardware such as cut and wire nails or fragments, a carriage bolt, and a broken cast iron machine part with intact teeth for a ratchet pawl or other adjustment mechanism.

Half of the total recovered artifacts (13 in total) are concentrated in the shovel tests located closest to the largest of the two foundations (HS3.01, HS3.03, HS3.05, HS3.07, and HS3.09), with a majority of the concentration composed of domestic materials (ceramics in particular), dating from the mid- to late nineteenth century (Photographs 87 and 88). The types and concentration of the artifacts strongly suggest that the larger foundation supported a house that was occupied through the period documented by the 1875 Beers' atlas map, referenced above, while the presence of later dated materials (i.e., wire nails) are most likely related to continued agricultural or other uses of the property that were not recorded by the 1904 USGS 15-minute topographical survey. Overall, *Mud Street Historic Site 2* lacks a degree of archeological site integrity useful for further study at the present time (relative to project sites such as *Halifax Road Historic Site 1* or *Mud Street Historic Site 1*) and thus, does not merit specific treatment plans.

Wilson Road Historic Site 1 (referred to as "Historic Site 4" or "HS4" during completion of the Phase 1B survey) is located approximately 240 feet (73 m) north of Wilson Road and 240 feet west of the proposed access road route to Turbine 23 (Figure 6: Sheet 22). The site is composed of large (up to 10 feet high) piles of field stones, concrete rubble, and discarded agricultural equipment and appliances, mounded over a rough, rectilinear area that most likely encompassed a former house or farm site (Photograph 89). The site is depicted on three period maps: the 1875 Beers' *Atlas of Lewis County* and the 1904 *Carthage, N.Y.* 15-minute topographic quadrangle maps (see Figures 8, 10, and 11 in EDR's Phase 1A report). Additionally, the 1875 Beers' *Atlas* lists "R. B. Wilson" as an occupant of the site (see inset on Figure 7: Sheet 5). Due to the location of the mounds and thick underbrush, EDR personnel were not able to identify any definitive foundation segments or other structural traces; however, additional pedestrian reconnaissance of the area surrounding piles yielded no evidence of structural traces, suggesting that the mounds and brush conceal the remains of a former structure or structures. An active farm lane is also located to the west of the site area that intersects Wilson Road. As *Wilson Road Historic Site 1* is separated from the nearest project component (an access road to Turbine 23) by a significant distance (over 100 feet), EDR personnel did not complete

any shovel testing of the site and furthermore, does not recommend any specific treatment of the site with regards to the currently proposed layout.

Roberts Road Historic Site 1 (referred to as "Historic Site 5" or "HS5" during completion of the Phase 1B survey) is located approximately 330 feet (100 m) southeast of Roberts Road and will potentially be intersected by the proposed buried interconnect route to Turbine 15 (Figure 6: Sheet 10). The site includes two large masonry foundations: a probable house foundation measuring 28 feet x 24 feet (8.5 m x 7.3 m) and a barn foundation, measuring approximately 80 feet x 40 feet (24.4 m x 12.2 m) (Figure 7: Sheet 6). The site is depicted on three period maps: the 1875 Beers' *Atlas of Lewis County* and the 1904 USGS *Carthage, N.Y.* 15-minute topographic quadrangle maps (see Figures 8, 10, and 11 in EDR's Phase 1A report). Additionally, the 1875 Beers' *Atlas* lists "E. Cook" as an occupant of the site (see inset on Figure 7: Sheet 6). Both foundations parallel an active farm lane that intersects Roberts Road, while the probable house foundation is surrounded by abandoned apple orchards and other possible ornamental trees (including alder buckthorn) (Photographs 90 and 91). The site includes a stone-lined well (capped with a later poured concrete cap, with a square opening and a modern draw pipe deeper within the well) approximately 33 feet (10 m) northeast of the east corner of the house foundation (Photograph 92). The house foundation is rectilinear, built of mortared undressed fieldstone, with an eight foot (2.4 m) bay located at the southern end of the foundation, and is located 40 feet (12 m) south of the buried interconnect route. The top of the foundation includes portions of poured concrete, most likely added some time after the initial construction of the foundation. No traces of a former superstructure or utility lines were evident. The probable barn foundation is largely decayed and overgrown, and as a result, difficult to measure more closely to its final dimensions. Observable segments of the foundation include both mortared fieldstone and poured concrete, suggesting an extended period of use and reconstruction. EDR personnel also identified a smaller indefinite masonry foundation, covered by ground vegetation, located approximately midway between the house and barn foundations (see Figure 7: Sheet 6). The foundation in all likelihood supported a small outbuilding associated with the barn.

At the time EDR conducted the survey, the proposed buried interconnect route did not pass through or near to any of the three foundations or well. However, the proposed route did pass through (or near to) an apple orchard located at the extreme northern end of the larger site (Figure 6: Sheet 10). EDR personnel completed a total of 30 shovel tests (in three transects, with 10 shovel tests per transect) to test for any buried archeological features or deposits that the route of the buried interconnect might intersect with in the vicinity of *Roberts Road Historic Site 1*. In total, EDR recovered four artifacts from three shovel tests (HS5.01, HS5.11, and HS5.20) that included clear bottle glass, white refined earthenware with a blue tint (possibly pearlware), vessel glass with green and milk swirling, and whiteware with green transfer print (Photograph 93). To avoid any impacts to the site, the proposed buried interconnect route was rerouted north of the orchard and into a cultivated field (see Figure 6: Sheet 10).

Wilson Road Historic Site 2 (referred to as "Historic Site 6" or "HS6" during completion of the Phase 1B survey) is located 150 feet (45.7 m) northwest of Wilson Road and is intersected by the proposed route of the buried interconnect between Turbines 23 and 24 (Figure 6: Sheet 22). The site is a dense historic-period artifact scatter (including concentrations of common red brick and concrete rubble), measuring approximately 200 feet x 180 feet (61 m x 55 m), and is located within an active agricultural field (most recently planted with corn) (Figure 7: Sheet 7; Photographs 94-95). The site was identified by EDR personnel through period map research and subsequently confirmed through completion of a pedestrian survey of the field encompassing the route of the proposed buried interconnect between Turbines 23 and 24. Although the artifact scatter was highly visible, EDR did not observe any recognizable structural features or depressions within or adjacent to the scatter that may have been associated with a former house or agricultural buildings. The site is depicted on three period maps: the 1875 Beers' *Atlas of Lewis County* and the 1904 *Carthage, N.Y.* 15-minute topographic quadrangle maps (see Figures 8, 10, and 11 in EDR's Phase 1A report). Additionally, the 1875 Beers' *Atlas* lists "C. R. Stoddard" as an occupant of the site (see inset on Figure 7: Sheet 7).

After initially identifying the artifact scatter and its approximate dimensions, EDR personnel completed a total of 32 shovel tests along the proposed route of the buried interconnect. The shovel tests were organized in groups of four, separated by 33 feet (10 m), and spread out along the densest part of the artifact scatter. After completing the shovel tests, EDR personnel completed a close interval (5 m or less) pedestrian survey of the site, flagging artifacts with diagnostic attributes (i.e., identifiable ceramic types, bottle glass, personal items, and architectural hardware) for subsequent mapping and collection (Figure 7: Sheet 7) In addition to flagging diagnostic artifacts, EDR personnel also flagged half- to whole bricks for site mapping purposes but did not collect them for subsequent curation. In total, EDR personnel collected 68 artifacts through both shovel testing and pedestrian survey of the site (Table 7; Photographs 96-98).

Table 7. Artifacts Recovered from Wilson Road Historic Site 2

Shovel Test/Surface Collect	Stratum	Depth (cmbs)	Count	Description	Comments	Production Date Range
HS6.09	1	0-30	1	White refined earthenware	polychrome handpainted	1810 +
HS6.13	1	0-32	1	Flat glass	aqua	
	1	0-32	1	Stoneware	gray exterior; Albany-slip interior	
	1	0-32	1	Whiteware	plain	1810 +
HS6.15	1	0-41	3	Whiteware	(2) plain; (1) banding decoration	1810 +
	1	0-41	2	Pearlware	(1) hand-painted blue underglaze	1790 - 1870
	1	0-41	1	Flat glass	aqua	
	1	0-41	1	Redware	buff/yellow lead glaze	

Shovel Test/Surface Collect	Stratum	Depth (cmbs)	Count	Description	Comments	Production Date Range
	1	0-41	1	Unidentified glass	clear; edge fragment	
HS6.17	1	0-29	2	Redware	(1) clear lead glaze; (1) brown lead glaze	
	1	0-29	2	Whiteware	(1) plain; (1) blue transfer print	
HS6.19	1	0-35	1	Redware	black glaze ext. and int.	
	1	0-35	1	Whiteware	red transfer print	1829 - 1850
HS6.20	1	0-26	1	Cut nail	fragment	1810 - 1885
HS6-SC01	Surface	-	1	Unidentified glass vessel	milk glass	
HS6-SC02	Surface	-	1	Stoneware	black or dark brown glaze ext. and int.	
HS6-SC03	Surface	-	1	Padlock	locked	
HS6-SC04	Surface	-	1	Unidentified glass vessel	amber, panel fragment	
HS6-SC05	Surface	-	1	Whiteware	plain, molded; bowl or cup heel	1810 +
HS6-SC06	Surface	-	1	Whiteware	flow blue	1840 - 1860
HS6-SC07	Surface	-	1	Stoneware	black or dark brown glaze ext. and int.	
HS6-SC08	Surface	-	1	Whiteware	pink glaze	
HS6-SC09	Surface	-	1	Unidentified bottle-type fragment	clear, flat panel frag; "…[C]USE"	
HS6-SC10	Surface	-	1	Ironstone	plain	1840 - 1930
HS6-SC11	Surface	-	1	White refined earthenware	plain whiteware or ironstone	1810 +
HS6-SC12	Surface	-	2	Flat glass	aqua	
	Surface	-	1	Redware	black glaze ext. and int.	
	Surface	-	1	Whiteware	black hand-painted underglaze	
HS6-SC13	Surface	-	1	Machine-made bottle	amethyst; neck and finish	1903 - 1915
HS6-SC14	Surface	-	1	Whiteware	flow blue	1840 - 1860
HS6-SC15	Surface	-	1	Flat glass	aqua	
	Surface	-	1	Redware	brown lead glaze	
	Surface	-	1	Stoneware	gray salt-glaze; unglazed interior	
HS6-SC16	Surface	-	2	Whiteware	blue transfer print	1820 - 1860
	Surface	-	1	White refined earthenware	blue edge	
HS6-SC17	Surface	-	2	Whiteware	blue transfer print	1820 - 1860
	Surface	-	2	Whiteware	(1) black hand-painted underglaze; (1) plain	1810 +
	Surface	-	1	Ironstone	plain	
HS6-SC18	Surface	-	1	Pearlware/Whiteware	embossed edge pattern w/blue glaze	
	Surface	-	1	Redware	clear lead glaze	
	Surface	-	1	Unidentified vessel glass	clear	
	Surface	-	1	Whiteware	plain rim fragment w/gilded band	
HS6-SC19	Surface	-	2	Whiteware	plain	
	Surface	-	1	Button	milk glass; two holes	1840 - 1940
	Surface	-	1	Stoneware	black glaze ext./int. unglazed	
	Surface	-	1	Unidentified bottle-type fragment	amber; "[Dura]glas"; possible Clorox bottle fragment	1940 - 1965

Shovel Test/Surface Collect	Stratum	Depth (cmbs)	Count	Description	Comments	Production Date Range
	Surface	-	1	Unidentified bottle-type fragment	clear; "… 9016" "19"	
	Surface	-	1	Unidentified plastic fragment	dark blue, thin	
	Surface	-	1	Whiteware	flow blue	
	Surface	-	1	Yellowware	Rockingham/Bennington glaze	
HS6-SC20	Surface	-	2	Machine-made bottle	amber: (1) base fragment, (1) body fragment	1903 +
	Surface	-	1	Miscellaneous glass	green and amber glass, fused	
	Surface	-	1	Whiteware	plain	1810 +
HS6-SC21	Surface	-	1	Machine-made bottle	base, clear; "[MI]SSION DRY CO"/2 {P} 44"	1923 - 1956
	Surface	-	1	Redware	clear lead glaze interior and exterior	
	Surface	-	1	Shoe heel	rubber and fabric; children or adult women's size	
	Surface	-	1	Unidentified bottle-type fragment	blue	

Out of the total site assemblage, 45 are historic ceramics (66%). Of the ceramics, whiteware comprises the largest segment (n=23) and includes several types common to the mid- to late nineteenth century such as flow blue pattern, blue, black, and red transfer prints, banded rim pattern, and undecorated (or an undecorated surface of a decorated vessel). In addition to identifiable whitewares, EDR personnel also recovered two fragments of pearlware, four fragments of undecorated white refined earthenware that may be either plain whiteware or pearlware, and two fragments of ironstone. The ceramics assemblage also included eight fragments of glazed redwares and five fragments of nineteenth and early twentieth century utilitarian stonewares.

Of the remaining site assemblage artifacts (n=23), EDR recovered 13 vessel (presumably bottle) glass fragments that included two dateable bottle base fragments (manufactured between 1923 and 1956, and 1940 and 1965, respectively), one fragment of amethyst-tinted bottle glass, and ten additional unidentifiable fragments represented by assorted colors (amber, green, clear, blue, and milk). In addition to vessel glass, EDR personnel also recovered five fragments of flat (presumably window) glass, a cut nail, and three personal effects that include a button, padlock, and a shoe heel corresponding to either a juvenile or woman's size.

Both the surface collection and shovel test survey of the site revealed that the densest concentration of artifacts identified with the site is located 90 feet (27.4 m) northwest of Wilson Road and 50 feet (15 m) southeast of the proposed route of the buried interconnect (Figure 7: Sheet 7), with artifacts recovered from five of the six closest shovel tests (HS6.09, HS6.13, HS6.15, HS6.17, and HS6.19). Intermixed with the artifact concentration are several half to whole bricks (n=16) that may represent former structural footings or other architectural features. The relative small-size of the brick concentration, combined with the lack of a discernable foundation depression or evidence of

foundation in-filling, suggests that the former dwelling was a small frame structure, built on brick, stone, or other ground-level footings, perhaps with an attached brick chimney. However, the possibility remains that a significant quantity of masonry materials were removed during a demolition and salvage episode following occupation of the site. EDR personnel also noted a small amount of bituminous coal intermixed with the surface scatter, suggesting that site occupants supplemented or supplanted a cord wood supply with coal purchased from a local fuels dealer. Additionally, the lack of cut nails collected during the archeological survey could point to the use of a hewn-log structure that required less nails in its construction versus a sawn-frame and clapboard-sided structure. Altogether though, the artifact assemblage, site conditions, and period maps (including a lack of definitive mid- to later twentieth century artifact types and materials, such as plastic containers and tempered glass products) point to domestic occupation and use of the site from the mid-nineteenth to no later than the mid-twentieth century. At the time EDR conducted the survey, the proposed buried interconnect route passed through the artifact scatter. To avoid any impacts to the site, the proposed buried interconnect route was rerouted south of the site and through a cultivated field that underwent a pedestrian survey by EDR, earlier in the survey. The field does not contain significant evidence of occupation related to the Wilson Road Historic Site 2 or any other previously unidentified site (see Figure 6: Sheet 22).

Plank Road Historic Site 1 (referred to as "Historic Site 7" or "HS7" during completion of the Phase 1B survey) is located 625 feet (191 m) southwest of Plank Road and is intersected by the proposed route of the buried interconnect with Turbine 53 (Figure 6: Sheet 2). The site includes a dense historic-period artifact scatter, measuring approximately 200 feet x 100 feet (61 m x 30 m), and is located on a rise within an active agricultural field (most recently planted with corn), near the end of an active farm lane (Figure 7: Sheet 8; Photographs 99 and 100). The site was identified by EDR personnel through period map research and subsequently confirmed through completion of a pedestrian survey of the agricultural field encompassing the route of the proposed buried interconnect. Although the artifact scatter was highly visible, EDR did not observe any recognizable structural features or depressions within or adjacent to the scatter that may have been associated with a former house or agricultural buildings. The site is depicted on three period maps: the 1875 Beers' *Atlas of Lewis County* and the 1904 USGS *Carthage, N.Y.* 15-minute topographic quadrangle maps (see Figures 8, 10, and 11 in EDR's Phase 1A report). Additionally, the 1875 Beers' *Atlas* lists "F. McNett" as an occupant of the site (see inset on Figure 7: Sheet 8).

Prior to completing shovel testing of the site, EDR personnel completed a close interval (5 m or less) pedestrian survey of the area encompassing the artifact scatter, flagging artifacts with diagnostic attributes (i.e., identifiable ceramic types, bottle glass, personal items, and architectural hardware) for subsequent mapping and collection (Figure 7: Sheet 8) After initially identifying the artifact scatter and its approximate dimensions, EDR personnel completed a total of 20 shovel tests in two transects along the proposed route of the buried interconnect, with the

transects intersecting on the artifact scatter. In addition to flagging diagnostic artifacts, EDR personnel also flagged half- to whole bricks for site mapping purposes but did not collect them for subsequent curation (EDR identified only a single brick during the pedestrian survey). In total, EDR personnel collected 81 artifacts through both shovel testing and pedestrian survey of the site (Table 8; Photographs 101 and 102).

Table 8. Artifacts Recovered from Plank Road Historic Site 1

Shovel Test/Surface Collect	Stratum	Depth (cmbs)	Count	Description	Comments	Production Date Range
HS7.07	1	0-24	3	Whiteware	flow blue	1840 - 1860
	1	0-24	2	Whiteware	plain	1810 +
	1	0-24	1	Flat glass	aqua	
	1	0-24	1	Redware	clear lead glaze	
	1	0-24	1	Whiteware	blue transfer print	1826 - 1831
	2	24-34	3	Whiteware	plain	1810 +
	2	24-34	2	Flat glass	aqua	
	2	24-34	2	Ironstone	plain	1840 +
	2	24-34	1	Barbed wire	3.5 in.	1885 +
HS7.09	1	0-48	3	Whiteware	plain	1810 +
	1	0-48	1	Cut nail	20d	
	1	0-48	1	Flat glass	clear	
	1	0-48	1	Stoneware	gray salt-glaze; Albany slip int.	
	1	0-48	1	Whiteware	green transfer print	1829 - 1839
HS7.11	1	0-24	5	Whiteware	(2) plain; (2) blue handpainted; (1) blue transfer pattern	
	1	0-24	2	Cut nails	(1) 40d; (1) frag w/head	1810 - 1900
	1	0-24	1	Flat glass	aqua	
HS7.12	1	0-29	14	Whiteware	blue transfer print w/ 1 mend (partial maker's mark)	1840 - 1860
	1	0-29	1	Redware	unglazed	
	1	0-29	1	Whiteware	plain	1810 +
HS7.13	1	0-27	2	Whiteware	polychrome handpainted	1830 - 1860
	1	0-27	1	Flat glass	aqua	
	1	0-27	1	Pearlware	unmolded edge; blue feathering	1850 - 1897
	1	0-27	1	Whiteware	blue transfer print	1826 - 1831
	1	0-27	1	Whiteware	flow blue	1840 - 1860
	1	0-27	1	Whiteware	plain	1810 +
	1	0-27	1	Wire nail	15d	1885 +
HS7.16	1	0-28	1	Redware	clear lead glaze	
	1	0-28	1	Whiteware	flow blue	1840 - 1860
	1	0-28	1	Whiteware	plain	1810 +
HS7-SC01	Surface	-	1	Canning jar lip	glass, amethyst	1880 - 1915
HS7-SC02	Surface	-	1	Ironstone	plain	1840 +
HS7-SC03	Surface	-	1	Whiteware	plain	1810 +
HS7-SC04	Surface	-	1	Ironstone	plain	1840 +

Shovel Test/Surface Collect	Stratum	Depth (cmbs)	Count	Description	Comments	Production Date Range
	Surface	-	1	Whiteware	blue hand painted	1810 +
HS7-SC05	Surface	-	1	Whiteware	flow blue	1840 - 1860
HS7-SC06	Surface	-	2	Whiteware	flow blue	1840 - 1860
	Surface	-	1	White refined earthenware	whiteware or pearlware; blue handpainted or transfer print	
	Surface	-	1	Whiteware	blue transfer print	1826 - 1831
HS7-SC07	Surface	-	1	Redware	clear lead glaze interior	
HS7-SC08	Surface	-	1	Pearlware	molded shell edge; blue feathering	1820 - 1845
HS7-SC09	Surface	-	1	Pearlware	molded shell edge; blue feathering	1820 - 1845
HS7-SC10	Surface	-	1	Stoneware	gray salt-glaze; Albany slip int.	
	Surface	-	1	White refined earthenware	plain	
HS7-SC11	Surface	-	1	Redware	brown, iridescent glaze	
HS7-SC12	Surface	-	1	Stoneware	gray salt-glaze; unglazed interior	
HS7-SC13	Surface	-	2	Stoneware	Bristol glaze w/Albany slip interior	1810 - 1920
	Surface	-	1	Stoneware	brown salt-glaze int./Albany slip ext.	1810 - 1920
HS7-SC14	Surface	-	1	Whiteware	flow blue	1840 - 1860
HS7-SC15	Surface	-	1	Whiteware	blue hand painted	1810 - 1825
HS7-SC16	Surface	-	1	Whiteware	plain	1810 +

Out of the total site assemblage, 69 are historic ceramics (80%). Of the ceramics, whiteware comprises the largest segment (n=49) and similar to *Wilson Road Historic Site 2*, includes several types common to the mid- to late nineteenth century such as flow blue pattern, blue and green transfer prints, hand-painted monochrome and polychrome designs, and undecorated (or an undecorated surface of a decorated vessel). In addition to identifiable whitewares, EDR personnel also recovered four fragments of ironstone, three fragments of pearlware, and two fragments of undecorated white refined earthenware (that may be either plain whiteware or pearlware). The ceramics assemblage also included five fragments of glazed redwares and six fragments of nineteenth and early twentieth century utilitarian stonewares.

Of the remaining site assemblage artifacts (n=12), EDR recovered no vessel glass fragments but did recover six fragments of flat (presumably window) glass, four nails (three cut, one wire), and one segment of barbed wire. In completing the pedestrian survey of the buried interconnect route, EDR recovered a single clear glass (amethyst-tinted) canning jar lid, 650 feet (198 m) west of the site scatter; although, its relationship with the site is difficult to establish, EDR included the find with the site because of its proximity and its manufacturing range matches the occupation of the site.

Both the surface collection and shovel test survey of the site revealed that the densest concentration of artifacts identified with the site is located 360 feet (110 m) west of a nearby unnamed drainage and was intersected by the

proposed route of the buried interconnect (per the Project design at the time of the archeological fieldwork) (Figure 7: Sheet 8), with artifacts recovered from five of the 20 shovel tests (HS7.07, HS7.09, HS7.12, HS7.13, and HS7.16). During the completion of the pedestrian survey, EDR personnel noted a relative lack of common red brick or other masonry architectural materials. The lack of such building materials, including few nails, strongly suggests that the former dwelling was a hewn-log structure that lacked a substantial foundation or other deeper-excavated cellar that would be discernable. However, the possibility remains that a significant quantity of masonry materials were removed during a demolition and salvage episode following occupation of the site. Additionally, the lack of cut nails collected during the archeological survey could point to the use of a hewn-log structure that required less nails in its construction versus a sawn-frame and clapboard-sided structure. Altogether though, the artifact assemblage, site conditions, and period maps (including a lack of definitive mid- to later twentieth century artifact types and materials, such as plastic containers and tempered glass products) point to domestic occupation and use of the site from the mid-nineteenth to no later than the early twentieth century. To avoid any impacts to the site, the proposed buried interconnect route was rerouted south and east of the site and along an existing farm access road that underwent pedestrian survey at the time of the site survey. The area encompassing the road does not contain significant evidence of occupation related to the Plank Road Historic Site 1 or any other previously unidentified site (see Figure 6: Sheet 2).

Plank Road Historic Site 2 (referred to as "Historic Site 8" or "HS8" during completion of the Phase 1B survey) is located approximately 1,150 feet (361 m) northeast of Plank Road and adjacent to the co-located access road and buried interconnect routes connecting with Turbine string 35 through 42 (Figure 6: Sheet 8; Figure 7: Sheet 9; Photograph 103). The site is composed of a large, artificial earthen mound formed over a rectilinear area that most likely encompasses a former house or farm site that was located on the north side of an active farm lane. EDR also noted several large fieldstones, exposed at the surface of the mound. The site is depicted on the 1875 Beers' *Atlas of Lewis County* and lists "R. Bart" as an occupant of the site (see inset on Figure 7: Sheet 9). No definitive foundation segments or other structural traces (such as disarticulated brick or architectural stone) were visible on the surface within or adjacent to the mound; however, EDR personnel noted a light density of historic-period artifacts in a plowed field adjacent to the mound (whiteware and amber bottle glass fragments), on the opposite side of a road that borders the northeast margin of the mound. EDR did not collect any artifacts from the scatter as it is not intersected by either the nearby access road or buried interconnect route. To test for the presence of buried archeological features or deposits, EDR personnel completed eight shovel tests along the southeast margin of the mound and an additional four shovel tests on the opposite side of the road, along the route of the buried interconnect (Figure 7: Sheet 9). Through shovel testing of *Plank Road Historic Site 2*, EDR discovered no buried features or deposits and recovered only one artifact: a clear bottle fragment from shovel test HS8.06. EDR also completed a pedestrian survey of the buried interconnect route on the southeastern side of the farm lane and identified no additional artifacts

on the plowed ground surface. Given the relative low volume of discovered artifacts and the lack of appearance of the site on subsequent period maps (namely, the 1904 USGS *Carthage, N.Y.* 15-minute topographic quadrangle maps), *Plank Road Historic Site 2* was most likely not occupied for a lengthy duration and was abandoned sometime prior to the twentieth century. EDR recommends that access road widening in the vicinity of Plank Road Historic Site 2 be restricted to the south side of the existing farm lane to avoid impacts to any possible buried archeological features or deposits associated with the mound identified on the north side of the farm lane.

Plank Road Historic Site 3 (referred to as "Historic Site 9" or "HS9" during completion of the Phase 1B survey) is located approximately 100 feet (30 m) north of Plank Road and adjacent to the proposed route of the Project transmission line (Figure 6: Sheet 31). The site includes a house foundation measuring 60 feet x 40 feet (18.3 m x 12 m) overall and a probable barn foundation measuring 65 feet x 50 feet (19.8 m x 15.2 m) overall (Figure 7: Sheet 10). The two foundations are surrounded by several older hardwood trees (at least a few probably planted for shade or ornamentation) and thick underbrush and ground cover, some of which was also likely planted as ornamentation or for their fruit value (including alder buckhorn and grape vines) (Photographs 104 and 105). EDR personnel did not observe any additional standing structures, outbuildings, or any obvious shaft features, such as wells, cisterns, or privies, surrounding either of the two foundations (although a number of depressions were noted throughout the site). The site is depicted on three period maps: the 1864 Beers' *New Topographical Atlas of Jefferson County, New York,* the 1888 Robinson's *Atlas of Jefferson County, NY* and the 1904 USGS *Carthage, N.Y.* 15-minute topographic quadrangle maps (see Figures 7, 9, and 10 in EDR's Phase 1A report). Additionally, the 1864 Beers' *Atlas* and 1888 Robinson's *Atlas* list "H. W. Kilburn" as an occupant of the site for both years (see inset on Figure 7: Sheet 10 for a site detail of 1864 Beers' *Atlas*).

Each foundation roughly parallels or fronts Plank Road, with the house foundation surrounded by abandoned apple orchards, while the barn foundation is in a relatively open field area, with an active agricultural area adjacent to the north (Figure 7: Sheet 10). The principal house foundation is built of mortared and dressed limestone (capped with a single course of common red brick), measures 40 feet x 40 feet (12 m x 12 m), and is approximately six to eight feet (1.8 to 2.4 m) in depth below the surrounding ground surface. The southeastern corner of the foundation includes a recessed area measuring 18 feet x 10 feet (5.5 m x 3 m) that probably included a porch area. The foundation has two extensions on the eastern end: the northern measuring 20 feet x 20 feet (6 m x 6 m), the southern measuring 16 feet x 16 feet (4.9 m x 4.9 m). The extensions are built with the same materials and style as the larger foundation and are divided by a three foot-wide (.9 m) passageway, sunk to the approximate depth of the larger foundation, with a galvanized utility pipe extending vertically from the bottom of the passageway. Although little of the former house structure remains, EDR noted a number of intact hewn timbers, clapboard material, and other structural materials within the foundation, none of which bore any signs of charring from a previous fire that may have claimed the house.

The probable barn foundation measures 65 feet x 50 feet (19.8 m x 15.2 m), includes no above ground structural elements, and is largely overgrown by ground cover. Observable segments of the foundation include both mortared fieldstone and poured concrete, suggesting an extended period of use and reconstruction, similar to barn foundations identified at other sites associated with the Project. EDR personnel also identified two smaller indefinite poured concrete foundations, each measuring roughly 50 foot (15 m) square, with both largely covered by ground vegetation. The foundations are located 10 feet (3 m) west of the barn foundation (see Figure 7: Sheet 10). Given their proximity, the foundations in all likelihood supported outbuildings associated with the barn.

Although the proposed transmission line route does not pass through or in close proximity to any of the foundations identified with the site, the current route does pass through what may have been used as front yard space along the southern edge of the site (Figure 7: Sheet 10). To test for any buried archeological features or deposits, EDR personnel completed a total of 24 shovel tests, in six groups of four shovel tests along the proposed route, with each group separated by approximately 33 feet (10 m). In total, EDR recovered six artifacts from three shovel tests that included: a four-hole glass button and ferrous tack from HS9.09; a fragment of white refined earthenware with a blue glaze and the joint-end of a fractured bone from HS9.11; and window glass and a fragment of undecorated whiteware from HS9.15 (Photograph 106). Additionally, EDR field personnel did not note any evidence of buried archeological features (such as a well or cistern) in any of the 24 shovel tests.

4.0 SUMMARY AND CONCLUSIONS

4.1 Summary of Archeological Survey Methods and Results

The archeological survey was completed in accordance with the Work Plan and research design previously reviewed and approved by NYSOPRHP. At the time that the Work Plan was prepared, the layout and assumptions regarding temporary disturbance resulted in an archeological APE of 451 acres. Subsequent to the preparation of the Work Plan, the Project layout was revised and assumptions regarding the limits of temporary disturbance during construction were refined for some Project components (see Sections 1.2 and 2.3). Based on the revised Project layout and impact assumptions, the archeological APE for the Project is 342.8 acres in size. The level of effort for the Phase 1B archeological fieldwork (see Section 3) was based on the size of the APE as presented in the Work Plan. Therefore, the amount of archeological survey fieldwork conducted for the Project exceeds the required level of effort (per the *SHPO Wind Guidelines*) that would have been necessary to survey the APE for the revised Project layout.

Fieldwork methods for the Phase 1B archeological survey are summarized as follows:

- EDR conducted Phase 1B archeological survey fieldwork, within the limits of proposed disturbance for the Project, that included pedestrian surface survey in actively cultivated areas where ground surface visibility exceeded 70% (per NYSOPRHP's *Phase 1 Archeological Report Format Requirements* [NYSOPRHP, 2005]) and the completion of shovel tests in areas where ground surface visibility did not exceed 70% (i.e., forested, idle/successional, hay fields, and lawn areas). The SHPO *Guidelines* (OPRHP 2006) call for the intensive archeological testing (i.e., completion of shovel tests at a five meter interval) within limited sample areas distributed throughout the various landscape types intersected by a Project's components or more generally, the area of potential effects (APE). The underlying assumption to this approach is that upland areas suitable to wind power development are most likely to include small and ephemeral pre-contact (Native American) archeological sites (such as lithic scatters and camp sites) that are unlikely to be identified according to the NYSOPRHP standard 15-meter shovel testing interval. In accordance with this guideline, EDR personnel completed shovel testing of individual archeological survey areas by close-interval patterns (five meter spacing) within wooded, idle, and hayfield areas to adequately test landscape types intersected by the Project site in the following areas:
- At select wind turbine locations, EDR personnel established a shovel testing grid of seven transects with seven shovel tests, with shovel tests and transects spaced at a 5-meter interval, for a total of 49 shovel tests completed at each selected turbine site (see Section 2.1 and Figure 3).

- At select generating site components (i.e., access roads, buried interconnect routes, collection point) and along the transmission line corridor, EDR personnel completed five meter interval shovel testing according to two, three, or four transects (each spaced five meters apart) to adequately test the proposed limits of disturbance for a particular project component or co-located components (i.e., access roads and buried interconnects running parallel to each other). Depending on the number of transects employed, EDR personnel typically completed between 30 and up to 150 shovel tests along a given Project component at locations selected by EDR in accordance with the landscape classification model developed for the Phase 1B archeological survey (EDR 2013b). Per project design specifications, EDR assumed disturbance from access roads to attain 40 feet in width in cultivated areas and up to 100 feet in width in wooded areas, buried interconnect lines to attain 50 feet in width, and the transmission line to attain 100 feet in width, with additional project components (i.e., the O&M facility) shovel tested according to its proposed dimensions (see Sections 2.5 and 3.2).

The results of the Phase 1B archeological survey are summarized as follows:

- In total, EDR personnel excavated 3,425 shovel tests during the course of the Phase 1B survey. Within the proposed area of disturbance for Project components only, EDR completed a total of 3,295 shovel tests, including 1,069 shovel tests completed along the proposed route of the transmission line. EDR completed an additional 130 shovel tests during archeological surveys of nine map documented structure sites, making for 3,425 shovel tests completed in total.
- In total, EDR personnel conducted pedestrian survey of approximately 402 acres during the course of the Phase 1B survey, including 80 acres conducted along the proposed route of the transmission line.
- Two pre-contact Native American artifacts were recovered during the Phase 1B survey, one of which represents an archeological site (Number Three Road Site).
- EDR personnel recovered 316 historic-period artifacts during the Phase 1B survey (see Appendix F). Of these, EDR recovered a total of 131 artifacts from a total of 14 shovel tests not associated with any of the nine MDS sites investigated during Phase 1B fieldwork (see Appendix F). Of these 131 artifacts, 115 originated from a single shovel test, E2.73, located along the route of the transmission line. The remaining 187 artifacts were recovered from the nine MDS sites investigated during the Phase 1B fieldwork.

The Phase 1B archeological survey resulted in the identification of 10 archeological sites, summary descriptions of which are provided as follows:

- ***Number Three Road Site 1*** consists of a single, isolated pre-contact (Native American) ground-stone bifacial tool (what earlier sources frequently referred to as a "celt") (see Appendix F; Photograph 76). The tool measures 16 cm in length by 4.5 cm in maximum width and 2 cm in maximum height and recovered in the course of pedestrian survey of area C1. Additionally, the tool is made of a very fine-grained and dense shale, siltstone, or basalt and has been largely modified on the broader end, with one surface bearing a steeper-angled bevel in comparison to the opposite surface that bears a more gradual and evenly formed bevel. The tool bears no obvious ornamentation or other purposeful marks. Unlike most projectile points, ground-stone tools rarely possess diagnostic characteristics useful for dating or definitive cultural identification. However, research into Northeastern pre-contact history has proven useful in providing context for such isolated finds, demonstrating that "celts" first begin to appear in Early Archaic Period (7,000 to 5,500 BCE) sites in the region and become relatively common by the Early Woodland Period (1,000 to 1 BCE), with continued use up until the time of contact, when trade goods, including metal axes and tools, rapidly replace lithic tools used by native groups (Ritchie and Funk 1973).Following the discovery of the tool, EDR personnel conducted a more intensive (five meter and less in interval distance) pedestrian survey of the surrounding area (inclusively, pedestrian survey areas C1 and C2), and a series of 60 shovel tests (C16) along the proposed co-located routes of an access road and a buried interconnect that intersect with the find location. EDR personnel did not discover any additional pre-contact artifacts or materials through either the additional pedestrian survey or shovel testing in the area of the tool find, further suggesting that it is an isolated discovery not immediately associated with an adjacent previously unidentified pre-contact archeological site.
- ***Mud Street Historic Site 1*** (referred to as "Historic Site 1" or "HS1" during completion of the Phase 1B survey) includes the likely remains of a former sap house (or "sugar shack"), and includes a collapsed brick chimney, the portions of a multi-plate cast iron stove, discarded milk cans (possibly used for collecting or boiling sap), segments of flue pipe, ferrous hardware, and bottle glass.
- ***Halifax Road Historic Site 1*** (referred to as "Historic Site 2" or "HS2" during completion of the Phase 1B survey) includes a house foundation and a collapsed barn structure. The two foundations are surrounded by several older hardwood trees (most likely intentionally planted for shade or ornamentation) and thick underbrush and ground cover, some of which was also likely planted as ornamentation (including a dense growth of Japanese knotweed along the southwestern side of the house foundation and a cluster of creeping myrtle and daylilies along the southeastern side or house front). EDR personnel did not observe any additional standing structures, outbuildings, or any obvious shaft features, such as wells, cisterns, or privies, surrounding either of the two structures. EDR identified *Halifax Road Historic Site 2* on two period maps: the 1875 Beers' *Atlas of Lewis County* and the 1904 USGS *Carthage, N.Y.* 15-minute topographic quadrangle map. Although no currently proposed project components intersect with *Halifax Road Historic*

Site 1, EDR completed a series of thirty shovel tests (C15.01 through C15.30) along a grassy, level, and open segment of access road that follows a route within 60 feet (18 m) of the northeastern side of the collapsed barn. EDR personnel recovered no artifacts from these shovel tests and observed no buried archeological features along the access road route.

- ***Mud Street Historic Site 2*** (referred to as "Historic Site 3" or "HS3" during completion of the Phase 1B survey) includes two masonry foundations. The two foundations are parallel to the north side of an active farm lane and within an open and active dairy pasture. EDR identified *Mud Street Historic Site 2* on the 1875 Beers' *Atlas of Lewis County* but does not appear on the subsequent 1904 USGS *Carthage, N.Y.* 15-minute topographic quadrangle map. The 1875 Beers' *Atlas* labels "A. Anstin" as the occupant of the site, suggesting that at least one of the foundations was associated with a house or other domestic occupation. Although no currently proposed project components intersect with *Mud Street Historic Site 2*, EDR completed a series of twelve shovel tests (C16.01 through C16.12) in two transects parallel to the foundations (with six shovel tests on either side of the farm lane) in the event that the current farm lane is reconsidered for use as an access road route. EDR personnel recovered a total of 26 artifacts from these shovel tests but observed no additional archeological features within any of the twelve shovel tests. Half of the total recovered artifacts (13 in total) are concentrated in the shovel tests closest to the largest of the two foundations, with a majority of the concentration composed of domestic materials, dating from the mid- to late nineteenth century. The types and concentration of the artifacts strongly suggest that the larger foundation supported a house that was occupied through the period documented by the 1875 Beers' atlas map.
- ***Wilson Road Historic Site 1*** (referred to as "Historic Site 4" or "HS4" during completion of the Phase 1B survey) is composed of large (up to 10 feet high) piles of field stones, concrete rubble, and discarded agricultural equipment and appliances, mounded over a rough, rectilinear area that most likely encompassed a former house or farm site that is depicted on two period maps: the 1875 Beers' *Atlas of Lewis County* and the 1904 USGS *Carthage, N.Y.* 15-minute topographic quadrangle map. Due to the location of the mounds and thick underbrush, EDR personnel were not able to identify any definitive foundation segments or other structural traces; however, additional pedestrian reconnaissance of the area surrounding piles yielded no evidence of structural traces, suggesting that the mounds and brush conceal the remains of a former structure or structures. An active farm lane is also located to the west of the site area that intersects Wilson Road.
- ***Roberts Road Historic Site 1*** (referred to as "Historic Site 5" or "HS5" during completion of the Phase 1B survey) includes a probable house foundation and a barn foundation. The site is depicted on two period maps: the 1875 Beers' *Atlas of Lewis County* and the 1904 USGS *Carthage, N.Y.* 15-minute topographic quadrangle. Both foundations parallel an active farm lane that intersects Roberts Road, while the probable

house foundation is surrounded by abandoned apple orchards and other possible ornamental trees. The site includes a stone-lined well near to the east corner of the house foundation. The probable barn foundation is largely decayed and as a result, difficult to measure more closely to its final dimensions. EDR personnel completed a total of 30 shovel tests to test for any buried archeological features or deposits that the previous route of the buried interconnect might have intersected within the vicinity of *Roberts Road Historic Site 1* (the route has been subsequently altered to pass north of the orchard to avoid any impacts to the site). In total, EDR recovered four artifacts from three shovel tests that included clear bottle glass, white refined earthenware with a blue tint (possibly pearlware), vessel glass with green and milk swirling, and whiteware with green transfer print.

- ***Wilson Road Historic Site 2*** (referred to as "Historic Site 6" or "HS6" during completion of the Phase 1B survey) is a dense historic-period artifact scatter (including concentrations of common red brick and concrete rubble), located within an active agricultural field. The site was identified by EDR personnel through period map research and subsequently confirmed through completion a pedestrian survey of the field encompassing the route of the proposed buried interconnect with Turbines 23 and 24. The site is depicted on two period maps: the 1875 Beers' *Atlas of Lewis County* and the 1904 USGS *Carthage, N.Y.* 15-minute topographic quadrangle map. EDR personnel completed a total of 32 shovel tests along the previously proposed route of the buried interconnect. After completing the shovel tests, EDR personnel completed a close interval (five meter or less) pedestrian survey of the site, flagging artifacts with diagnostic for subsequent mapping and collection. In total, EDR personnel collected 68 artifacts through both shovel testing and pedestrian survey of the site. Both the surface collection and shovel test survey of the site revealed that the densest concentration of artifacts identified with the site is located 90 feet (27.4 m) northwest of Wilson Road and 50 feet (15 m) southeast of the proposed route of the buried interconnect. The relative small-size of the brick concentration mapped in the midst of the artifact concentration, combined with the lack of a discernable foundation depression or evidence of foundation in-filling, suggests that the former dwelling was a small frame structure, built on brick, stone, or other ground-level footings, perhaps with an attached brick chimney. Additionally, the lack of cut nails collected during the archeological survey could point to the use of a hewn-log structure that required less nails in its construction versus a sawn-frame and clapboard-sided structure. The route of the buried interconnect has been subsequently altered to pass south of the site and the opposite side of Wilson Road to avoid any impacts to the site.
- ***Plank Road Historic Site 1*** (referred to as "Historic Site 7" or "HS7" during completion of the Phase 1B survey) includes a dense historic-period artifact scatter, located on a rise within an active agricultural field near the end of an active farm lane. The site was identified by EDR personnel through period map research and subsequently confirmed through completion of a pedestrian survey of the agricultural field encompassing the former route of the proposed buried interconnect. EDR did not observe any recognizable

structural features or depressions within or adjacent to the scatter that may have been associated with a former house or agricultural buildings. The site is depicted on two period maps: the 1875 Beers' *Atlas of Lewis County* and the 1904 USGS *Carthage, N.Y.* 15-minute topographic quadrangle map. Prior to completing shovel testing of the site, EDR personnel completed a close interval (five meter or less) pedestrian survey of the area encompassing the artifact scatter, flagging artifacts with diagnostic attributes for subsequent mapping and collection. After initially identifying the artifact scatter and its approximate dimensions, EDR personnel completed a total of 20 shovel tests in two transects along the former route of the buried interconnect. In total, EDR personnel collected 81 artifacts through both shovel testing and pedestrian survey of the site. Both the surface collection and shovel test survey of the site revealed that the densest concentration of artifacts identified with the site is located 360 feet (110 m) west of a nearby unnamed drainage and intersected by the proposed route of the buried interconnect. During the completion of the pedestrian survey, EDR personnel noted a relative lack of common red brick or other masonry architectural materials. The lack of such building materials, including few nails, strongly suggests that the former dwelling was a hewn-log structure that lacked a substantial foundation or other deeper-excavated cellar that would be discernable as a depression in the existing ground surface. Additionally, the lack of cut nails collected during the archeological survey could point to the use of a hewn-log structure that required less nails in its construction versus a sawn-frame and clapboard-sided structure. The route of the buried interconnect has been subsequently altered to pass south and east of the site along an existing farm access road to avoid any impacts to the site.

- ***Plank Road Historic Site 2*** (referred to as "Historic Site 8" or "HS8" during completion of the Phase 1B survey) includes a large, artificial earthen mound formed over a rectilinear area that most likely encompasses a former house or farm site that was located on the north side of an active farm lane. EDR also noted several large fieldstones, exposed at the surface of the mound. The site is depicted on the 1875 Beers' *Atlas of Lewis County* and lists "R. Bart" as an occupant of the site. No definitive foundation segments or other structural traces (such as disarticulated brick or architectural stone) were visible on the surface within or adjacent to the mound; however, EDR personnel noted a light density of historic-period artifacts in a plowed field adjacent to the mound (whiteware and amber bottle glass fragments), on the opposite side of a road that borders the northeast margin of the mound. EDR personnel completed eight shovel tests along the southeast margin of the mound and an additional four shovel tests on the opposite side of the road, along the route of the buried interconnect. Through shovel testing of *Plank Road Historic Site* 2, EDR discovered no buried features or deposits and recovered only one artifact: a clear bottle fragment from shovel test HS8.06. EDR also completed a pedestrian survey of the buried interconnect route on the southeastern side of the farm lane and identified no additional artifacts on the plowed ground surface. Given the relative low volume of discovered artifacts and the lack of appearance of the site on period maps

after 1875, *Plank Road Historic Site 2* was most likely not occupied for a lengthy duration and was abandoned sometime prior to the twentieth century. EDR recommends that access road widening in the vicinity of Plank Road Historic Site 2 be restricted to the south side of the existing farm lane to avoid impacts to any possible buried archeological features or deposits associated with the mound identified on the north side of the farm lane.

- ***Plank Road Historic Site 3*** (referred to as "Historic Site 9" or "HS9" during completion of the Phase 1B survey) includes a house foundation and a probable barn foundation. The site is depicted on three period maps: the 1864 Beers' *New Topographical Atlas of Jefferson County, New York,* the 1888 Robinson's *Atlas of Jefferson County, NY* and the 1904 USGS *Carthage, N.Y.* 15-minute topographic quadrangle. Additionally, the 1864 Beers' *Atlas* and 1888 Robinson's *Atlas* list "H. W. Kilburn" as an occupant of the site for both years. The principal house foundation is built of mortared and dressed limestone. Although little of the former house structure remains, EDR noted a number of intact hewn timbers, clapboard material, and other structural materials within the foundation, none of which bore any signs of charring from a previous fire that may have claimed the house. The probable barn foundation includes no above ground structural elements, and is largely overgrown by ground cover. Observable segments of the foundation include both mortared fieldstone and poured concrete, suggesting an extended period of use and reconstruction, similar to barn foundations identified at other sites within the Project. Although the proposed transmission line route does not pass through or in close proximity to any of the foundations identified with the site, the current route does pass through what may have been used as front yard space along the southern edge of the site. EDR personnel completed a total of 24 shovel tests, in six groups of four shovel tests along the proposed route. In total, EDR recovered six artifacts from three shovel tests. Additionally, EDR field personnel did not note any evidence of buried archeological features (such as a well or cistern) in any of the 24 shovel tests.

In EDR's opinion, the archeological testing conducted at the nine MDS sites was sufficient to determine the spatial boundaries of the site (for the purpose of avoiding impacts to each site), identify foundations and other features, and generally assess the condition of archeological resources located at each of the nine sites in respect to proposed project components and areas of disturbance.

4.2 Conclusions and Recommendations

The Phase 1B archeological survey was conducted in accordance with a work plan (or research design) that was developed in consultation with (and approved by) NYSOPRHP staff. The archeological survey involved the excavation of approximately 3,425 shovel tests and the pedestrian surface survey of 402 acres, from which 318 artifacts were recovered. The Phase 1B survey resulted in the identification of one pre-contact (Native American) archeological site and nine historic-period archeological sites: one sap house site and eight probable farm sites with

domestic occupation components. With respects to the pre-contact archeological site (Number Three Road Site 1), EDR personnel did not discover any additional pre-contact artifacts or materials (such as fire-cracked stone) through additional pedestrian survey or shovel testing in the area of the original pre-contact tool find, suggesting that it is an isolated discovery not immediately associated with an adjacent previously unidentified pre-contact archeological site. Given this lack of additional pre-contact evidence, EDR does not recommend any additional treatment of the Number Three Road Site 1 location with respect to the proposed location of the access road and buried interconnect routes that intersect the site location.

With regards to the nine historic-period archeological sites, EDR recommended avoidance measures for four of the nine sites (Roberts Road Historic Site 1, Wilson Road Historic Site 2, Plank Road Historic Site 1, and Plank Road Historic Site 2) to OwnEnergy and its sub-consultants due to potential archeological site impacts (avoidance measures are listed in Table 9, below). OwnEnergy and its sub-consultants subsequently revised buried interconnect routes in the vicinities of three sites, thereby avoiding impacts to the identified site components, while EDR further recommends restricting road improvement and widening in the vicinity of the fourth site, Plank Road Historic Site 2. Additionally, EDR recommends that any future Project component design modifications take in account the remaining five sites (Mud Street Historic Site 1, Halifax Road Historic Site 1, Mud Street Historic Site 2, Wilson Road Historic Site 1, and Plank Road Historic Site 3); however, in EDR's opinion, current Project designs will not negatively impact any of these five sites and therefore, do not require any specific treatment plans.

Table 9. EDR Archeological Site Avoidance Measures

Site Name	Location	Map References	Site Description	Avoidance Measures
Roberts Road Historic Site 1 (HS 5)	330'/100 m southeast of Roberts Road	Figure 6: Sheet 10 Figure 7: Sheet 6	House foundation (24' x 28') Barn foundation (~80' x ~40')	Rerouted buried interconnect to T15 to avoid archeological site
Wilson Road Historic Site 2 (HS 6)	150'/46 m northwest of Wilson Road	Figure 6: Sheet 22 Figure 7: Sheet 7	Surface artifact and brick scatter (200' x ~180)	Rerouted buried interconnect between T23 and T24 to avoid archeological site
Plank Road Historic Site 1 (HS 7)	625'/191 m southwest of Plank Road	Figure 6: Sheet 2 Figure 7: Sheet 8	Surface artifact scatter (~200' x ~100')	Rerouted buried interconnect to T53 to avoid archeological site
Plank Road Historic Site 2 (HS 8)	1,150'/361 m northeast of Plank Road	Figure 6: Sheet 8 Figure 7: Sheet 9	Probable foundation area (~80' x ~40'); low density adjacent artifact scatter	Restrict road improvement to south side of existing farm lane to avoid archeological site

Following completion of the Phase 1B archeological survey, minor modifications to the Project layout were made to avoid impacts to archeological resources (per the measures summarized in Table 9). The locations of proposed Project components (access roads and/or interconnects) that intersected or were located adjacent to identified archeological sites (i.e., within 100 feet) were revised and relocated away from the archeological sites. To minimize

the likelihood that any unanticipated impacts to archeological sites occur as a result on subsequent minor layout changes or construction activities, the mapped locations of identified archeological sites will be included on Project construction maps surrounded by a 100-foot (minimum) buffer, identified as “Environmentally Sensitive Areas” or similar, and marked in the field by construction fencing with signs that restrict access. These measures should be adequate to insure that impacts to archeological resources are avoided. In addition, in the event that unanticipated archeological resources are encountered during construction, the Environmental Monitor will stop all work in the vicinity of the archeological finds until those resources can be evaluated and documented by a Registered Professional Archeologist. With the adoption of these measures, the proposed Copenhagen Wind Project is not anticipated to affect any significant archeological resources.

5.0 REFERENCES

Beauchamp, W.M. 1900. *Aboriginal Occupation of New York.* Bulletin of the New York State Museum, No. 32, Volume 7. The University of the State of New York, Albany.

Beers, F.W. 1864. *New Topographical Atlas of Jefferson County, New York*. C.K. Stone, Philadelphia, PA.

Beers, D.G. 1875. *Atlas of Lewis County, New York.* D.G. Beers, New York, NY.

Bureau of Land Management/Society for Historical Archaeology (BLM/SHA). 2014. *Historic Glass Bottle Identification and Information Website*. http://www.sha.org/bottle/

Einhorn, Arthur. 1969. *An Archaeological Site Survey Reconnaissance of Lewis County, New York.* Prepared for the Annual Conference of the New York State Archaeological Association, University at Buffalo, Buffalo, NY.

EDR Environmental Services, LLC (EDR). 2013a. *Phase 1A Cultural Resources Survey: Copenhagen Wind Farm, Lewis County, NY*. EDR, Syracuse, NY.

EDR. 2013b. *Draft Environmental Impact Statement (DEIS): Copenhagen Wind Farm, Lewis County, NY*. EDR, Syracuse, NY.

EDR. 2013c. *Visual Impact Assessment (VIA): Copenhagen Wind Farm, Lewis County, NY*. EDR, Syracuse, NY.

Funk, R.E. (editor). 1993a. *Archaeological Investigations in the Upper Susquehanna Valley, New York State*. Volume I. Persimmon Press, Buffalo, NY.

Funk, R.E. 1993b. Subsistence, Settlement, and Seasonality. In *Archaeological Investigations in the Upper Susquehanna Valley, New York State*. Volume I, pp. 245-312. Persimmon Press, Buffalo, NY.

Maple Trader website. 2014. Website: mapletrader.com/traderclassifieds/evaporators/p124-2x8-small-brothers-lightning.html. Accessed January 2014.

New York Archaeological Council (NYAC). 1994. *Standards for Cultural Resources Investigations and the Curation of Archaeological Collections in New York* State. New York State Office of Parks, Recreation, and Historic Preservation, Waterford, NY.

New York State Office of Parks, Recreation, and Historic Preservation (NYSOPRHP). 2005. *New York State Historic Preservation Office (SHPO) Phase 1 Archaeological Report Format Requirements*. New York State Office of Parks, Recreation, and Historic Preservation, Waterford, NY.

Noble, Allen G. and Richard K. Kleek. 1995. The Old Barn Book: A Field Guide to North American Barns and Other Farm Structures. Rutgers University Press, New Brunswick, NJ.

NYSOPRHP. 2006. *New York State Historic Preservation Office Guidelines for Wind Farm Development Cultural Resources Survey Work*. New York State Office of Parks, Recreation, and Historic Preservation, Waterford, NY.

St. Lawrence Condensed Milk Company/Second Circuit Court of Appeals.1925. Bankruptcy proceedings. Case records accessed at: http://www.leagle.com/decision/19259059F2d896_1619 (2014).

Parker, A.C. 1922. *The Archaeological History of New York State, Part 2*. New York State Museum Bulletin Nos.

237 and 238. The University of the State of New York, Albany.

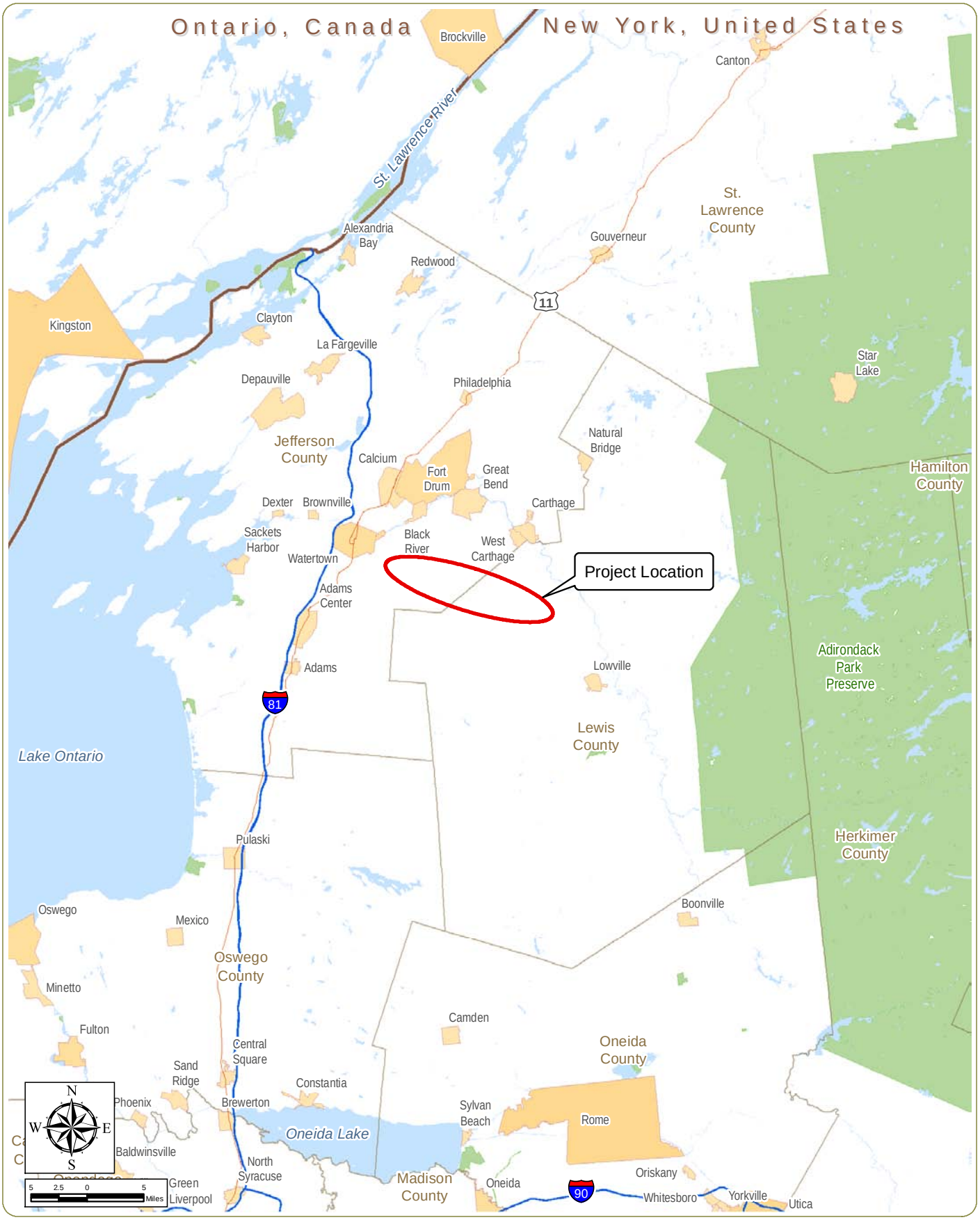
Ritchie, William and Robert Funk. 1973. *Aboriginal Settlement Patterns in the Northeast*. State University of New York, State Education Department. Albany, NY.

Robinson, E. 1888. *Atlas of Jefferson County, New York*. E. Robinson, New York.

United States Geological Survey (USGS). 1904. *Carthage, NY*. 15-minute Topographic Quadrangle. U.S. Geological Survey, Washington, D.C.

United States Geological Survey (USGS). 1909. *Watertown, NY*. 15-minute Topographic Quadrangle. U.S. Geological Survey, Washington, D.C.

Figures



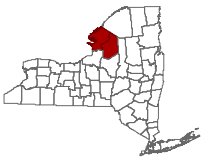
Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark - Lewis County, NY and
Towns of Rutland, and Champion, - Jefferson County, NY

Figure 1: Regional Project Location

January 2014

Notes: Basemap: ESRI Streetmap North America, 2008.



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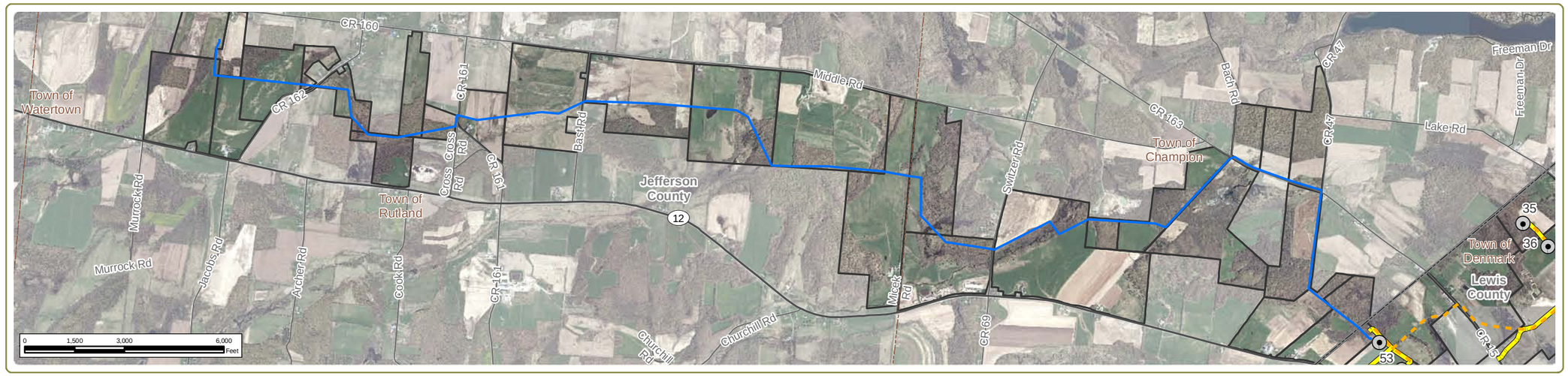
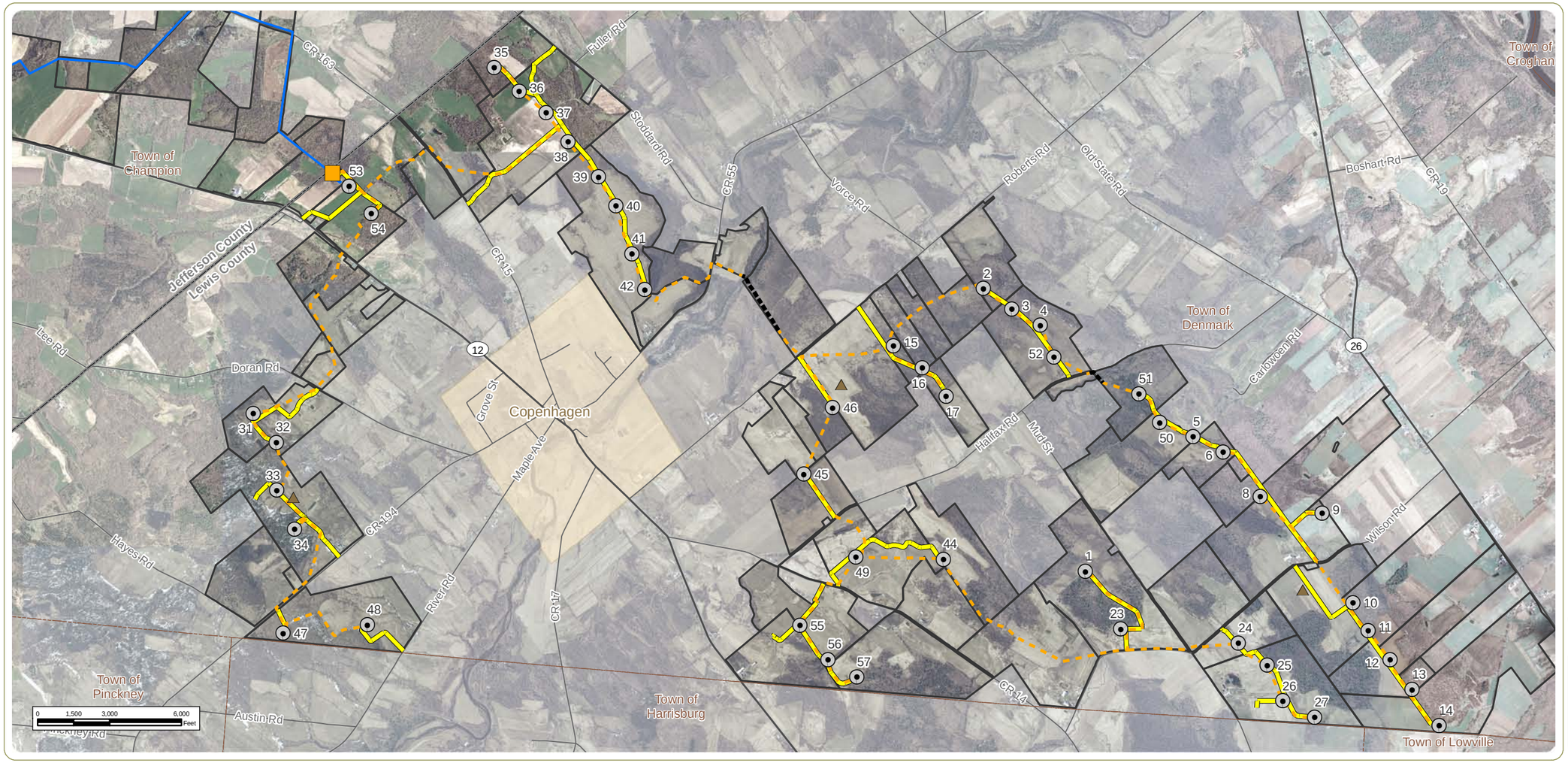
Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County and Towns of Rutland, and Champion, Jefferson County, New York

Figure 2: Project Layout

January 2014





- Wind Turbine
- Switchyard
- Meteorological Tower
- Transmission Line
- Buried Interconnect
- Overhead Interconnect
- Access Road
- Project Area
- City or Village
- Town Boundary
- County Boundary

Notes:
Base Map: 2-foot resolution natural color orthoimagery, year 2009 and 2011.

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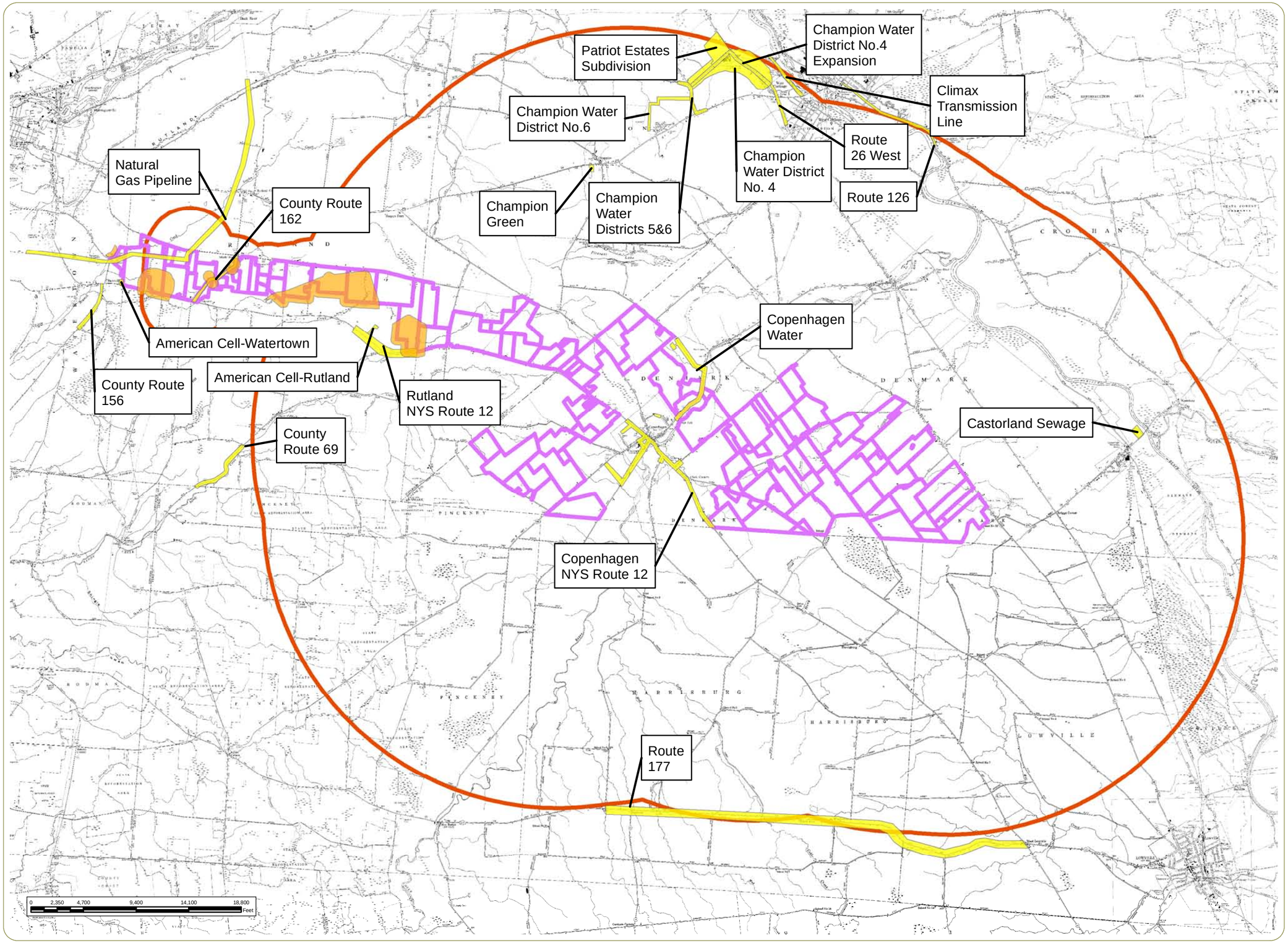

Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County, and Towns of Champion, and Rutland, Jefferson County, New York

Figure 3: Previous Archeological Surveys

January 2014

- Archeologically Sensitive Area
- Previous Cultural Resources Survey
- Project Site Parcels
- 5 Mile Study Area

Notes:
Basemap: NYSDOT 1:24,000 Quadrangles, Copenhagen, Carthage, Rutland Center, Barnes Corners, New Boston, and West Lowville.

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Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County, and Towns of Champion, and Rutland, Jefferson County, New York

Figure 4: Map Documented Structures

January 2014

MDS Location

- 1864 Childs
- 1875 Beers
- 1888 Robinson
- 1904-1909 USGS
- APE
- Project Boundary
- Town Boundary
- County Boundary

Notes:
Basemap: 2-foot resolution orthoimagery, 2009.

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Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County, and Towns of Champion, and Rutland, Jefferson County, New York

Figure 5: Landscape Classification

January 2014

- Wind Turbine
- Meteorological Tower
- Transmission Line
- Buried Interconnect
- Access Road
- POI Substation
- Collection Station
- O&M Building and Laydown Yard
- Project Boundary
- Parcel Boundary
- Town Boundary
- County Boundary

Landscape Classification

- Steep Slope
- Upland near Stream
- Upland near Wetland
- Upland (no water)
- Valley Wall near Stream
- Valley Wall near Wetland
- Valley Wall (no water)

Notes:
Basemap: Hillshade derived from USGS DEM data for Barnes Corners, Black River, Carthage, Copenhagen, Croghan, Deferiet, Lowville, Natural Bridge, New Boston, North Wilna, Rutland Center and West Lowville 7.5-minute quadrangles.

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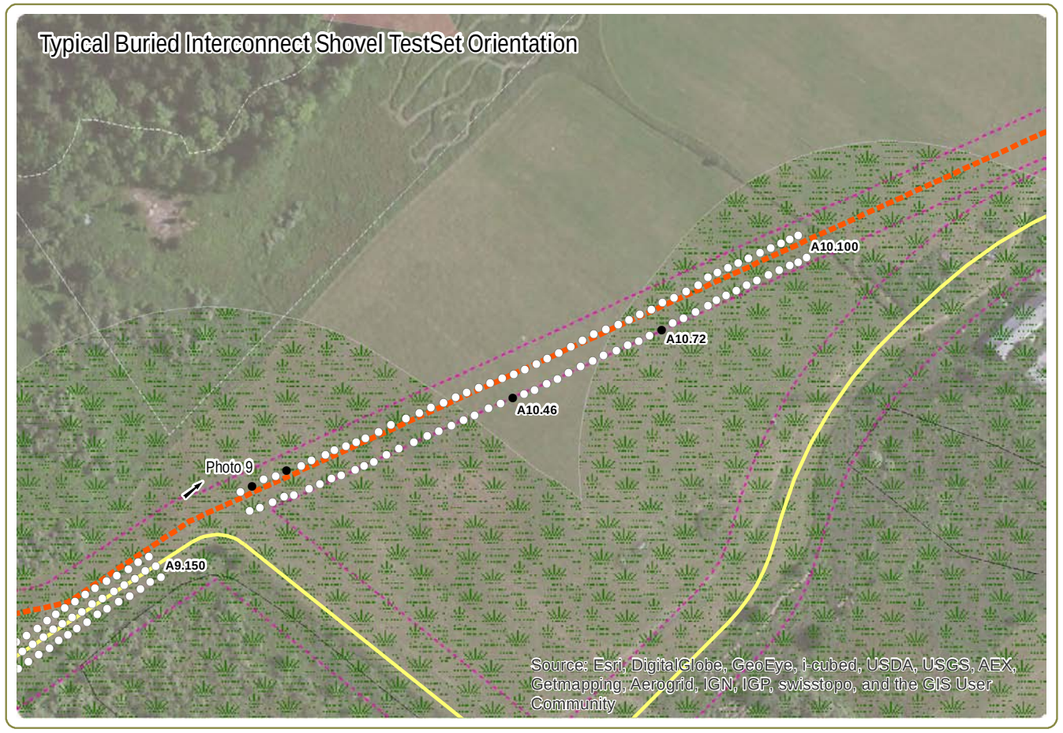

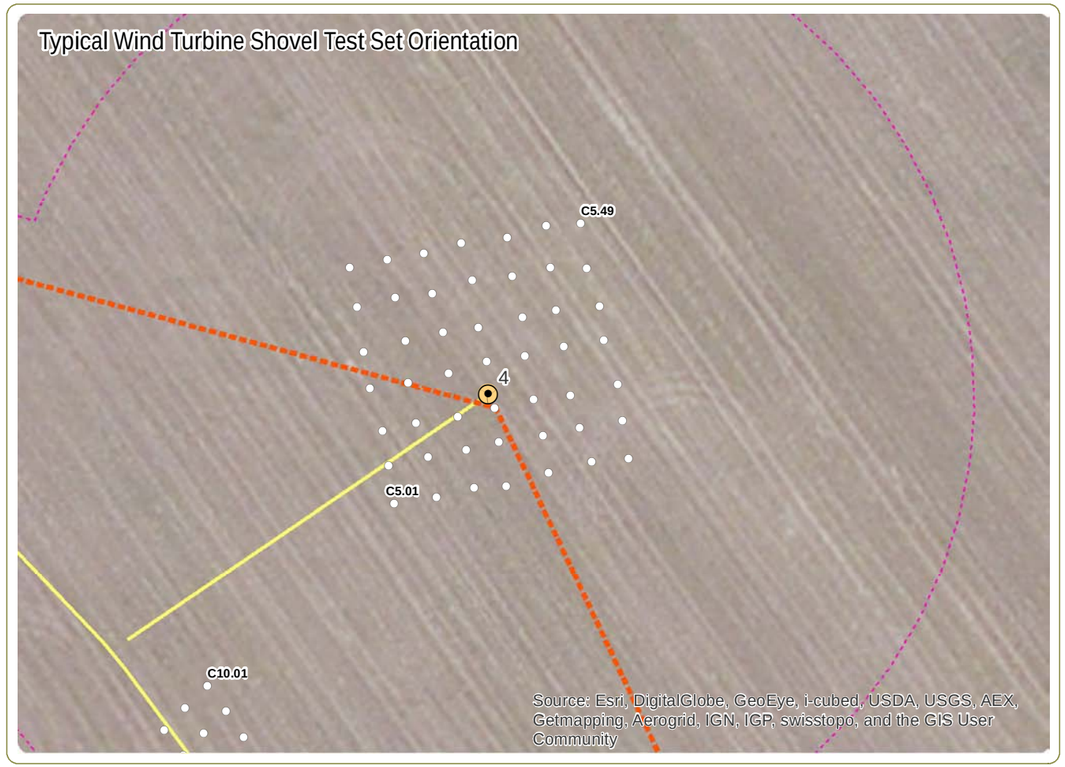

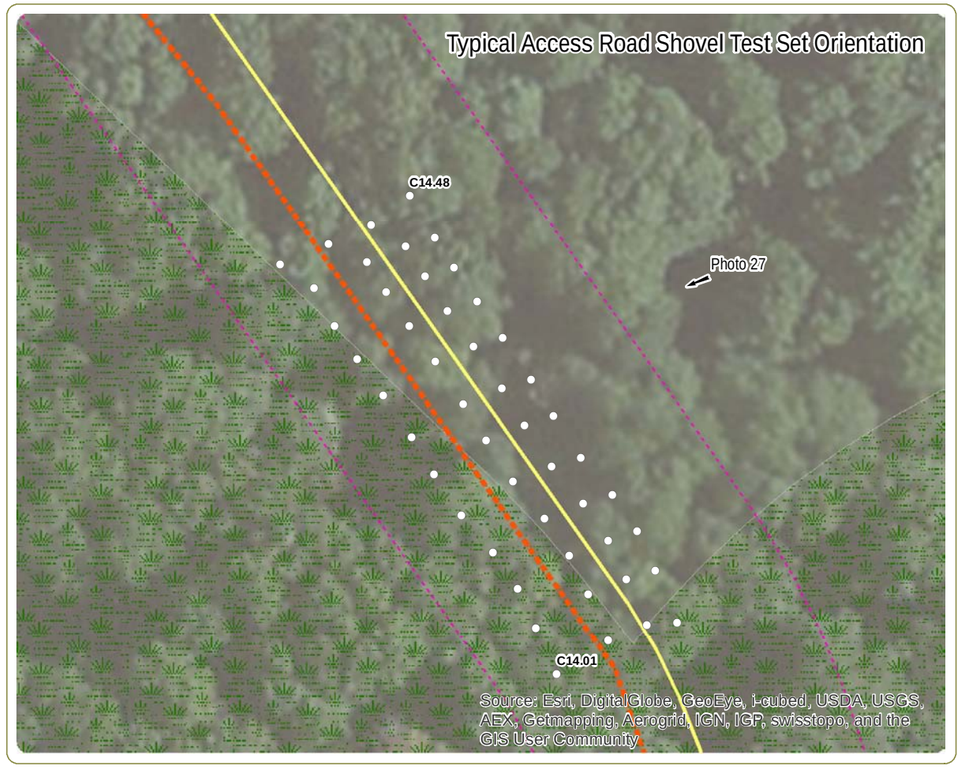

Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

Figure 6A: Typical Shovel Test Group Orientations

January 2014

Photo Location and Angle

Shovel Test Results
- No Cultural Material
- Historic Material
- Turbines
- Meteorological Tower
- Transmission Feeder
- Buried Interconnection
- Overhead Interconnection
- Access Roads
- Stream
- O&M Building and Laydown Yard
- Interconnection
- Substation
- APE
- Pedestrian Survey Area
- Approximate Wetland
- Parcels
- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland

Notes:
Basemap: ESRI online imagery.

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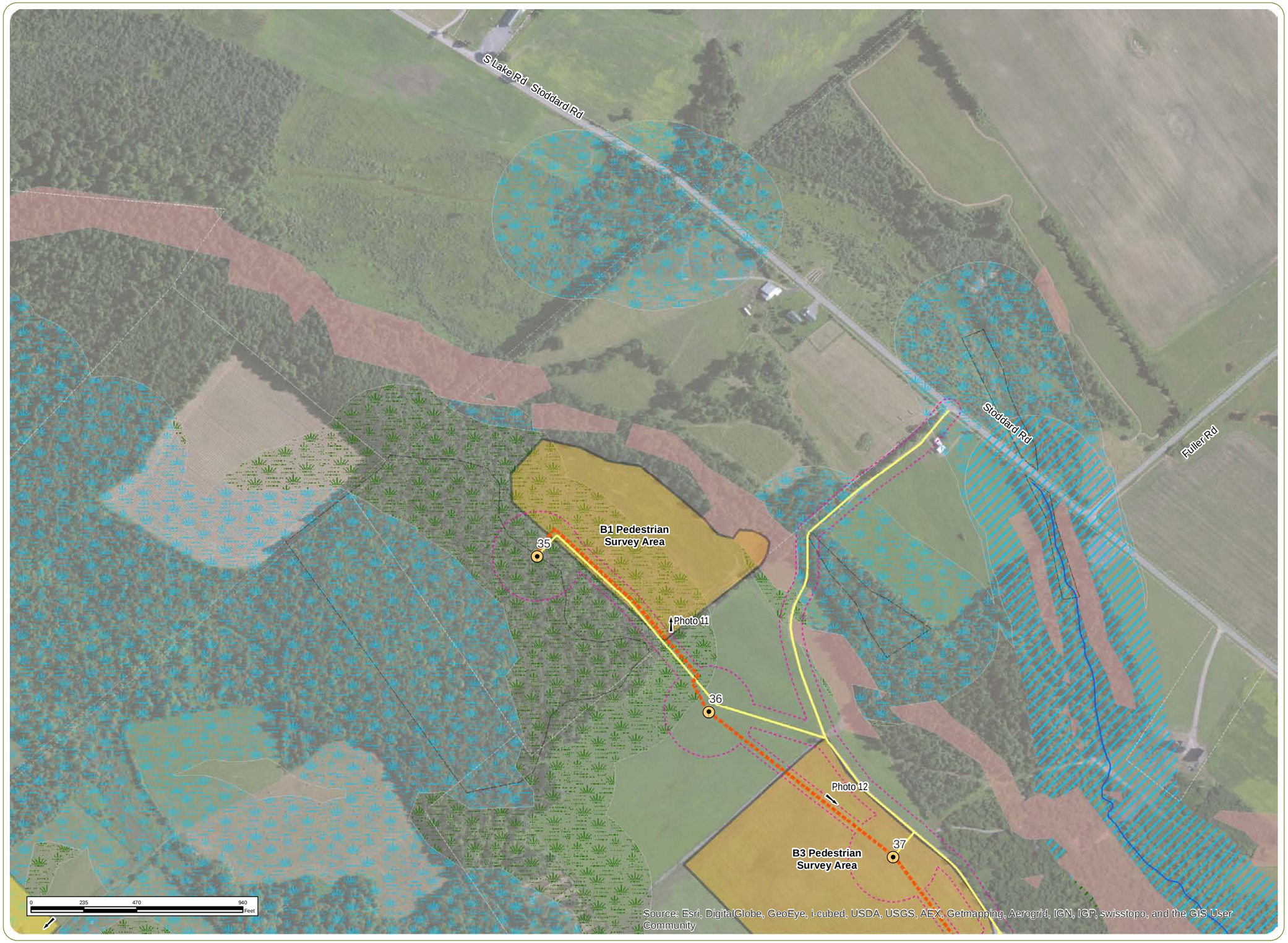


Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

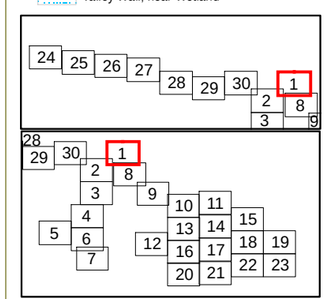
Figure 6: Results of Archeological Survey

Sheet 1 of 30 January 2014

Photo Location and Angle

Shovel Test Results
- No Cultural Material
- Historic Material
- Turbines
- Meteorological Tower
- Transmission Feeder
- Buried Interconnection
- Overhead Interconnection
- Access Roads
- Stream
- O&M Building and Laydown Yard
- Interconnection
- Substation
- Area of Potential Effect (APE)
- Pedestrian Survey Area
- Approximate Wetland
- Parcels

Landscape Classification
- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland



Notes:
Basemap: ESRI online imagery.

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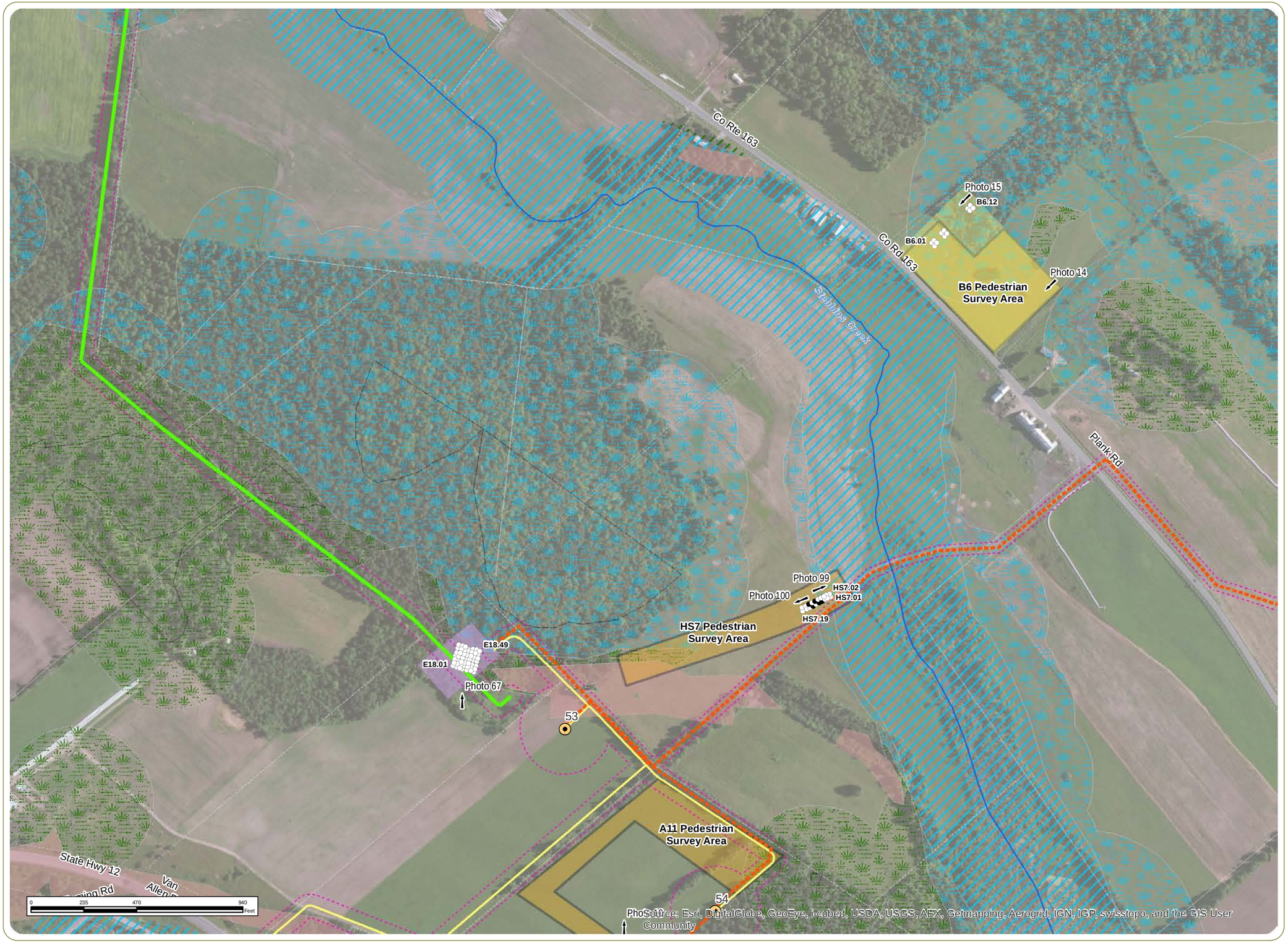


Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

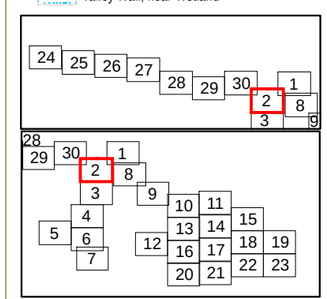
Figure 6: Results of Archeological Survey

Sheet 2 of 30 January 2014

Photo Location and Angle

Shovel Test Results
- No Cultural Material
- Historic Material
- Turbines
- Meteorological Tower
- Transmission Feeder
- Buried Interconnection
- Overhead Interconnection
- Access Roads
- Stream
- O&M Building and Laydown Yard
- Interconnection
- Substation
- Area of Potential Effect (APE)
- Pedestrian Survey Area
- Approximate Wetland
- Parcels

Landscape Classification
- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland



Notes:
Basemap: ESRI online imagery.

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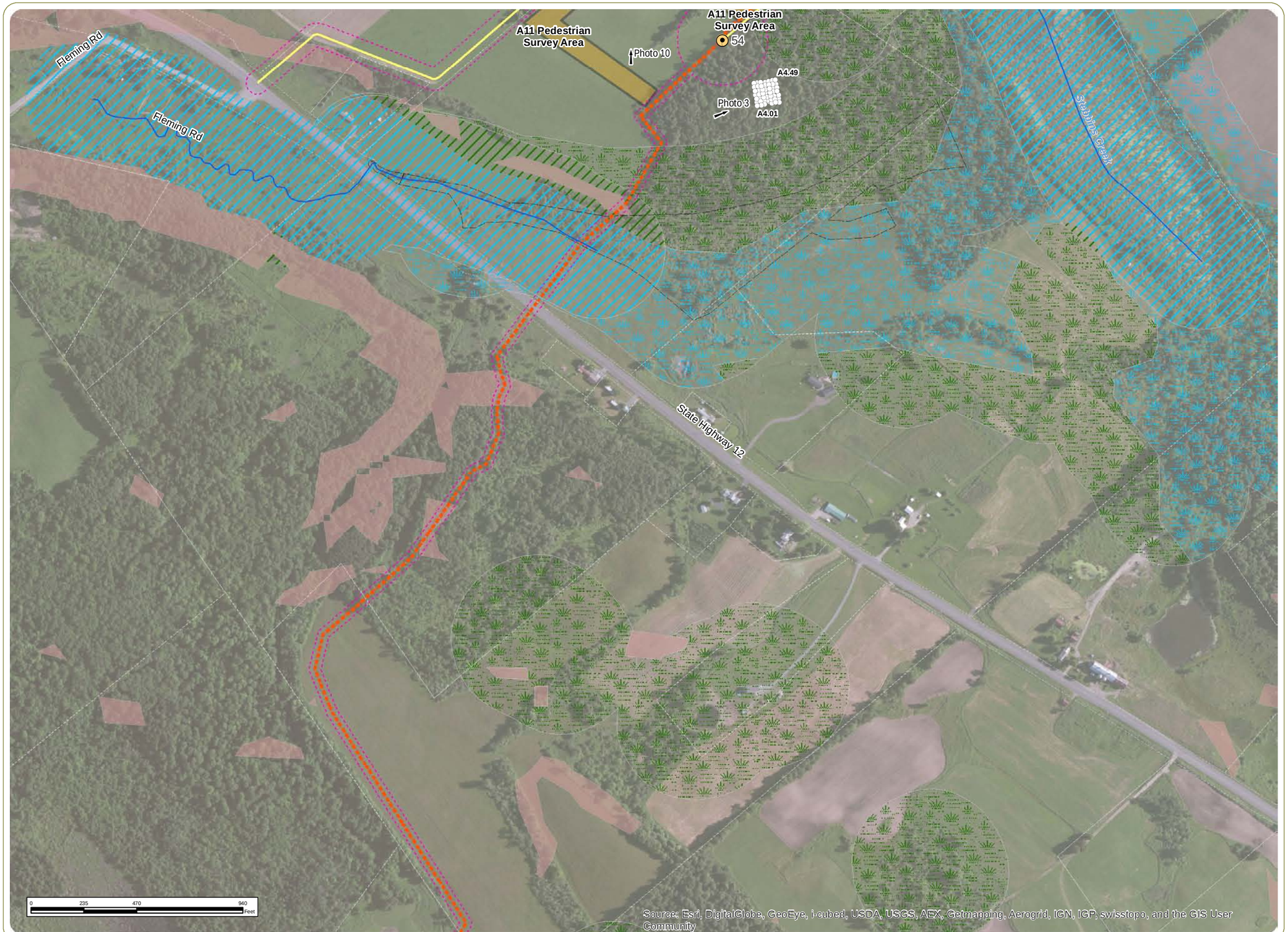


Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

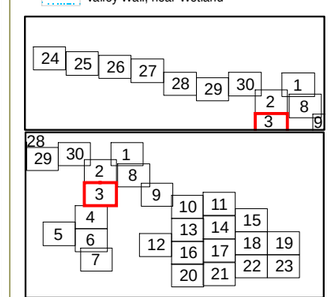
Figure 6: Results of Archeological Survey

Sheet 3 of 30 January 2014

Photo Location and Angle

Shovel Test Results
- No Cultural Material
- Historic Material
- Turbines
- Meteorological Tower
- Transmission Feeder
- Buried Interconnection
- Overhead Interconnection
- Access Roads
- Stream
- O&M Building and Laydown Yard
- Interconnection
- Substation
- Area of Potential Effect (APE)
- Pedestrian Survey Area
- Approximate Wetland
- Parcels

Landscape Classification
- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland



Notes:
Basemap: ESRI online imagery.

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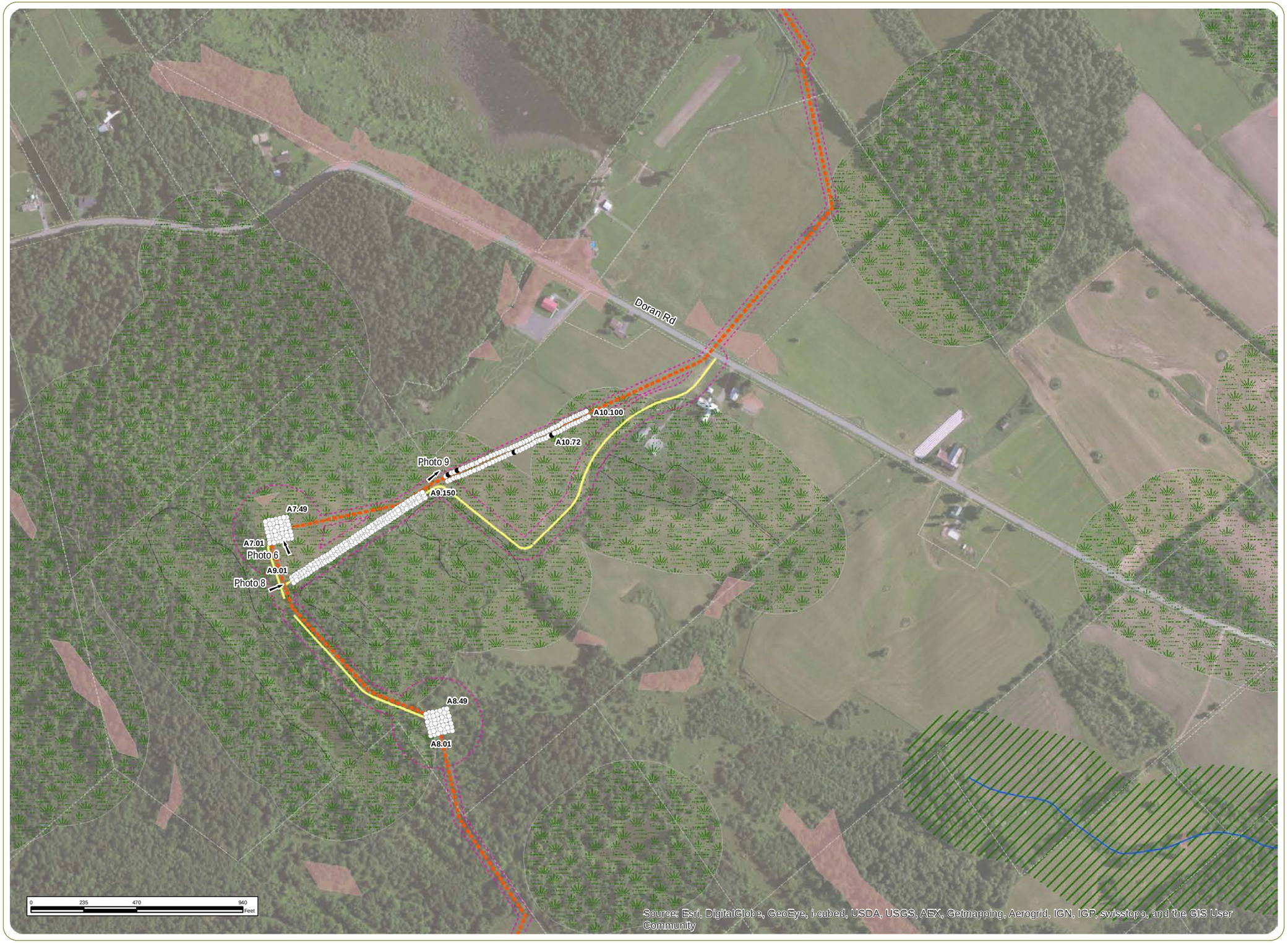


Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

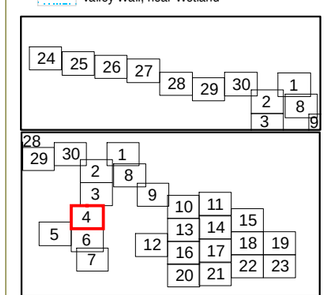
Figure 6: Results of Archeological Survey

Sheet 4 of 30 January 2014

Photo Location and Angle

Shovel Test Results
- No Cultural Material
- Historic Material
- Turbines
- Meteorological Tower
- Transmission Feeder
- Buried Interconnection
- Overhead Interconnection
- Access Roads
- Stream
- O&M Building and Laydown Yard
- Interconnection
- Substation
- Area of Potential Effect (APE)
- Pedestrian Survey Area
- Approximate Wetland
- Parcels

Landscape Classification
- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland



Notes:
Basemap: ESRI online imagery.

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Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

Figure 6: Results of Archeological Survey

Sheet 5 of 30 January 2014

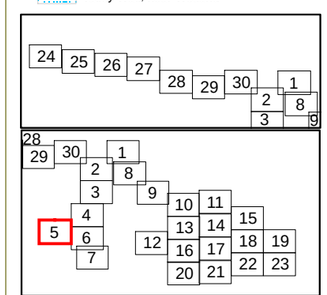
Photo Location and Angle

Shovel Test Results

- No Cultural Material
- Historic Material
- Turbines
- Meteorological Tower
- Transmission Feeder
- Buried Interconnection
- Overhead Interconnection
- Access Roads
- Stream
- O&M Building and Laydown Yard
- Interconnection
- Substation
- Area of Potential Effect (APE)
- Pedestrian Survey Area
- Approximate Wetland
- Parcels

Landscape Classification

- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland



Notes:
Basemap: ESRI online imagery.

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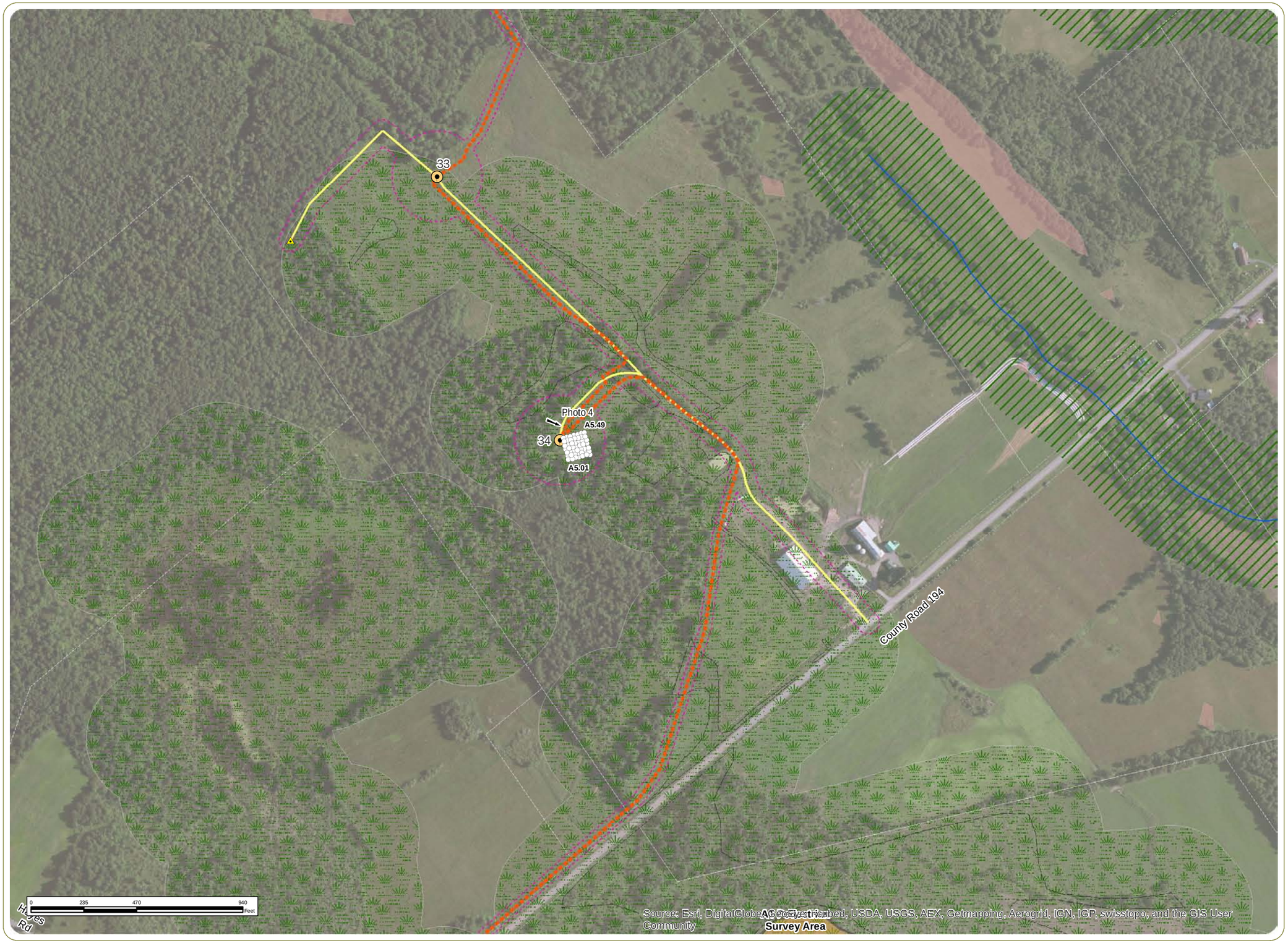


Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

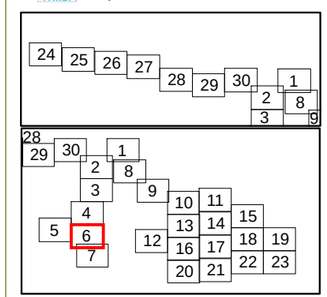
Figure 6: Results of Archeological Survey

Sheet 6 of 30 January 2014

Photo Location and Angle

Shovel Test Results
- No Cultural Material
- Historic Material
- Turbines
- Meteorological Tower
- Transmission Feeder
- Buried Interconnection
- Overhead Interconnection
- Access Roads
- Stream
- O&M Building and Laydown Yard
- Interconnection
- Substation
- Area of Potential Effect (APE)
- Pedestrian Survey Area
- Approximate Wetland
- Parcels

Landscape Classification
- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland



Notes:
Basemap: ESRI online imagery.

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Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

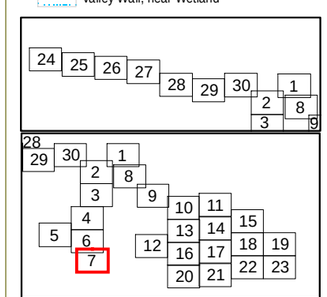
Figure 6: Results of Archeological Survey

Sheet 7 of 30 January 2014

Photo Location and Angle

Shovel Test Results
- No Cultural Material
- Historic Material
- Turbines
- Meteorological Tower
- Transmission Feeder
- Buried Interconnection
- Overhead Interconnection
- Access Roads
- Stream
- O&M Building and Laydown Yard
- Interconnection
- Substation
- Area of Potential Effect (APE)
- Pedestrian Survey Area
- Approximate Wetland
- Parcels

Landscape Classification
- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland



Notes:
Basemap: ESRI online imagery.

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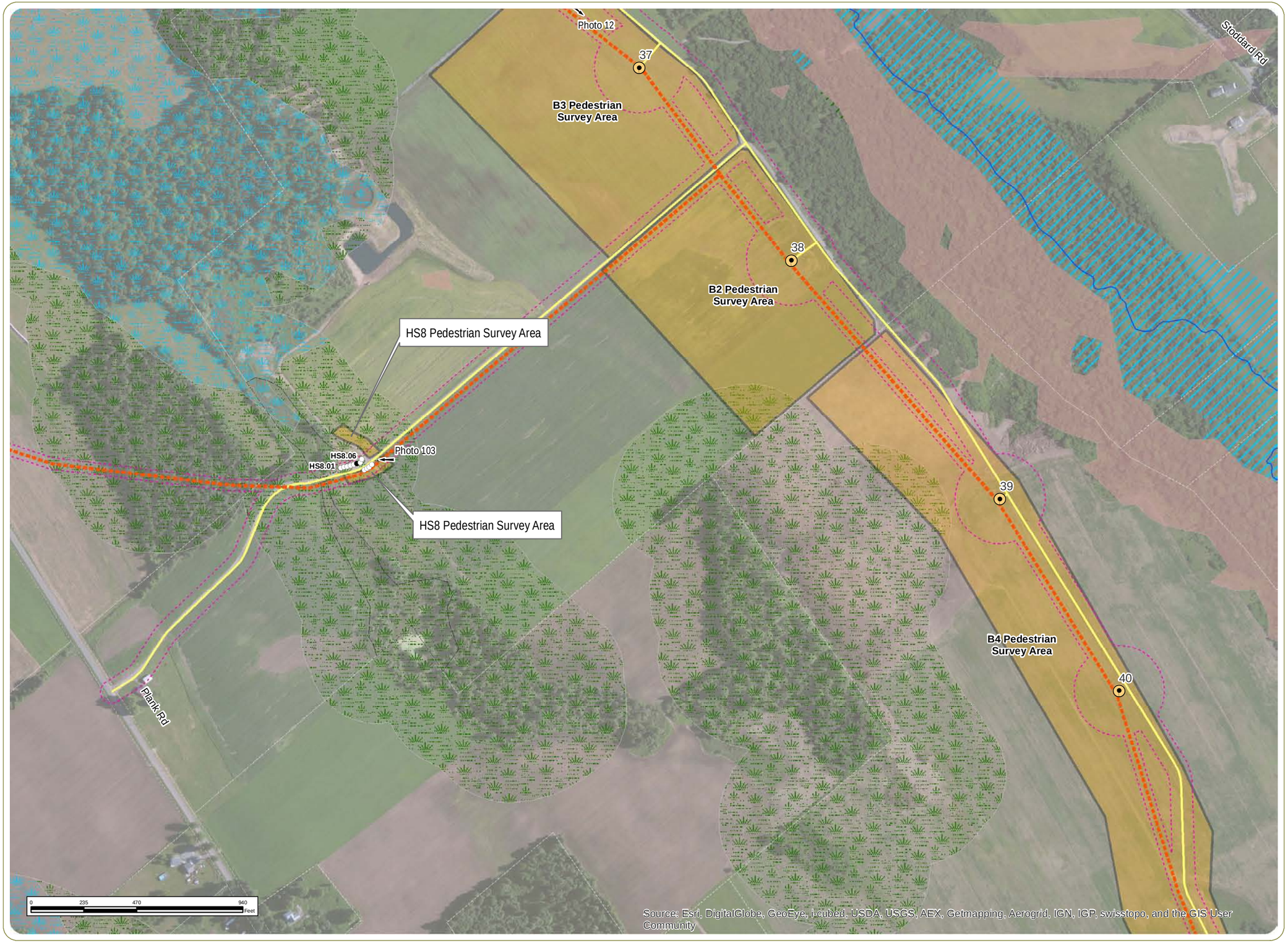


Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

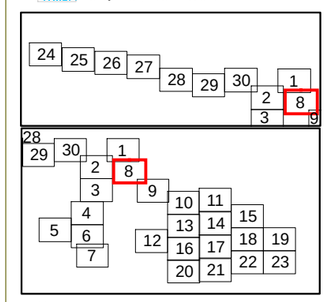
Figure 6: Results of Archeological Survey

Sheet 8 of 30 January 2014

Photo Location and Angle

Shovel Test Results
- No Cultural Material
- Historic Material
- Turbines
- Meteorological Tower
- Transmission Feeder
- Buried Interconnection
- Overhead Interconnection
- Access Roads
- Stream
- O&M Building and Laydown Yard
- Interconnection
- Substation
- Area of Potential Effect (APE)
- Pedestrian Survey Area
- Approximate Wetland
- Parcels

Landscape Classification
- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland



Notes:
Basemap: ESRI online imagery.

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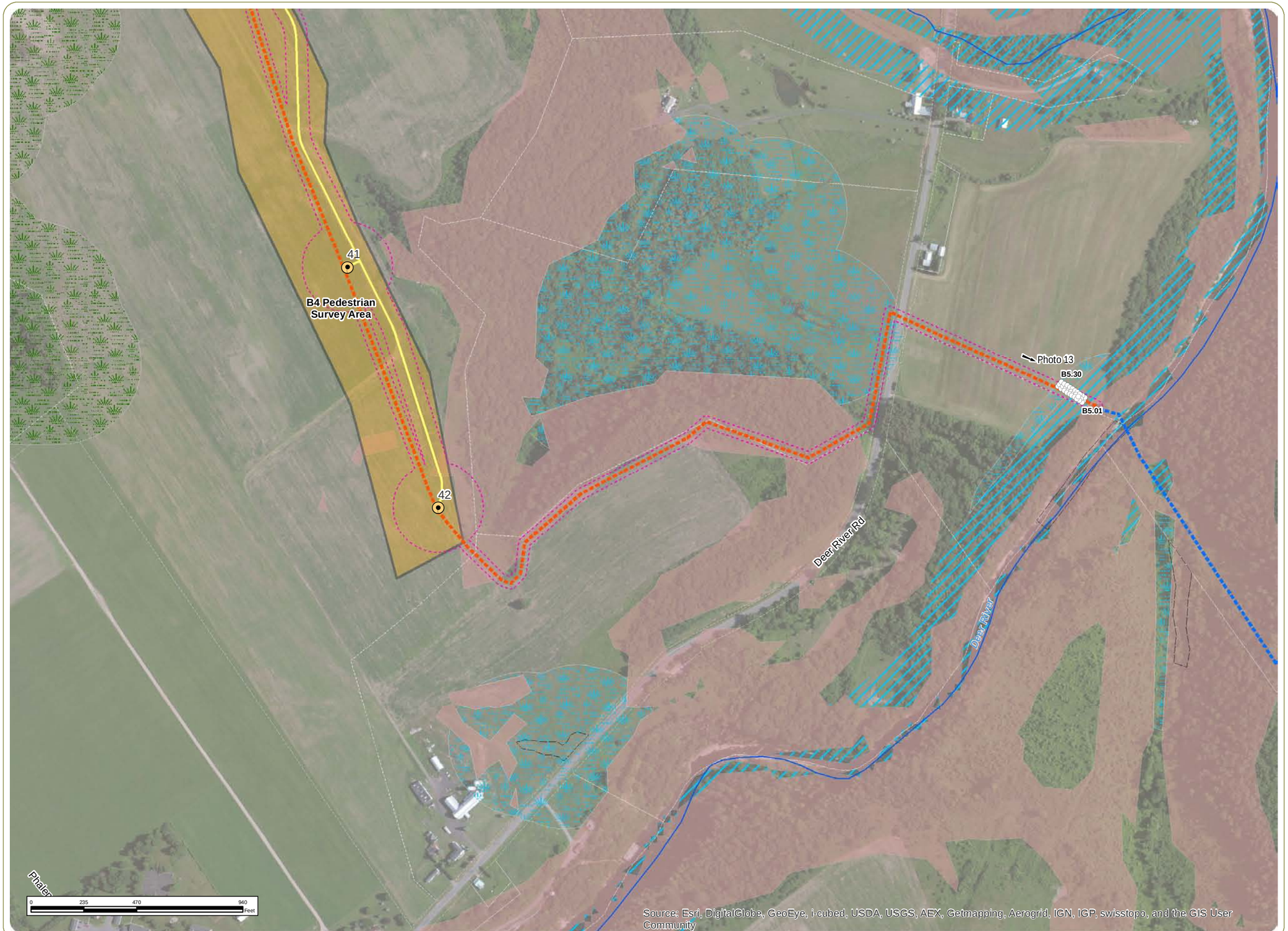


Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

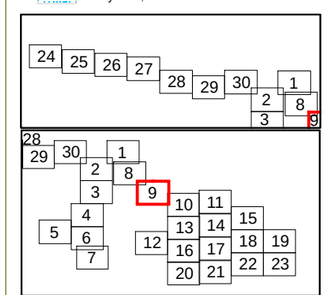
Figure 6: Results of Archeological Survey

Sheet 9 of 30 January 2014

Photo Location and Angle

Shovel Test Results
- No Cultural Material
- Historic Material
- Turbines
- Meteorological Tower
- Transmission Feeder
- Buried Interconnection
- Overhead Interconnection
- Access Roads
- Stream
- O&M Building and Laydown Yard
- Interconnection
- Substation
- Area of Potential Effect (APE)
- Pedestrian Survey Area
- Approximate Wetland
- Parcels

Landscape Classification
- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland



Notes:
Basemap: ESRI online imagery.

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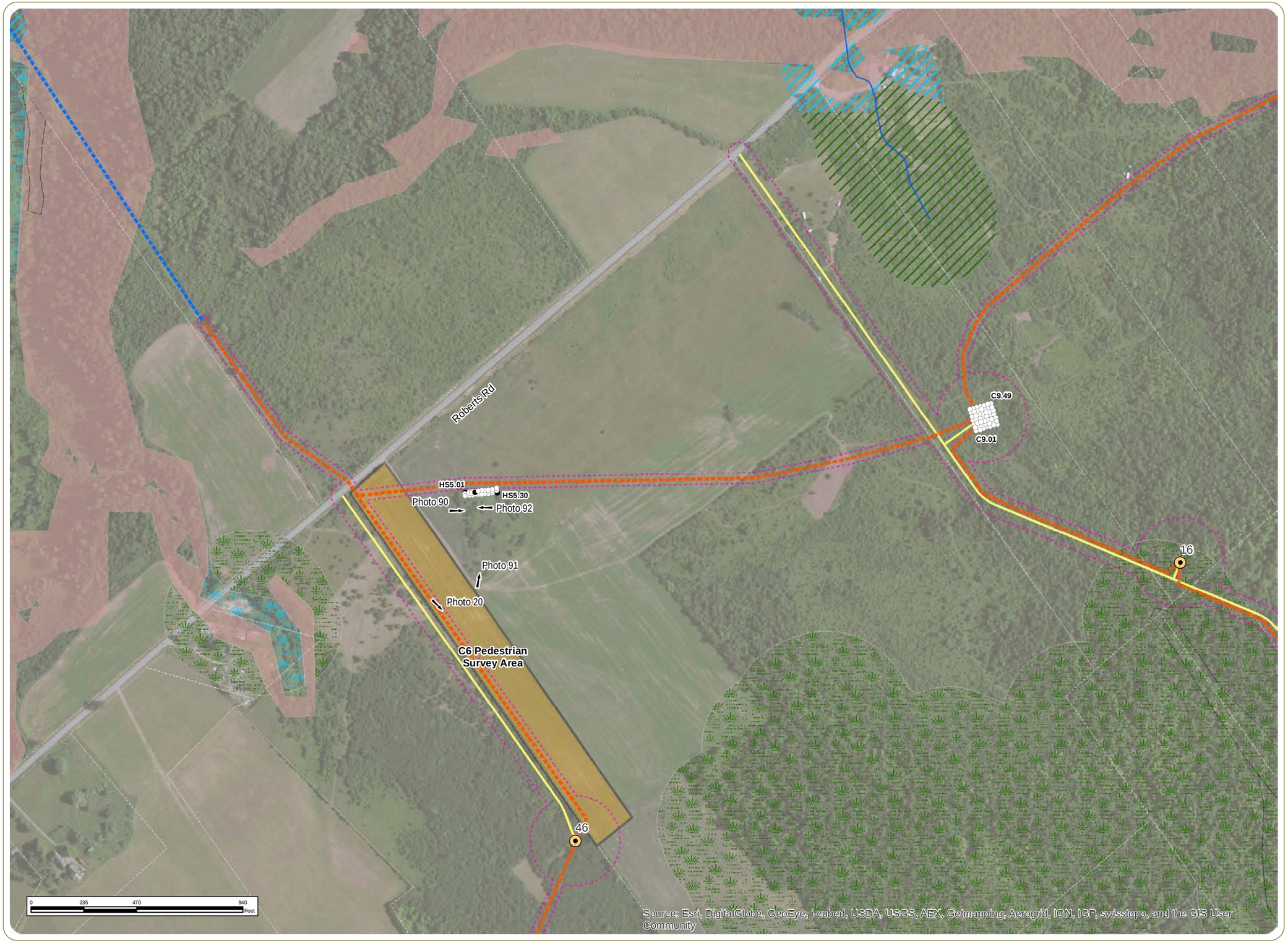


Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

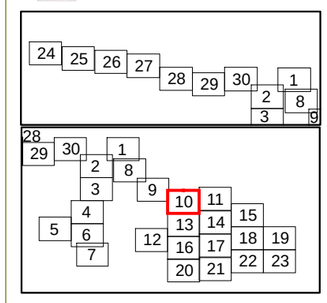
Figure 6: Results of Archeological Survey

Sheet 10 of 30 January 2014

Photo Location and Angle

Shovel Test Results
- No Cultural Material
- Historic Material
- Turbines
- Meteorological Tower
- Transmission Feeder
- Buried Interconnection
- Overhead Interconnection
- Access Roads
- Stream
- O&M Building and Laydown Yard
- Interconnection
- Substation
- Area of Potential Effect (APE)
- Pedestrian Survey Area
- Approximate Wetland
- Parcels

Landscape Classification
- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland



Notes:
Basemap: ESRI online imagery.

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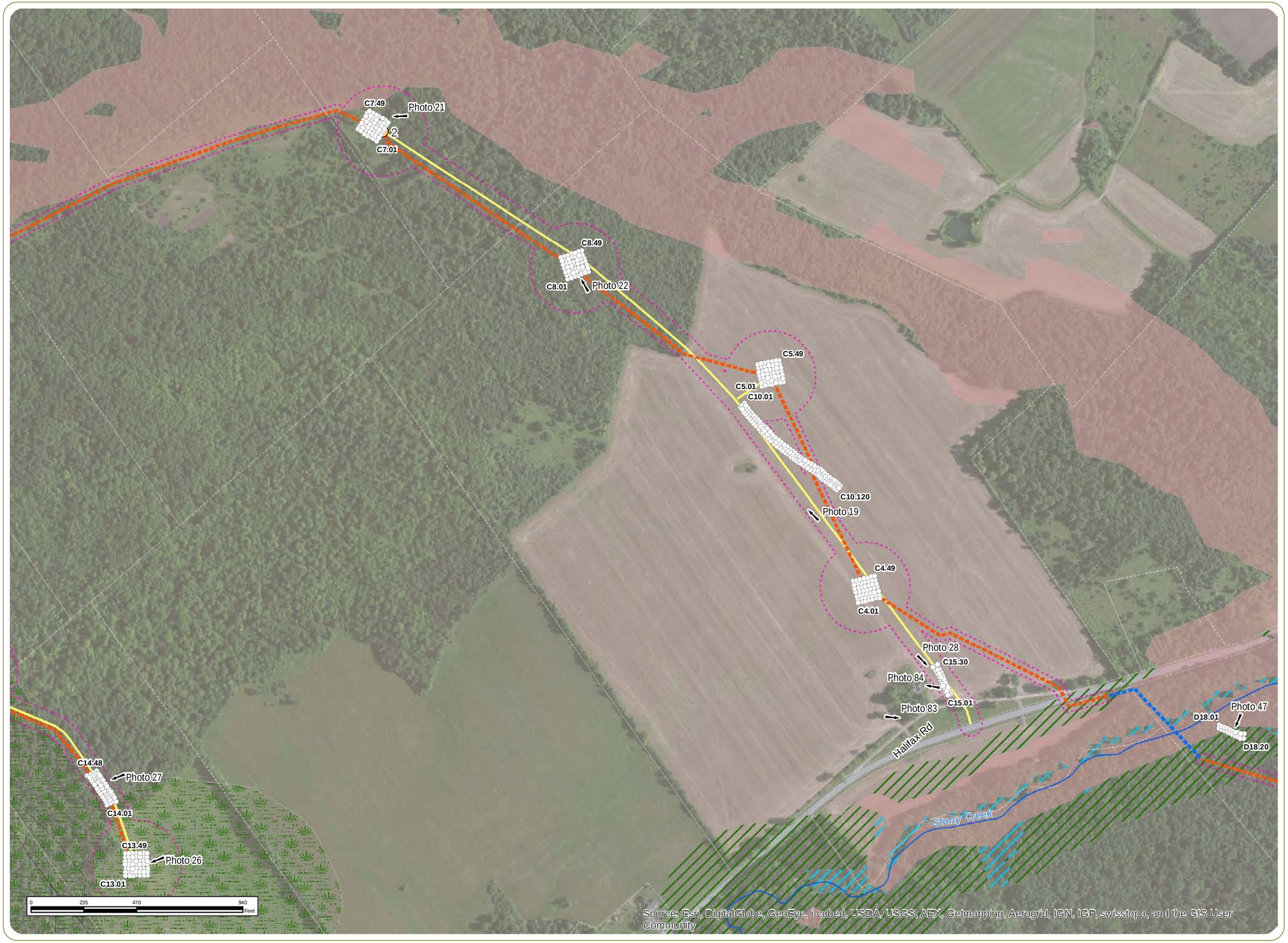


Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

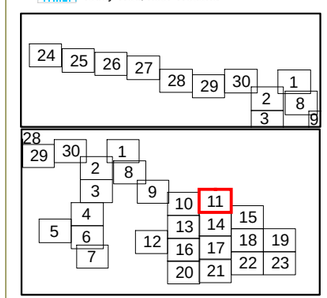
Figure 6: Results of Archeological Survey

Sheet 11 of 30 January 2014

Photo Location and Angle

Shovel Test Results
- No Cultural Material
- Historic Material
- Turbines
- Meteorological Tower
- Transmission Feeder
- Buried Interconnection
- Overhead Interconnection
- Access Roads
- Stream
- O&M Building and Laydown Yard
- Interconnection
- Substation
- Area of Potential Effect (APE)
- Pedestrian Survey Area
- Approximate Wetland
- Parcels

Landscape Classification
- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland



Notes:
Basemap: ESRI online imagery.

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Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

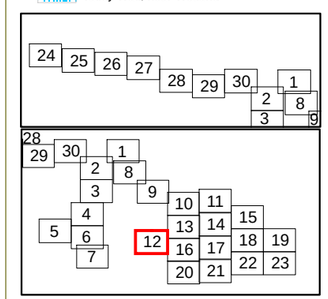
Figure 6: Results of Archeological Survey

Sheet 12 of 30 January 2014

Photo Location and Angle

Shovel Test Results
- No Cultural Material
- Historic Material
- Turbines
- Meteorological Tower
- Transmission Feeder
- Buried Interconnection
- Overhead Interconnection
- Access Roads
- Stream
- O&M Building and Laydown Yard
- Interconnection
- Substation
- Area of Potential Effect (APE)
- Pedestrian Survey Area
- Approximate Wetland
- Parcels

Landscape Classification
- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland



Notes:
Basemap: ESRI online imagery.

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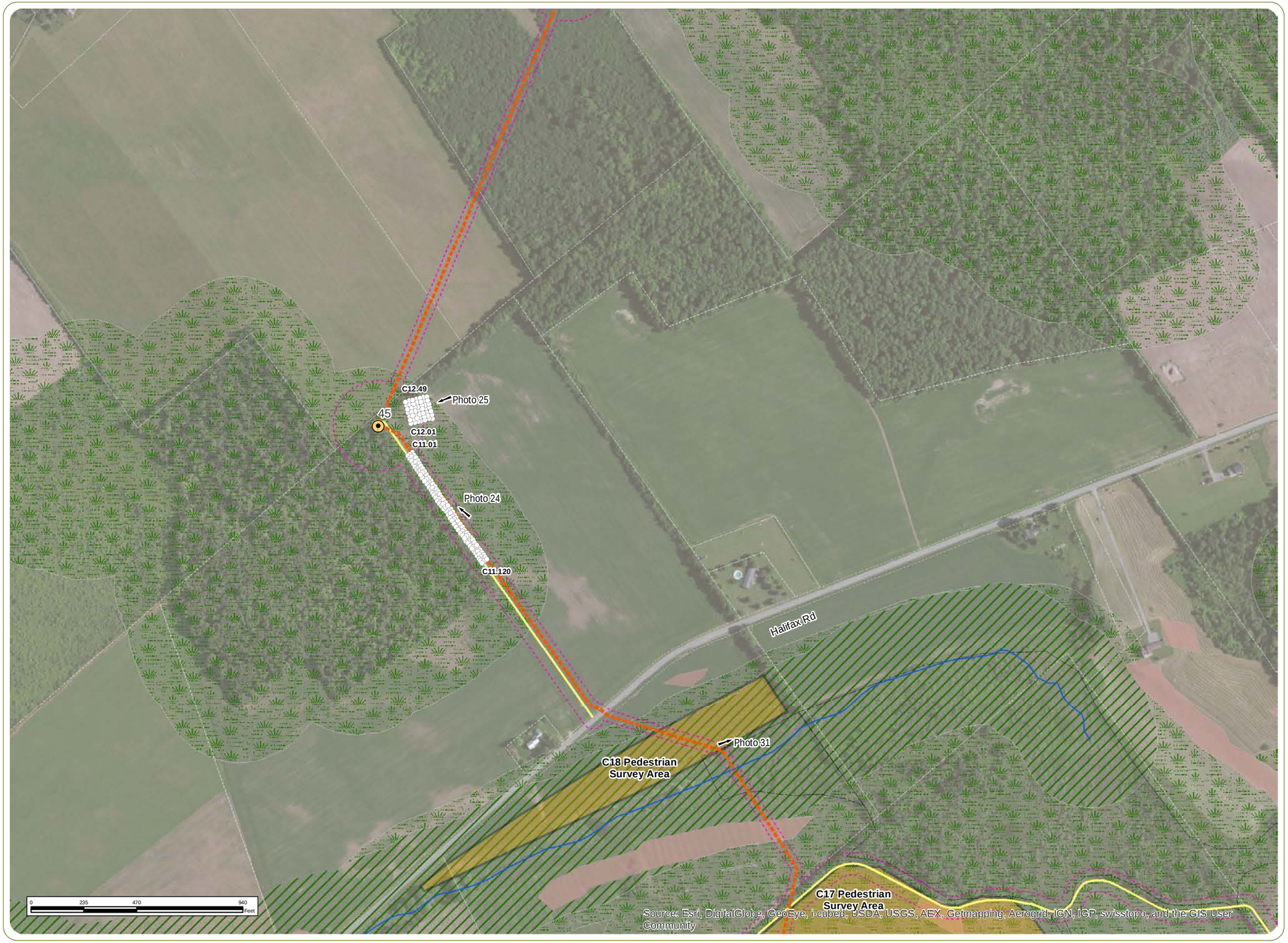


Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

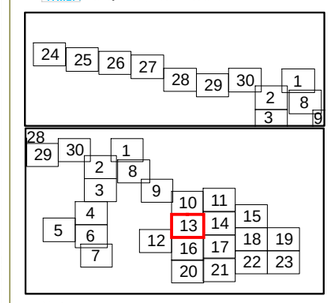
Figure 6: Results of Archeological Survey

Sheet 13 of 30 January 2014

Photo Location and Angle

Shovel Test Results
- No Cultural Material
- Historic Material
- Turbines
- Meteorological Tower
- Transmission Feeder
- Buried Interconnection
- Overhead Interconnection
- Access Roads
- Stream
- O&M Building and Laydown Yard
- Interconnection
- Substation
- Area of Potential Effect (APE)
- Pedestrian Survey Area
- Approximate Wetland
- Parcels

Landscape Classification
- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland



Notes:
Basemap: ESRI online imagery.

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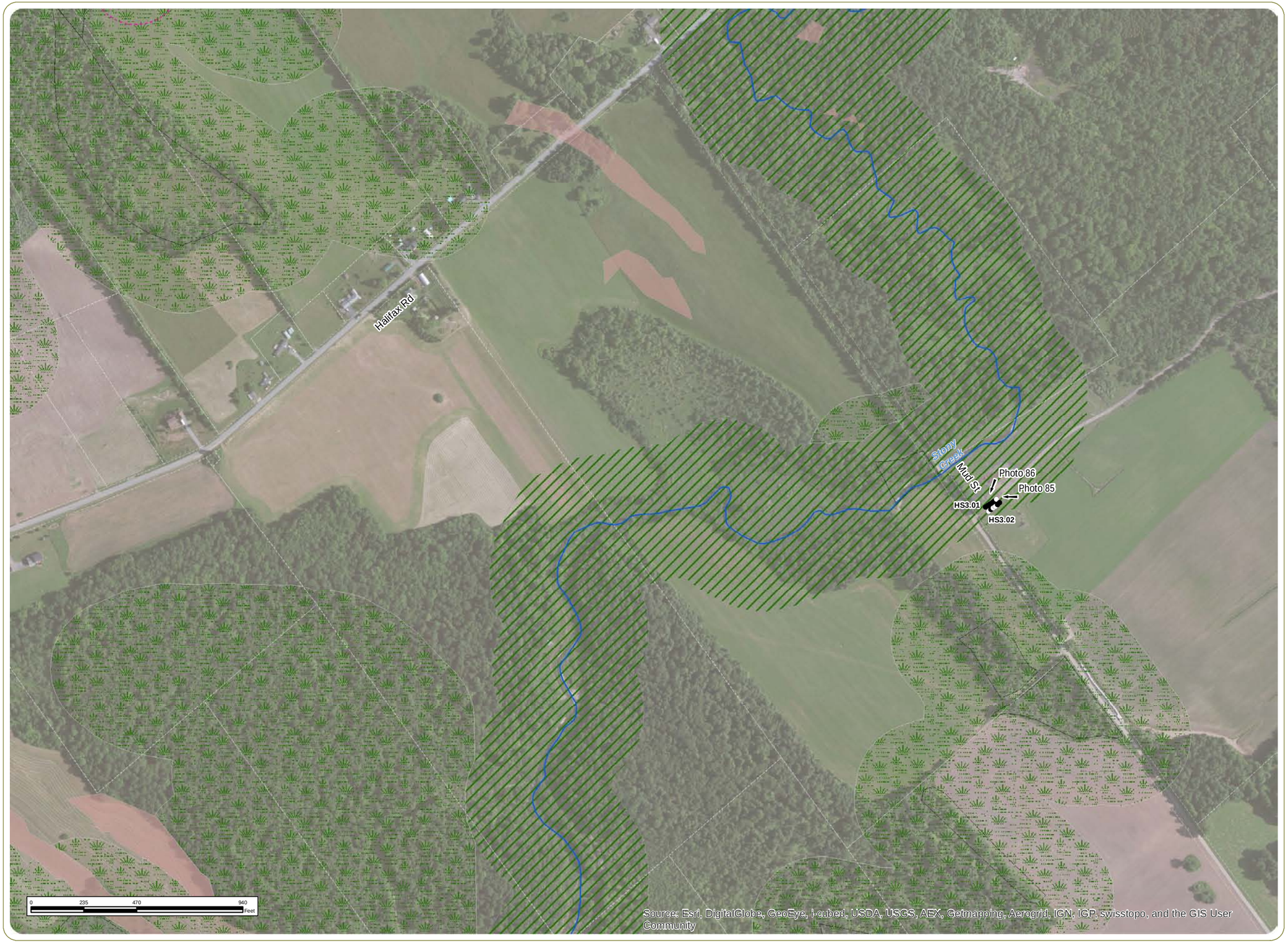


Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

Figure 6: Results of Archeological Survey

Sheet 14 of 30 January 2014

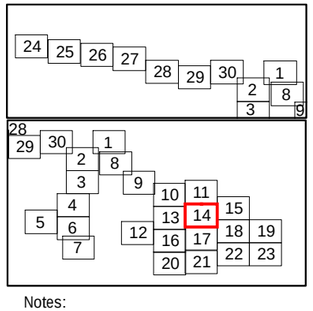
Photo Location and Angle

Shovel Test Results

- No Cultural Material
- Historic Material
- Turbines
- Meteorological Tower
- Transmission Feeder
- Buried Interconnection
- Overhead Interconnection
- Access Roads
- Stream
- O&M Building and Laydown Yard
- Interconnection
- Substation
- Area of Potential Effect (APE)
- Pedestrian Survey Area
- Approximate Wetland
- Parcels

Landscape Classification

- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland



Notes:
Basemap: ESRI online imagery.

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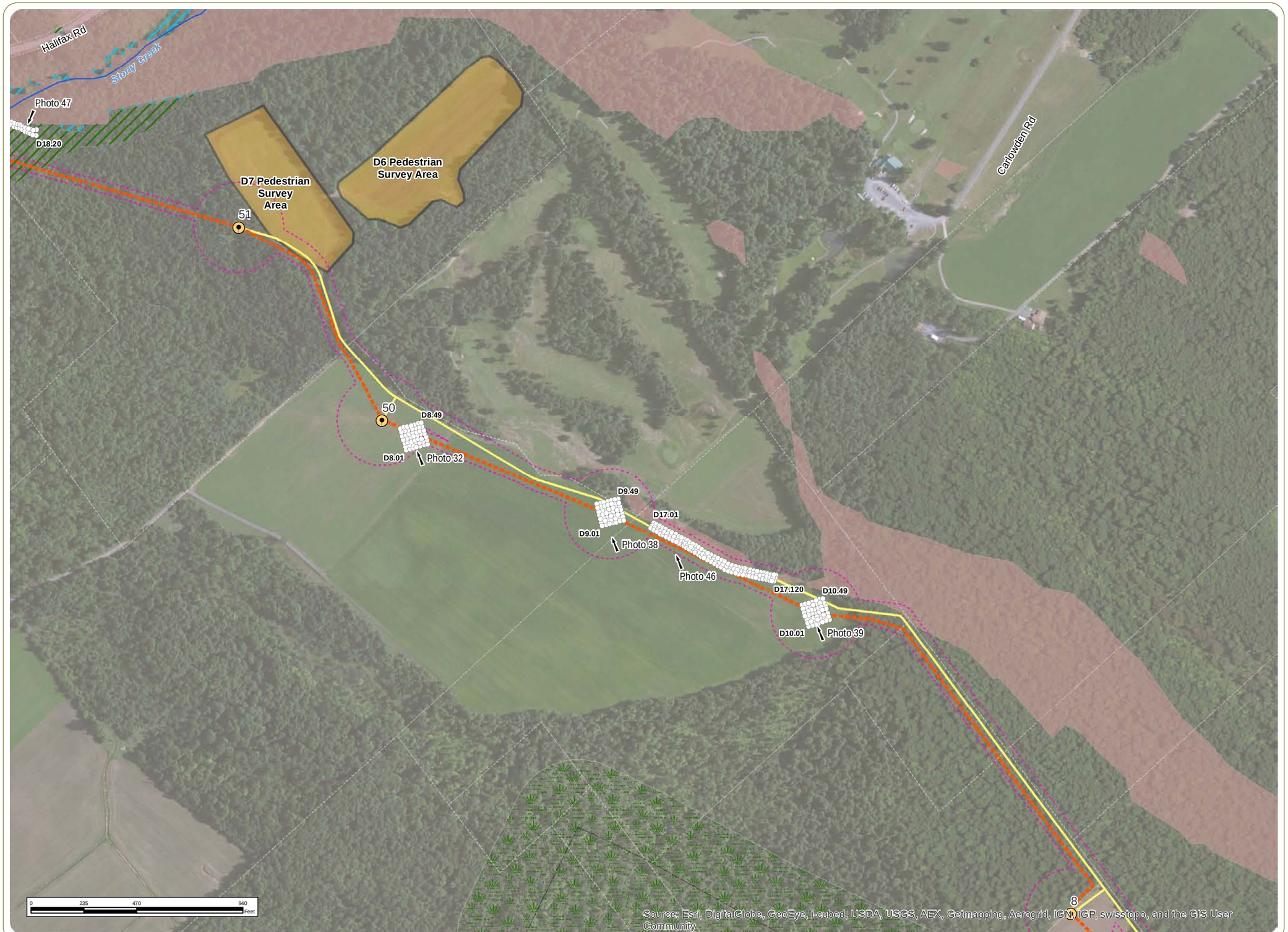


Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

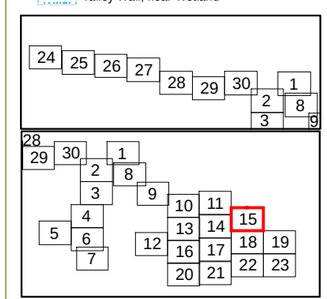
Figure 6: Results of Archeological Survey

Sheet 15 of 30 January 2014

Photo Location and Angle

Shovel Test Results
- No Cultural Material
- Historic Material
- Turbines
- Meteorological Tower
- Transmission Feeder
- Buried Interconnection
- Overhead Interconnection
- Access Roads
- Stream
- O&M Building and Laydown Yard
- Interconnection
- Substation
- Area of Potential Effect (APE)
- Pedestrian Survey Area
- Approximate Wetland
- Parcels

Landscape Classification
- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland



Notes:
Basemap: ESRI online imagery.

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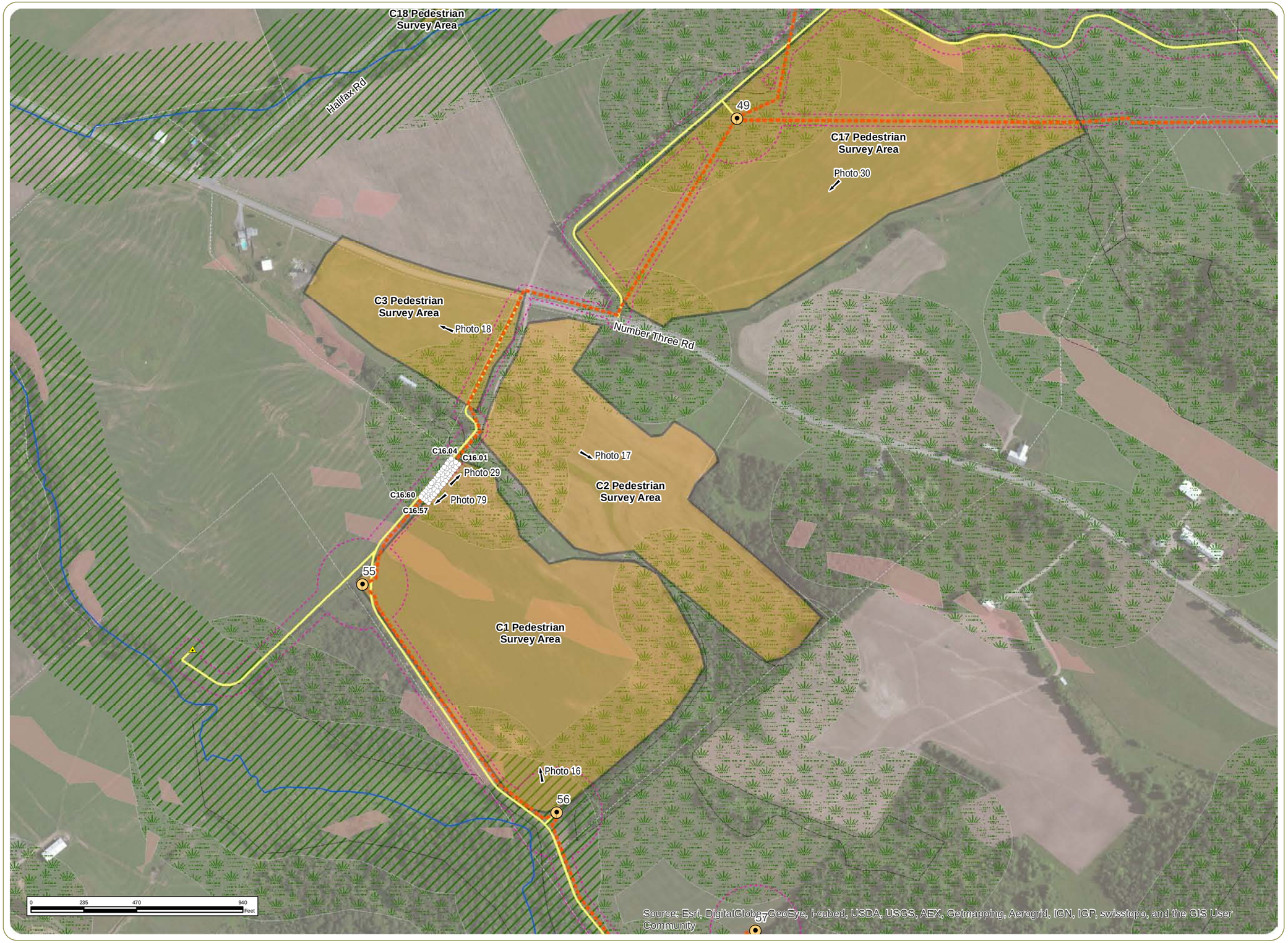


Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

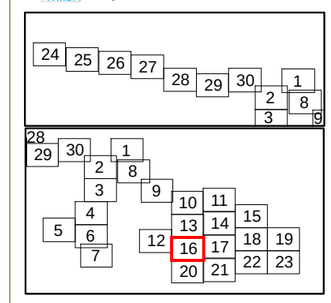
Figure 6: Results of Archeological Survey

Sheet 16 of 30 January 2014

Photo Location and Angle

Shovel Test Results
- No Cultural Material
- Historic Material
- Turbines
- Meteorological Tower
- Transmission Feeder
- Buried Interconnection
- Overhead Interconnection
- Access Roads
- Stream
- O&M Building and Laydown Yard
- Interconnection
- Substation
- Area of Potential Effect (APE)
- Pedestrian Survey Area
- Approximate Wetland
- Parcels

Landscape Classification
- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland



Notes:
Basemap: ESRI online imagery.

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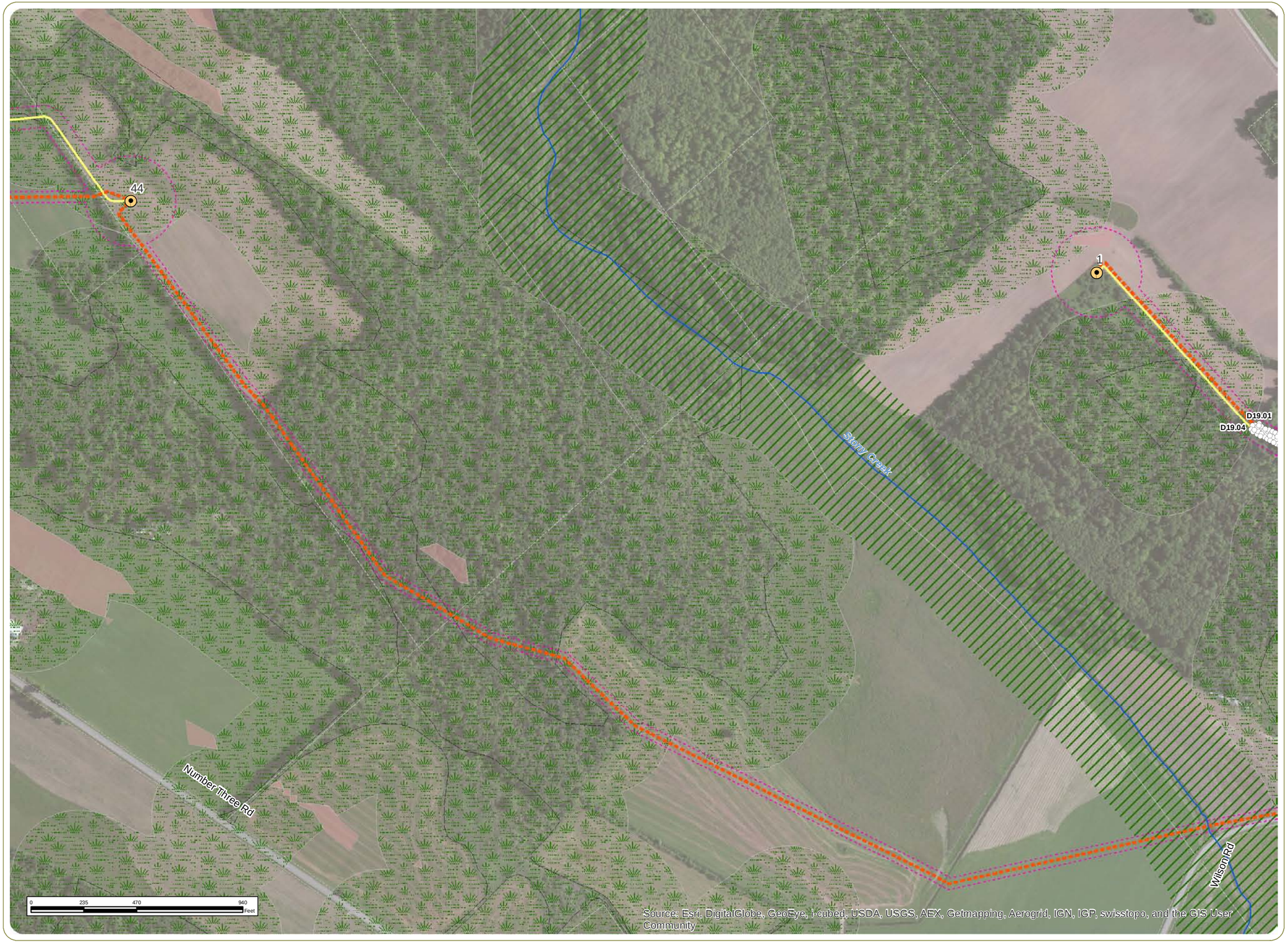


Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

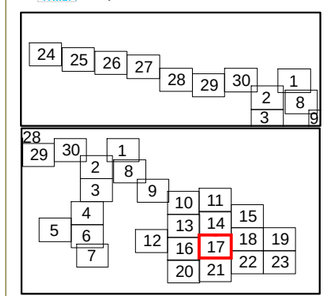
Figure 6: Results of Archeological Survey

Sheet 17 of 30 January 2014

Photo Location and Angle

Shovel Test Results
- No Cultural Material
- Historic Material
- Turbines
- Meteorological Tower
- Transmission Feeder
- Buried Interconnection
- Overhead Interconnection
- Access Roads
- Stream
- O&M Building and Laydown Yard
- Interconnection
- Substation
- Area of Potential Effect (APE)
- Pedestrian Survey Area
- Approximate Wetland
- Parcels

Landscape Classification
- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland



Notes:
Basemap: ESRI online imagery.

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Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

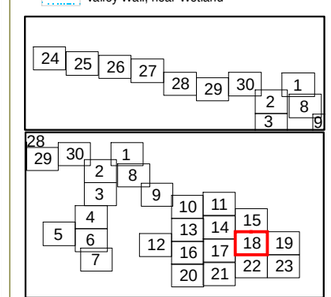
Figure 6: Results of Archeological Survey

Sheet 18 of 30 January 2014

Photo Location and Angle

Shovel Test Results
- No Cultural Material
- Historic Material
- Turbines
- Meteorological Tower
- Transmission Feeder
- Buried Interconnection
- Overhead Interconnection
- Access Roads
- Stream
- O&M Building and Laydown Yard
- Interconnection
- Substation
- Area of Potential Effect (APE)
- Pedestrian Survey Area
- Approximate Wetland
- Parcels

Landscape Classification
- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland



Notes:
Basemap: ESRI online imagery.

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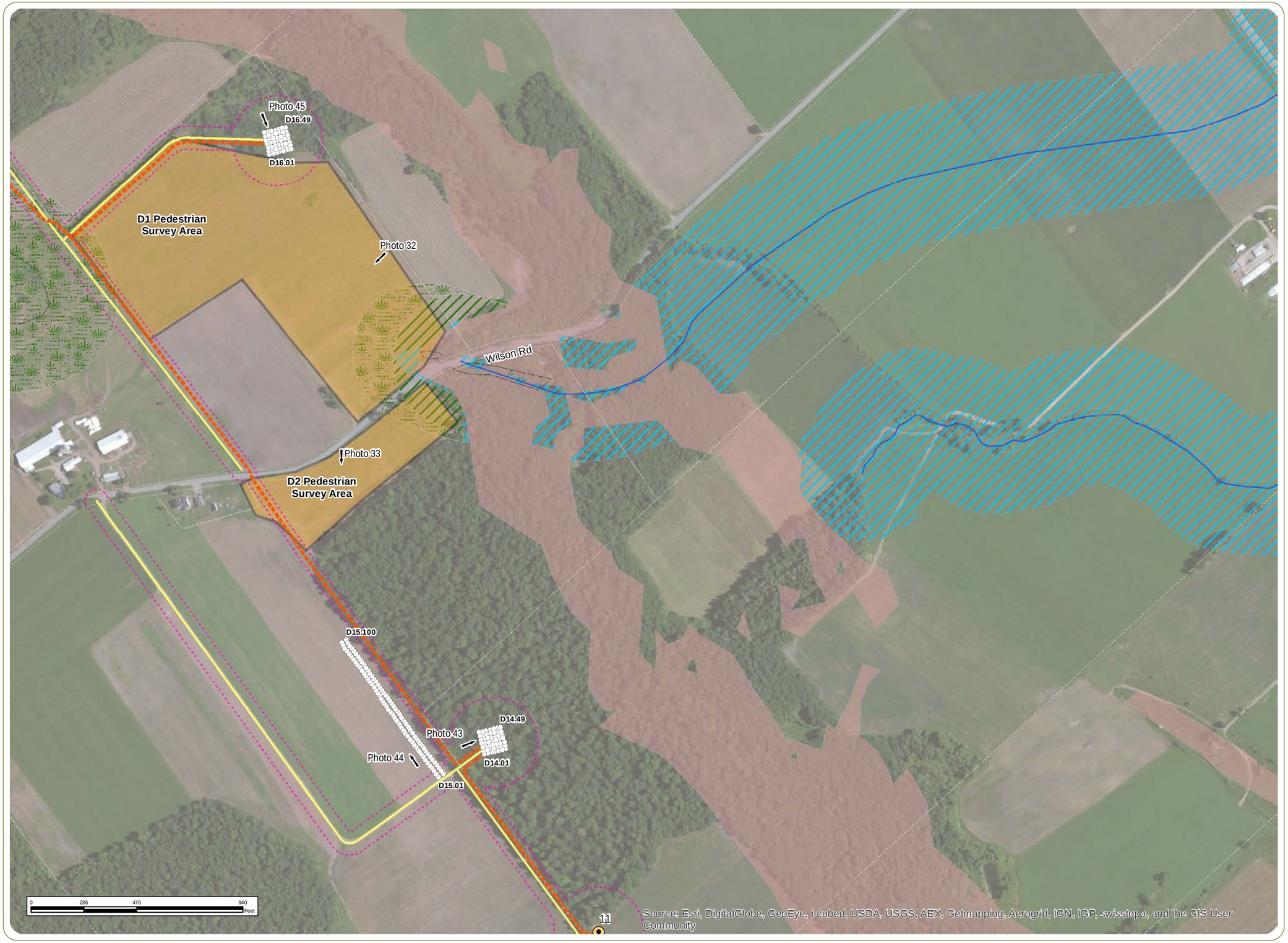


Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

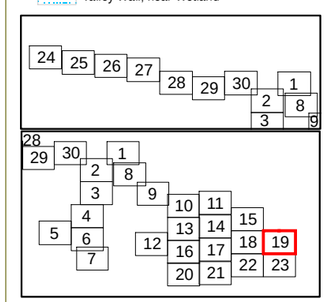
Figure 6: Results of Archeological Survey

Sheet 19 of 30 January 2014

Photo Location and Angle

Shovel Test Results
- No Cultural Material
- Historic Material
- Turbines
- Meteorological Tower
- Transmission Feeder
- Buried Interconnection
- Overhead Interconnection
- Access Roads
- Stream
- O&M Building and Laydown Yard
- Interconnection
- Substation
- Area of Potential Effect (APE)
- Pedestrian Survey Area
- Approximate Wetland
- Parcels

Landscape Classification
- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland



Notes:
Basemap: ESRI online imagery.

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Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

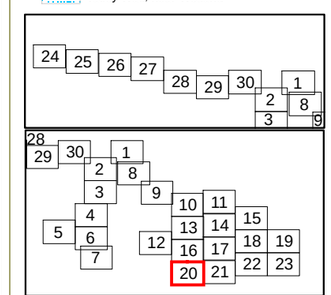
Figure 6: Results of Archeological Survey

Sheet 20 of 30 January 2014

Photo Location and Angle

Shovel Test Results
- No Cultural Material
- Historic Material
- Turbines
- Meteorological Tower
- Transmission Feeder
- Buried Interconnection
- Overhead Interconnection
- Access Roads
- Stream
- O&M Building and Laydown Yard
- Interconnection
- Substation
- Area of Potential Effect (APE)
- Pedestrian Survey Area
- Approximate Wetland
- Parcels

Landscape Classification
- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland



Notes:
Basemap: ESRI online imagery.

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Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

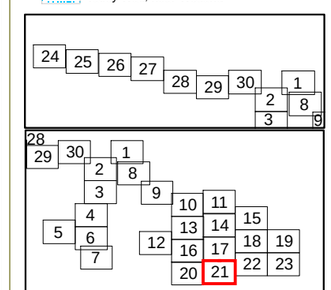
Figure 6: Results of Archeological Survey

Sheet 21 of 30 January 2014

Photo Location and Angle

Shovel Test Results
- No Cultural Material
- Historic Material
- Turbines
- Meteorological Tower
- Transmission Feeder
- Buried Interconnection
- Overhead Interconnection
- Access Roads
- Stream
- O&M Building and Laydown Yard
- Interconnection
- Substation
- Area of Potential Effect (APE)
- Pedestrian Survey Area
- Approximate Wetland
- Parcels

Landscape Classification
- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland



Notes:
Basemap: ESRI online imagery.

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Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

Figure 6: Results of Archeological Survey

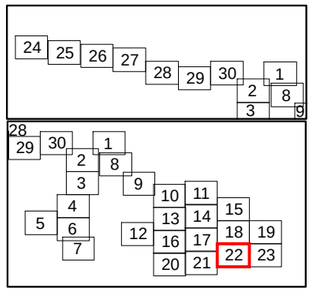
Sheet 22 of 30 January 2014

Photo Location and Angle

Shovel Test Results
- No Cultural Material
- Historic Material

Turbines
Meteorological Tower
Transmission Feeder
Buried Interconnection
Overhead Interconnection
Access Roads
Stream
O&M Building and Laydown Yard
Interconnection
Substation
Area of Potential Effect (APE)
Pedestrian Survey Area
Approximate Wetland
Parcels

Landscape Classification
- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland



Notes:
Basemap: ESRI online imagery.

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Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

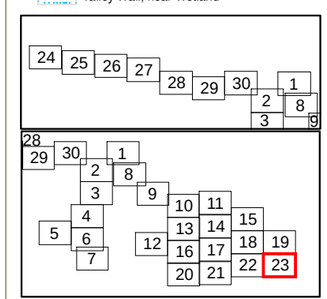
Figure 6: Results of Archeological Survey

Sheet 23 of 30 January 2014

Photo Location and Angle

Shovel Test Results
- No Cultural Material
- Historic Material
- Turbines
- Meteorological Tower
- Transmission Feeder
- Buried Interconnection
- Overhead Interconnection
- Access Roads
- Stream
- O&M Building and Laydown Yard
- Interconnection
- Substation
- Area of Potential Effect (APE)
- Pedestrian Survey Area
- Approximate Wetland
- Parcels

Landscape Classification
- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland



Notes:
Basemap: ESRI online imagery.

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Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

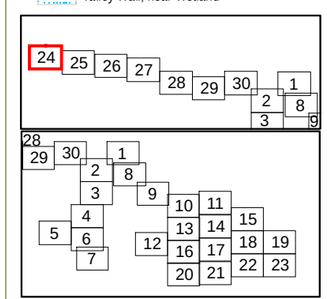
Figure 6: Results of Archeological Survey

Sheet 24 of 30 January 2014

Photo Location and Angle

Shovel Test Results
- No Cultural Material
- Historic Material
- Turbines
- Meteorological Tower
- Transmission Feeder
- Buried Interconnection
- Overhead Interconnection
- Access Roads
- Stream
- O&M Building and Laydown Yard
- Interconnection
- Substation
- Area of Potential Effect (APE)
- Pedestrian Survey Area
- Approximate Wetland
- Parcels

Landscape Classification
- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland



Notes:
Basemap: ESRI online imagery.

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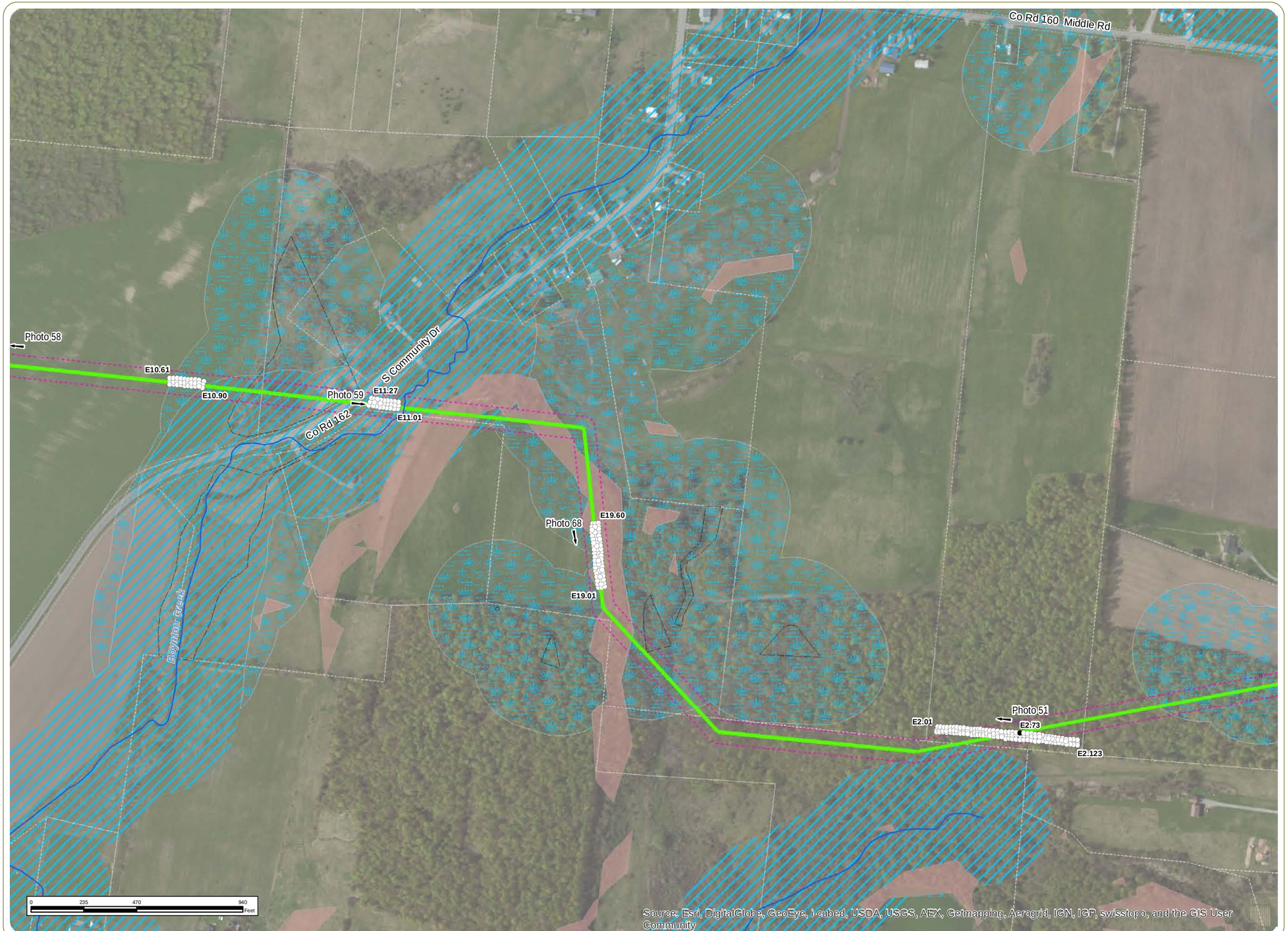


Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

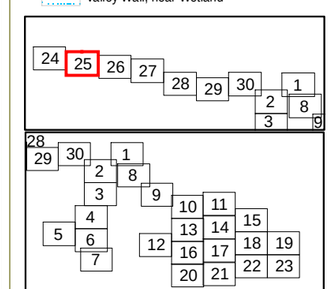
Figure 6: Results of Archeological Survey

Sheet 25 of 30 January 2014

Photo Location and Angle

Shovel Test Results
- No Cultural Material
- Historic Material
- Turbines
- Meteorological Tower
- Transmission Feeder
- Buried Interconnection
- Overhead Interconnection
- Access Roads
- Stream
- O&M Building and Laydown Yard
- Interconnection
- Substation
- Area of Potential Effect (APE)
- Pedestrian Survey Area
- Approximate Wetland
- Parcels

Landscape Classification
- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland



Notes:
Basemap: ESRI online imagery.

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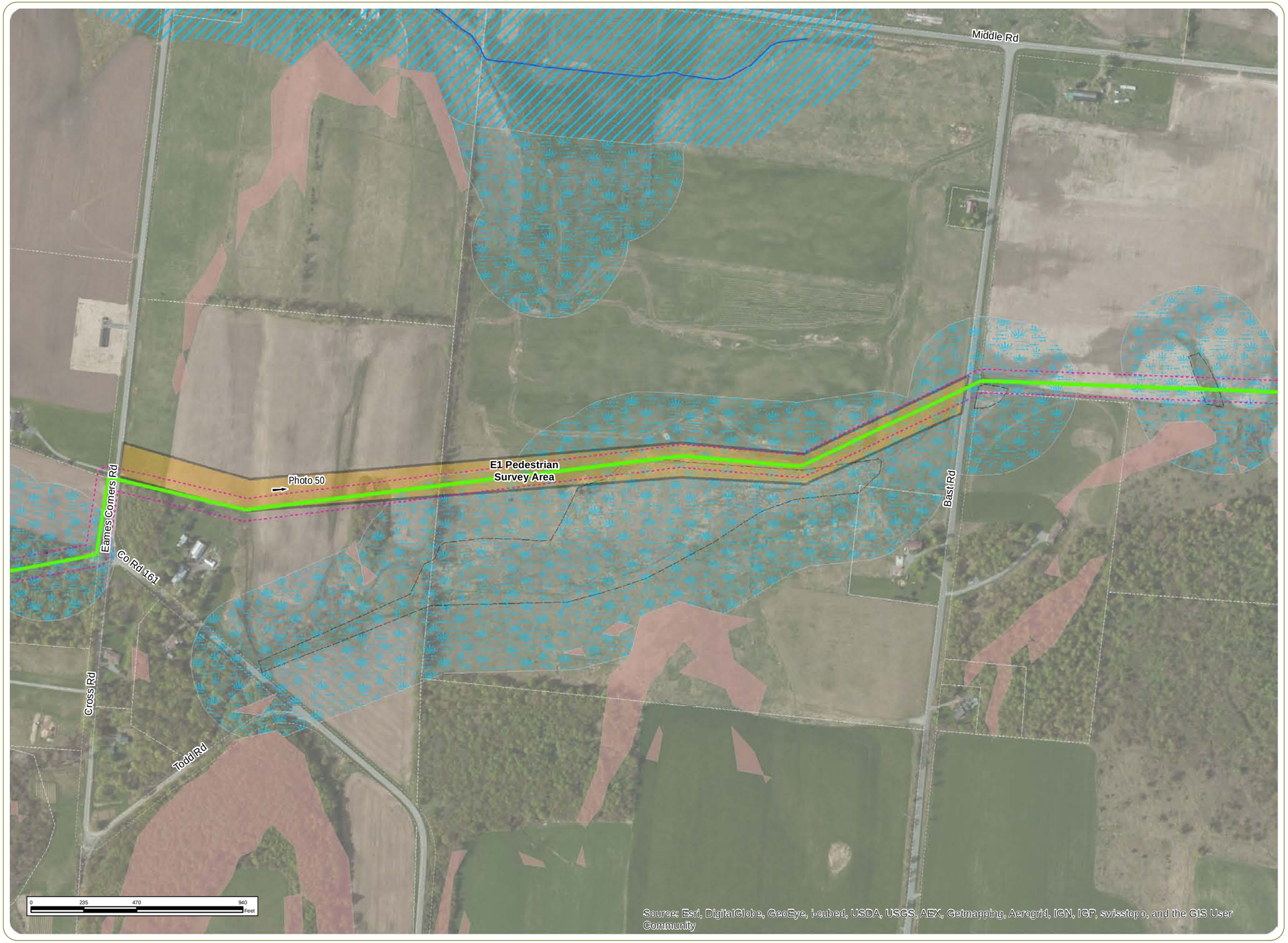


Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

Figure 6: Results of Archeological Survey

Sheet 26 of 30 January 2014

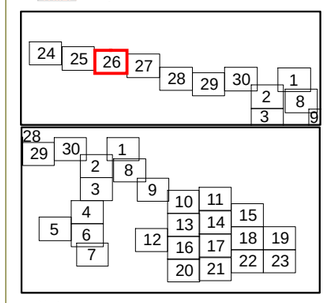
Photo Location and Angle

Shovel Test Results

- No Cultural Material
- Historic Material
- Turbines
- Meteorological Tower
- Transmission Feeder
- Buried Interconnection
- Overhead Interconnection
- Access Roads
- Stream
- O&M Building and Laydown Yard
- Interconnection
- Substation
- Area of Potential Effect (APE)
- Pedestrian Survey Area
- Approximate Wetland
- Parcels

Landscape Classification

- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland



Notes:
Basemap: ESRI online imagery.

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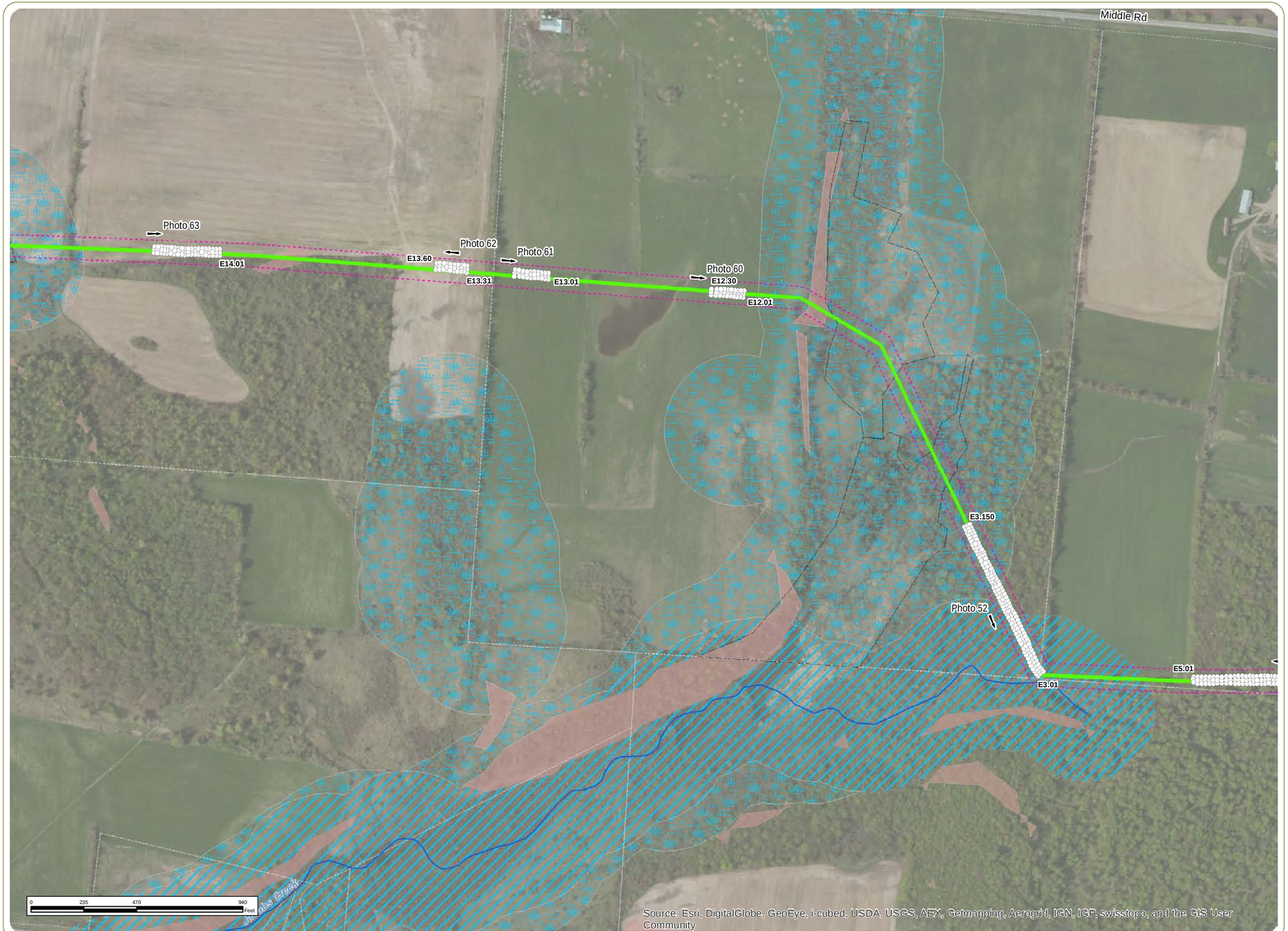


Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

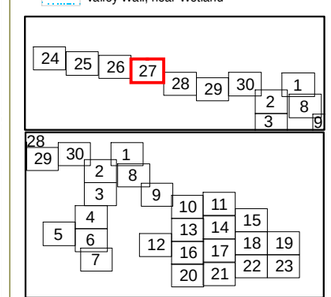
Figure 6: Results of Archeological Survey

Sheet 27 of 30 January 2014

Photo Location and Angle

Shovel Test Results
- No Cultural Material
- Historic Material
- Turbines
- Meteorological Tower
- Transmission Feeder
- Buried Interconnection
- Overhead Interconnection
- Access Roads
- Stream
- O&M Building and Laydown Yard
- Interconnection
- Substation
- Area of Potential Effect (APE)
- Pedestrian Survey Area
- Approximate Wetland
- Parcels

Landscape Classification
- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland



Notes:
Basemap: ESRI online imagery.

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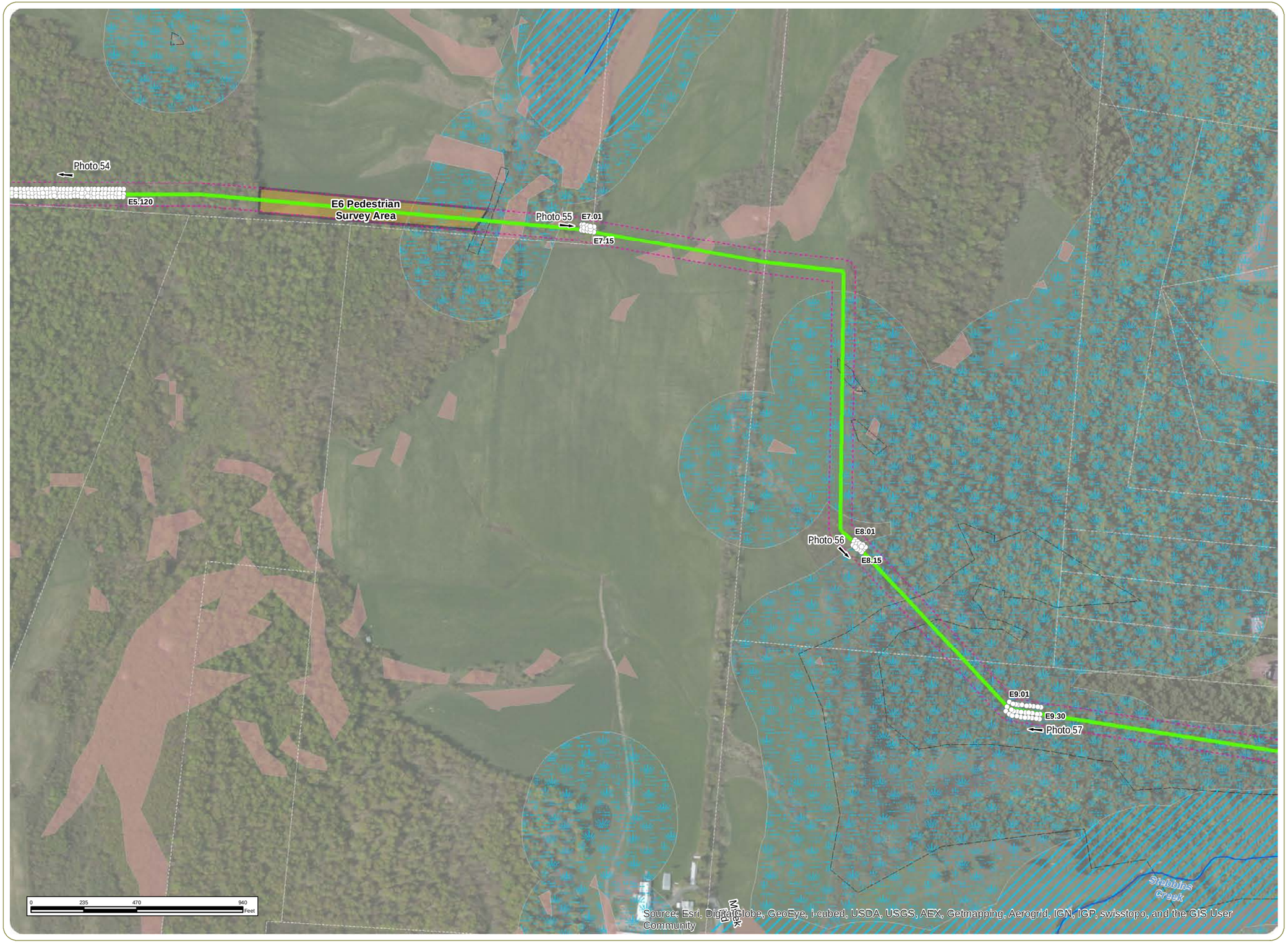


Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

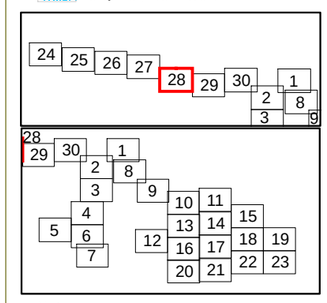
Figure 6: Results of Archeological Survey

Sheet 28 of 30 January 2014

Photo Location and Angle

Shovel Test Results
- No Cultural Material
- Historic Material
- Turbines
- Meteorological Tower
- Transmission Feeder
- Buried Interconnection
- Overhead Interconnection
- Access Roads
- Stream
- O&M Building and Laydown Yard
- Interconnection
- Substation
- Area of Potential Effect (APE)
- Pedestrian Survey Area
- Approximate Wetland
- Parcels

Landscape Classification
- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland



Notes:
Basemap: ESRI online imagery.

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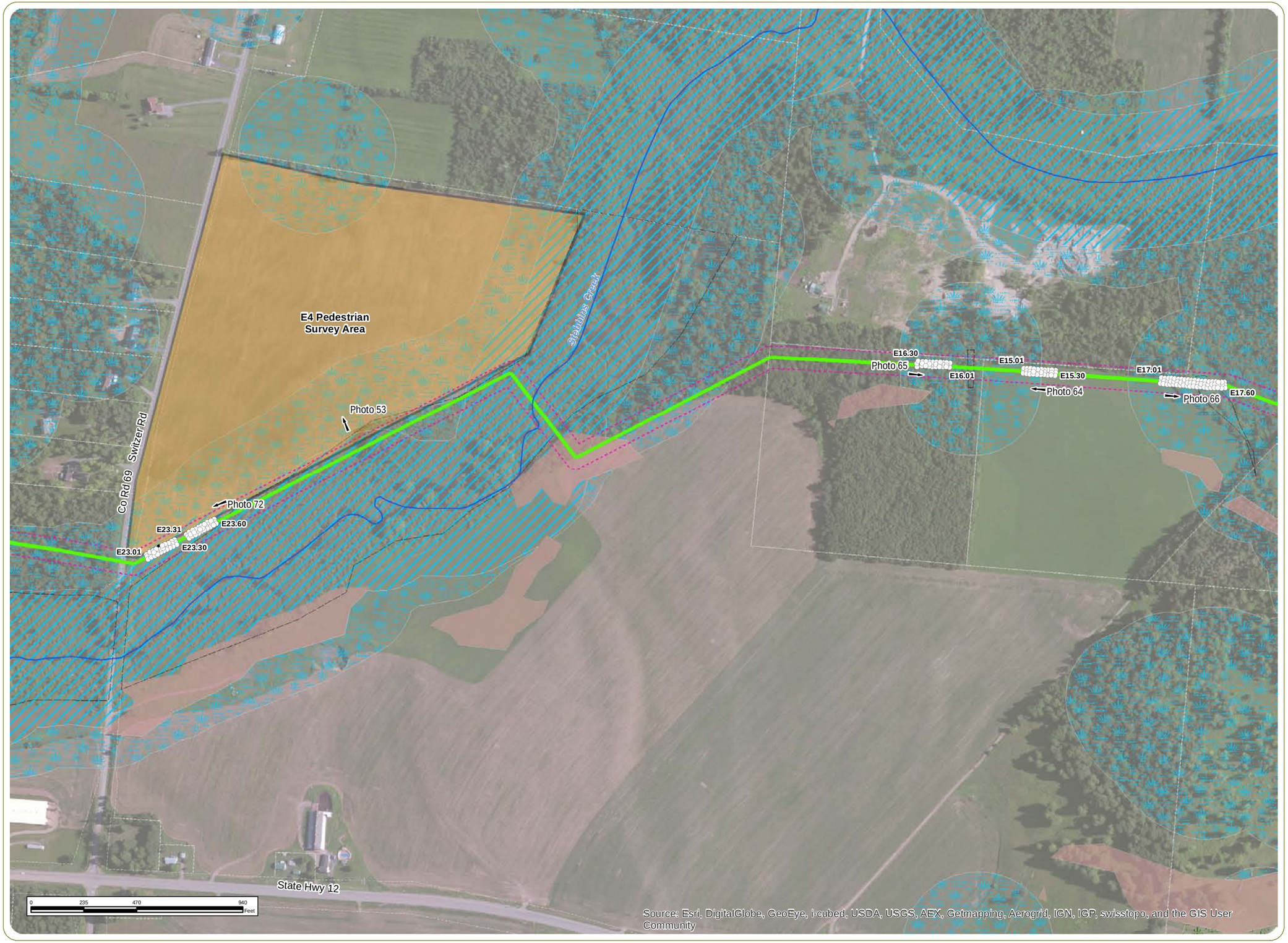


Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

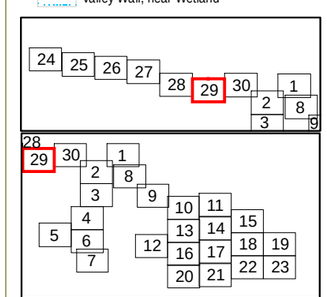
Figure 6: Results of Archeological Survey

Sheet 29 of 30 January 2014

Photo Location and Angle

Shovel Test Results
- No Cultural Material
- Historic Material
- Turbines
- Meteorological Tower
- Transmission Feeder
- Buried Interconnection
- Overhead Interconnection
- Access Roads
- Stream
- O&M Building and Laydown Yard
- Interconnection
- Substation
- Area of Potential Effect (APE)
- Pedestrian Survey Area
- Approximate Wetland
- Parcels

Landscape Classification
- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland



Notes:
Basemap: ESRI online imagery.

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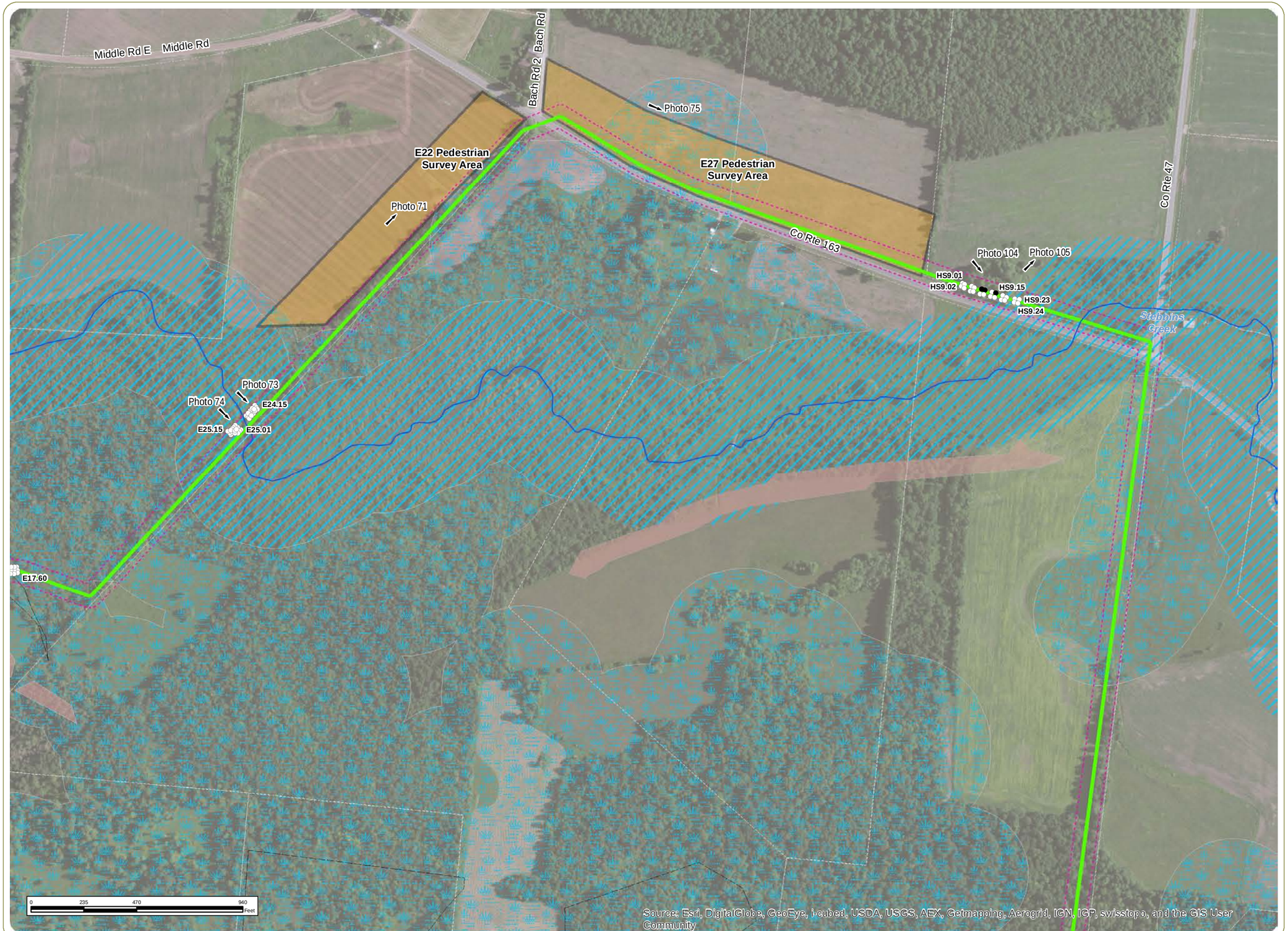


Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County,
and Towns of Champion,
and Rutland, Jefferson County, NY

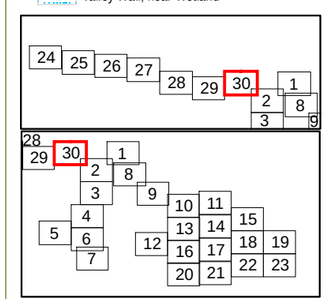
Figure 6: Results of Archeological Survey

Sheet 30 of 30 January 2014

Photo Location and Angle

Shovel Test Results
- No Cultural Material
- Historic Material
- Turbines
- Meteorological Tower
- Transmission Feeder
- Buried Interconnection
- Overhead Interconnection
- Access Roads
- Stream
- O&M Building and Laydown Yard
- Interconnection
- Substation
- Area of Potential Effect (APE)
- Pedestrian Survey Area
- Approximate Wetland
- Parcels

Landscape Classification
- Steep Slope
- Upland, no water
- Upland, near Stream
- Upland, near Wetland
- Valley Wall, no water
- Valley Wall, near Stream
- Valley Wall, near Wetland



Notes:
Basemap: ESRI online imagery.

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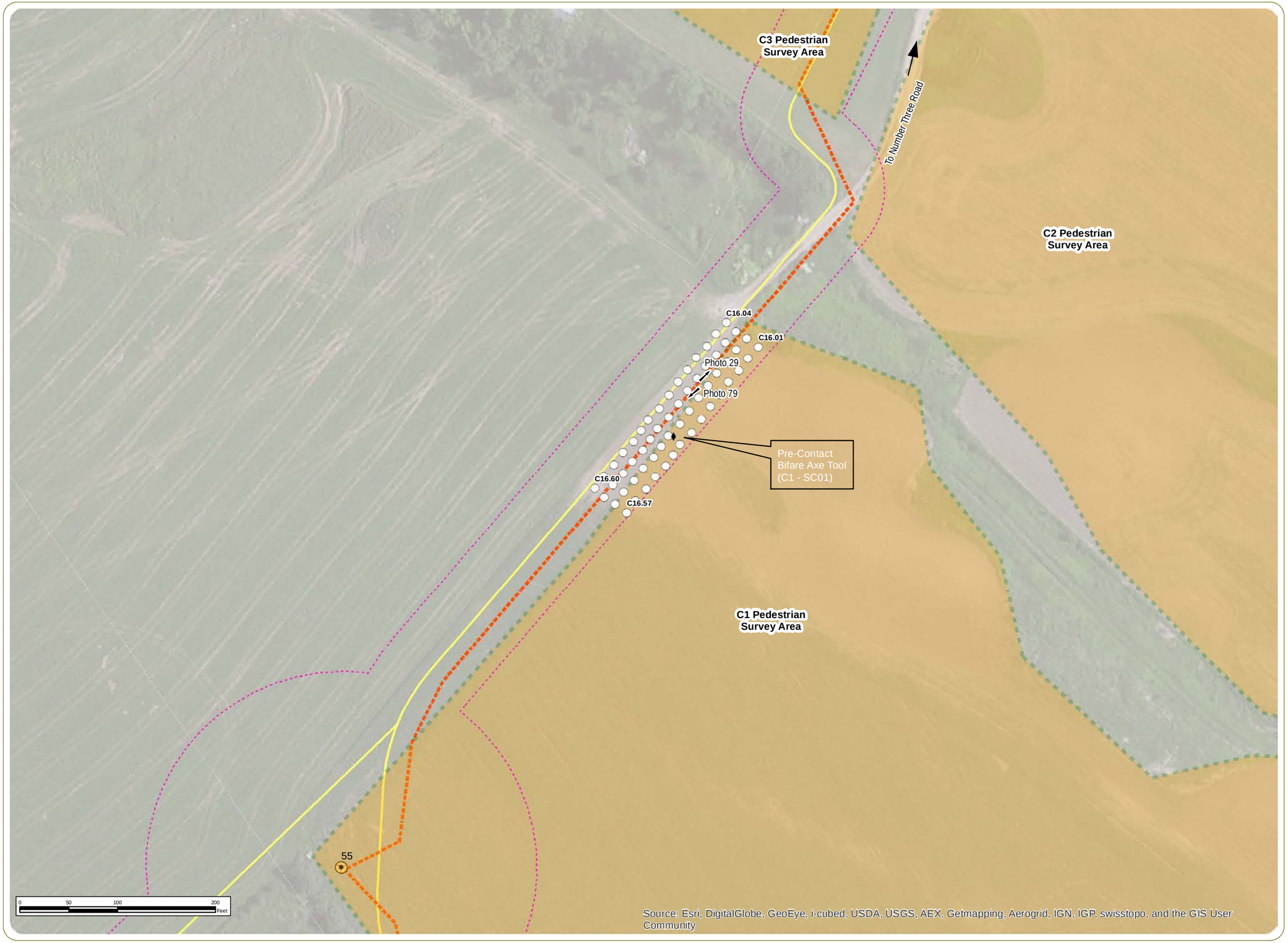

Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County, and Towns of Champion, and Rutland, Jefferson County, NY

Figure 7: Archeological Site Plans - Sheet 1 of 10: Number Three Road Site 1

January 2014

Photo Location and Angle

Artifacts Recovered

- Brick
- Historic Material
- Pipe
- Prehistoric Material

Shovel Test Results

- No Cultural Material
- Historic Material
- Observed Archeological Features
- Observed Vegetation
- Area of Potential Effect
- Pedestrian Survey Area
- Parcel Boundary
- Wind Turbine
- Transmission Line
- Buried Interconnect
- Access Road
- Meteorological Tower
- Parcel Boundary
- Collection Station
- O&M Building and Laydown Yard
- NYS Protected Streams
- Unprotected Streams

Notes:
Basemap: ESRI ArcGIS Online Imagery Map Service

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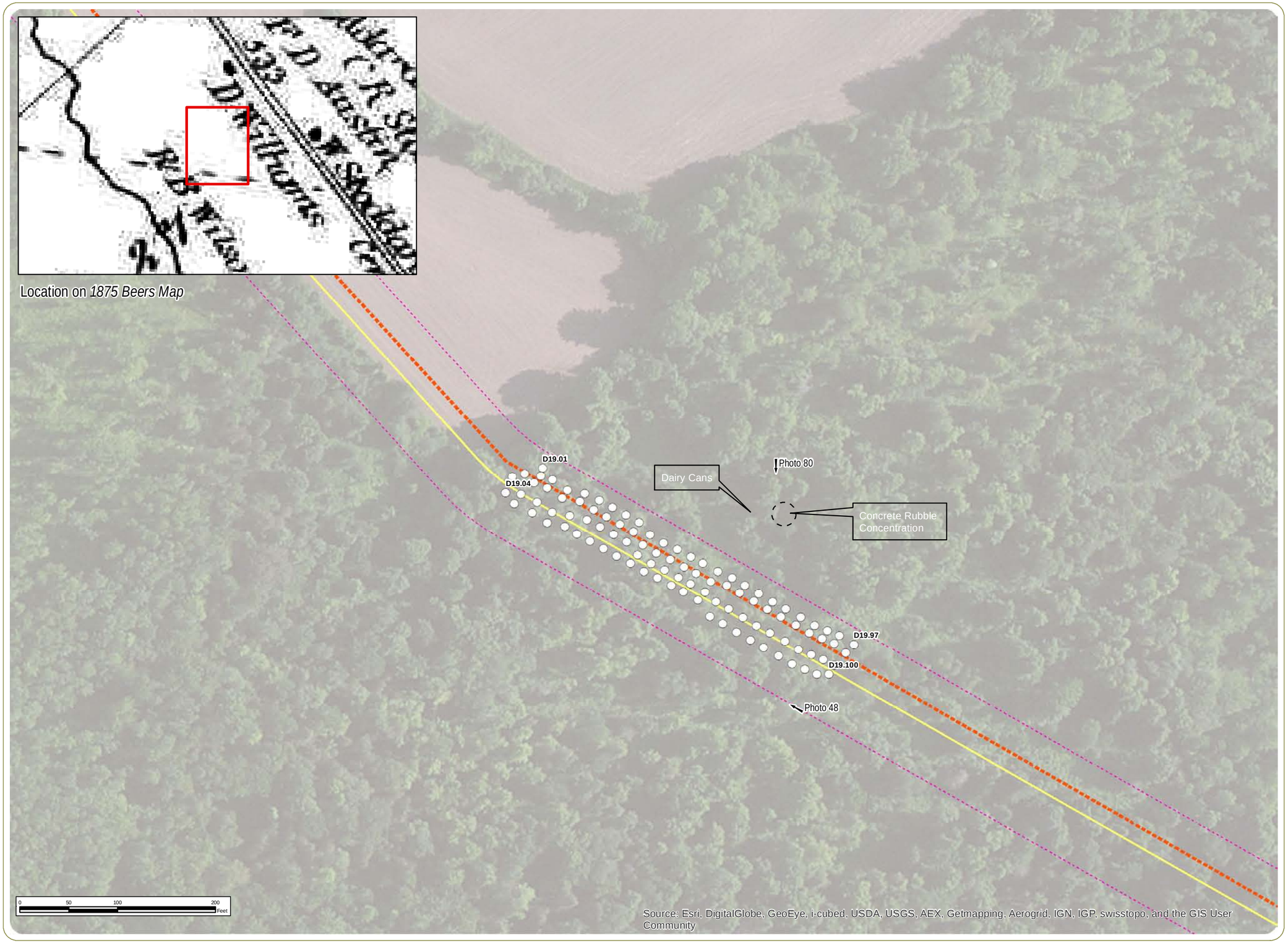

Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County, and Towns of Champion, and Rutland, Jefferson County, NY

Figure 7: Archeological Site Plans - Sheet 2 of 10:
Mud Street Site 1 (HS 1)

January 2014

Photo Location and Angle

Artifacts Recovered

- Brick
- Historic Material
- Pipe
- Prehistoric Material

Shovel Test Results

- No Cultural Material
- Historic Material
- Observed Archeological Features
- Observed Vegetation
- Area of Potential Effect
- Pedestrian Survey Area
- Parcel Boundary
- Wind Turbine
- Transmission Line
- Buried Interconnect
- Access Road
- Meteorological Tower
- Parcel Boundary
- Collection Station
- O&M Building and Laydown Yard
- NYS Protected Streams
- Unprotected Streams

Notes:
Basemap: ESRI ArcGIS Online Imagery Map Service

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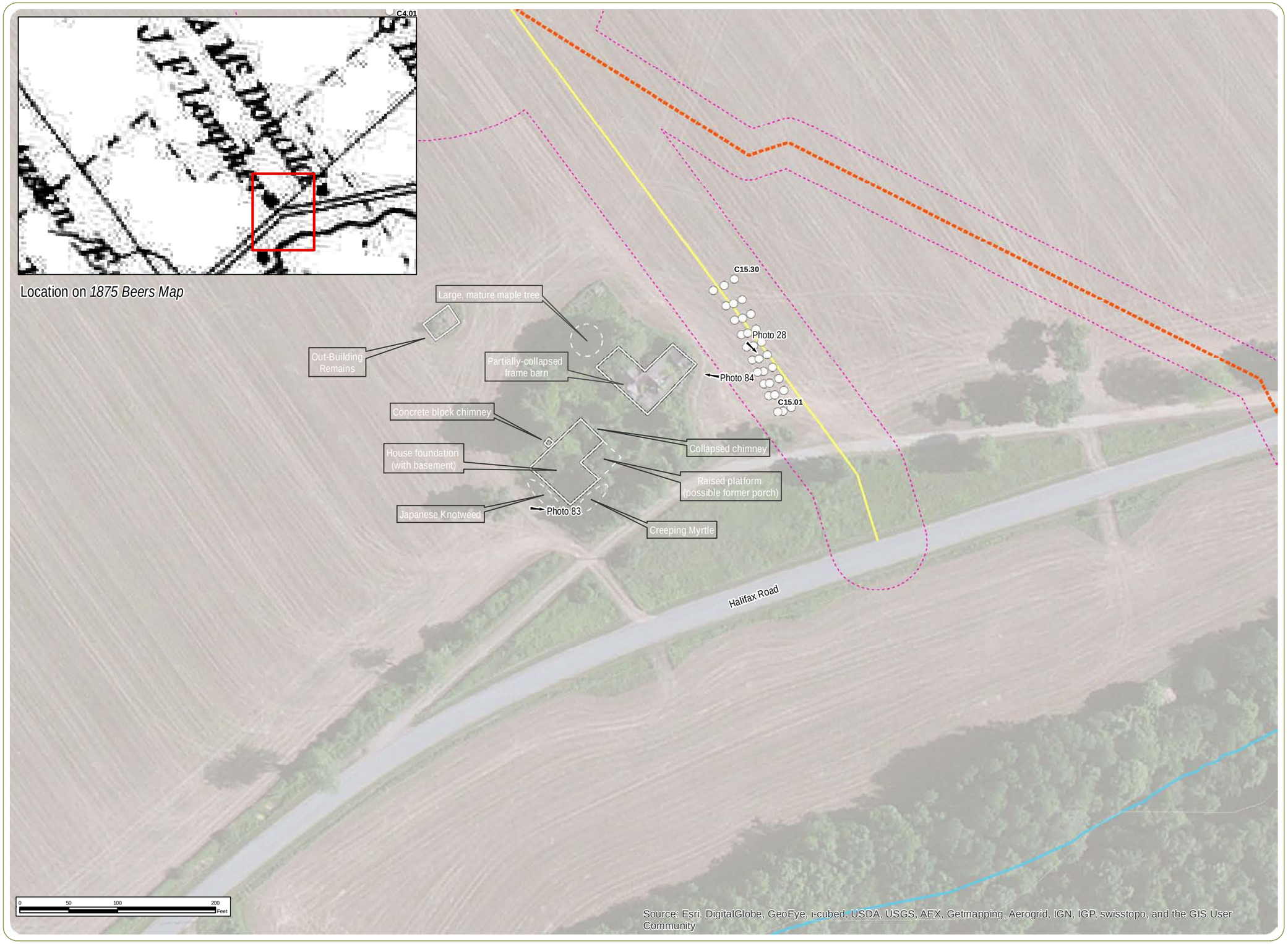

Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County, and Towns of Champion, and Rutland, Jefferson County, NY

Figure 7: Archeological Site Plans - Sheet 3 of 10: Halifax Road Site 1 (HS 2)

January 2014

Photo Location and Angle

Artifacts Recovered

- Brick
- Historic Material
- Pipe
- Prehistoric Material

Shovel Test Results

- No Cultural Material
- Historic Material
- Observed Archeological Features
- Observed Vegetation
- Area of Potential Effect
- Pedestrian Survey Area
- Parcel Boundary
- Wind Turbine
- Transmission Line
- Buried Interconnect
- Access Road
- Meteorological Tower
- Parcel Boundary
- Collection Station
- O&M Building and Laydown Yard
- NYS Protected Streams
- Unprotected Streams

Notes:
Basemap: ESRI ArcGIS Online Imagery Map Service

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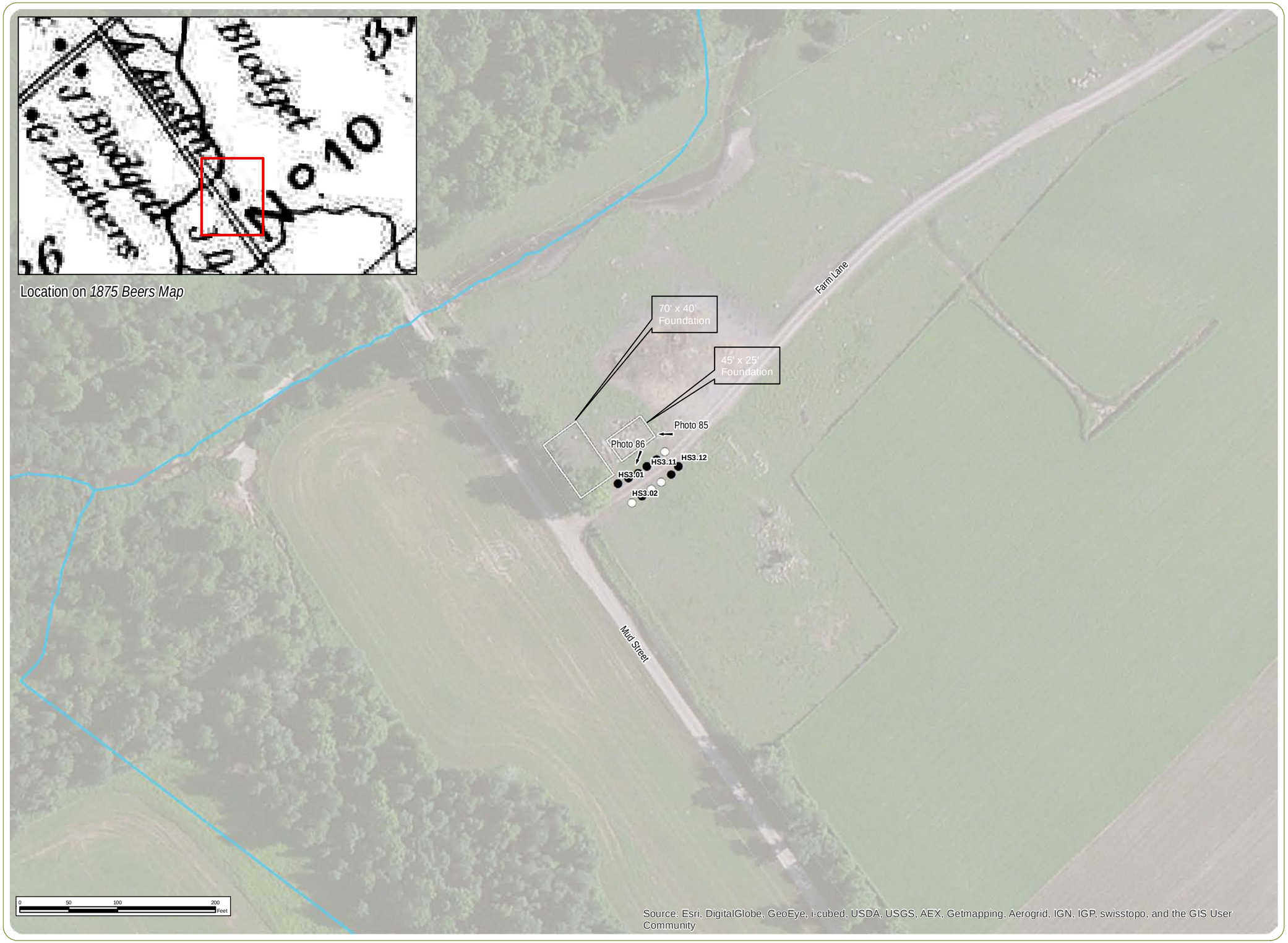

Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County, and Towns of Champion, and Rutland, Jefferson County, NY

Figure 7: Archeological Site Plans - Sheet 4 of 10:
Mud Street Historic Site 1 (HS 3)

January 2014

Photo Location and Angle

Artifacts Recovered

- Brick
- Historic Material
- Pipe
- Prehistoric Material

Shovel Test Results

- No Cultural Material
- Historic Material
- Observed Archeological Features
- Observed Vegetation
- Area of Potential Effect
- Pedestrian Survey Area
- Parcel Boundary
- Wind Turbine
- Transmission Line
- Buried Interconnect
- Access Road
- Meteorological Tower
- Parcel Boundary
- Collection Station
- O&M Building and Laydown Yard
- NYS Protected Streams
- Unprotected Streams

Notes:
Basemap: ESRI ArcGIS Online Imagery Map Service

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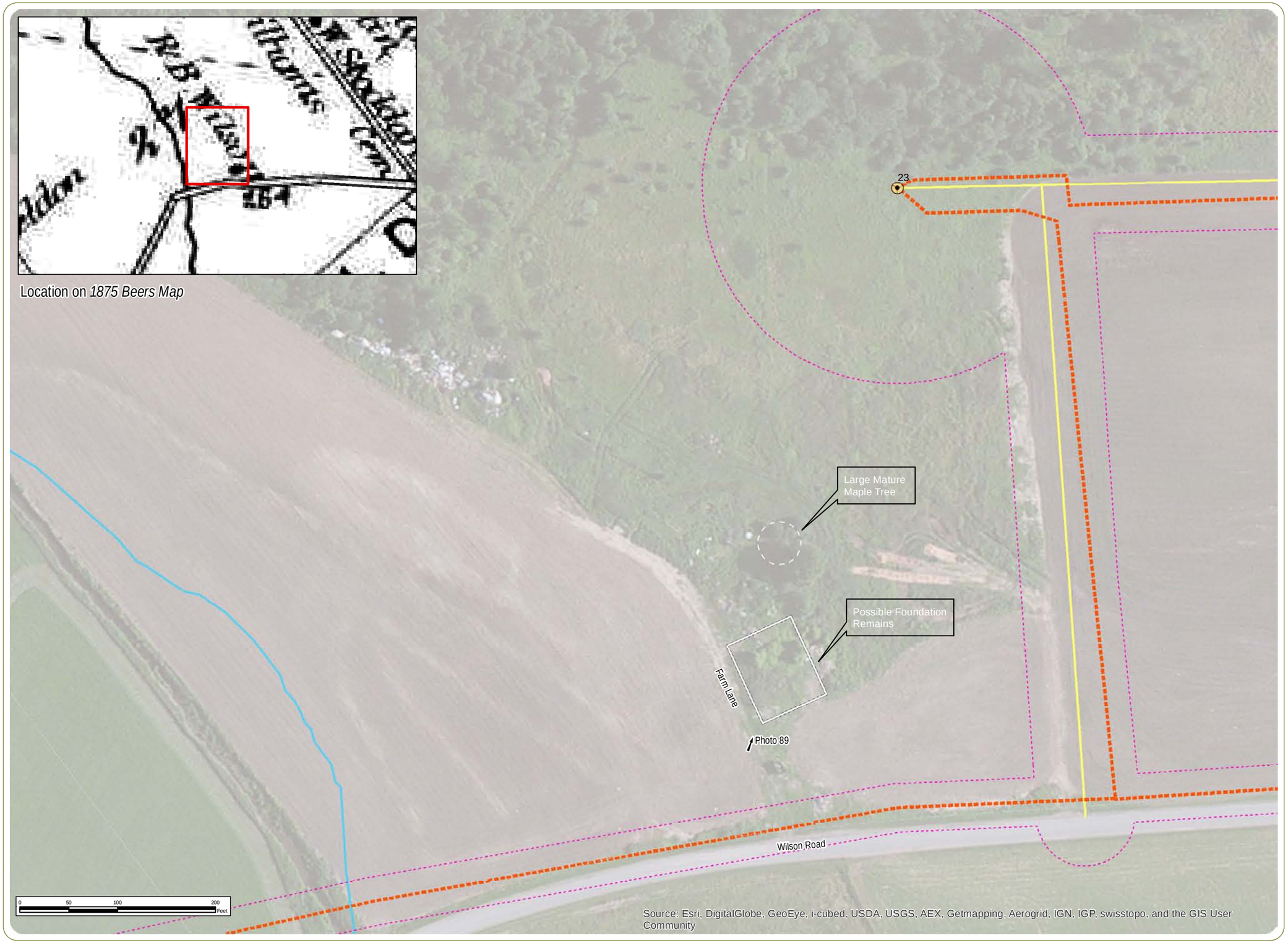

Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County, and Towns of Champion, and Rutland, Jefferson County, NY

Figure 7: Archeological Site Plans - Sheet 5 of 10: Wilson Road Historic Site 1 (HS 4)

January 2014

Photo Location and Angle

Artifacts Recovered

- Brick
- Historic Material
- Pipe
- Prehistoric Material

Shovel Test Results

- No Cultural Material
- Historic Material

- Observed Archeological Features
- Observed Vegetation
- Area of Potential Effect
- Pedestrian Survey Area
- Parcel Boundary
- Wind Turbine
- Transmission Line
- Buried Interconnect
- Access Road
- Meteorological Tower
- Parcel Boundary
- Collection Station
- O&M Building and Laydown Yard
- NYS Protected Streams
- Unprotected Streams

Notes:
Basemap: ESRI ArcGIS Online Imagery Map Service

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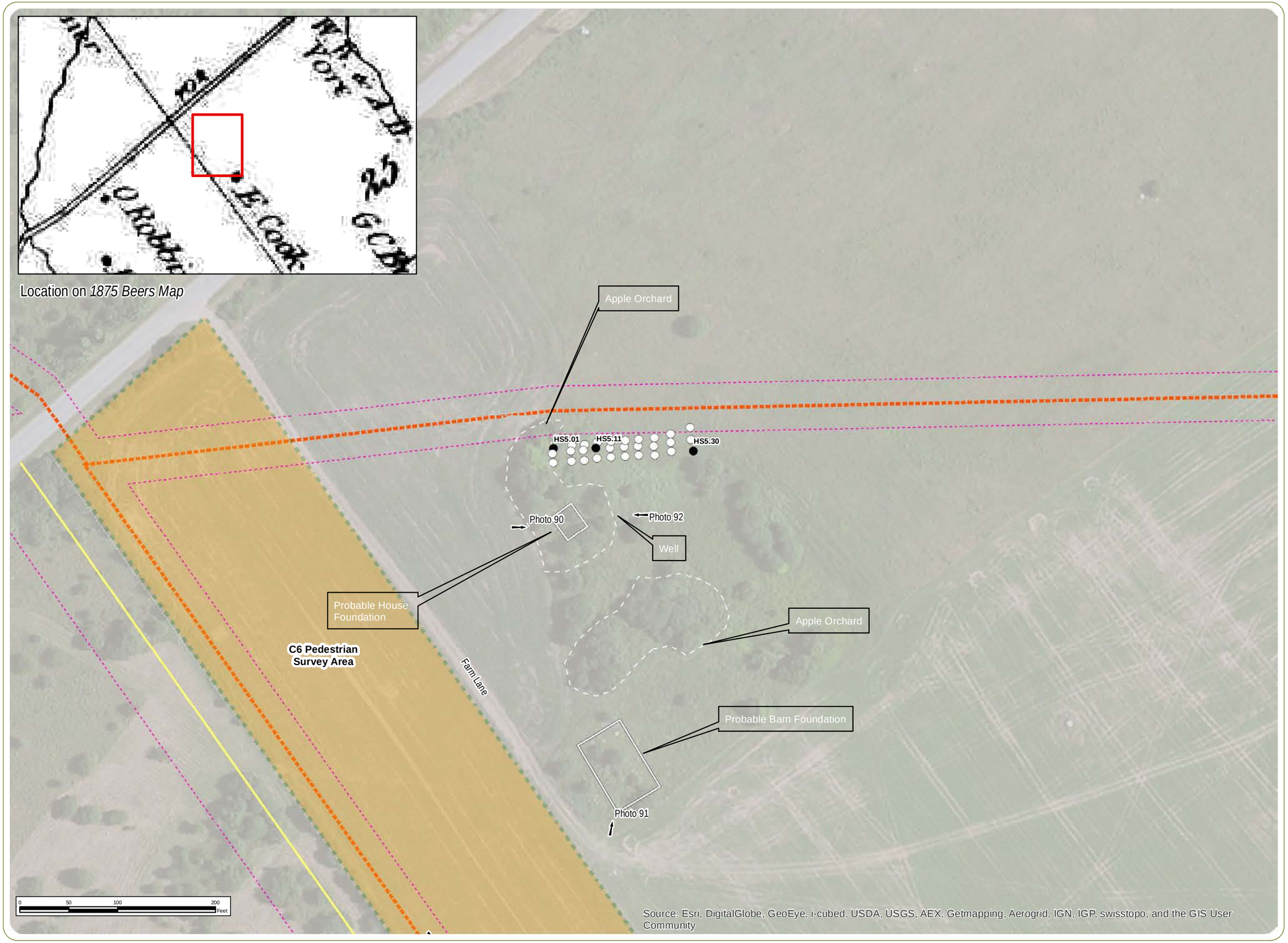

Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County, and Towns of Champion, and Rutland, Jefferson County, NY

Figure 7: Archeological Site Plans - Sheet 6 of 10: Roberts Road Historic Site 1 (HS 5)

January 2014

Photo Location and Angle

Artifacts Recovered

- Brick
- Historic Material
- Pipe
- Prehistoric Material

Shovel Test Results

- No Cultural Material
- Historic Material
- Observed Archeological Features
- Observed Vegetation
- Area of Potential Effect
- Pedestrian Survey Area
- Parcel Boundary
- Wind Turbine
- Transmission Line
- Buried Interconnect
- Access Road
- Meteorological Tower
- Parcel Boundary
- Collection Station
- O&M Building and Laydown Yard
- NYS Protected Streams
- Unprotected Streams

Notes:
Basemap: ESRI ArcGIS Online Imagery Map Service

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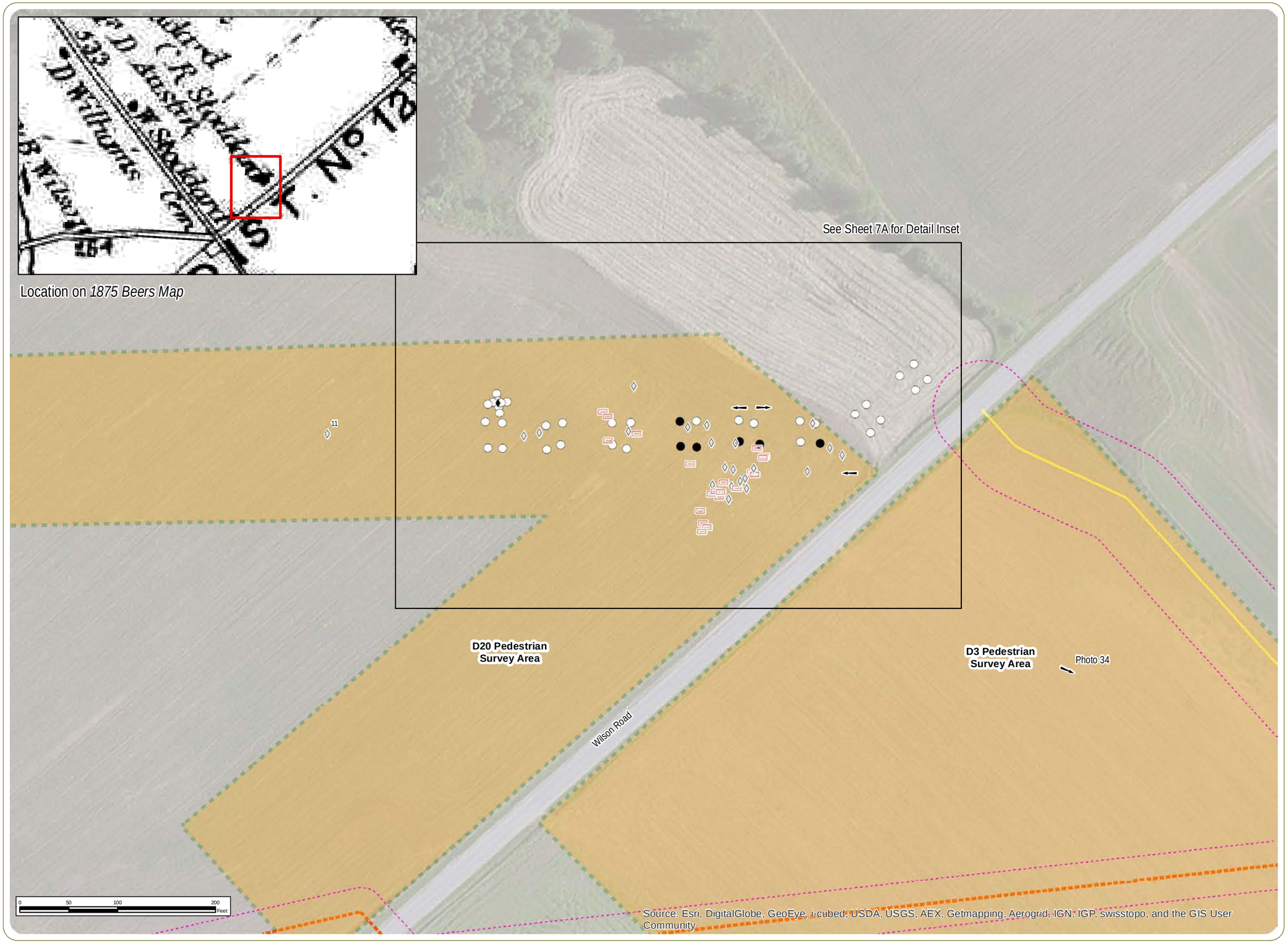

Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County, and Towns of Champion, and Rutland, Jefferson County, NY

Figure 7: Archeological Site Plans - Sheet 7 of 10: Wilson Road Historic Site 2 (HS 6)

January 2014

Photo Location and Angle

Artifacts Recovered

- Brick
- Historic Material
- Pipe
- Prehistoric Material

Shovel Test Results

- No Cultural Material
- Historic Material
- Observed Archeological Features
- Observed Vegetation
- Area of Potential Effect
- Pedestrian Survey Area
- Parcel Boundary
- Wind Turbine
- Transmission Line
- Buried Interconnect
- Access Road
- Meteorological Tower
- Parcel Boundary
- Collection Station
- O&M Building and Laydown Yard
- NYS Protected Streams
- Unprotected Streams

Notes:
Basemap: ESRI ArcGIS Online Imagery Map Service

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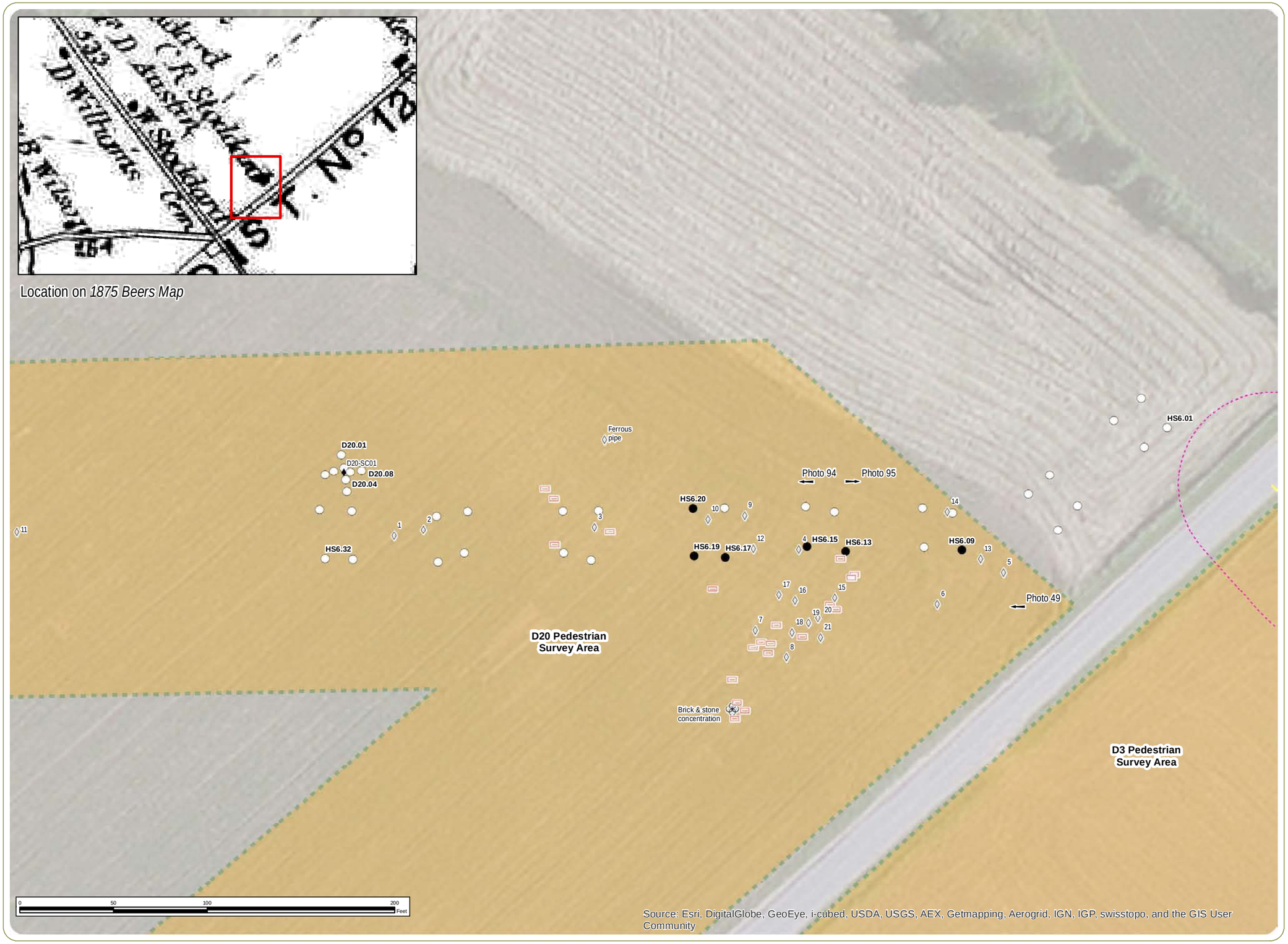

Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County, and Towns of Champion, and Rutland, Jefferson County, NY

Figure 7: Archeological Site Plans - Sheet 7A of 10: Wilson Road Historic Site 2 (HS 6) Detail Inset

January 2014

Photo Location and Angle

Artifacts Recovered

- Brick
- Historic Material
- Pipe
- Prehistoric Material

Shovel Test Results

- No Cultural Material
- Historic Material
- Observed Archeological Features
- Observed Vegetation
- Area of Potential Effect
- Pedestrian Survey Area
- Parcel Boundary
- Wind Turbine
- Transmission Line
- Buried Interconnect
- Access Road
- Meteorological Tower
- Parcel Boundary
- Collection Station
- O&M Building and Laydown Yard
- NYS Protected Streams
- Unprotected Streams

Notes:
Basemap: ESRI ArcGIS Online Imagery Map Service

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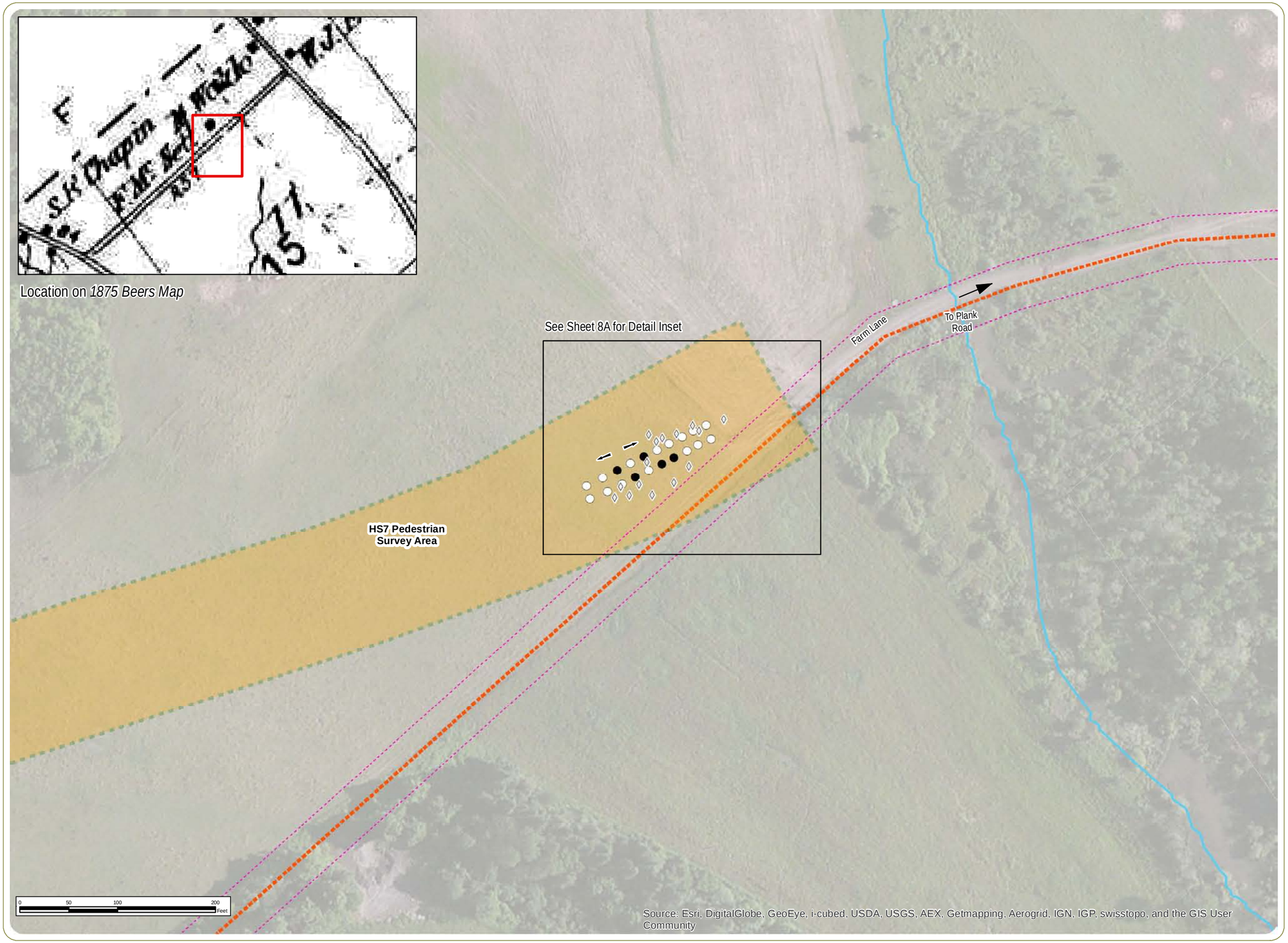

Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County, and Towns of Champion, and Rutland, Jefferson County, NY

Figure 7: Archeological Site Plans - Sheet 8 of 10: Plank Road Historic Site 1 (HS 7)

January 2014

Photo Location and Angle

Artifacts Recovered

- Brick
- Historic Material
- Pipe
- Prehistoric Material

Shovel Test Results

- No Cultural Material
- Historic Material
- Observed Archeological Features
- Observed Vegetation
- Area of Potential Effect
- Pedestrian Survey Area
- Parcel Boundary
- Wind Turbine
- Transmission Line
- Buried Interconnect
- Access Road
- Meteorological Tower
- Parcel Boundary
- Collection Station
- O&M Building and Laydown Yard
- NYS Protected Streams
- Unprotected Streams

Notes:
Basemap: ESRI ArcGIS Online Imagery Map Service

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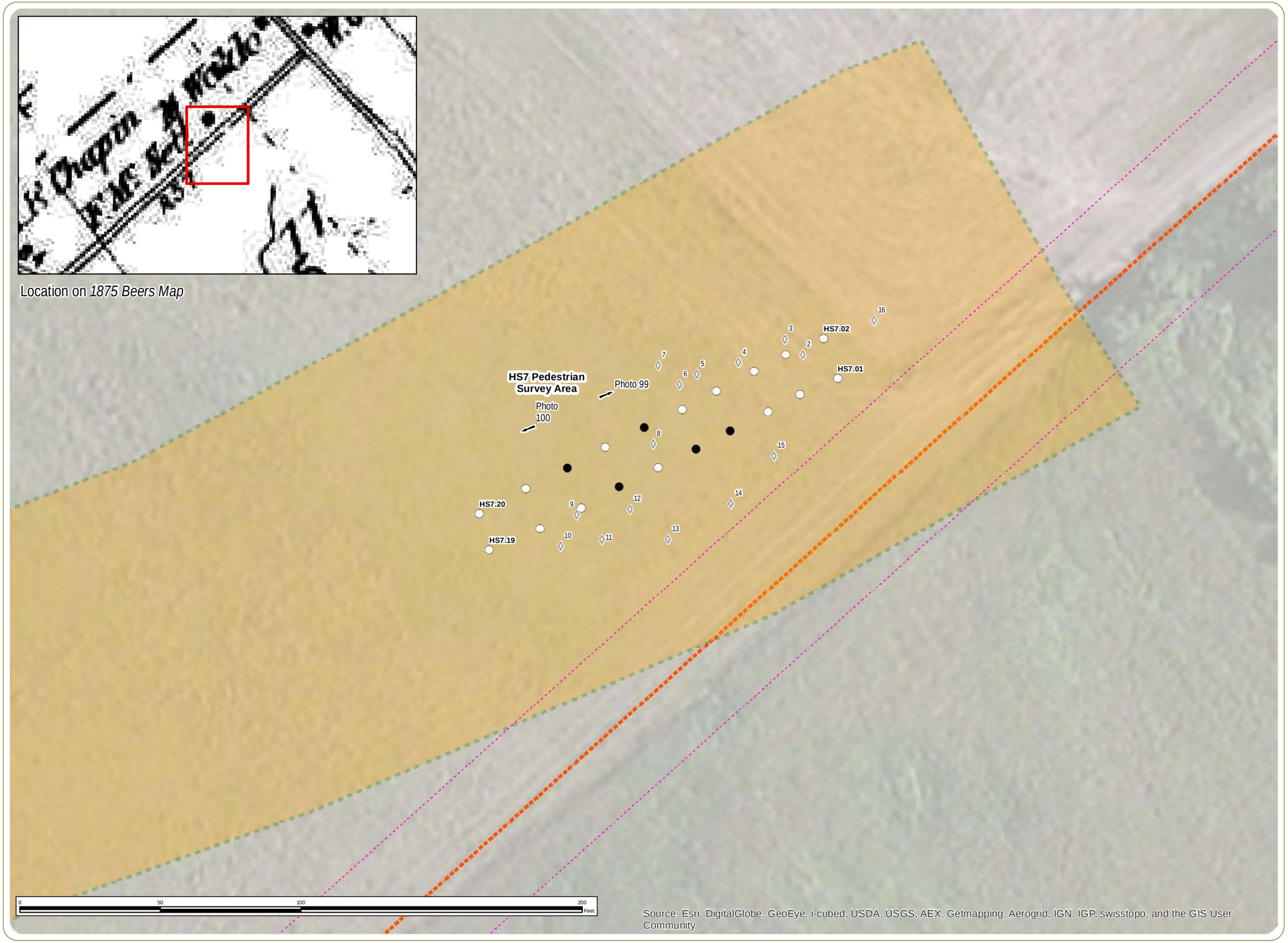

Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County, and Towns of Champion, and Rutland, Jefferson County, NY

Figure 7: Archeological Site Plans - Sheet 8A of 10: Plank Road Historic Site 1 (HS 7) Detail Inset

January 2014

Photo Locations

Artifacts Recovered

- Brick
- Historic Material
- Pipe
- Prehistoric Material

Shovel Test Results

- No Cultural Material
- Historic Material
- Observed Archeological Features
- Observed Vegetation
- Area of Potential Effect
- Pedestrian Survey Area
- Parcel Boundary
- Wind Turbine
- Transmission Line
- Buried Interconnect
- Access Road
- Meteorological Tower
- Parcel Boundary
- Collection Station
- O&M Building and Laydown Yard
- NYS Protected Streams
- Unprotected Streams

Notes:
Basemap: ESRI ArcGIS Online Imagery Map Service

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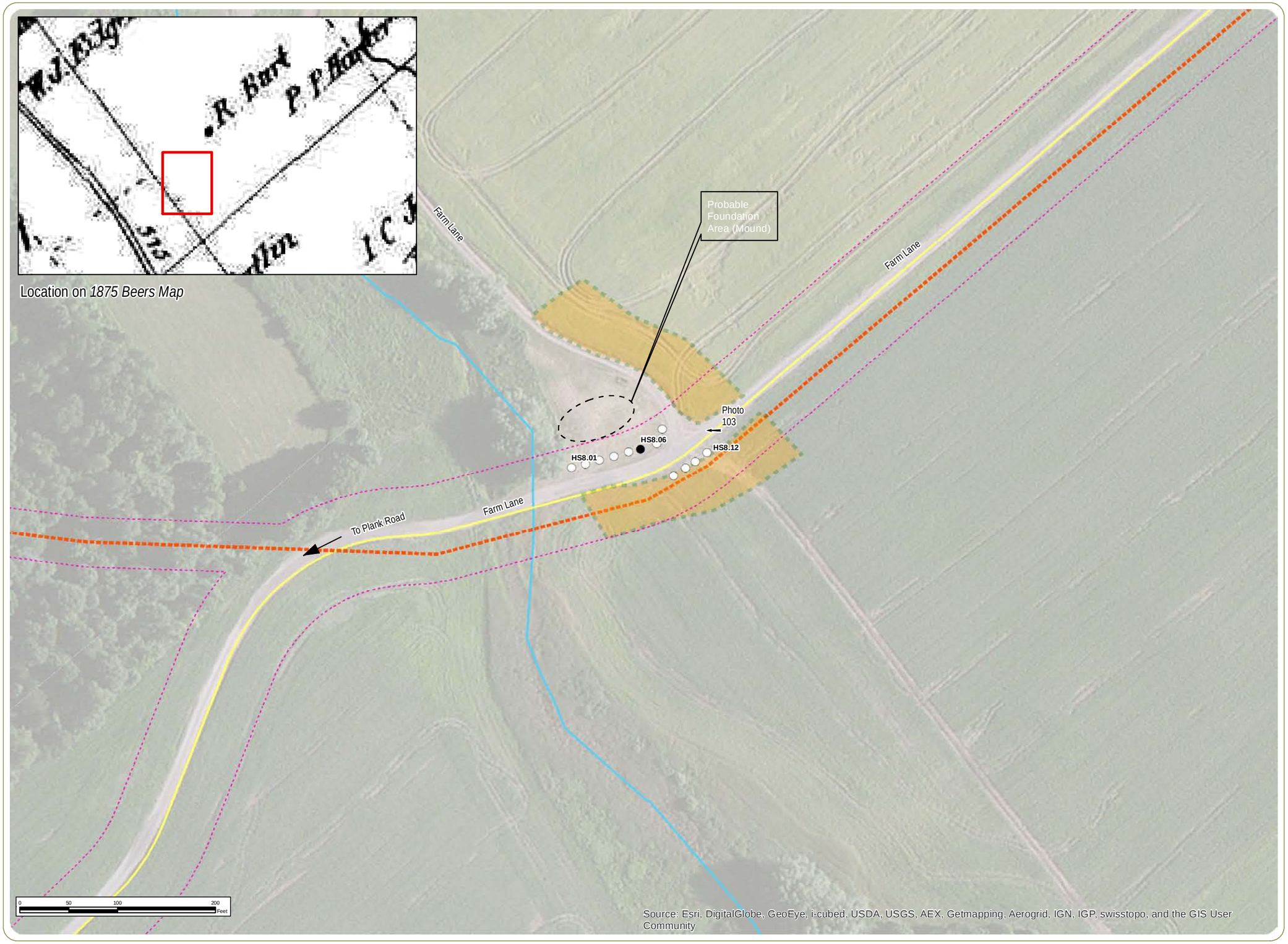

Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County, and Towns of Champion, and Rutland, Jefferson County, NY

Figure 7: Archeological Site Plans - Sheet 9 of 10: Plank Road Historic Site 2 (HS 8)

January 2014

Photo Location and Angle

Artifacts Recovered

- Brick
- Historic Material
- Pipe
- Prehistoric Material

Shovel Test Results

- No Cultural Material
- Historic Material
- Observed Archeological Features
- Observed Vegetation
- Area of Potential Effect
- Pedestrian Survey Area
- Parcel Boundary
- Wind Turbine
- Transmission Line
- Buried Interconnect
- Access Road
- Meteorological Tower
- Parcel Boundary
- Collection Station
- O&M Building and Laydown Yard
- NYS Protected Streams
- Unprotected Streams

Notes:
Basemap: ESRI ArcGIS Online Imagery Map Service

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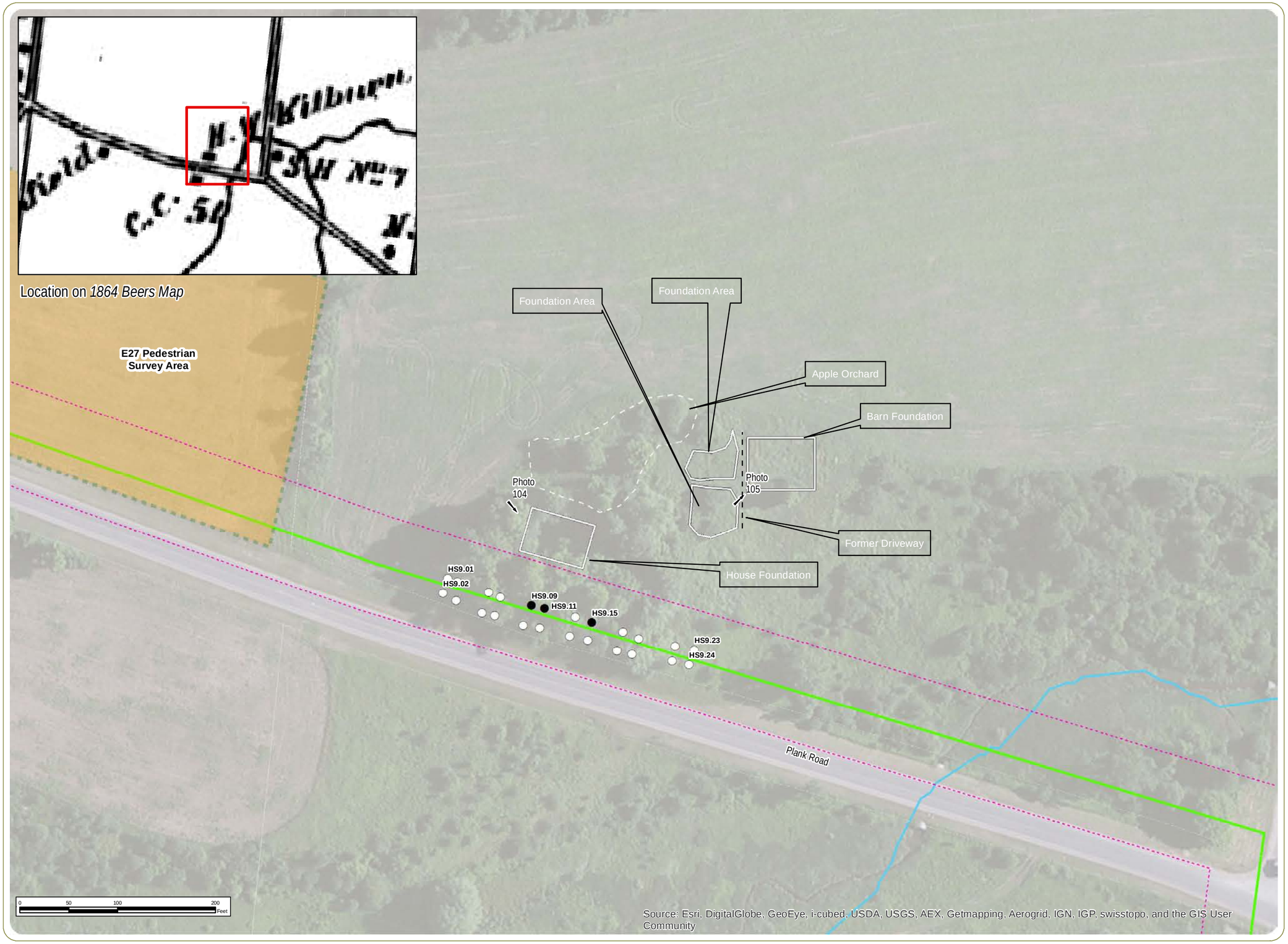

Copenhagen Wind Farm - Phase 1B Archeological Survey

Town of Denmark, Lewis County, and Towns of Champion, and Rutland, Jefferson County, NY

Figure 7: Archeological Site Plans - Sheet 10 of 10: Plank Road Historic Site 3 (HS 9)

January 2014

Photo Location and Angle

Artifacts Recovered

- Brick
- Historic Material
- Pipe
- Prehistoric Material

Shovel Test Results

- No Cultural Material
- Historic Material
- Observed Archeological Features
- Observed Vegetation
- Area of Potential Effect
- Pedestrian Survey Area
- Parcel Boundary
- Wind Turbine
- Transmission Line
- Buried Interconnect
- Access Road
- Meteorological Tower
- Parcel Boundary
- Collection Station
- O&M Building and Laydown Yard
- NYS Protected Streams
- Unprotected Streams

Notes:
Basemap: ESRI ArcGIS Online Imagery Map Service

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Appendix A

NYSOPRHP Correspondence

letter of transmittal

To:	Mr. James Warren	**edr Project No:**	12012
Company:	New York State Office of Parks, Recreation & Historic Preservation 10 Delaware Avenue, Cohoes, New York 12047-3722		
From:	Patrick J. Heaton, RPA		
Date:	March 7, 2013		
RE:	Copenhagen Wind Farm (Town of Denmark, Lewis County and the Towns of Champion, Rutland, and Watertown, Jefferson County, New York) SHPO Project Review Request Phase 1A Cultural Resources Survey		
We are sending:	Attached		
Sent VIA:	UPS Ground		

Comments:

On behalf of Copenhagen Wind Farm, LLC, **edr** Companies (**edr**) prepared the enclosed Project Review Cover Form and Phase 1A Cultural Resources Survey for the proposed Copenhagen Wind Farm, located in the Town of Denmark, in Lewis County, New York (Wind Project) and the Towns of Champion, Rutland, and Watertown in Jefferson County, New York (Transmission Line). The information included in this Phase 1A cultural resources survey report is intended to assist the Town of Denmark Planning Board in their review of the proposed project under the State Environmental Quality Review Act (SEQRA). In addition, the Project may require review from the New York State Department of Environmental Conservation (NYSDEC) and/or the United States Army Corps of Engineers (USACOE).

If you have any questions or require additional information, please contact Patrick Heaton at pheaton@edrcompanies.com or (315) 471-0688.

Copies To: Copenhagen Wind, LLC – via email; file

If enclosures are not as indicated, kindly notify us.

Andrew M. Cuomo
Governor

Rose Harvey
Commissioner

New York State Office of Parks, Recreation and Historic Preservation

Division for Historic Preservation
P.O. Box 189, Waterford, New York 12188-0189
518-237-8643

June 05, 2013

Patrick Heaton
edr Companies
217 Montgomery Street
Suite 1000
Syracuse, New York 13202
(via email only)

Re: CORPS PERMITS,DEC
Copenhagen Wind Farm 63 Turbines
SR-12, CR-26, 15, Mud St, Wilson, Halifax,
Stoddard Raods
Champion, Copenhagen, Watertown, Rutland
Lewis & Jefferson Counties
12PR02853

Dear Mr. Heaton:

Thank you for requesting the comments of the State Historic Preservation Office (SHPO). We have reviewed the project in accordance with Section 106 of the National Historic Preservation Act of 1966. These comments are those of the SHPO and relate only to Historic/Cultural resources. They do not include potential environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the National Environmental Policy Act and/or the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8).

The SHPO concurs with the archaeological recommendation for 1B testing and looks forward to reviewing the sampling protocol.

The SHPO has also reviewed the conclusions and recommendations for architectural properties and concurs that a more intensive-level survey be conducted according to the Cultural Resource Survey Guide for Wind Projects prior to construction.

If further correspondence is required regarding this project, please be sure to refer to the OPRHP Project Review (PR) number noted above. For questions concerning the architectural component of the review please contact Tony Opalka at 518-237-8643 x3278. For questions regarding archaeology please contact Dan Bagrow at x3254

Sincerely,

Daniel A. Bagrow
Historic Preservation Specialist

letter of transmittal

To:	Mr. Dan Bagrow	**EDR Project No:**	12012
Company:	New York State Office of Parks, Recreation, and Historic Preservation 10 Delaware Avenue, Cohoes, New York 12047-3722		
From:	Patrick Heaton, RPA		
Date:	August 29, 2013		
RE:	Copenhagen Wind Farm (Lewis and Jefferson Counties) – Project Review # 12PR02853 Phase 1B Archeological Survey Work Plan		
We are sending:	Attached		
Sent VIA:	UPS Ground		

Dear Mr. Bagrow,

On behalf of Copenhagen Wind Farm, LLC, EDR Environmental Services, LLC (EDR) prepared the enclosed *Phase 1B Archeological Survey Work Plan* for the proposed Copenhagen Wind Farm, located in the Town of Denmark, in Lewis County, New York (Wind Project) and the Towns of Champion, Rutland, and Watertown in Jefferson County, New York (Transmission Line).

The enclosed Work Plan builds upon the recommendations presented in our previous Phase 1A report (March, 2013), which your office reviewed and responded to on June 5, 2013. The research design defines the level of effort and sampling strategy for our Phase 1B archeological survey for the project and was prepared in accordance with the *New York State Historic Preservation Office Guidelines for Wind Farm Development Cultural Resources Survey Work* (the *SHPO Wind Guidelines*) issued by your office in 2006.

If you have any questions or require additional information, please contact Patrick Heaton at pheaton@edrcompanies.com or (315) 471-0688.

Sincerely,

Patrick J. Heaton

Patrick Heaton, RPA
Project Manager

Copies To: J. Damon (Copenhagen Wind Farm, LLC).

If enclosures are not as indicated, kindly notify us.

OFFICE OF PARKS, RECREATION · HISTORIC PRESERVATION
NEW YORK STATE

New York State Office of Parks, Recreation and Historic Preservation

Division for Historic Preservation
P.O. Box 189, Waterford, New York 12188-0189
518-237-8643

Andrew M. Cuomo
Governor

Rose Harvey
Commissioner

September 18, 2013

Patrick Heaton
edr Companies
217 Montgomery St, Suite 1000
Syracuse, New York 13202

Re: CORPS PERMITS,DEC
Copenhagen Wind Farm 63 Turbines
SR-12, CR-26, 15, Mud St, Wilson, Halifax,
Stoddard Rd/DENMARK (Lewis Co.);
CHAMPION, RUTLAND, WATERTOWN,
(Jefferson Co.)
12PR02853

Dear Mr. Heaton:

Thank you for requesting the comments of the State Historic Preservation Office (SHPO). We have reviewed the project in accordance with Section 106 of the National Historic Preservation Act of 1966. These comments are those of the SHPO and relate only to Historic/Cultural resources. They do not include potential environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the National Environmental Policy Act and/or the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8).

SHPO has reviewed the proposed 1B Archaeological Survey work plan. At this time SHPO is tentatively comfortable with the proposed testing strategy. In our email exchange on 9.17.2013 you indicated that the pole locations are currently unknown. When known, please incorporate the pole testing into the 1B survey.

If further correspondence is required regarding this project, please be sure to refer to the OPRHP Project Review (PR) number noted above.

Sincerely,

Daniel A. Bagrow
Historic Preservation Specialist

Appendix B

Phase 1B Archeological Survey Work Plan

Phase 1B Archeological Survey Work Plan

Copenhagen Wind Farm

Town of Denmark, Lewis County, and

Towns of Champion, Rutland, and Watertown, Jefferson County, New York

Prepared for:

Copenhagen Wind, LLC
c/o Own Energy
45 Main Street, Suite 538
Brooklyn, New York 11201
P: 646.898.3690
http://www.ownenergy.net/

Prepared by:

EDR Environmental Services, LLC
217 Montgomery Street, Suite 1000
Syracuse, New York 13202
P: 315.471.0688
F: 315.471.1061
www.edrcompanies.com

August 2013

MANAGEMENT SUMMARY

SHPO Project Review Number:	12PR02853
Involved State and Federal Agencies:	Town of Denmark Planning Board (SEQR) NYSDEC (SPDES General Permit)
Phase of Survey:	Phase 1B Archeological Survey Work Plan
Location Information:	Town of Denmark, Lewis County (Wind Project) and Towns of Champion, Rutland, and Watertown, Jefferson County, New York (Transmission Line)
Survey Area:	
Project Description:	47 wind turbines and associated infrastructure 9.9-mile-long 115kV transmission line
Project Area:	approximately 8,990 acres
USGS 7.5-Minute Quadrangle Map:	*Rutland Center, Copenhagen, Carthage, New Boston, West Lowville*
Archeological Survey Overview:	
Number/interval of shovel tests:	n/a (Phase 1B Work Plan only)
Number/size of excavation units:	n/a (Phase 1B Work Plan only)
Pedestrian surface survey:	n/a (Phase 1B Work Plan only)
Surface survey transect interval:	n/a (Phase 1B Work Plan only)
Results of Archeological Survey:	
Pre-contact sites identified:	n/a (Phase 1B Work Plan only)
Historic sites identified:	n/a (Phase 1B Work Plan only)
Report Authors:	Patrick J. Heaton, RPA Lisa Young
Date of Report:	August 2013

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1.0 INTRODUCTION

1.1 Purpose and Goals

This Phase 1B Archeological Survey Work Plan has been prepared by EDR Environmental Services, LLC (EDR) for the proposed Copenhagen Wind Farm (the Project), located in the Town of Denmark, Lewis County and the Towns of Rutland, Champion and Watertown, Jefferson County, New York on behalf of Copenhagen Wind Farm, LLC (a subsidiary of OwnEnergy, Inc.). The purpose of the Phase 1B survey is to locate previously unrecorded archeological sites that may be present in the Project's Area of Potential Effect (APE) and determine if any such sites could be affected by construction or operation of the proposed Project. This Work Plan has been prepared in accordance with the *New York State Historic Preservation Office Guidelines for Wind Farm Development Cultural Resources Survey Work* (the *SHPO Wind Guidelines*) issued by the New York State Office of Parks, Recreation, and Historic Preservation (NYSOPRHP) in 2006.

A Phase 1A Cultural Resources Survey was prepared for the Project and submitted to the NYSOPRHP in January of 2013 (EDR, 2013a). The Phase 1A report identified three previously reported archeological sites located near stream crossings within the Transmission Corridor. No previously reported archeological sites were identified within the Generating Site. The report concluded that there is a relatively low potential for Native American archeological sites to be present within the Generating Site as well as within the portions of the Transmission Corridor that are not in proximity to streams or wetlands. Portions of the Transmission Corridor located in the vicinity of streams and/or wetlands are considered to have a moderate to high potential for Native American archeological sites. The Phase 1A report also provided historic maps depicting locations of farmsteads and other potential historic-period archeological sites. Review correspondence received from NYSOPRHP dated June 5, 2013 concurred with the recommendation in the Phase 1A report that a Phase 1B archeological survey be conducted for the Project in accordance with the *SHPO Wind Guidelines*.

The *SHPO Wind Guidelines* suggest following the approach detailed in Robert Funk's 1993 study, *Archeological Investigations in the Upper Susquehanna Valley, New York State* in the design of archeological surveys for wind projects. The approach involves identification of broad environmental zones with local habitat (or landscape class) subdivisions, and the *SHPO Wind Guidelines* recommend that design of the archeological survey include intensive sampling of selected areas within each of the identified landscape classes, rather than undertaking an even distribution of sampling throughout the APE. Following Funk's 1993 approach, EDR used Geographic Information System (GIS) software to identify landscape classes within the Copenhagen Wind Farm Project Area and used this information to design the proposed archeological sampling strategy.

1.2 Project Location and Description

Copenhagen Wind Farm, LLC is proposing to develop a wind-powered electric generating facility (the Project) in the Town of Denmark, Lewis County, New York (see Figure 1). The Project also includes a proposed 9.9-mile, 115-kilovolt (kV) transmission line that will be located in the Towns of Champion, Rutland, and Watertown, in Jefferson County, New York. The Project site consists of open fields, mature forests, areas of successional shrubland and wetlands, with elevations in the range of 835 to 1,500 feet above mean sea level (amsl). Land use within the Project site is dominated by active and reverting agricultural land. With the exception of the Village of Copenhagen, the area surrounding the Project is primarily undeveloped, with farms and rural residences interspersed along area roadways. In addition to the Village of Copenhagen (population of approximately 800), more concentrated development also occurs in the nearby City of Watertown and Villages of Carthage, West Carthage and Castorland.

As described in the Phase 1A report (EDR, 2013a), the Project was originally considering up to 62 wind turbine locations. Review and revision of the Project layout has been ongoing during the State Environmental Quality Review Act (SEQR) review of the Project (with the Town of Denmark Planning Board acting as SEQR Lead Agency). Per the Draft Environmental Impact Statement (DEIS) for the Project (EDR, 2013b), which was deemed complete and released for public comment in June, 2013, the Project was anticipated to include up to 49 turbines. Subsequent to the release of the DEIS, the Project layout has been further refined (in large part to avoid and/or minimize impacts to wetlands and other environmental factors).

As presently envisioned, the Project is anticipated to include up to 47 wind turbines with a rated capacity of 1.6 megawatts (MW), for a total generating capacity up to 75.2 MW. The Project anticipates using the GE 1.6 - 100 wind turbine (or equivalent). Each wind turbine will include a three-bladed upwind rotor, with a diameter of 100 meters (328 feet), mounted on a 96-meter (315-foot) tubular steel tower (total height 150 meters (492 feet). The Project will also involve construction of approximately 12 miles of gravel access roads, approximately 20 miles of buried or overhead 34.5 kV electrical collector lines, a collection substation, and three permanent 100-meter (328 feet) tall meteorological towers, located in the Town of Denmark, Lewis County (Generating Site). To service the facility, an operations and maintenance building (O&M facility) will house operations personnel, equipment and materials, and provide staff parking. To deliver power to the New York State power grid, the Project sponsor proposes to construct a collection substation located north of Route 12 in the Town of Denmark. This station will connect to the power grid via a newly constructed 115kV electrical interconnection line connecting to the National Grid East Watertown substation via a new Point of Interconnection (POI) station located in the Town of Watertown. The interconnection route will be comprised of approximately 9.9 miles of overhead line on wooden or steel pole structures, and located within a right-of-way (ROW) located in the Towns of Rutland, Champion and Watertown, Jefferson County (Transmission Corridor). The current proposed Project layout is depicted in Figure 2.

2.0 PHASE 1B ARCHEOLOGICAL SURVEY WORK PLAN

2.1 Area of Potential Effect (APE)

A project's archeological APE is defined as those areas where soil disturbance is proposed to occur during project construction. The descriptions below characterize anticipated limits of soil disturbance for each Project component (see Figure 2), which cumulatively make up the Copenhagen Wind Farm's archeological APE. For purposes of describing the APE, the areas of disturbance listed below represent the temporary extent of soil disturbance anticipated to occur during Project construction and do not represent permanent soil disturbance associated with the Project.

- *Wind Turbines.* A 200-foot radius around each of the 47 proposed turbine sites will be temporarily stripped of topsoil and graded to create a workspace for turbine assembly and erection. This will result in soil disturbance of approximately 2.9 acres per turbine.
- *Access Roads.* The Project is proposed to include approximately 12 miles of gravel-surface access roads. The minimum permanent width of access roads will be 20 feet, although during construction a 100 foot-wide road corridor cleared of vegetation will be required for crane movement and oversized vehicles delivering turbine components.
- *Buried Electrical Lines.* The Project is proposed to include approximately 20 miles of 34.5 kV buried electrical lines. Electrical collection lines will be installed within a trench three to four feet-deep, and will require a construction corridor with a maximum width of 25 feet of soil disturbance.
- *Meteorological Tower.* Three permanent meteorological towers are proposed for the Project and their construction is conservatively assumed to result in up to 1 acre of soil disturbance per tower.
- *Staging Area.* One staging area up to 8 acres in size is proposed for the Project. Construction of the staging area will include stripping/stockpiling topsoil, grading and compacting the subsoil, and installation of geotextile fabric and gravel.
- *O&M facility.* Construction of the proposed O&M facility is anticipated to require up to 3.5 acres of soil disturbance.
- *Substation/Switchyard.* The Project will require a point of collection substation and interconnection switchyard to allow connection to the existing power grid. Construction of these facilities is anticipated to disturb approximately 3 acres.
- *Transmission Line.* Construction of the 9.9-mile transmission line is anticipated to disturb a corridor 100 feet wide. This represents a conservative estimate because in open/active agricultural areas where no vegetation clearing will be necessary disturbance will be limited to pole locations, which will not require ground disturbance of the entire 100-foot-wide corridor.

Based on these impact assumptions, the Project APE is 451 acres in size. Note that this represents the total areas that will be temporarily disturbed construction. Following construction, the operating Project is anticipated to have a permanent footprint that is significantly smaller and the remaining portions of the APE will be restored following Project construction.

2.2 Field Methods

Reconnaissance-level field visits conducted by EDR in support of the Phase 1A report revealed that the archeological APE for the Project includes active agricultural lands (including both corn and hay fields), forested/shrubland areas, and steeply sloped areas (i.e., areas in excess of 12% slopes per the New York Archaeological Council's [NYAC] *Standards for Cultural Resources Investigations and the Curation of Archaeological Collections in New York State* [the *NYAC Standards;* NYAC, 1994]). It is anticipated that archeological survey work in these areas will consist of the following:

- *Corn fields.* In existing corn fields and/or previously cultivated areas with greater than 80% ground-surface visibility, EDR personnel will conduct a pedestrian surface survey to determine whether archeological sites are present (in accordance with the *NYAC Standards*). In these areas, EDR personnel will traverse the archeological APE along transects spaced at three to five-meter intervals while inspecting the ground surface for artifacts and/or archeological features. The timing for this work is critical because surface survey needs to be conducted after a field has been freshly plowed and disked, and preferably following a rain event. If any artifacts or other indication of an archeological site is observed on the ground surface, then the location of all finds will be recorded using sub-meter accuracy Global Positioning System (GPS) equipment. After recording the locations of all artifacts and/or features in a given area, EDR personnel will collect observed artifacts for subsequent laboratory identification and analysis, in accordance with standard archeological methods.
- *Hay fields, forested, and shrubland.* In selected areas not suitable for pedestrian surface survey, EDR personnel will excavate shovel tests to determine whether archeological sites are present. Shovel tests will be excavated along transects or in grid patterns at five-meter intervals within selected areas to provide for intensive sampling of the various environmental zones within the project site (per the *SHPO Wind Guidelines*). Shovel tests excavated for the project will be 30-50 cm in diameter and excavated to sterile subsoil or the practical limits of hand excavation (in accordance with the *NYAC Standards*). Field notes for each shovel test will be recorded on standardized forms that describe soil stratigraphy, record whether any artifacts were recovered, and note any other relevant observations. All soils excavated from shovel tests will be screened through 0.25-inch hardware cloth. If prehistoric Native American artifacts are recovered

from an isolated shovel test, then up to eight additional shovel tests will be excavated at one-meter and three-meter intervals around the original shovel test to determine whether the artifacts represent an isolated find or may indicate the presence of a more substantial archeological site.

- *Steeply sloped areas.* No systematic archeological survey work is proposed in steeply sloped areas (per the *NYAC Standards*). In these areas, archeological survey work will be restricted to pedestrian walkover supplemented by judgmental shovel testing if indications of a potential archeological site are observed (e.g., foundations, structural remains, or rock overhangs suitable for use as shelters).

2.3 Archeological Work Scope

The Phase 1B survey methodology proposed in this Work Plan was designed in accordance with the 2006 *SHPO Wind Guidelines*. This approach entails using the acreage of the Project's archeological APE to determine the appropriate level of effort required for the Project, and then concentrating survey efforts within selected portions of each landscape class identified in the GIS model. Table 1 provides the archeological APE for each Project component, distinguishing proposed surface survey areas[1] (i.e., cultivated areas) from proposed shovel testing areas (i.e., wooded or idle areas). In areas requiring shovel testing, the level of effort was calculated using the assumption of 16 shovel tests per acre (in accordance with the 2006 *SHPO Wind Guidelines*).

Table 1. Phase 1B Archeological Survey APE and Methods

Project Component	Archeological APE (acres)	Surface Survey (acres)	Shovel Testing Areas[2] (acres)	Potential Shovel Tests[3] (16 shovel tests/acre)
Wind Turbines	135.5	81.4	54.1	865.6
Access Roads[1]	143.5	91.7	51.8	828.8
Buried Electrical Lines[1]	34.3	21.5	12.8	204.8
Transmission Line	120.2	41.7	78.5	1256
Meteorological Tower	3	2	1	16
Staging Area	11.5	0	11.5	184
Substation/Switchyard	3	2	1	16
Total	**451**	**240.3**	**210.7**	**3371.2**

[1] In areas where access roads or buried electrical lines overlap turbine workspaces, the overlapping acreage is included under turbine workspaces (and excluded from access road and buried electrical lines) to avoid duplication. Similarly, in areas where buried electrical lines are within the access road width of disturbance, the overlapping acreage is included under access roads.
[2] Wooded and/or idle areas not suitable for pedestrian surface survey.
[3] These estimates are based solely on the acreage of wooded/idle areas and do not take into account steeply sloped areas, where no systematic shovel testing will be conducted (see Section 2.2, above).

[1] Note: EDR archeologists have already conducted the pedestrian surface survey portions of the archeological survey. This portion of the survey was conducted in June, 2103 to ensure that pedestrian surface survey was conducted during a period of optimal ground surface visibility (i.e., before the corn grew too high and obstructed views of the ground surface).

2.4 Landscape Classification GIS Model

EDR performed a Geographic Information System (GIS)-based landscape classification analysis for the Project site in accordance with the *SHPO Wind Guidelines*. The landscape classification identified environmental zones within the Project following the example set forth in the New York State Museum Bulletin entitled *Archeological Investigations in the Upper Susquehanna Valley, New York State* (Funk, 1993).

The landscape classification model was created based on a digital elevation model (DEM) obtained from the United States Geologic Survey (USGS) National Elevation Dataset (NED), which is a "seamless dataset with the best available raster elevation data of the conterminous United States" (USGS, 2006).). The resolution of the DEM used for this analysis was 10 by 10 meters. According to this data, the elevation within the Project Area ranges from approximately 835 to 1,500 feet. Based on elevation alone, the Project site would fall within the valley floor and valley wall environmental zones defined by Funk (1993). However, the Project site is situated on the edge of the Tug Hill Plateau as it descends to the Black River Valley and review of the DEM, confirmed by site visits, indicates that the Project site more accurately includes both valley wall and upland, or interfluve, environmental zones. These two environmental zones were further divided into the following seven landscape classes identified within the Project site:

1. Upland near streams
2. Upland near wetlands
3. Upland without associated water features
4. Valley Wall near streams
5. Valley Wall near wetlands
6. Valley Wall without associated water features
7. Steep slopes (>12%)

The seven landscape classes were identified by applying the following methods and definitions to the Project site through the use of ArcGIS software and the associated Spatial Analyst extension:

- *Upland and Valley Wall*. Based on review of the DEM and USGS topographic mapping, areas with elevations greater than 1,200 feet were designated as upland while areas with less than 1,200 feet of elevation were designated as falling within the valley wall environmental zone.
- *Steep Slopes*. Slope was calculated from the DEM and areas of greater than 12% slope were extracted for this landscape class.
- *Streams and Wetlands*. Areas near streams and wetlands were defined by 300-meter buffers applied to Environmental Systems Research Institute (ESRI) mapped streams and to on-site wetlands approximated by EDR. Areas where a stream and wetland buffer overlapped were classified as near stream.

The final landscape classification was created by combining the files resulting from the list above into one shapefile representing the spatial extent of each of the seven landscape classes within the Project site. This file was then evaluated with respect to the proposed Project layout to determine the acreage of soil disturbance anticipated to occur in each of the landscape classes.

2.5 Archeological Survey Research Design

The resulting landscape classification for the Project is presented in Table 2 and Figure 3. Table 2 provides the acreage of archeological APE associated with each Project component within each of the identified landscape classes. Figure 3 depicts the extent of the seven landscape classes within the Project Area in relation to the proposed Project layout.

Table 2. Archeological APE by Project Component and Landscape Class

Landscape Classification	Archeological APE by Project Component (Acres)					Total Archeological APE (Acres)
	Wind Turbine	Access Road[1]	Buried Interconnect[1]	Transmission Line	Substation, Met Tower and Staging Area	
Steep Slopes (>12%)	3.6	2.2	2.7	5.8	-	**14.3**
Upland						
No Associated Water	91.1	88.9	22.3	1.2	11.7	**215.2**
Near Wetland	38	41	5.5	4.1	1.1	**89.7**
Near Stream	0.6	4.7	0.5	-	-	**5.8**
Valley Wall						
No Associated Water	2.2	4.1	2.2	48.9	0.9	**58.3**
Near Wetland	-	1.8	0.3	44.7	1.9	**48.7**
Near Stream	-	0.8	0.8	15.5	1.9	**19.0**
Total	**135.5**	**143.5**	**34.3**	**120.2**	**17.5**	**451.0**

[1]In areas where access roads or buried electrical lines overlap turbine workspaces, the overlapping acreage is included under turbine workspaces (and excluded from access road and buried electrical lines) to avoid duplication. Similarly, in areas where buried electrical lines are within the access road width of disturbance, the overlapping acreage is included under access roads.

As shown in Table 2, approximately 310.7 acres of the APE occurs on uplands, 126.0 acres on valley walls, and 14.3 acres on steep slopes. A relatively small portion of the Project APE occurs near streams (only 24.8 acres of APE within 300 feet of a mapped stream). Areas of APE near wetlands are fairly common (89.7 acres on uplands and 48.7 acres on valley walls) but areas with no associated water features dominate (215.2 acres on uplands and 58.3 acres on valley walls).

Table 3 provides the research design for the Phase 1B Archeological Survey. The research design reflects the distribution of various landscape classes according to existing land cover/land use (e.g., agricultural fields, wooded area) and associated archeological survey methods (e.g., pedestrian surface survey, shovel testing), as appropriate.

Table 3. Summary of Archeological Survey Method by Landscape Class

Landscape Classification	Number of Shovel Tests (Idle Areas)	Surface Survey Acreage (Cultivated Areas)
Steep Slopes (>12%)	n/a	6.7
Upland		
No Associated Water	1360	130.4
Near Wetland	627.2	50.5
Near Stream	40	3.3
Valley Wall		
No Associated Water	532.8	25.1
Near Wetland	512	16.7
Near Stream	184	7.6
Total	**3256**	**240.3**

The locations of areas selected for intensive archeological sampling within the archeological APE will be made on a judgmental basis in the field under the direction of a Registered Professional Archeologist. Selection of areas for shovel testing, in accordance with the research design presented in Table 3, will prioritize areas where proposed Project components are located in proximity to map-documented structures (MDS) that are depicted on historic maps of the area that were included in the Phase 1A report (see Figure 4).

2.6 Reporting and Delivery of Electronic Data

Results of the Phase 1B archeological survey will be summarized in an illustrated report prepared in accordance with the *New York State Historic Preservation Office (SHPO) Phase 1 Archaeological Report Format Requirements* issued in April 2005. NYSOPRHP Archeological Site Inventory Forms will be prepared for any archeological sites identified during the survey, if necessary. In accordance with the *SHPO Wind Guidelines*, EDR will also provide GPS points for any sites identified during the Phase 1B survey and GIS data locating the boundaries of all archeologically tested areas.

3.0 REFERENCES CITED

EDR Environmental Services, LLC (EDR). 2013a. *Phase 1A Cultural Resources Survey; Copenhagen Wind Farm, Town of Denmark, Lewis County, and Towns of Champion, Rutland, and Watertown, Jefferson County, New York*. Prepared for Copenhagen Wind, LLC. January 2013.

EDR, 2013b. *Draft Environmental Impact Statement for the Copenhagen Wind Farm, Town of Denmark, Lewis County and Towns of Rutland, Champion, and Watertown, Jefferson County, New York.* Prepared by EDR for Copenhagen Wind Farm, LLC. Town of Denmark Planning Board, SEQR Lead Agency. June 4, 2013.

Funk, Robert E. 1993. *Archaeological Investigations in the Upper Susquehanna Valley, New York State*. Volume I. Persimmon Press, Buffalo, NY.

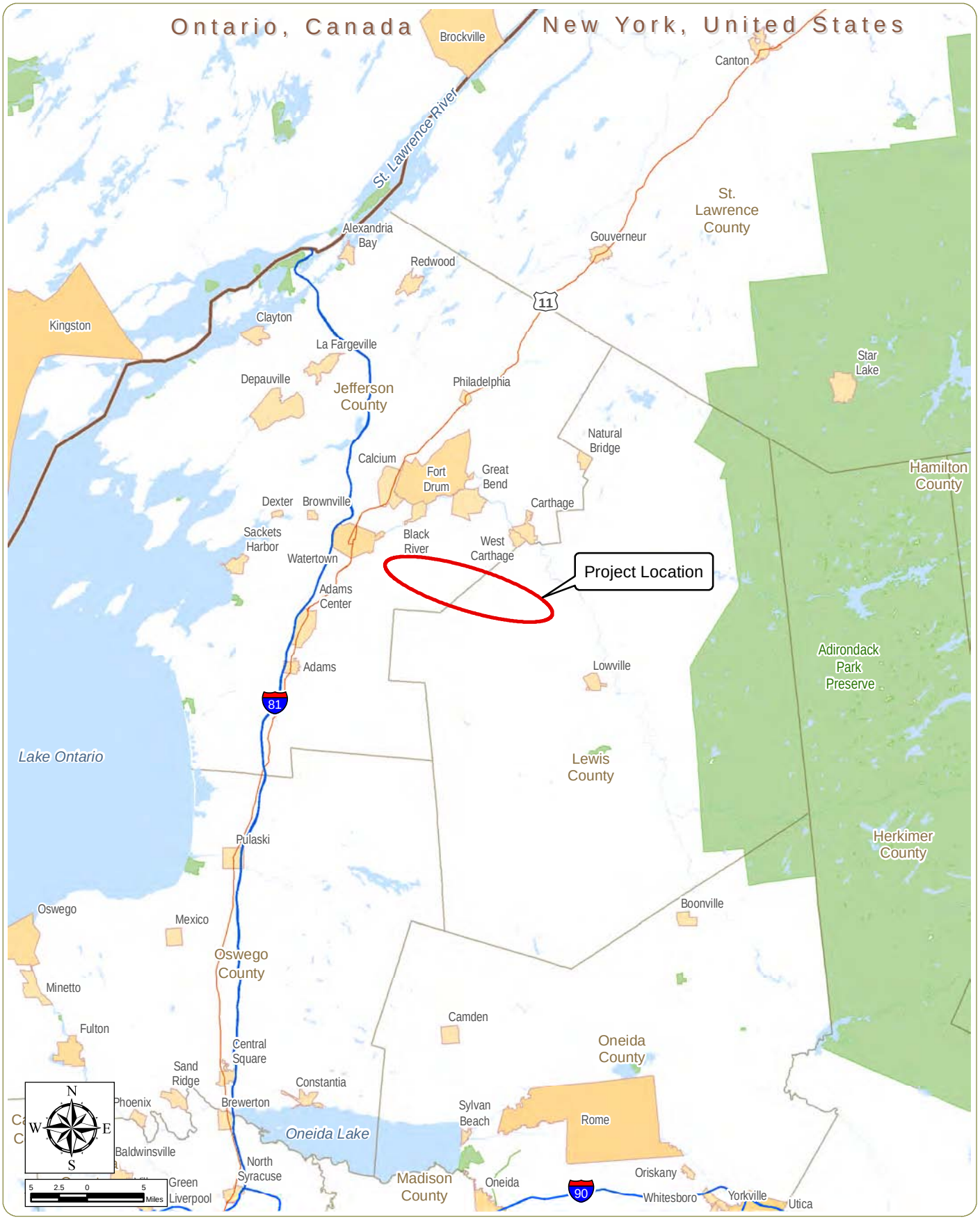
New York Archaeological Council (NYAC). 1994. *Standards for Cultural Resources Investigations and the Curation of Archaeological Collections in New York* State. New York State Office of Parks, Recreation, and Historic Preservation, Waterford, NY.

New York State Office of Parks, Recreation, and Historic Preservation (NYSOPRHP). 2005. *New York State Historic Preservation Office (SHPO) Phase 1 Archaeological Report Format Requirements*. New York State Office of Parks, Recreation, and Historic Preservation, Waterford, NY.

NYSOPRHP. 2006. *New York State Historic Preservation Office Guidelines for Wind Farm Development Cultural Resources Survey Work*. New York State Office of Parks, Recreation, and Historic Preservation, Waterford, NY.

United States Geologic Survey (USGS). 2006. *National Elevation Dataset* [website]. Available at: http://ned.usgs.gov/ (Accessed July 2013).

Figures



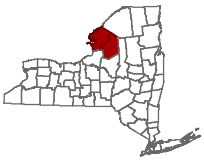
Copenhagen Wind Farm

Town of Denmark - Lewis County, NY and
Towns of Rutland, Champion, and Watertown - Jefferson County, NY

Figure 1: Regional Project Location

August 2013

Notes: Basemap: ESRI Streetmap North America, 2008.



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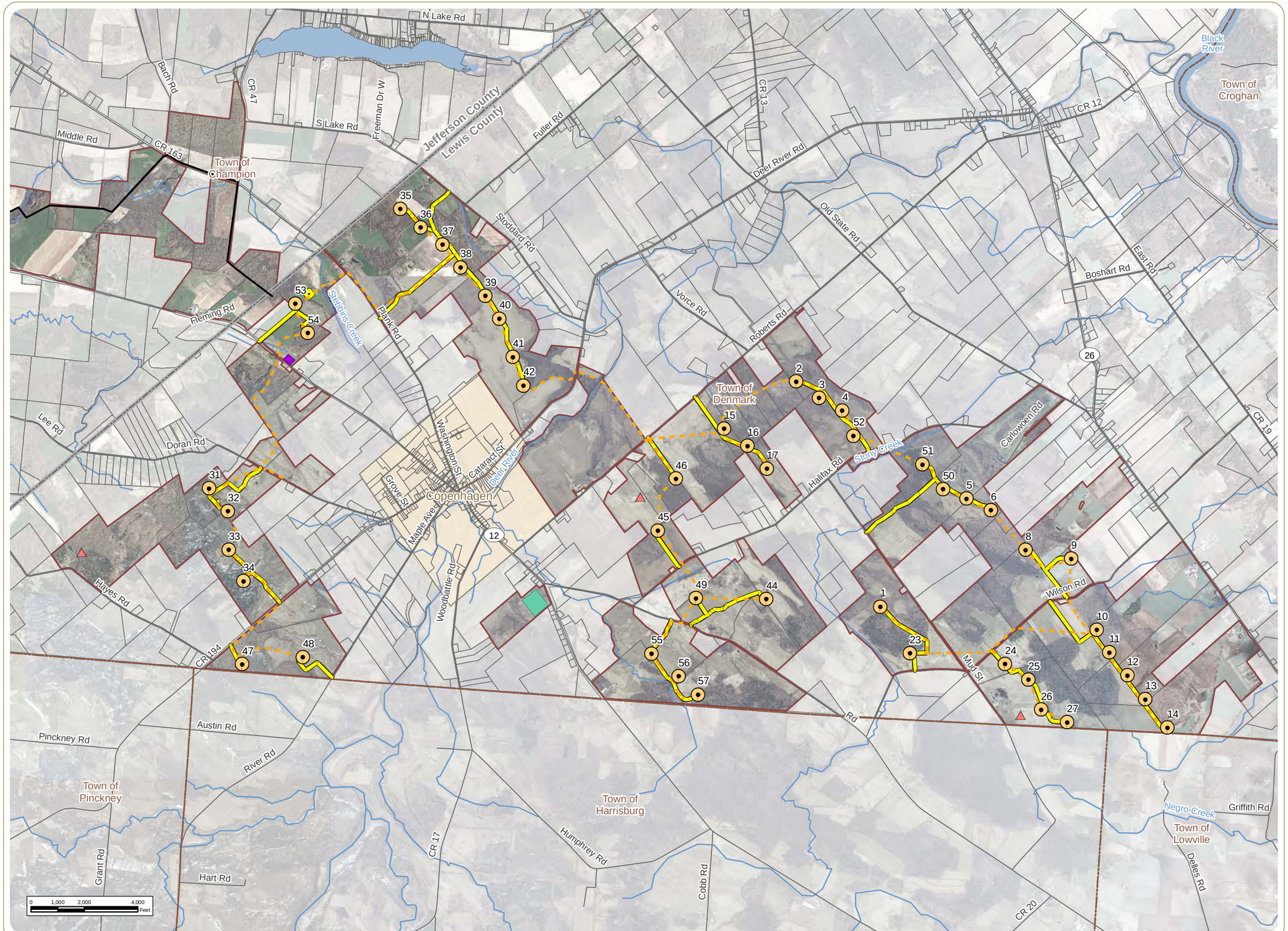

Copenhagen Wind Farm

Town of Denmark, Lewis County and Towns of Rutland, Champion, and Watertown, Jefferson County

Figure 2: Proposed Project Layout

Sheet 1 of 2: Generating Site

August 2013

- Wind Turbine
- Meteorological Tower
- Electrical Interconnect
- Transmission Line
- Access Road
- POI Substation
- Collection Substation
- O&M Building/Laydown Yard
- Project Boundary
- Parcel Boundary
- Town Boundary
- County Boundary

Notes:
Basemap:
2-foot resolution orthoimagery, 2009;
and ESRI StreetMap North America, 2012.

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Copenhagen Wind Farm

Town of Denmark, Lewis County and Towns of Rutland, Champion, and Watertown, Jefferson County

Figure 2: Proposed Project Layout

Sheet 2 of 2: Transmission Site

August 2013

- Wind Turbine
- Meteorological Tower
- Electrical Interconnect
- Transmission Line
- Access Road
- POI Substation
- Collection Substation
- Project Boundary
- Parcel Boundary
- Town Boundary
- County Boundary

Notes:
Basemap:
2-foot resolution orthoimagery, 2009;
and ESRI StreetMap North America, 2012.

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Copenhagen Wind Farm

Town of Denmark, Lewis County and Towns of Rutland, Champion, and Watertown, Jefferson County

Figure 3: Landscape Classification

August 2013

- Wind Turbine
- Meteorological Tower
- Transmission Line
- Buried Interconnect
- Access Road
- POI Substation
- Collection Station
- O&M Building and Laydown Yard
- Project Boundary
- Parcel Boundary
- Town Boundary
- County Boundary

Landscape Classification

- Steep Slope
- Upland near Stream
- Upland near Wetland
- Upland (no water)
- Valley Wall near Stream
- Valley Wall near Wetland
- Valley Wall (no water)

Notes:
Basemap: Hillshade derived from USGS DEM data for Barnes Corners, Black River, Carthage, Copenhagen, Croghan, Deferiet, Lowville, Natural Bridge, New Boston, North Wilna, Rutland Center and West Lowville 7.5-minute quadrangles.

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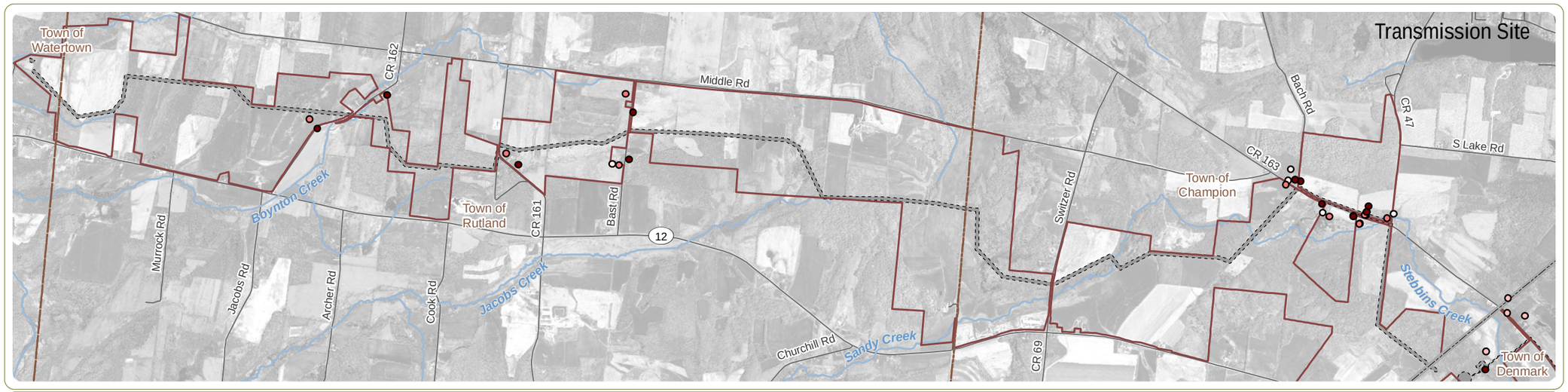

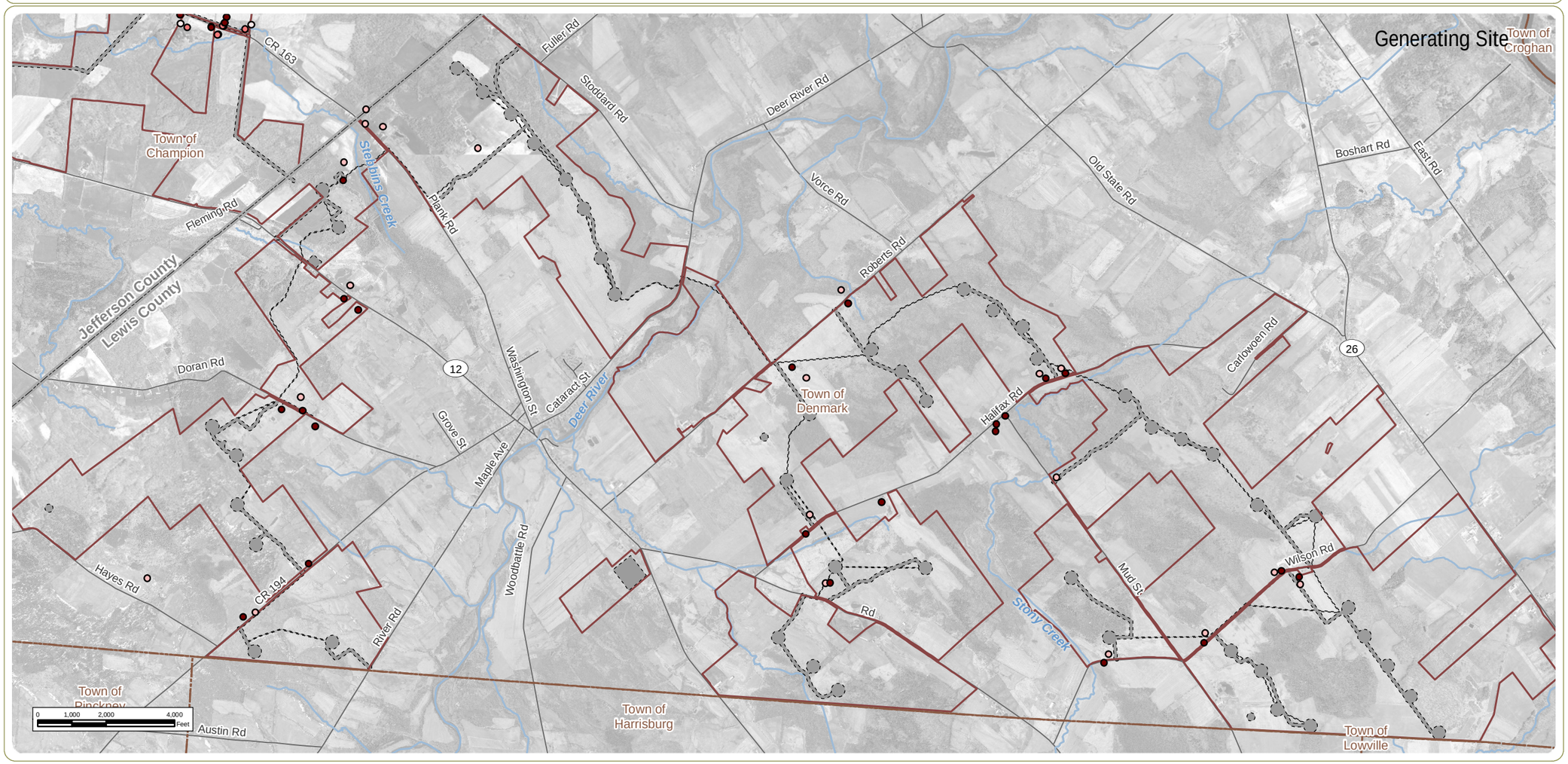

Copenhagen Wind Farm

Town of Denmark, Lewis County and Towns of Rutland, Champion, and Watertown, Jefferson County

Figure 4: Map Documented Structures

August 2013

MDS Location

- 1864 Childs
- 1875 Beers
- 1888 Robinson
- 1904-1909 USGS
- APE
- Project Boundary
- Town Boundary
- County Boundary

Notes:
Basemap: 2-foot resolution orthoimagery, 2009.

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Appendix C

Photographs

PHOTO 1:

Pedestrian survey conditions within (archeological survey) area A1, view to the north.

PHOTO 2:

Pedestrian survey conditions within area A2, with EDR personnel undertaking survey; view to the east.

PHOTO 3:

Shovel test survey conditions within area A4; view to the northeast.

PHOTO 4:

Shovel test survey conditions within area A5; view to the southeast.

PHOTO 5:

Shovel test survey conditions within area A6; view to the east.

PHOTO 6:

Shovel test survey conditions within area A7; view to the north.

PHOTO 7:

Shovel test survey conditions within area A8, with EDR personnel laying in shovel testing grid; view to the south.

PHOTO 8:

Shovel test survey conditions within area A9; view to the northeast.

PHOTO 9:

Shovel test survey conditions within area A10; view to the northeast.

PHOTO 10:

Pedestrian survey conditions within area A11; view to the north.

PHOTO 11:

Pedestrian survey conditions within area B1; view to the north.

PHOTO 12:

Pedestrian survey conditions within areas B2 through B4, with EDR personnel under-taking survey; view to the southeast.

PHOTO 13:

Shovel test survey conditions within area B5; view to the southeast.

PHOTO 14:

Pedestrian survey conditions within area B6; view to the south.

PHOTO 15:

Shovel test survey conditions within area B6, with EDR personnel completing shovel tests in background; view to the south.

PHOTO 16:

Pedestrian survey conditions within area C1, with EDR personnel undertaking survey in background; view to the northwest.

PHOTO 17:

Pedestrian survey conditions within area C2; view to the southeast.

PHOTO 18:

Pedestrian survey conditions within area C3; view to the northwest.

PHOTO 19:

Shovel test survey conditions within areas C4, C5, & C10, with EDR personnel completing shovel tests in background; view to the northwest.

PHOTO 20:

Pedestrian survey conditions within area C6; view to the southeast.

PHOTO 21:

Shovel test survey conditions within area C7; view to the west.

PHOTO 22:

Shovel test survey conditions within area C8; view to the north.

PHOTO 23:

Shovel test survey conditions within area C9; view to the west.

PHOTO 24:

Shovel test survey conditions within area C11, with EDR personnel completing shovel tests in background; view to the northwest.

PHOTO 25:

Shovel test survey conditions within area C12; view to the west.

PHOTO 26:

Shovel test survey conditions within area C13; view to the west.

PHOTO 27:

Shovel test survey conditions within area C14; view to the west.

PHOTO 28:

Shovel test survey conditions within area C15, with EDR personnel completing shovel tests; view to the south.

PHOTO 29:

Shovel test survey conditions within area C16; view to the northeast.

PHOTO 30:

Pedestrian survey conditions within area C17, with EDR personnel undertaking survey; view to the southwest.

PHOTO 31:

Pedestrian survey conditions within area C18; view to the northeast.

PHOTO 32:

Pedestrian survey conditions within area D1, with EDR personnel undertaking survey; view to the southwest.

PHOTO 33:

Pedestrian survey conditions within area D2, with EDR personnel undertaking survey; view to the south.

PHOTO 34:

Pedestrian survey conditions within area D3, with EDR personnel undertaking survey; view to the southeast.

PHOTO 35:

Shovel test survey conditions within area D4; view to the south.

PHOTO 36:

Shovel test survey conditions within area D5; view to the northwest.

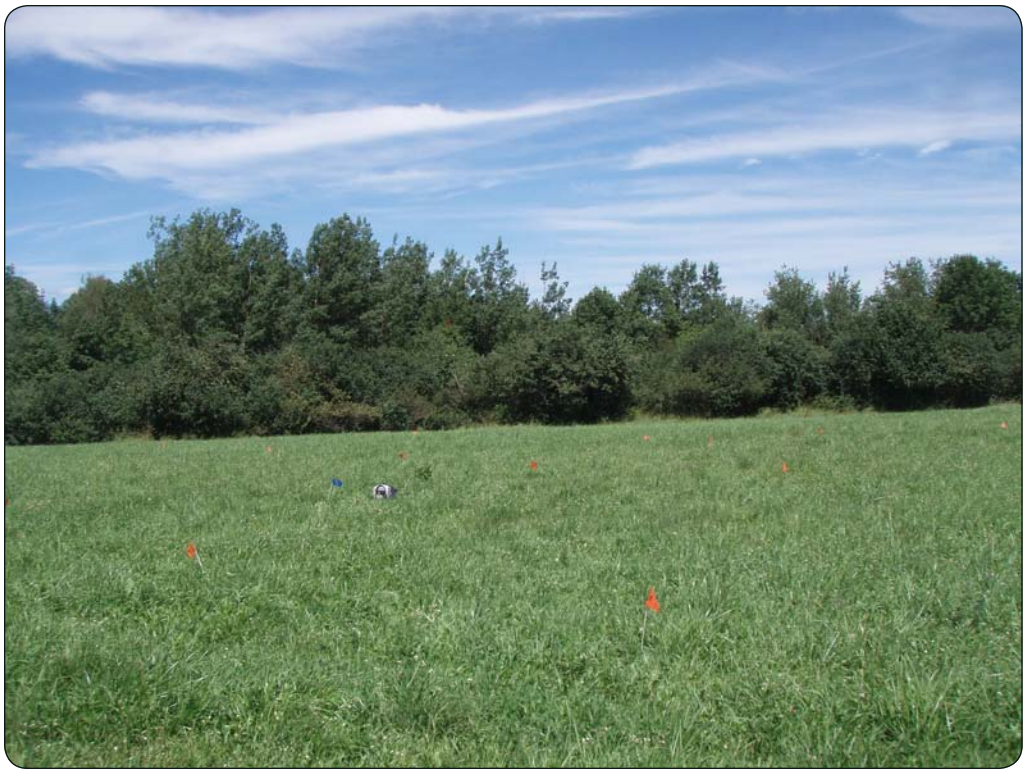

PHOTO 37:

Shovel test survey conditions within area D8; view to the northwest.

PHOTO 38:

Shovel test survey conditions within area D9; view to the northwest.

PHOTO 39:

Shovel test survey conditions within area D10, with EDR personnel completing shovel test; view to the northwest.

PHOTO 40:

Shovel test survey conditions within area D11, with EDR personnel completing shovel tests; view to the east.

PHOTO 41:

Shovel test survey conditions within area D12, with EDR personnel completing shovel tests; view to the west.

PHOTO 42:

Shovel test survey conditions within area D13; view to the northwest.

PHOTO 43:

Shovel test survey conditions within area D14; view to the east.

PHOTO 44:

Shovel test survey conditions within area D15; view to the northwest.

PHOTO 45:

Shovel test survey conditions within area D16; view to the south.

PHOTO 46:

Shovel test survey conditions within area D17, with EDR personnel completing shovel tests in background; view to the northwest.

PHOTO 47:

Shovel test survey conditions within area D18, with EDR personnel completing shovel tests; view to the south.

PHOTO 48:

Shovel test survey conditions within area D19; view to the northwest.

PHOTO 49:

Pedestrian survey conditions within area D20, with EDR personnel collecting artifacts; view to the west.

PHOTO 50:

Pedestrian survey conditions within area E1, with EDR personnel undertaking survey; view to the east.

PHOTO 51:

Shovel test survey conditions within area E2, with EDR personnel completing shovel tests in background; view to the west.

PHOTO 52:

Shovel test survey conditions within area E3; view to the southeast.

PHOTO 53:

Pedestrian survey conditions within area E4; view to the north.

PHOTO 54:

Shovel test survey conditions within area E5; view to the west.

PHOTO 55:

Shovel test survey conditions within area E7, with EDR personnel completing shovel tests; view to the east.

PHOTO 56:

Shovel test survey conditions within area E8, with EDR personnel completing shovel tests; view to the southeast.

PHOTO 57:

Shovel test survey conditions within area E9, with EDR personnel completing shovel tests; view to the west.

PHOTO 58:

Shovel test survey conditions within area E10; view to the west.

PHOTO 59:

Shovel test survey conditions within area E11, with EDR personnel completing shovel tests; view to the east.

PHOTO 60:

Shovel test survey conditions within area E12, with EDR personnel completing shovel tests; view to the east.

PHOTO 61:

Shovel test survey conditions within area E13, with EDR personnel completing shovel tests; view to the east.

PHOTO 62:

Shovel test survey conditions within area E13; view to the west.

PHOTO 63:

Shovel test survey conditions within area E14, with EDR personnel completing shovel tests; view to the west.

PHOTO 64:

Shovel test survey conditions within area E15, with EDR personnel completing shovel tests; view to the west.

PHOTO 65:

Shovel test survey conditions within area E16, with EDR personnel completing shovel tests in background; view to the east.

PHOTO 66:

Shovel test survey conditions within area E17; view to the east.

PHOTO 67:

Shovel test survey conditions within area E18; view to the north.

PHOTO 68:

Shovel test survey conditions within area E19, with EDR personnel completing shovel tests in background; view to the south.

PHOTO 69:

Pedestrian survey conditions within area E20; view to the north.

PHOTO 70:

Shovel test survey conditions within area E21, with EDR personnel completing shovel tests; view to the north.

PHOTO 71:

Pedestrian survey conditions within area E22, with EDR personnel undertaking survey; view to the north.

PHOTO 72:

Shovel test survey conditions within area E23, with EDR personnel completing shovel tests in background; view to the southwest.

PHOTO 73:

Shovel test survey conditions within area E24, with EDR personnel completing shovel tests; view to the southeast.

PHOTO 74:

Shovel test survey conditions within area E25, with EDR personnel completing shovel tests; view to the southeast.

PHOTO 75:

Pedestrian survey conditions within area E26; view to the southeast.

PHOTO 76:

Detail of pre-contact biface axe tool (C1 - SC01).

PHOTO 77:

Sample of stone ware (top row) and ironstone (lower two rows) artifacts recovered from shovel test E2.73.

PHOTO 78:

Sample of diagnostic bottle glass recovered from shovel test E2.73. Clockwise, from upper left: intact amber glass bottle neck; clear patent medicine-type bottle; clear bottle base embossed “McC”; and a blue bottle base.

PHOTO 79:

Shovel test survey conditions within area C16; view to the southwest.

PHOTO 80:

Overview of probable chimney brick fall, with tree stump at Mud Street Historic Site 1; view to the south.

PHOTO 81:

Detail of cast iron stove plate ("Lightning" model), made by the Small Brothers Manufacturing Company of Highford, Vermont.

PHOTO 82:

Dairy cans possibly used in the production of maple syrup at the Mud Street Historic Site 1.

PHOTO 83:

View of southwest corner of house foundation at Halifax Road Historic Site 1.

PHOTO 84:

View of collapsed barn structure at Halifax Road Historic Site 1; view to the northwest.

PHOTO 85:

View of probable house foundation and current conditions at Mud Street Historic Site 2; view to the northwest.

PHOTO 86:

EDR personnel completing shovel tests at Mud Street Historic Site 2; view to the southwest.

PHOTO 87:

Sample of artifacts recovered during the archeological survey of Mud Street Historic Site 2. From top down: HS3.01, HS3.09, HS3.05, and HS3.07.

PHOTO 88:

Cast iron artifact recovered from shovel test HS3.12.

PHOTO 89:

Overview of Wilson Road Historic Site 1, with large piles of fieldstone and rubble at center; view to the north.

PHOTO 90:

View of house foundation at Roberts Road Historic Site 1; view to the east.

PHOTO 91:

View of barn area at Roberts Road Historic Site 1; view to the northeast.

PHOTO 92:

View of stone-lined well with concrete cap at Roberts Road Historic Site 1.

PHOTO 93:

Artifacts recovered from shovel testing in the vicinity of Roberts Road Historic Site 1.

PHOTO 94:

Overview of Wilson Road Historic Site 2; view to the west.

PHOTO 95:

Overview of Wilson Road Historic Site 2; view to the east.

PHOTO 96:

Sample of artifacts recovered during the archeological survey of Wilson Road Historic Site 2, with shoe heel in lower left corner.

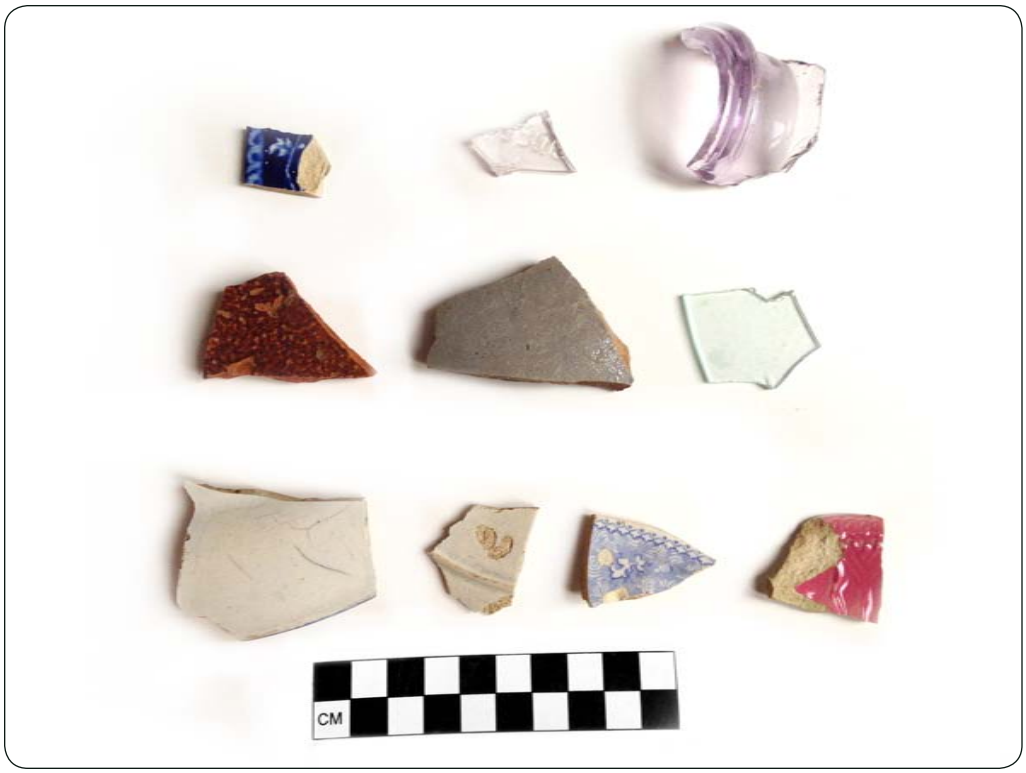

PHOTO 97:

Sample of artifacts recovered during the archeological survey of Wilson Road Historic Site 2, with amethyst glass bottleneck in upper right.

PHOTO 98:

Sample of artifacts recovered during the archeological survey of Wilson Road Historic Site 2, with padlock on left.

PHOTO 99:

Overview of Plank Road Historic Site 1; view to the northeast.

PHOTO 100:

Overview of Plank Road Historic Site 1; view to the southwest.

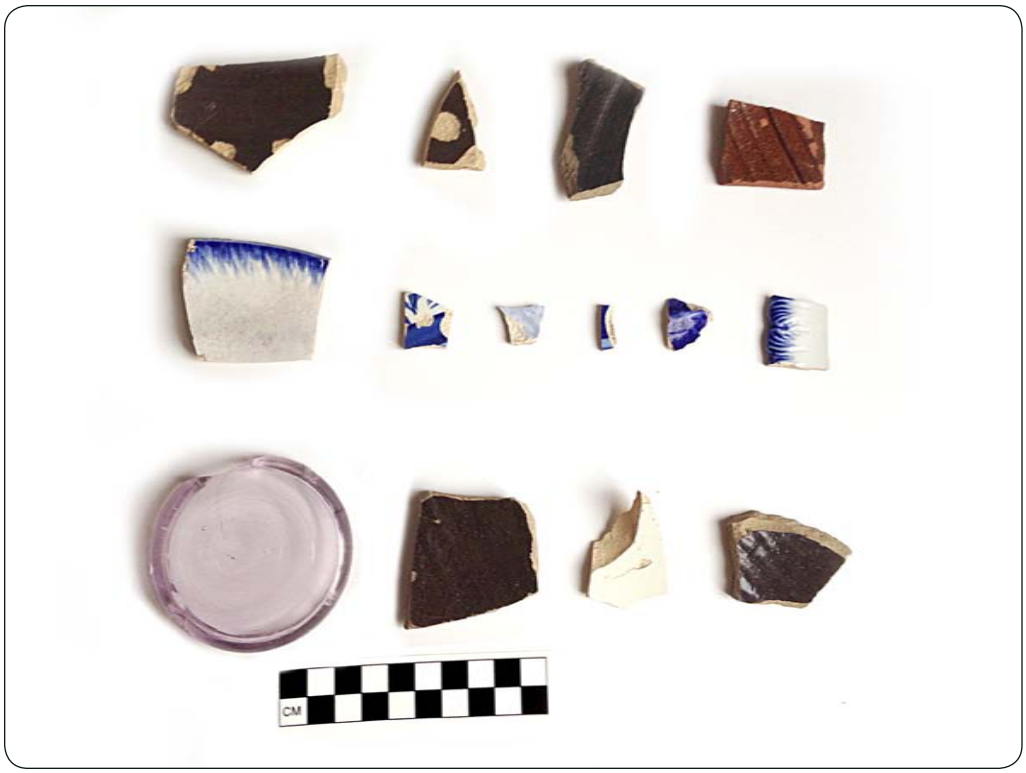

PHOTO 101:

Sample of artifacts recovered during the archeological survey of Plank Road Historic Site 1, with amethyst glass canning jar lid in lower left.

PHOTO 102:

Sample of artifacts recovered during the archeological survey of Plank Road Historic Site 1, with blue transfer print ware fragments in lower row.

PHOTO 103:

Overview of Plank Road Historic Site 2, with probable foundation mound at center-right; view to the south.

PHOTO 104:

Overview of house foundation at Plank Road Historic Site 3t; view to the southeast.

PHOTO 105:

Overview of barn foundation at Plank Road Historic Site 3t; view to the northeast.

PHOTO 106:

Artifacts recovered from shovel testing in the vicinity of Plank Road Historic Site 3.

Appendix D

Selected Shovel Test Stratigraphic Profiles

Shovel Test	Depth (cmbs)	Soil Color	Soil Texture	Comments & Artifacts
Approximate ten percent sample of 3,425 total shovel test profiles, with all positive and historic archeological site shovel test profiles included; see Appendix F for complete artifact inventory				
A4.01	0-27	10YR 4/3	Silty Clay	No Cultural Material (NCM) collected
	27-37	10YR 5/4	Silty Clay Loam	NCM
A4.10	0-22	10YR 4/3	Silty Loam	NCM
	22-32	10YR 5/5	Silty Loam	NCM
A4.20	0-20	10YR 5/3	Silty Loam	NCM
	20-30	10YR 6/3	Silty Clay	NCM
A4.30	0-16	10YR 3/3	Silty Loam	NCM
	16-26	10YR 5/5	Silty Loam	NCM
A4.40	0-21	10YR 3/3	Silty Loam	NCM
	21-31	10YR 5/4	Silty Clay Loam	NCM
A5.01	0-23	10YR 4/4	Silty Loam	NCM
	23-33	7.5YR 5/6	Silty Clay	NCM
A5.10	0-22	10YR 4/3	Silty Clay Loam	NCM
	22-32	10YR 4/5	Silty Clay Loam	NCM
A5.20	0-24	10YR 4/4	Silty Clay Loam	NCM
	24-34	10YR 5/3	Silty Clay Loam	NCM
A5.30	0-25	10YR 4/6	Silty Clay Loam	NCM; evidence of fill soils
	25-35	10YR 5/4	Silty Clay	NCM
A5.40	0-27	10YR 4/3	Silty Clay	NCM
	27-37	10YR 5/6	Silty Clay Loam	NCM
A6.01	0-21	10YR 3/3	Silty Loam	NCM; bedrock refusal
A6.10	0-26	10YR 3/2	Silty Loam	NCM
	26-36	10YR 4/4	Sandy Clay Loam	NCM
A6.20	0-21	10YR 3/3	Silty Clay Loam	NCM
	21-31	10YR 4/0	Silty Clay Loam	NCM
A6.30	0-18	10YR 3/3	Silty Clay Loam	NCM
	18-28	10YR 4/6	Silty Clay Loam	NCM; evidence of fill soils
A6.40	0-18	10YR 3/3	Silty Loam	NCM
	18-28	10YR 3/4	Silty Clay	NCM
A7.01	0-20	10YR 4/6	Silty Clay Loam	NCM; evidence of fill soils
	20-33	10YR 7/6	Silty Loam	NCM
A7.10	0-21	10YR 4/6	Silty Clay Loam	NCM
	21-33	7.5YR 8/8	Silty Clay Loam	NCM
A7.20	0-15	10YR 4/4	Silty Clay Loam	NCM
	15-32	7.5YR 5/8	Silty Clay Loam	NCM
A7.30	0-20	10YR 4/4	Silty Clay Loam	NCM
	20-30	10YR 5/7mottled w/7.5YR 5/7	Silty Clay Loam	NCM
A7.40	0-24	10YR 4/6	Silty Clay Loam	NCM
	24-34	10YR 4/6 mottled w/ 10YR 6/2	Clay Loam	NCM
A8.01	0-30	10YR 4/3	Sandy Loam	NCM
	30-40	10YR 5/4	Sandy Loam	NCM
A8.10	0-30	10YR 3/3	Silty Clay Loam	NCM
	30-40	5YR 6/10	Silty Clay Loam	NCM
A8.20	0-26	10YR 4/4	Silty Loam	NCM
	26-36	10YR 5/6	Sandy Loam	NCM
A8.30	0-27	10YR 4/3	Sandy Loam	NCM
	27-37	10YR 5/4	Sandy Loam	NCM
A8.40	0-35	10YR 3/4	Sandy Clay Loam	NCM

Shovel Test	Depth (cmbs)	Soil Color	Soil Texture	Comments & Artifacts
	35-40	10YR 3/4 and 5/4	Sandy Clay Loam	NCM
A9.01	0-28	10YR 4/3	Clay loam	NCM
	28-38	10YR 8/8	Sandy clay	NCM
A9.10	0-30	10YR 5/4	Clay loam	NCM
	30-40	10YR 8/8	Sandy clay	NCM
A9.20	0-29	10YR 4/3	Clay Loam	NCM
	29-39	10YR 4/4	Sandy Clay	NCM
A9.30	0-30	10YR 3/4	Sandy Loam	NCM
	30-45	10YR 3/4 & 10YR 5/4	Sandy Clay Loam	NCM
A9.40	0-30	10YR 5/4	Silty Loam	NCM
	30-40	10YR 6/6	Silty Loam	NCM
A9.50	0-28	10YR 4/2	Sandy Loam	NCM
	28-38	10YR 4/6	Sandy Loam	NCM
A9.60	0-25	10YR 4/4	Silty Clay Loam	NCM
	25-35	10YR 5/6 & 10YR 7/2	Clay Loam	NCM
A9.70	0-30	10YR 5/4	Silty Loam	NCM
	30-40	10YR 6/6	Silty Clay	NCM
A9.80	0-32	10YR 4/2	Sandy Loam	NCM
	32-42	10YR 6/1	Silty Clay	NCM
A9.90	0-30	10YR 4/4	Silty Loam	NCM
	30-45	10YR 5/6	Silty Clay Loam w/gravels	NCM
A9.100	0-28	10YR 5/4	Silty Loam	NCM
	28-38	10YR 6/6 mottled w/10YR 4/2	Silty Clay w/cobbles	NCM
A9.110	0-28	10YR 4/4	Sandy Loam	NCM
	28-40	10YR 4/6	Clay Loam	NCM
A9.120	0-35	10YR 4/4	Silty Clay Loam	NCM
	35-45	10YR 5/6 & 10YR 8/3	Silty Clay Loam	NCM
A9.130	0-30	10YR 5/4	Silty Loam	NCM
	30-40	10YR 6/6	Silty Clay	NCM
A9.140	0-26	10YR 4/2	Silty Loam	NCM
	26-36	5YR 4/6	Silty Loam	NCM
A9.150	0-27	10YR 4/4	Silty Clay Loam	NCM
	27-37	10YR 5/3 & 10YR 6/8	Silty Clay Loam	NCM
A10.01	0-33	10YR 3/4	Silty Loam	NCM
	33-43	10YR 6/3	Silty Clay w/saprolites	NCM
A10.05	0-32	10YR 3/4	Silty Loam	Whiteware
	32-42	10YR 5/6	Silty Clay	NCM
A10.09	0-27	10YR 3/4	Silty Loam	Whiteware
	27-37	10YR 4/6	Silty Loam	NCM
A10.10	0-30	10YR 5/4	Silty Loam	NCM
	30-40	10YR 5/2	friable shale	NCM
A10.20	0-30	10YR 3/3	Silty Loam	NCM
	30-35	10YR 6/5	Silty Loam	NCM
A10.30	0-27	10YR 3/3	Silty Loam	NCM
	27-37	10YR 6/6	Silty Clay	NCM
A10.40	0-28	10YR 3/3	Silty Loam	NCM
	28-38	10YR 5/6	Silty Clay	NCM
A10.46	0-40	10YR 4/4	Silty Loam	Electrical insulator fragment
	40-50	10YR 6/6	Silty Clay	NCM
A10.50	0-28	10YR 4/4	Silty Loam	NCM
	28-38	10YR 5/6	Silty Loam	NCM

Shovel Test	Depth (cmbs)	Soil Color	Soil Texture	Comments & Artifacts
A10.60	0-30	10YR 4/4	Silty Loam	NCM
	30-40	7.5YR 5/8	Silty Clay	NCM
A10.70	0-38	10YR 4/4	Silty Loam	NCM
	38-48	10YR 6/6	Silty Clay	NCM
A10.72	0-34	10YR 4/4	Silty Loam	Stoneware
	34-44	10YR 6/6	Silty Clay	NCM
A10.80	0-30	10YR 4/4	Silty Loam	NCM
	30-40	10YR 5/7	Silty Clay	NCM
A10.90	0-25	10YR 4/4	Silty Loam	NCM
	25-35	10YR 5/6	Silty Clay	NCM
A10.100	0-35	10YR 4/4	Silty Loam	NCM
	35-45	10YR 4/3	Loamy Sand	NCM
B5.01	0-27	10YR 4/3	Silty Loam	NCM
	27-37	10YR 6/7	Silty Loam	NCM
B5.10	0-61	10YR 4/4	Sandy Clay	NCM; bedrock refusal
B5.20	0-29	10YR 3/3	Silty Loam	NCM
	29-39	10YR 5/6	Sandy Clay	NCM
B5.30	0-38	10YR 3/2	Sandy Loam	NCM
	38-48	10YR 3/4	Sandy Loam	NCM
B6.01	0-27	10YR 3/3	Silty Loam	NCM
	27-37	10YR 6/6	Silty Loam	NCM
B6.10	0-22	10YR 3/2	Silty Loam	NCM
		10YR 7/2	Sandy Loam	NCM; evidence of hydric soils
C4.01	0-26	10YR 3/3	Silty Loam	NCM
	26-40	10YR 4/4	Silty Loam	NCM
C4.10	0-24	10YR 4/3	Silty Clay Loam	NCM; bedrock refusal
C4.20	0-28	10YR 3/3	Silty Loam	NCM
	28-38	10YR 4/4	Silty Loam	NCM
C4.30	0-18	10YR 3/3	Silty Clay Loam	NCM
	18-22	10YR 5/4	Silty Clay Loam	NCM; bedrock refusal
C4.40	0-23	10YR 3/3	Silty Loam	NCM
C5.01	0-20	10YR 3/3	Silty Loam	NCM; bedrock refusal
C5.10	0-24	10YR 3/3	Silty Loam	NCM
	24-34	10YR 4/4	Silty Loam	NCM
C5.20	0-16	10YR 4/4	Silty Loam	NCM
	16-19	10YR 4/4	Silty Loam	NCM; bedrock refusal
C5.30	0-23	10YR 4/3	Silty Loam	NCM
	23-42	10YR 4/4	Silty Loam	NCM
C5.40	10-20	10YR 3/3	Silty Loam	NCM
	20-28	10YR 3/6	Silty Clay Loam	NCM; bedrock refusal
C7.01	0-10	10YR 3/3	Silty Loam	NCM; bedrock refusal
C7.10	0-28	10YR 4/3	Silty Loam	NCM; bedrock refusal
C7.20	0-14	10YR 3/3	Silty Clay Loam	NCM; bedrock refusal
C7.30	0-16	10YR 3/3	Silty Clay Loam	NCM; bedrock refusal
C7.40	0-29	10YR 3/3	Silty Loam	NCM
	29-40	10YR 3/6	Silty Clay Loam	NCM
C8.01	0-17	10YR 3/4	Silty Loam	NCM
	17-36	7.5YR 4/6	Silty Loam	NCM
C8.10	0-16	10YR 3/3	Silty Clay Loam	NCM
	16-26	7.5YR 4/6	Silty Clay Loam	NCM
C8.20	0-17	10YR 4/3	Silty Loam	NCM
	17-27	10YR 5/4	Silty Clay	NCM

Shovel Test	Depth (cmbs)	Soil Color	Soil Texture	Comments & Artifacts
C8.30	0-12	10YR 3/3	Silty Loam w/saprolites	NCM
C8.40	0-15	10YR 3/3	Silty Clay Loam	NCM
	15-25	10YR 5/4	Silty Clay Loam	NCM
C9.01	0-27	10YR 3/2	Silty Loam	NCM
	27-36	10YR 5/6	Sandy Loam	NCM
C9.10	0-23	10YR 3/2	Silty Loam	NCM
	23-33BR	10YR 5/6	Silty Clay Loam	NCM
C9.20	0-15	10YR 3/3	Silty Clay Loam	NCM
	15-23	10YR 5/6 mottled w/10YR 5/7	Silty Clay Loam	NCM; bedrock refusal
C9.24	0-26	10YR 3/2	Silty Loam	Unidentified bottle-type fragment
	26-34	10YR 4/6	Sandy Loam	NCM
	34-43	10YR 6/2	Sandy Loam	NCM
C9.30	0-27	10YR 3/2	Silty Loam	NCM
	27-47	10YR 5/6	Sandy Loam	NCM
C9.40	0-23	10YR 3/3	Silty Loam	NCM
	23-34	10YR 6/6	Silty Clay Loam	NCM; bedrock refusal
C10.01	0-23	10YR 3/4	Silty Loam	NCM
	23-36	10YR 5/5	Silty Clay Loam	NCM
C10.10	0-26	10YR 4/3	Silty Loam w/saprolites	NCM
	26-35	10YR 4/3	Silty Clay Loam	NCM; bedrock refusal
C10.20	0-29	10YR 4/4	Silty Loam	NCM
	29-34	10YR 5/4	Silty Clay Loam	NCM
C10.30	0-21	10YR 3/4	Silty Clay Loam	NCM
	21-32	10YR 5/6	Silty Loam	NCM
C10.40	0-19	10YR 4/4	Silty Loam	NCM
	19-30	10YR 6/5	Silty Clay Loam	NCM; bedrock refusal
C10.50	0-23	10YR 4/4	Silty Loam	NCM
	23-33	10YR 5/5	Silty Clay Loam	NCM
C10.60	0-30	10YR 3/4	Silty Clay Loam	NCM
	30-35	10YR 5/7	Loamy Sand	NCM; bedrock refusal
C10.70	0-19	10YR 3/4	Silty Loam	NCM
	19-28	10YR 5/5	Silty Clay Loam	NCM; bedrock refusal
C10.80	0-20	10YR 4/4	Silty Loam	NCM
	20-24	10YR 5/4	Silty Clay Loam	NCM
C10.90	0-20	10YR 3/4	Silty Loam	NCM
	20-34	10YR 3/4	Silty Clay Loam	NCM
C10.100	0-20	10YR 3/4	Silty Loam	NCM
	20-25	10YR 4/5	Silty Clay Loam	NCM; bedrock refusal
C10.110	0-17 BR	10YR 4/4	Silty Loam	NCM
C10.120	0-40	10YR 3/4	Silty Loam	NCM
	40-45	10YR 4/6	Silty Clay Loam	NCM; bedrock refusal
C11.01	0-27	10YR 3/1	Clay Loam	NCM
	27-30	10YR 4/3	Silty Loam	NCM; bedrock refusal
C11.10	0-30	10YR 3/1	Silty Loam	NCM; bedrock refusal
C11.20	0-31	10YR 2/1	Clay Loam	
	31-33	10YR 3/2	Silty Clay	NCM; bedrock refusal
C11.30	0-30	10YR 2/1	Clay Loam	NCM
	30-34	10YR 3/2	Silty Clay	NCM; bedrock refusal
C11.40	0-27	10YR 3/1	Clay Loam	NCM
	27-37	10YR 4/3	Clay Loam	NCM
C11.50	0-44	10YR 3/2	Silty Clay Loam	NCM

Shovel Test	Depth (cmbs)	Soil Color	Soil Texture	Comments & Artifacts
	44-54	10YR 4/4	Sandy Loam	NCM
C11.60	0-35	10YR 3/3	Silty Loam	NCM
	35-37	10YR 6/4	Silty Loam	NCM; bedrock refusal
C11.70	0-28	10YR 3/2	Clay Loam	NCM
	28-38	10YR 4/3	Clay Loam	NCM
C11.80	0-30	10YR 3/2	Silty Loam	NCM
	30-40	10YR 6/6	Sandy Loam	NCM
C11.90	0-28	10YR 3/2	Silty Loam	NCM
	28-38	10YR 6/8	Clay Loam	NCM
C11.100	0-27	10YR 3/2	Clay Loam	NCM
	27-31	10YR 2/1	Clay Loam	NCM
C11.110	0-30	10YR 3/2	Sandy Loam	NCM
	30-40	10YR 5/5	Silty Loam	NCM
C11.120	0-30	10YR 3/2	Silty Loam	NCM
	30-40	10YR 6/8	Clay Loam	NCM
C12.01	0-26	10YR 3/2	Clay Loam	NCM; bedrock refusal
C12.10	0-25	10YR 3/2	Silty Loam	NCM
	25-35	10YR 5/6	Clay Loam	NCM
C12.20	0-20	10YR 3/2	Silty Loam	NCM; bedrock refusal
C12.30	0-17	10YR 3/2	Sandy Loam	NCM; bedrock refusal
C12.40	0-30	10YR 3/2	Silty Loam	NCM
	30-32	10YR 5/6	Silty Loam	NCM
C13.01	0-27	10YR 3/2	Clay Loam	NCM
	27-37	7.5YR 4/4	Clay Loam	NCM
C13.10	0-27	10YR 4/4	Silty Loam	NCM
	27-59	10YR 5/6	Silt	NCM
C13.20	0-20	10YR 4/4	Silty Loam	NCM
	20-30	10YR 5/6	Sandy Loam	NCM
C13.30	0-25	10YR 3/3	Sandy Loam	NCM
	25-33	10YR 4/6	Sandy Loam	NCM
C13.40	0-26	10YR 3/4	Silty Loam	NCM
	26-37	10YR 6/8	Sandy Loam	NCM
C14.01	0-5	10YR 5/2	Sandy Loam	NCM
	5-43	10YR 6/6	Sandy Loam	NCM
C14.10	0-26	10YR 4/3	Sandy Loam	NCM
	26-36	7.5YR 5/7	Sandy Loam	NCM
C14.20	0-12	10YR 3/3	Silty Loam	NCM
	12-30	10YR 5/6	Silty Loam	NCM
C14.30	0-41	10YR 4/3	Sandy Loam	NCM; tree root imapsse
C14.40	0-22	10YR 5/2	Silty Loam	NCM
	22-35	7.5YR 4/4	Silty Loam	NCM
C14.50	0-25	10YR 3/4	Sandy Loam	NCM
	25-35	7.5YR 5/6	Sandy Loam	NCM
C14.60	0-25	10YR 4/2	Silty Loam	NCM
	25-35	7.5YR 4/4	Silty Loam	NCM
C15.01	0-19	10YR 3/3	Clay Loam	NCM; bedrock refusal
C15.10	0-27	10YR 3/3	Sandy Loam	NCM; bedrock refusal
C15.20	0-15	10YR 5/4	Silty Loam	NCM; bedrock refusal
C15.30	0-25	10YR 5/4	Silty Loam	NCM; bedrock refusal
C16.01	0-37	10YR 3/1	Silty Clay	NCM
	37-47	10YR 4/6	Silty Clay	NCM
C16.10	0-30	10YR 2/1	Clay Loam	NCM

Shovel Test	Depth (cmbs)	Soil Color	Soil Texture	Comments & Artifacts
	30-40	10YR 5/4	Sandy Loam	NCM
C16.20	0-23	10YR 2/1	Silty Clay Loam	NCM; bedrock refusal
C16.30	0-25	10YR 3/4	Silty Clay Loam	NCM
	25-35	10YR 5/7	Clay Loam	NCM
C16.40	0-37	10YR 3/2	Silty Clay Loam	NCM
	37-47	10YR 7/2	Silty Loam	NCM
C16.50	0-30	10YR 3/1 & 10YR 5/6	Silty Clay Loam	NCM
	30-40	10YR 5/7	Silty Clay Loam	NCM
C16.60	0-42	10YR 3/2	Silty Loam	NCM
	42-52	10YR 4/6	Silty Clay Loam	NCM
D4.01	0-8	10YR 4/3	Silty Clay Loam	NCM
	8-36	7.5YR 5/6	Silty Clay Loam	NCM
	36-46	10YR 5/3	Silty Clay Loam	NCM
D4.10	0-11	10YR 5/3	Silty Loam	NCM
	11-30	7.5YR 5/8	Silty Clay Loam	NCM
D4.20	0-5	10YR 3/2	Silty Loam	NCM
	5-27	7.5YR 5/8	Silty Clay Loam	NCM
D4.30	0-7	10YR 5/3	Silty Loam	NCM
	7-21	7.5YR 5/8	Silty Clay Loam	NCM
D4.40	0-7	10YR 3/3	Silty Loam	NCM
	7-21	10YR 4/6	Silty Loam	NCM
	21-31	10YR 6/6	Silty Loam	NCM
D5.01	0-20	10YR 4/3	Silty Clay Loam	NCM
	20-30	10YR 5/5	Silty Clay Loam	NCM
D5.10	0-23	10YR 4/4	Silty Loam	NCM
	23-33	7.5YR 5/6	Silty Clay	NCM
D5.20	0-18	10YR 4/4	Silty Loam	NCM
	18-28	10YR 5/6	Silty Clay Loam	NCM
D5.30	0-25	10YR 4/4	Silty Loam	NCM
	25-35	10YR 4/6	Silty Loam	NCM
D5.40	0-28	10YR 4/3	Silty Clay Loam	NCM
	28-38	7.5YR 4/6	Silty Clay Loam	NCM
D8.01	0-42	10YR 4/3	Silty Loam	NCM; bedrock refusal
D8.10	0-13	10YR 4/3	Silty Clay Loam	NCM; bedrock refusal
D8.20	0-14	10YR 3/4	Silty Loam	NCM; bedrock refusal
D8.30	0-24	10YR 4/3	Silty Clay Loam	NCM; bedrock refusal
D8.40	0-29	10YR 4/3	Silty Loam	NCM
	29-39	10YR 5/6	Silty Clay Loam	NCM
D9.01	0-29	10YR 3/4	Silty Loam	NCM; bedrock refusal
D9.10	0-27	10YR 4/3	Silty Clay Loam	NCM; bedrock refusal
D9.20	0-19	10YR 4/3	Silty Loam	NCM; bedrock refusal
D9.30	0-3	10YR 4/3	Silty Clay Loam	NCM; bedrock refusal
D9.40	0-8	10YR 4/3	Silty Loam	NCM; bedrock refusal
D10.01	0-23	10YR 4/3	Silty Clay Loam	NCM; bedrock refusal
D10.10	0-31	10YR 4/3	Silty Loam	NCM
	31-41	10YR 5/4	Silty Clay Loam	NCM
D10.20	0-30	10YR 3/4	Silty Loam	NCM; bedrock refusal
D10.30	0-17	10YR 4/3	Silty Clay Loam	NCM; bedrock refusal
D10.40	0-31	10YR 3/4	Silty Loam	NCM; bedrock refusal
D11.01	0-30	10YR 3/3	Silty Loam	NCM
	30-40	7.5YR 4/4	Silty Loam w/gravels	NCM
D11.15	0-20	10YR 3/2	Silty Loam	Whiteware

Shovel Test	Depth (cmbs)	Soil Color	Soil Texture	Comments & Artifacts
	20-24	10YR 2/1	Silty Loam	NCM
	24-28	10YR 7/2	Sandy Loam	NCM
	28-45	10YR 3/4	Silty Loam	NCM
D11.18	0-26	10YR 3/2	Silty Loam	Flat glass
	26-43	7.5YR 4/4	Silty Loam	NCM
D11.20	0-27	10YR 3/2	Silty Loam	NCM
	27-46	7.5YR 4/4	Silty Loam	NCM
D11.30	0-26	10YR 3/3	Silty Loam	NCM
	26-36	10YR 4/6& 10YR 6/2	Sandy Loam	NCM
D11.40	0-24	10YR 3/2	Silty Loam	NCM
	24-41	7.5YR 4/4	Sandy Loam	NCM
D12.01	0-23	10YR 3/2	Silty Loam	NCM
	23-33	10YR 5/6	Sandy Loamlty Loam	NCM
D12.10	0-30	10YR 3/2	Silty Clay Loam	NCM
	30-40	10YR 4/6	Loamy Sand	NCM
D12.20	0-27	10YR 3/1	Silty Clay	NCM
	27-37	10YR 6/4 & 10YR 5/6	Silty Clay	NCM
D12.28	0-24	10YR 3/2	Silty Clay Loam	Unidentified bottle-type fragment
	24-34	10YR 4/5	Silt Loam	NCM
	34-44	7.5YR 4/6	Sandy Loam	NCM
D12.30	0-40	10YR 3/2	Silty Clay	NCM
	40-50	10YR 4/6	Silty Clay	NCM
D12.40	0-25	10YR 3/2	Silty Clay Loam	NCM
	25-35	10YR 5/6	Sandy Loam	NCM
D12.50	0-30	10YR 3/3	Silty Clay	NCM
	30-40	10YR 6/6 mottled w/ 10YR 5/8 & 10YR 6/3	Sandy Loam	NCM
D12.60	0-10	10YR 3/2	Silty Clay Loam	NCM
	10-20	10YR 3/2	Silty Clay Loam	NCM
D12.70	0-21	10YR 3/2	Silty Clay Loam	NCM
	21-35	10YR 5/6	Sandy Loam	NCM
D13.01	0-35	10YR 4/2	Silty Clay Loam	NCM
	35-37	10YR 7/6	Silty Loam	NCM
D13.10	0-27	10YR 4/2	Silty Clay Loam	NCM
	27-41	10YR 7/6	Silty Loam	NCM
D13.20	0-23	10YR 3/2	Silty Clay Loam	NCM
	23-33	10YR 5/6	Silty Loam	NCM
D13.30	0-15	10YR 3/3	Silty Clay Loam	NCM
	15-20	10YR 3/7	Sandy Loam	NCM
D13.30	20-30	10YR 5/7	Sandy Loam	NCM
D13.40	0-24	10YR 3/2	Silty Clay	NCM
	24-36	10YR 6/6	Sandy Loam	NCM
D13.50	0-25	10YR 3/2	Clay Loam	NCM
	25-35	10YR 6/3 & 10YR 5/6	Silty Clay	NCM
D13.60	0-20	10YR 3/3	Silty Clay Loam	NCM
	20-33	10YR 5/6	Sandy Loam	NCM
D13.70	0-40	10YR 3/3	Silty Clay Loam	NCM
	40-48	10YR 4/6	Sandy Loam	NCM
D13.80	0-26	10YR 3/3	Silty Loam	NCM
	26-36	7.5YR 4/4	Silty Clay	NCM
D13.90	0-25	10YR 3/3	Silty Clay Loam	NCM
	25-40	10YR 4/4	Silty Clay Loam	NCM

Shovel Test	Depth (cmbs)	Soil Color	Soil Texture	Comments & Artifacts
	40-45	10YR 5/6	Sandy Loam	NCM; bedrock refusal
D13.100	0-24	10YR 4/4	Silty Clay	NCM
	24-37	10YR 7/2	Loamy Sand	NCM
D13.110	0-30	10YR 3/3	Silty Loam	NCM
	30-40	10YR 5/4	Silty Clay	NCM
D13.120	0-27	10YR 3/3	Silty Clay Loam	NCM
	27-37	10YR 5/6	Sandy Loam	NCM
D13.130	0-42	10YR 3/3	Silty Clay Loam	NCM
	42-61	10YR 6/3	Sandy Clay Loam	NCM
D13.140	0-37	10YR 3/3	Silty Clay Loam	Wire staple
	37-51	10YR 6/4	Silty Loam	NCM
D13.141	0-20	10YR 3/3	Silty Clay Loam	Unidentified hardware, Wire fence segment
	20-30	10YR 3/4	Silty Clay Loam	NCM
	30-40	10YR 5/6	Silty Clay Loam	NCM
D13.145	0-37	10YR 3/3	Silty Loam	Flat glass
	37-48	10YR 6/6	Silty Sandy Loam	NCM
D13.150	0-30	10YR 3/3	Silty Clay Loam	NCM
	30-40	10YR 5/6	Sandy Loam	NCM
D14.01	0-10	10YR 3/2	Silt	NCM
	10-34	10YR 5/3	Silt	NCM
	34-50	10YR 5/6	Silt	NCM
D14.10	0-32	10YR 3/2	Silty Loam	NCM
	32-42	10YR 6/6	Silty Loam	NCM
	42-52	10YR 7/2	Silty Loam	NCM
D14.20	0-15	10YR 2/1	Silty Loam	NCM
	15-25	10YR 4/4	Silty Loam	NCM
	25-35	10YR 5/7	Silty Loam	NCM
D14.30	0-36	10YR 3/3	Silty Clay	NCM
	36-46	10YR 6/6	Silt	NCM
D14.40	0-25	10YR 2/1	Silty Loam	NCM
	25-35	10YR 6/4	Sandy Loam	NCM
D15.01	0-20	10YR 4/4	Sandy Loam	NCM
	20-33	10YR 5/6	Silty Loam	NCM
D15.10	0-15	10YR 4/4	Silty Loam	NCM; bedrock refusal
D15.20	0-15	10YR 4/4	Silty Loam	NCM
	15-20	10YR 6/8	Silty Clay	NCM
D15.30	0-20	10YR 4/4	Silty Loam	NCM
	20-30	10YR 5/7	Silt	NCM
D15.40	0-30	10YR 4/4	Silty Loam	NCM
	30-35	10YR 6/8	Silt	NCM; bedrock/dense cobbles refusal
D15.50	0-18	10YR 4/4	Silty Loam	NCM
	18-28	10YR 6/8	Silt	NCM
D15.60	0-20	10YR 5/4	Silty Loam	NCM
	20-30	10YR 5/8	Sandy Loam	NCM
D15.70	0-30	10YR 4/4	Silty Loam	NCM; bedrock refusal
D15.80	0-28	10YR 4/4	Silty Loam	NCM
	28-38	10YR 5/8	Silt	NCM
D15.90	0-25	10YR 4/4	Silty Loam	NCM
	25-35	10YR 6/8	Silt	NCM
D15.100	0-20	10YR 4/4	Silty Loam	NCM
	20-22	10YR 6/8	Silt	NCM; bedrock refusal
D16.01	0-21	10YR 4/2	Silty Loam	NCM

Shovel Test	Depth (cmbs)	Soil Color	Soil Texture	Comments & Artifacts
	21-26	10YR 5/6	Silty Loam	NCM;
D16.10	0-15	10YR 3/4	Silty Loam	NCM
	15-20	10YR 6/8	Silty Loam	NCM; bedrock refusal
D16.20	0-14	10YR 3/2	Sandy Loam	NCM; bedrock refusal
D16.30	0-33	10YR 3/2	Silty Loam	NCM; bedrock refusal
D16.40	0-20	10YR 4/4	Silty Loam	NCM
	20-30	10YR 6/4	Silt	NCM
D17.01	0-17	10YR 4/3	Sandy Loam	NCM
	17-27	10YR 4/4	Sandy Loam	NCM
D17.10	0-27	10YR 3/3	Clay Loam	NCM
	27-37	10YR 4/6	Silty Loam	NCM
D17.20	0-28	10YR 4/4	Silty Loam	NCM
	28-38	10YR 6/6	Silty Clay Loam	NCM
D17.30	0-25	10YR 4/4	Silty Loam w/cobbles	NCM
	25-35	10YR 5/6	Silty Loam	NCM
D17.40	0-30	10YR 4/2	Sandy Loam	NCM
	30-39	10YR 6/2 & 10YR 5/6	Sandy Loam	NCM; bedrock refusal
D17.50	0-29	10YR 4/4	Silty Loam	NCM
	29-39	10YR 5/4	Loamy Sand	NCM
D17.60	0-29	10YR 4/4	Silty Loam	NCM
	29-39	10YR 5/6	Loamy Sand	NCM
D17.70	0-27	10YR 4/3	Sandy Loam	NCM
	27-37	10YR 5/6	Sandy Loam	NCM
D17.80	0-15	10YR 4/4	Silty Loam w/cobbles	NCM; bedrock refusal
D17.90	0-19	10YR 4/4	Silty Loam w/compact cobbles	NCM
D17.100	0-37	10YR 3/3	Sandy Loam	NCM; bedrock refusal
D17.110	0-18	10YR 4/4	Loamy Sand	NCM; bedrock refusal
D17.120	0-20	10YR 4/4	Silty Loam	NCM
	20-23	10YR 6/6	Loamy Sand	NCM; bedrock refusal
D18.01	0-28	10YR 3/2	Silty Loam	NCM
	28-38	5YR 5/8	Silty Loam	NCM
D18.10	0-30	10YR 3/2	Silty Loam	NCM
	30-40	10YR 5/8	Loamy Sand	NCM
D18.20	0-10	10YR 3/3	Loamy Sand	NCM
	10-30	10YR 5/8	Loamy Sand	NCM
D19.01	0-15	10YR 3/2	Loamy Sand	NCM
	15-30	10YR 5/4	Loamy Sand	NCM
D19.10	0-15	10YR 3/4	Loamy Sand	NCM
	15-30	10YR 6/8	Loamy Sand	NCM
D19.20	0-10	10YR 3/3	Silty Loam	NCM
	10-20	10YR 5/8	Silt	NCM
D19.30	0-10	10YR 2/3	Silty Loam	NCM
	10-25	10YR 6/8	Silty Loam	NCM
D19.40	0-30	10YR 3/3	Silty Loam	NCM
	30-40	10YR 5/8	Silty Loam	NCM
D19.50	0-10	10YR 3/2	Silty Loam	NCM
	10-25	10YR 6/8	Silty Loam	NCM
D19.60	0-35	10YR 4/4	Silty Loam	NCM
	35-45	10YR 5/8	Silty Loam	NCM
D19.70	0-15	10YR 3/2	Silty Loam	NCM
	15-30	10YR 6/8	Silty Loam	NCM
D19.80	0-28	10YR 4/4	Silty Loam	NCM

Shovel Test	Depth (cmbs)	Soil Color	Soil Texture	Comments & Artifacts
	28-38	10YR 5/8	Silty Loam	NCM
D19.90	0-10	10YR 3/2	Silty Loam	NCM
	10-30	10YR 4/4	Silty Loam	NCM
	30-40	10YR 6/8	Silty Loam	NCM
D19.100	0-24	10YR 4/4	Silty Loam	NCM
	24-34	5YR 5/8	Silty Loam	NCM
D20.01	0-34	10YR 3/2	Silty Loam	NCM
	34-44	10YR 4/6	Silty Loam	NCM
E2.01	0-10	10YR 2/1	Silty Loam	NCM
	10-25	10YR 4/4	Silty Loam	NCM
	25-35	10YR 5/4	Silty Loam	NCM
E2.10	0-27	10YR 3/2	Silty Loam	NCM
	27-37	10YR 4/4	Silty Clay Loam	NCM
E2.20	0-32	10YR 3/2	Silty Loam	NCM
	32-42	10YR 5/6	Silty Loam	NCM
E2.30	0-22	10YR 3/2	Silty Loam	NCM
	22-32	10YR 3/6	Silty Loam	NCM
E2.40	0-15	10YR 2/2	Silty Loam	NCM
	15-30	10YR 4/4	Loamy Sand	NCM
E2.50	0-32	10YR 3/2	Silty Loam	NCM
	32-42	10YR 5/6	Silty Loam	NCM
E2.60	0-25	10YR 3/3	Silty Loam	NCM
	25-37	10YR 3/5	Silty Loam	NCM
E2.70	0-20	10YR 2/1	Silty Loam	NCM
	20-30	10YR 5/6	Silty Clay Loam	NCM
E2.73	0-19	10YR 3/2	Sandy Loam	20 types of late 19th/early 20th century historic material (115 count) (see Appendix F for details)
	19-30	10YR 5/8	Loamy Sand	NCM
E2.80	0-27	10YR 7/4	Silty Loam	NCM
	27-37	10YR 5/6	Silty Loam	NCM
E2.90	0-18	10YR 4/2	Silty Loam	NCM
	18-28	10YR 5/8	Silty Loam	NCM
E2.100	0-20	10YR 2/2	Silty Loam	NCM
	20-30	10YR 5/6	Silty Loam	NCM
E2.110	0-36	10YR 2/1	Silty Loam	NCM; dense cobbles refusal
E2.120	0-38	10YR 2/1	Clay Loam	NCM
	38-48	10YR 5/6	Clay Loam	NCM
E3.01	0-35	10YR 2/1	Silty Loam	NCM
	35-45	10YR 5/7	Clay Loam	NCM
E3.10	0-34	10YR 2/1	Silty Loam	NCM
	34-44	10YR 5/6	Sandy Loam	NCM
E3.20	0-30	10YR 4/4	Silty Loam	NCM
	30-40	10YR 6/6	Loamy Sand	NCM
E3.30	0-26	10YR 3/2	Clay Loam w/gravels, cobbles	NCM
	26-36	10YR 5/4	Silty Clay	NCM
E3.40	0-28	10YR 2/1	Silty Loam	NCM
	28-38	10YR 5/7	Loamy Sand	NCM
E3.50	0-23	10YR 4/4	Silty Loam	NCM
	23-33	10YR 5/6	Loamy Sand	NCM
E3.60	0-23	10YR 2/1	Clay Loam	NCM; dense cobbles/gravels refusal
E3.70	0-23	10YR 3/2	Silty Loam	NCM; dense cobbles refusal
E3.80	0-10	10YR 4/4	Silty Loam	NCM; root imapsse

Shovel Test	Depth (cmbs)	Soil Color	Soil Texture	Comments & Artifacts
E3.90	0-28	10YR 4/4	Silty Loam w/gravels	NCM
	28-38	10YR 5/6	Loamy Sand w/cobbles	NCM; dense tree roots
E3.100	0-20	10YR 3/3	Silty Loam	NCM; dense cobbles refusal
E3.110	0-10	10YR 4/4	Silty Loam	NCM
	10-15	10YR 5/6	Loamy Sand	NCM; root imapsse
E3.120	0-28	10YR 3/2	Clay Loam	NCM
	28-38	10YR 5/4	Silty Clay	NCM
E3.130	0-25	10YR 2/1	Silty Loam	NCM
	25-35	10YR 4/4	Silty Loam	NCM
E3.140	0-28	10YR 4/4	Silty Loam	NCM
	28-38	10YR 6/6	Silty Loam	NCM
E3.150	0-25	10YR 3/2	Silty Loam	NCM
	25-35	10YR 6/6	Clay Loam	NCM
E5.01	0-10	10YR 2/1	Silty Loam	NCM
	10-18	10YR 4/4	Silty Loam	NCM; tree root imapsse
E5.10	0-15	10YR 3/3	Silty Loam	NCM
	15-25	10YR 4/4	Silty Loam	NCM
E5.20	0-25	10YR 4/4	Silty Loam	NCM
	25-35	10YR 5/6	Loamy Sand	NCM
E5.30	0-22	10YR 3/3	Sandy Loam	NCM
	22-32	10YR 4/6	Sandy Loam	NCM
E5.40	0-15	10YR 2/2	Silty Loam	NCM
	15-25	10YR 5/4	Silty Loam	NCM
E5.50	0-19	10YR 4/4	Silty Loam	NCM
	19-31	10YR 5/6	Loamy Sand	NCM
E5.60	0-29	10YR 3/3	Sandy Loam	NCM
	29-41	10YR 4/6	Sandy Loam	NCM
E5.70	0-44	10YR 2/2	Silty Loam	NCM
	44-45	10YR 4/4	Silty Loam	NCM
E5.80	0-20	10YR 4/4	Sandy Loam	NCM
	20-30	10YR 5/6	Loamy Sand	NCM
E5.90	0-27	10YR 3/1	Sandy Loam	NCM
	27-37	10YR 4/6	Silty Loam	NCM
E5.100	0-12	10YR 2/2	Silty Loam	NCM
	12-22	10YR 5/6	Silty Loam	NCM
E5.110	0-19	10YR 4/4	Silty Loam	NCM
	19-29	10YR 5/6	Loamy Sand	NCM
E5.120	0-16	10YR 3/2	Silty Loam	NCM
	16-28	10YR 4/6	Loamy Sand	NCM
E7.01	0-19	10YR 3/2	Sandy Loam	NCM
	19-32	10YR 5/6	Sandy Loam	NCM
E7.10	0-23	10YR 3/2	Sandy Loam	NCM
	23-33	10YR 5/6	Loamy Sand	NCM
E8.01	0-25	10YR 4/4	Silty Loam	NCM
	25-35	10YR 5/8	Loamy Sand	NCM
E8.10	0-20	10YR 3/2	Silty Loam	NCM
	20-30	10YR 5/6	Loamy Sand	NCM
E9.01	0-24	10YR 3/2	Silty Loam	NCM
	24-34	10YR 4/6	Silty Loam	NCM
E9.10	0-16	10YR 3/3	Silty Loam	NCM
	16-26	10YR 5/6	Silty Loam	NCM
E9.20	0-20	10YR 4/4	Silty Loam w/gravels	NCM

Shovel Test	Depth (cmbs)	Soil Color	Soil Texture	Comments & Artifacts
	20-30	10YR 5/6	Loamy Sand	NCM
E9.30	0-22	10YR 2/3	Silty Loam	NCM
	22-32	10YR 3/4	Loamy Sand	NCM
E10.01	0-21	10YR 4/4	Silty Loam	NCM
	21-31	10YR 3/2	Silty Loam w/gravels	NCM
E10.10	0-26	10YR 3/2	Silty Loam	NCM
	26-38	10YR 5/6	Silty Loam w/gravels	NCM
E10.20	0-30	10YR 3/2	Silty Loam w/gravels	NCM
	30-40	10YR 5/4	Silty Loam w/gravels	NCM
E10.30	0-29	10YR 3/3	Silty Loam	NCM
	29-39	10YR 5/6	Silty Loam	NCM
E10.40	0-22	10YR 3/2	Silty Loam	NCM
	22-32	10YR 5/6	Silty Loam w/gravels	NCM
E10.50	0-20	10YR 3/2	Silty Loam w/gravels	NCM
	20-30	10YR 5/4	Silty Loam w/gravels	NCM
E10.60	0-30	10YR 3/4	Silty Loam	NCM; dense cobbles refusal
	30-35	10YR 6/3	Loamy Sand	NCM; dense cobbles refusal
E10.70	0-35	10YR 4/4	Silty Loam	NCM
	35-45	10YR 6/6	Loamy Sand	NCM
E10.80	0-26	10YR 3/2	Silty Loam	Whiteware
	26-36	10YR 4/6	Silty Loam	NCM
E10.90	0-26	10YR 3/4	Silty Loam	NCM
	26-36	10YR 5/6	Silty Loam	NCM
E11.01	0-13	10YR 2/1	Silty Clay	NCM; bedrock refusal
E11.10	0-20	10YR 2/1	Silty Clay	NCM
	20-24	10YR 5/6	Silty Clay	NCM; bedrock refusal
E11.20	0-25	10YR 2/1	Silty Loam	NCM
	25-30	10YR 5/6	Loamy Sand w/gravels	NCM; possible fill soils
E12.01	0-29	10YR 3/4	Silty Clay Loam	NCM
	29-39	10YR 5/7	Silty Clay Loam	NCM
E12.10	0-28	10YR 3/4	Silty Clay Loam	NCM
	28-38	10YR 5/6	Silty Clay Loam	NCM
E12.20	0-23	10YR 4/4	Sandy Loam	NCM
	23-33	10YR 6/6	Sandy Loam	NCM
E12.30	0-35	10YR 3/2	Silty Loam	NCM
	35-45	10YR 5/6	Silty Loam	NCM
E13.01	0-26	10YR 4/4	Silty Loam	NCM
	26-36	10YR 5/7	Silty Clay Loam	NCM
E13.10	0-33	10YR 4/6	Silty Loam	NCM
	33-43	7.5YR 4/7	Silty Loam	NCM
E13.20	0-19	10YR 4/4	Sandy Loam	NCM
	19-29	10YR 6/6	Sandy Loam	NCM
E13.30	0-26	10YR 3/2	Silty Loam	NCM
	26-36	10YR 6/4	Silty Clay	NCM
E13.40	0-27	10YR 4/4	Silty Loam	NCM
	27-37	10YR 5/6	Silty Loam	NCM
E13.50	0-20	10YR 4/4	Silty Loam	NCM
	20-30	10YR 5/7	Silty Loam	NCM
E13.60	0-25	10YR 3/3	Sandy Loam	NCM
	25-35	10YR 5/6	Sandy Loam	NCM
E14.01	0-25	10YR 4/4	Silty Clay Loam	NCM
	25-35	10YR 5/6	Silty Clay Loam	NCM

Shovel Test	Depth (cmbs)	Soil Color	Soil Texture	Comments & Artifacts
E14.10	0-23	10YR 3/4	Silty Clay Loam	NCM
	23-33	10YR 5/6	Sandy Loam	NCM
E14.20	0-23	10YR 3/2	Silty Loam w/cobbles	NCM; bedrock refusal
E14.30	0-28	10YR 3/2	Silty Loam	NCM
	28-38	10YR 6/6	Silty Loam	NCM
E14.40	0-25	10YR 3/4	Silty Loam	NCM
	25-35	10YR 5/6	Silty Loam	NCM
E14.50	0-23	10YR 3/2	Silty Loam	NCM
	23-33	10YR 5/6	Silty Loam	NCM
E14.60	0-33	10YR 3/2	Silty Loam	NCM
	33-43	10YR 5/6	Silty Loam	NCM
E15.01	0-25	10YR 3/4	Silty Loam	NCM
	25-35	10YR 3/4 & 10YR 5/7	Silty Loam w/gravels	NCM
E15.10	0-30	10YR 3/3	Sandy Loam	NCM
	30-40	10YR 4/6	Sandy Loam w/gravels	NCM
E15.20	0-36	10YR 4/3	Silty Loam	NCM
	36-46	10YR 5/6	Silty Loam	NCM
E15.30	0-38	10YR 4/4	Silty Loam	NCM
	38-48	10YR 5/8	Sandy Loam	NCM
E16.01	0-33	10YR 3/2	Silty Loam w/saprolites	NCM
	33-43	10YR 4/6	Clay Loam w/saprolites	NCM
E16.10	0-28	10YR 3/2	Clay Loam	NCM
	28-31	10YR 4/6	Clay Loam	NCM; bedrock refusal
E16.20	0-24	10YR 3/3	Clay Loam	NCM
	24-34	10YR 7/3	Clay Loam	NCM
E16.30	0-32	10 YR 3/3	Silty Loam	NCM
	32-42	10YR 5/6	Silty Loam	NCM
E16.40	0-27	10YR 3/3	Silty Loam	NCM
	27-37	10YR 5/6	Silty Loam	NCM
E16.50	0-34	10 YR 3/3	Silty Loam	NCM
	34-44	10YR 5/6	Silty Loam	NCM
E17.01	0-27	10YR 3/2	Silty Loam	NCM
	27-37	10YR 6/6	Silty Loam	NCM
E17.10	0-26	10YR 3/3	Silty Loam	NCM; bedrock refusal
E17.20	0-24	10YR 4/4	Silty Clay Loam	NCM
	24-34	10YR 5/6	Silty Clay Loam	NCM
E17.30	0-12	10YR 4/4	Silty Loam	NCM; bedrock refusal
E17.40	0-28	10YR 4/4	Silty Loam	NCM
	28-38	10YR 5/6	Silty Loam	NCM
E17.50	0-40	10YR 3/2	Silty Loam	NCM
	40-50	10YR 3/4	Silty Loam	NCM
E17.60	0-20	10YR 4/4	Silty Clay	NCM
	20-30	10YR 5/6	Silty Clay	NCM
E18.01	0-27	10YR 3/2	Silty Loam	NCM
	27-37	10YR 4/6	Silty Loam	NCM
E18.10	0-21	10YR 4/3	Silty Loam	NCM
	21-45	10YR 5/6	Silty Loam	NCM
E18.20	0-40	10YR 4/4	Silty Clay Loam	NCM; root imapsse
E18.30	0-21	10YR 4/4	Silty Loam	NCM
	21-31	10YR 6/6	Silty Loam	NCM
E18.40	0-27	10YR 3/2	Silty Loam	NCM
	27-37	10YR 5/6	Silty Loam	NCM

Shovel Test	Depth (cmbs)	Soil Color	Soil Texture	Comments & Artifacts
E19.01	0-26	10YR 6/2	Silty Loam	NCM
	26-36	10YR 5/4	Silty Loam	NCM
E19.10	0-25	10YR 4/3	Silty Loam	NCM
	25-35	10YR 3/5	Loamy Sand	NCM
E19.20	0-20	10YR 4/3	Silty Loam	NCM
	20-42	10YR 5/4	Silty Loam	NCM
E19.30	0-24	10YR 4/3	Silty Loam	NCM
	24-45	10YR 5/4	Silty Loam	NCM
E19.40	0-37	10YR 3/4	Silty Loam	NCM
	37-47	10YR 5/6	Silty Loam	NCM
E19.50	0-28	10YR 4/5	Silty Loam	NCM
	28-38	10YR 5/4	Silty Loam	NCM
E19.60	0-27	10YR 4/3	Silty Loam	NCM
	27-37	10YR 6/4	Silty Loam	NCM
E21.01	0-24	10YR 3/3	Silty Clay Loam	NCM; bedrock refusal
E21.10	0-28	10YR 3/3	Silty Clay Loam	NCM
	28-38	10YR 5/6	Silty Loam	NCM
E21.20	0-19	10YR 3/4	Silty Loam	NCM
	19-29	10YR 6/6	Silty Loam	NCM
E21.30	0-33	10YR 3/3	Silty Loam	NCM
	33-55	10YR 5/6	Silty Loam	NCM
E23.01	0-27	10YR 4/4	Silty Loam	NCM
	27-37	10YR 5/7	Silty Clay Loam	NCM
E23.10	0-23	10YR 4/5	Silty Loam	NCM
	23-33	10YR 4/5	Silty Clay Loam	NCM
E23.13	0-20	10YR 4/4	Silty Loam	Stoneware
	20-30	10YR 5/6	Silty Clay Loam	NCM
E23.20	0-26	10YR 3/2	Silty Clay	NCM
	26-37	10YR 6/6	Sandy Loam	NCM
E23.30	0-30	10YR 3/2	Clay Loam	NCM
	30-40	7.5YR 5/8	Silty Loam	NCM
E23.40	0-10	10YR 4/4	Silty Loam	NCM
	10-28	10YR 6/6	Silty Loam	NCM
E23.50	0-25	10YR 3/2	Loamy Sand	NCM
	25-35	10YR 6/6	Loamy Sand	NCM
E23.60	0-44	10YR 3/2	Silty Loam	NCM
	44-54	10YR 6/6	Silty Loam	NCM
E24.01	0-25	10YR 3/2	Clay Loam	NCM
	25-40	10YR 4/2	Clay	NCM
E24.10	0-12	10YR 3/2	Clay Loam	NCM
	12-25	10YR 3/2	Clay	NCM
E25.01	0-28	10YR 3/2	Clay Loam	NCM; bedrock refusal
E25.10	0-15	10YR 4/3	Silty Loam	NCM
	15-25	10YR 5/6	Silty Loam	NCM
HS3.01	0-30	10YR 3/2	Clay Loam	Pearlware/Whiteware, Redware
	30-43	10YR 7/2	Clay Loam	NCM
	43-53	10YR 3/2	Clay Loam	NCM
HS3.02	0-28	10YR 4/3	Silty Loam	NCM
	28-38	10YR 4/3	Silty Loam	NCM
HS3.03	0-33	10YR 3/2	Clay Loam	White refined earthenware
	33-43	10YR 4/6	Clay Loam	NCM
HS3.04	0-25	10YR 4/3	Silty Loam	White refined earthenware

Shovel Test	Depth (cmbs)	Soil Color	Soil Texture	Comments & Artifacts
	25-35	10YR 5/8	Silty Loam	NCM
HS3.05	0-29	10YR 3/2	Sandy Loam	Faunal/bone, Yellowware
	29-39	10YR 4/6	Sandy Loam	NCM
HS3.06	0-10	10YR 4/3	Silty Loam	NCM
	10-15	10YR 8/1	Sand	NCM
	15-30	10YR 5/8	Silty Loam	NCM
HS3.07	0-28	10YR 3/1	Sandy Loam	Flat glass, Redware, Whiteware, Wire nail
	28-33	10YR 6/1, 2/1	Sandy Loam	Ash cencentration
	33-50	7.5YR 4/4	Sandy Loam	NCM
HS3.08	0-10	10YR 4/3	Silty Loam	NCM
	10-15	5YR 8/1	Sand	NCM
	15-30	10YR 5/8	Silty Loam	NCM
HS3.09	0-30	10YR 3/2	Sandy Loam	Blown-in mold bottle glass, Flat glass
	30-35	10YR 2/1, 6/1	Sandy Loam	NCM
	33-50	7.5YR 4/4	Sandy Loam	NCM
HS3.10	0-20	10 YR 4/3	Silty Loam	Faunal/bone, Wire nail
	20-30	10YR 5/4 & 10YR 4/4	Silty Loam	NCM
HS3.11	0-10	-	-	Within boulder pile
HS3.12	0-30	10YR 4/3	Silty Loam	Flat glass, Brad nails, Bolt, Cast iron, Cut nail fragment, Unidentified bottle-type fragment
	30-40	10YR 5/8	Silty Loam	NCM
HS5.01	0-28	10YR 3/2	Silty Loam w/gravels and cobbles	NCM; bedrock refusal
HS5.02	0-30	10YR 4/2	Silty Clay Loam	
	30-40	10YR 4/3	Silty Clay Loam	
HS5.03	0-20	10YR 4/2	Silty Loam	
	20-43	10YR 6/6	Silty Loam	
HS5.04	0-25	10YR 3/2	Silty Loam w/gravels and large cobbles	
HS5.05	0-28	10YR 4/3	Silty Clay Loam	bedrock refusal
HS5.06	0-28	10YR 4/2	Silty Loam	
HS5.07	0-19	10YR 3/2	Silty Loam	
HS5.08	0-30	10YR 4/2	Silty Clay Loam	NCM; bedrock refusal
HS5.09	0-10	10YR 4/2	Clay Loam	NCM; bedrock refusal
HS5.10	0-34	10YR 4/4	Silty Loam w/gravels and cobbles	NCM; bedrock refusal
HS5.11	0-22	10YR 4/3	Silty Clay Loam	Unidentified bottle-type fragment; bedrock refusal
HS5.12	0-31	10YR 4/2	Clay Loam	NCM
	31-33	10YR 6/6	Silty Loam	NCM
HS5.13	0-34	10YR 4/4	Silty Loam	NCM
	34-44	10YR 6/6	Silty Loam	NCM
HS5.14	0-49	10YR 4/3	Silty Clay Loam	NCM; bedrock refusal
HS5.15	0-28	10YR 4/2	Clay Loam	NCM
	28-38	10YR 5/3	Clay Loam	NCM
HS5.16	0-22	10YR 4/4	Silty Loam	NCM
HS5.17	0-50	10YR 4/3	Silty Loam	NCM
	50-53	10YR 5/6	Silty Clay Loam	NCM; bedrock refusal
HS5.18	0-31	10YR 4/2	Clay Loam	NCM
	31-41	10YR 5/6	Clay Loam	NCM
HS5.19	0-21	10YR 4/4	Silty Loam	NCM
	21-31	10YR 6/6	Silty Clay	NCM
HS5.20	0-24	10YR 4/4	Silty Clay Loam	Vessel glass, Whiteware
	24-34	10YR 5/6	Clay Loam	NCM
HS5.21	0-22	10YR 3/2	Clay Loam	NCM

Shovel Test	Depth (cmbs)	Soil Color	Soil Texture	Comments & Artifacts
	22-32	7.5YR 5/8	Silty Clay	NCM
HS5.22	0-22	10YR 3/2	Silty Loam	NCM
	22-32	10YR 5/6	Clay Loam	NCM
HS5.23	0-30	10YR 4/4	Silty Clay Loam	NCM
	30-40	10YR 5/6	Clay Loam	NCM
HS5.24	0-22	10YR 3/2	Clay Loam	NCM
	22-32	10YR 5/8	Silty Clay	NCM
HS5.25	0-21	10YR3/2	Silty Loam	NCM
	21-31	10YR 5/6	Silty Clay	NCM
HS5.26	0-30	10YR 4/4	Silty Loam	NCM
	30-40	10YR 5/6	Silty Clay Loam	NCM
HS5.27	0-28	10YR 3/2	Clay Loam	NCM
	28-38	10YR 5/8	Silty Clay	NCM
HS5.28	0-28	10YR 3/2	Silty Loam	NCM
	28-38	10YR 5/6	Silty Clay	NCM
HS5.29	0-19	10YR 4/4	Silty Clay Loam	NCM
	19-30	10YR 5/6	Clay Loam	NCM
HS5.30	0-28	10YR 3/2	Clay Loam	NCM
	28-38	10YR 5/8	Silty Clay	NCM
HS6.01	0-29	10YR 3/2	Silty Clay Loam	NCM
	29-39	10YR 6/7	Clay Loam	NCM
HS6.02	0-31	10YR 5/2	Clay Loam	NCM
	31-41	10YR 6/4	Silty Clay	NCM
HS6.03	0-29	10YR 3/2	Silty Clay Loam	NCM
	29-39	10YR 6/7	Clay Loam	NCM
HS6.04	0-31	10YR 3/2	Clay Loam	NCM
	31-41	10YR 6/4	Silty Clay	NCM
HS6.05	0-46	10YR 3/2	Silty Clay Loam	NCM
	46-56	10YR 6/7	Clay Loam	NCM
HS6.06	0-31	10YR 3/2	Clay Loam	NCM
	31-41	10YR 6/4	Silty Clay	NCM
HS6.07	0-33	10YR 4/4	Silty Clay Loam	NCM
	33-43	10YR 5/6	Clay Loam	NCM
HS6.08	0-32	10YR 3/2	Clay Loam	NCM
	32-42	10YR 6/4	Silty Clay	NCM
HS6.09	0-30	10YR 4/4	Silty Loam	White refined earthenware
	30-40	10YR 4/5	Clay Loam	NCM
HS6.10	0-26	10YR 3/2	Clay Loam	NCM
	26-36	10YR 4/6	Silty Clay	NCM; bedrock refusal
HS6.11	0-33	10YR 4/4	Silty Loam	NCM
	33-42	10YR 5/5	Silty Clay Loam	NCM
HS6.12	0-26	10YR 3/2	Clay Loam	NCM
	26-36	10YR 4/6	Silty Clay	NCM
HS6.13	0-32	10YR 4/4	Clay Loam	Flat glass, Stoneware, Whiteware,
HS6.14	0-27	10YR 3/2	Clay Loam	NCM
	27-37	10YR 5/6	Silty Clay	NCM
HS6.15	0-41	10YR 4/4	Silty Clay Loam	Whiteware, Pearlware, Flat glass, Redware, Unidentified glass
	41-51	10YR 3/3	Clay Loam	NCM
HS6.16	0-32	10YR 3/2	Silty Loam	NCM
	32-42	10YR 4/6	Silty Loam	NCM
HS6.17	0-29	10YR 4/3	Silty Clay Loam	Redware, Whiteware
	29-39	10YR 5/5	Clay Loam	Redware, Whiteware

Shovel Test	Depth (cmbs)	Soil Color	Soil Texture	Comments & Artifacts
HS6.18	0-26	10YR 3/2	Silty Loam	NCM
	26-36	10YR 4/6	Silty Loam	NCM
HS6.19	0-35	10YR 3/3	Silty Clay Loam	NCM
	35-45	7.5YR 4/5	Silty Clay Loam	NCM
HS6.20	0-26	10YR 3/2	Silty Loam	Cut nail
	26-36	10YR 4/6	Silty Loam	NCM
HS6.21	0-21	10YR 3/3	Silty Clay Loam	NCM
	21-39	10YR 5/3	Silty Clay Loam	NCM
HS6.22	0-28	10YR 3/2	Silty Loam	NCM
	28-38	10YR 4/6	Silty Loam	NCM
HS6.23	0-25	10YR 4/4	Silty Clay Loam	NCM
	25-35	10YR 5/6	Silty Clay Loam	NCM
HS6.24	0-33	10YR 3/2	Silty Loam	NCM
	33-43	10YR 4/6	Silty Loam	NCM
HS6.25	0-43	10YR 4/4	Silty Clay Loam	NCM
	43-53	10YR 5/6	Silty Clay Loam	NCM
HS6.26	0-33	10YR 3/2	Silty Loam	NCM
	33-43	10YR 4/6	Silty Loam	NCM
HS6.27	0-26	10YR 4/4	Silty Clay Loam	NCM
	26-36	10YR 5/6	Silty Clay Loam	NCM
HS6.28	0-33	10YR 3/2	Silty Loam	NCM
	33-43	10YR 4/6	Silty Loam	NCM
HS6.29	0-39	10YR 4/4	Silty Clay Loam	NCM
	39-49	10YR 5/6	Silty Clay Loam	NCM
HS6.30	0-27	10YR 3/2	Silty Loam	NCM
	27-37	10YR 4/6	Silty Loam	NCM
HS6.31	0-31	10YR 4/4	Silty Clay Loam	NCM
	31-41	10YR 5/6	Silty Clay Loam	NCM
HS6.32	0-31	10YR 3/2	Clay Loam	NCM
	31-45	10YR 3/6, 7/2	Sandy Loam	NCM
HS7.01	0-21	10YR 4/3	Silty Loam	NCM
	21-31	10YR 5/6	Silty Clay	NCM
HS7.02	0-27	10YR 3/3	Clay Loam	NCM
	27-37	10YR 5/6	Silty Clay	NCM
HS7.03	0-26	10YR 4/3	Silty Loam	NCM
	26-36	10YR 5/4	Silty Clay	NCM
HS7.04	0-27	10YR 3/3	Clay Loam	NCM
	27-37	10YR 5/6	Silty Clay	NCM
HS7.05	0-23	10YR 4/3	Silty Loam	NCM; bedrock refusal
HS7.06	0-19	10YR 3/3	Clay Loam	NCM
	19-31	7.5YR 4/6	Silty Clay	NCM
HS7.07	0-24	10YR 4/3	Silty Loam	Whiteware, Flat glass, Redware, Ironstone, Barbed wire
	24-34	10YR 5/6	Silty Clay	NCM
HS7.08	0-20	10YR 3/3	Clay Loam	NCM
	20-30	7.5YR 4/6	Silty Clay	NCM
HS7.09	0-48	10YR 4/3	Silty Loam	Whiteware, Cut nail, Flat glass, Stoneware
	48-58	10YR 5/6	Silty Clay	NCM
HS7.10	0-31	10YR 3/3	Clay Loam	NCM
	31-41	10YR 3/6	Silty Clay	NCM
HS7.11	0-24	10YR 4/3	Silty Loam	Whiteware, Cut nails, Flat glass
	24-34	10YR 5/6	Silty Clay	NCM
HS7.12	0-29	10YR 3/2	Clay Loam	Whiteware, Redware,

Shovel Test	Depth (cmbs)	Soil Color	Soil Texture	Comments & Artifacts
	29-40	10YR 36	Silty Clay	NCM
HS7.13	0-27	10YR 4/3	Silty Loam	Whiteware, Flat glass, Pearlware, Wire nail
	27-37	10YR 5/6	Silty Clay	NCM
HS7.14	0-27	10YR 3/2	Clay Loam	NCM
	27-37	10YR 4/6	Silty Clay	NCM
HS7.15	0-27	10YR 4/3	Silty Loam	NCM
	27-37	10YR 5/6	Silty Clay	NCM
HS7.16	0-28	10YR 3/3	Clay Loam	Redware, Whiteware
	28-38	10YR 4/6	Silty Clay	NCM
HS7.17	0-21	10YR 4/3	Silty Loam	NCM
	21-31	10YR 5/6	Silty Clay	NCM
HS7.18	0-29	10YR 3/3	Clay Loam	NCM
	29-39	10YR 4/6	Silty Clay	NCM
HS7.19	0-30	10YR 4/3	Silty Loam	NCM
	30-37	10YR 5/6	Silty Clay	NCM
HS7.20	0-30	10YR 3/3	Silty Loam	NCM
	30-40	10YR 4/6	Silty Clay	NCM
HS8.01	0-16	10YR 3/2	Silty Loam w/gravels	NCM
	16-26	10YR 5/6	Silty Loam	NCM
HS8.02	0-28	10YR 4/2,4/3,3/2	Clay Loam	NCM
	28-38	10YR 5/6	Silty Loam	NCM
HS8.03	0-8	10YR 4/2	Silty Clay Loam	NCM
	8-31	10YR 5/6,4/5	Clay Loam	NCM
HS8.04	0-8	10YR 4/3	Clay Loam	NCM
	8-29	10YR 5/6	Clay Loam	NCM
HS8.05	0-10	10YR 4/2,6/4	Clay Loam	NCM
	10-40	10YR 5/6	Sandy Loam	NCM
HS8.06	0-21	10YR 4/2	Silty Clay Loam	Unidentified bottle-type fragment
	21-30	10YR 5/6,6/7	Clay Loam	NCM
	30-40	10YR 7/4	Clay Loam	NCM
HS8.07	0-8	10YR 4/2	Clay Loam	NCM
	8-26	10YR 6/6	Sandy Loam	NCM
HS8.08	0-19	10YR 4/2,3/2	Clay Loam	NCM
	19-29	10YR 6/6	Silty Clay	NCM
HS8.09	0-28	10YR 4/2	Clay Loam	NCM
	28-38	10YR 8/8	Silty Clay	NCM
HS8.10	0-30	10YR 3/2	Clay Loam	NCM
	30-40	10YR 6/6	Silty Clay	NCM
HS8.11	0-38	10YR 3/2	Clay Loam	NCM
	38-48	10YR 6/6	Clay Loam	NCM
HS8.12	0-29	10YR 4/2	Clay Loam	NCM
	29-39	10YR 6/6	Silty Clay	NCM
HS9.01	0-34	10YR 3/2	Silty Loam w/gravels	NCM; bedrock refusal
HS9.02	0-53	10YR 3/2	Silty Loam w/gravels	NCM; bedrock refusal
HS9.03	0-20	10YR 3/2	Silty Loam	NCM; root impasse
HS9.04	0-24	10YR 3/2	Silty Loam w/gravels	NCM; bedrock refusal
HS9.05	0-15	10YR 3/2	Silty Loam w/gravels	NCM; root impasse
HS9.06	0-25	10YR 3/2	Silty Loam w/gravels	NCM; bedrock refusal
HS9.07	0-25	10YR 3/2	Silty Loam	NCM
	25-35	10YR 5/6	Silty Clay	NCM
HS9.08	0-19	10YR 3/2	Silty Loam	NCM
	19-29	10YR 5/6	Silty Clay	NCM

Shovel Test	Depth (cmbs)	Soil Color	Soil Texture	Comments & Artifacts
HS9.09	0-25	10YR 3/2	Silty Loam	Button, Ferrous tack; Root impasse
HS9.10	0-29	10YR 3/2	Silty Loam	NCM
	29-39	10YR 5/6	Silty Clay	NCM
HS9.11	0-30	10YR 3/2	Silty Loam	Faunal/bone, Whiteware
	30-40	10YR 5/6	Silty Clay	NCM
HS9.12	0-26	10YR 3/2	Silty Loam w/gravels	NCM; bedrock refusal
HS9.13	0-27	10YR 3/2	Silty Loam	NCM
	27-37	10YR 6/6	Silty Loam	NCM
HS9.14	0-21	10YR 3/2	Silty Loam	NCM
	21-31	10YR 6/6	Silty Loam	NCM
HS9.15	0-31	10YR 3/3	Silty Loam	Whiteware, Flat glass; Root impasse
HS9.16	0-24	10YR 3/3	Silty Loam w/gravels	NCM; bedrock refusal
HS9.17	0-25	10YR 3/3	Silty Loam	NCM; root impasse
HS9.18	0-30	10YR 3/2	Silty Loam w/gravels	NCM
	30-40	10YR 5/6	Silty Loam	NCM
HS9.19	0-23	10YR 3/3	Silty Loam	NCM
	23-33	10YR 3/3	Silty Loam	NCM
HS9.20	0-26	10YR 3/2	Silty Loam	NCM; bedrock refusal
HS9.21	0-20	10YR 3/2	Silty Loam	NCM; bedrock refusal
HS9.22	0-18	10YR 3/2	Silty Loam w/gravels	NCM; bedrock refusal
HS9.23	0-35	10YR 3/2	Silty Loam	NCM; bedrock refusal
HS9.24	0-27	10YR 3/2	Silty Loam	NCM
	27-30	10YR 5/6	Silty Loam	NCM; bedrock refusal

Appendix E

Shovel Test Field Forms (Scanned)

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): PAS

Date: 7/24/13

Location/Setting: T 54

Wooded - Adjacent to sugarbush

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A4.01	0-27 27-37	10YR 4/3 10YR 5/4	sicl sicl lo	NCM
A4.02	0-30 30-40	10YR 4/3 10YR 5/4	sicl sicl lo	NCM
A4.03	0-23 23-33	10YR 3/3 10YR 4/4	si lo sicl lo	NCM
A4.04	0-24 24-34	10YR 3/3 10YR 4/4	sicl sicl lo	NCM
A4.05	0-25 25-35	10YR 3/3 10YR 5/4	si lo sicl lo	NCM
A4.06	0-22 22-32	10YR 3/3 10YR 4/4	si lo sicl lo	NCM
A4.07	0-26 26-36	10YR 3/3 10YR 4/3	sicl sicl lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): SCH

Date: 7/24/13

Location/Setting:

T54

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A4.8	0-14 14-24	10yr 4/3 10yr 5/6	Si lo Si lo	Ø
A4.9	0-20 20-30	10yr 4/3 10yr 5/5	Si lo Si lo	Ø
A4.10	0-22 22-32	10yr 4/3 10yr 5/4	Si lo Si lo	Ø
A4.11	0-23 23-33	10yr 4/3 10yr 5/5	Si lo Si lo	Ø
A4.12	0-19 19-29	10yr 3/3 10yr 4/6	Si lo Si lo	Ø
A4.13	0-24 24-39	10yr 3/3 10yr 5/5	Si lo Si lo	Ø
A4.14	0-14 14-24	10yr 3/3 10yr 5/5	Si lo Si lo	Ø

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): KSP

Date: 7/24/2013

Location/Setting: A4/T54 adjacent to Sugarbush

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A4.15	0-21 21-31	10YR 3/4 10YR 4/4	silo silo	NCM
A4.16	0-20 20-30 30+	10YR 5/3 10YR 4/4 half rock intrusion	silo sicl	NCM
A4.17	0-22 22-32	10YR 5/3 10YR 4/4	silo (20% rocks) sicl	NCM
A4.18	0-27 27+	10YR 5/3 Root Impasse	silo (10% rocks)	NCM
A4.19	0-18 18-28	10YR 5/3 10YR 4/4	silo sicl	NCM
A4.20	0-20 20-30	10YR 5/3 10YR 6/3	silo (20% rocks) silo	NCM
A4.21	0-13 13-23	10YR 5/3 10YR 4/4	silo (~10% rocks) sicl	NCM
A4.28	0-24 24-34	10YR 5/3 10YR 4/4	silo sicl	NCM
A4.27	0-20 20-26 26+	10YR 5/3 10YR 5/4 Rock	silo sicl/o	NCM
A4.26	0-19 19-29 29+	10YR 5/3 10YR 4/4 ROCKY	silo sicl	NCM - very rocky
A4.25	0-16 16-26 26+	10YR 5/3 7.5YR 5/6 ROCK	silo sicl	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): KSP

Date: 7/24/2013

Location/Setting: A4/T54 adjacent to Sugarbush

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A4.24	0-19 19-27 27+	10YR 5/3 10YR 4/6 ROCKY	silt sicl/lo	NCM
A4.23	0-21 21-31	10YR 3/3 10YR 4/6	silt sicl/o	NCM
A4.22	0-25 25-35	10YR 3/3 10YR 5/4	silt silt	NCM
~~A4.45~~	~~0-13~~ ~~13-23~~	~~10YR 3/3~~ ~~10YR 4/6~~	~~silt~~ ~~sicl/lo~~	~~NCM~~
~~A4.47~~	~~0-18~~ ~~18-28~~	~~10YR 3/3~~ ~~10YR 4/6~~	~~silt~~ ~~sicl/lo~~	~~NCM~~

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): SCH

Date: 7/24/13

Location/Setting:

T54

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A4.35	0-19 19-	10yr 3/3 Rock Impasse	Silo	Ø
A4.34	0-16 16-	10yr 3/3 Rock Impasse	Silo	Ø
A4.33	0-15 15-25	10yr 3/3 10yr 5/5	Silo Silo	Ø
A4.32	0-18 18-28	10yr 3/3 10yr 5/5	Silo Silo	Ø
A4.31	0-17 17-27	10yr 3/3 10yr 5/5	Silo Silo	Ø
A4.30	0-16 16-26	10yr 3/3 10yr 5/5	Silo Silo	Ø
A4.29	0-18 18-28	10yr 3/3 10yr 5/5	Silo Silo	Ø

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): PAS

Date: 7/24/13

Location/Setting: T54 wooded - Adjacent to sugarbush

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A4.42	0-21 21-31	10YR 3/3 10YR 4/4	si lo si cl lo	NCM
A4.41	0-23 23-33	10YR 3/3 10YR 4/4	si lo si cl lo	NCM
A4.40	0-21 21-31	10YR 3/3 10YR 5/4	si lo si cl lo	NCM
A4.39	0-27 27-37	10YR 3/3 10YR 4/4	si cl si cl lo	NCM
A4.38	0-26 26-36	10YR 3/3 10YR 5/4	si lo si cl lo	NCM
A4.37	0-27 27-37	10YR 3/3 10YR 5/4	si lo si cl lo	NCM
A4.36	0-25 25-35	10YR 3/3 10YR 5/4	si lo si cl lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): PAS

Date: 7/24/13

Location/Setting: T 54 Wooded - Adjacent to Sugar Bush

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A4.43	0-26 26-36	10YR 4/3 10YR 5/4	si lo si cl lo	NCM
A4.44	0-13 13-23	10YR 3/3 10YR 4/4	si lo si cl lo	
A4.45	0-14 14-24	10YR 3/3 10YR 5/4	si lo si cl lo	
A4.46	0-27 27-37	10YR 3/3 10YR 5/4	si lo si cl lo	
A4.47	0-18 18-28	10YR 3/3 10YR 5/4	si lo si cl lo	
A4.48	0-22 22-32	10YR 3/3 10YR 5/4	si lo si cl lo	
A4.49	0-21 21-31	10YR 3/3 10YR 5/4	si lo si cl lo	

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): KSP

Date: 7/24/13

Location/Setting: A5/T 34

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A5.01	0-23 23-33	10YR 4/4 ~~10YR 4/6~~ 7.5YR 5/6	silo sicl	NCM
A5.02	0-21 21-31	10YR 4/4 7.5YR 5/6	silo sicl	NCM in middle of out tree pile
A5.03	0-10	10YR 4/4 mottled w/ 7.5YR 5/6	sicl	NCM - edge of field on road -rocky
A5.04	0-12 12-22	10YR 4/4 7.5YR 5/6	silo sicl	NCM - on slight downslope on edge of field
A5.05	0-18 18-38	10YR 4/4 10YR 4/3	silo sicl/o	NCM rocks/gravel/ > strata I fill?
A5.06	0-28 28+	10YR 4/4 ROCK	silo	NCM -rocks -grey flecking saprolite?
A5.07	0-29 29-39	10YR 4/4 7.5YR 4/6	silo sicl/o	NCM
A5.28	0-26 26-36	10YR 4/4 10YR 4/6	silo sicl	NCM
A5.28	0-21 21-31	10YR 4/4 10YR 4/6	silo sicl	NCM
~~A5.26~~	~~0-32 32-42~~	~~10YR 4/4 10YR 4/6~~	~~silo sicl~~	~~NCM~~
A5.26	0-26 26-36	10YR 4/4 10YR 4/6	silo sicl	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): SCH

Date: 7/24/2013

Location/Setting: T 34

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A5.08	0-18 18-28	10yr 4/4 10yr 4/6	Sicllo Sicllo	Ø
A5.09	0-21 21-	10yr 4/4 Rock impasse	Sicllo	Ø
A5.10	0-22 22-32	10yr 4/3 10yr 4/5	Sicllo +6 Sicllo	Ø
A5.11	0-25 25-	10yr 4/3 Rock impasse	Sicllo	Ø
A5.12	0-22 22-32	10yr 4/3 7.5yr 3/4	Sicllo Sicllo	Ø
A5.13	0-19 19-29	10yr 4/3 10yr 5/3	Sicllo Sicllo	Ø
A5.14	0-18 18-28	10yr 4/3 10yr 4/6	Sicllo Sicllo	Ø

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): SCH

Date: 7/24/2013

Location/Setting:

T34

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A5.21	0-32 32-42	10yr 4/4 10yr 5/3	Sicl lo Sicl lo	Ø
A5.20	0-24 24-34	10yr 4/4 10yr 5/3	Sicl lo Sicl lo	Ø
A5.19	0-25 25-35	10yr 4/4 10yr 4/6+ 10yr 5/3	Sicl lo Sicl lo	Ø
A5.18	0-23 23-33	10yr 4/4 10yr 4/6	Sicl lo Sicl lo	Ø
A5.17	0-22 22-32	10yr 4/4 10yr 5/3	Sicl lo Sicl lo	Ø
A5.16	0-17 17-27	10yr 4/4 10yr 5/3	Sicl lo Sicl lo	Ø
A5.15	0-14 14-	10yr 4/4 Rock Impasse	Sicl lo	Ø

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): KSP

Date: 7/25/13

Location/Setting: A5/T34

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A5.25	0-29 29-39	10YR 4/4 10YR 4/6	silo sicl	NCM
A5.24	0-14 14-24	10YR 4/4 10YR 4/6	silo sicl -very compact -slightly rocky	NCM -on edge of old road
A5.23	~17	10YR 4/4	sicl -rocky -compact	NCM -offset east 2ft due to woodpile
A5.22	0-26	10YR4/4	sicl -rocky -compact	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): PAS

Date: 7/24/13

Location/Setting: T34 Field/Hedgerow

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A5.35	0-27 27-37	10YR 4/3 10YR 5/6	si lo si cl lo	NCM
A5.34	0-30 30-40	10YR 4/3 10YR 5/6	si cl si cl lo	NCM
A5.33	0-34 34-44	10YR 4/3 10YR 5/6	si lo si cl lo	NCM
A5.32	0-29 29-39	10YR 4/3 10YR 5/4	si lo si cl lo	NCM
A5.31	0-27 27-37	10YR 4/3 10YR 5/6	si lo si cl lo	NCM
A5.30	0-25 25-35	10YR 4/6 FILL 10YR 5/4	si cl lo si cl	NCM (logging rd.)
A5.29	0-26 26-36	10YR 4/3 10YR 5/4	si lo si cl lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): PAS

Date: 7/24/13

Location/Setting: T34 Field / Hedgerow

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A5.36	0-31 31-41	10YR 4/6 10YR 5/6	SiCl SiCl	NCM
A5.37	0-26 26-36	FILL - 10YR 4/4 10YR 5/6	FILL - SiCl SiCl/o	NCM (Logging Path)
A5.38	0-32 32-42	10YR 4/3 10YR 4/6	SiCl decaying bedrock	NCM
A5.39	0-30 30-40	10YR 4/3 10YR 4/6	SiCl decayed bedrock	NCM
A5.40	0-27 27-37	10YR 4/3 10YR 5/6	SiCl SiCl/o	NCM
A5.41	0-33 33-43	10YR 4/3 10YR 4/6	SiCl decayed B.R.	NCM
A5.42	0-31 31-41	10YR 4/3 10YR 4/6	SiCl decayed B.R.	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012
Project Name: Copenhagen Wind Farm Phase IB
Excavator(s): SCH
Date: 7/24/2013

Location/Setting: T34

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A5.43	0-18 18-	10yr 4/4 Rock Impasse	Sicl lo + G	Ø
A5.44	0-25 25-	10yr 4/6 Rock Impasse / Decayed Bedrock	Sicl lo	Road fill
A5.45	0-27 27-37	10yr 4/4 10yr 4/6	Sicl lo + G Sicl lo + R	Ø
A5.46	0-27 27-37	10yr 4/3 10yr 5/6	Sicl lo Sicl lo	Ø
A5.47	0-36 36-37	10yr 4/4 Rock Impasse Bedrock	Sicl lo	Ø
A5.48	0-31 31-41	10yr 4/4 10yr 5/3	Sicl lo Sicl lo + g	Ø
A5.49	0-30 30-40	10yr 4/4 10yr 5/0	Sicl lo Sicl lo + g	Ø

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): KSP

Date: 7/25/2013

Location/Setting: A6/T47 adjacent to Sugarbush

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A6.01	0-21 21+	10YR 3/3 Bedrock	Silo	NCM
A6.02	0-23 23-33	10YR 3/3 10YR 5/4	Silo sicl	NCM
A6.03	0-28 28-31 31+	10YR3/3 10YR 5/4 ROCK	silo sicl	NCM
A6.04	0-22 22-32	10YR 3/3 10YR5/4	Silo sicl	NCM -wet soil -lower-lying area
A6.05	0-18 18-28	10YR3/3 10YR 5/4	Silo sicl	NCM - ~~wets~~ moist/damp soil
A6.06	0-22 22-32	10YR3/3 10YR 5/4	Silo sicl	NCM
A6.07	0-54	10YR 5/4	Silo - many roots	NCM -dug b/w & around roots of two mature maple trees
~~A6.11~~	0-20 20-33	10YR3/3 10YR5/4	Silo sicl	NCM
~~A6.10~~	0-24 24-34	10YR 3/3 10YR 5/4	silo silo	NCM
~~A6.09~~	0-31 31+	10YR3/3 Bedrock	Silo	NCM
~~A6.08~~	0-9 9-19 19+	10YR 3/3 10YR 4/4 ROCKS & ROOTS	silo silo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): PAS

Date: 7/25/13

Location/Setting: T47 Maple Tree

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A6.08	0-22 22-32	10YR 3/3 10YR 4/4	Si lo si cl lo	NCM
A6.09	0-25 25-35	10YR 3/2 10YR 4/4	Si lo si sa lo	NCM
A6.10	0-26 26-36	10YR 3/2 10YR 4/4	Si lo si cl lo	NCM
A6.11	0-25 25-35	10YR 3/2 10YR 4/4	Si lo si cl lo	NCM
A6.12	0-27 27-37	10YR 3/2 10YR 4/4	Si lo si cl lo	NCM
A6.13	0-18 18-28	10YR 3/3 10YR 4/6	Si lo si cl lo	NCM
A6.14	0-16 16-26	10YR 3/2 10YR 4/4	Si lo si cl lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): SCH

Date: 7/25/13

Location/Setting:

T47

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A6.15	0-20 20-30	10yr 3/3 10yr 4/6	Sicl lo Sicl lo	Ø
A6.16	0-27 27-37	10yr 3/3 10yr 4/6	Sicl lo Sicl lo	Ø
A6.17	0-31 31-	10yr 4/4 Root	Sicl lo impasse	Ø
A6.18	0-6 6-	10yr 4/3 Root	Sicl lo impasse	Ø
A6.19	0-20 20-30	10YR 3/2 10YR 4/3	SiLo SiCLo	NCM NCM
A6.20	0-21 21-31	10yr 3/3 10yr 4/0	Sicl lo Sicl lo	Ø
A6.21	0-7 7-	10yr 3/3 Root	Sicl lo impasse	Ø

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): PAS

Date: 7/25/13

Location/Setting: T47 Maple Tree

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A6.28	0-21 21-31	10YR 4/3 10YR 5/4	si lo si cl lo	NCM
A6.27	0-19 19-29	10YR 3/3 10YR 4/4	si lo si cl lo	NCM
A6.26	0-18 18-28	10YR 3/3 10YR 4/4	si lo si cl lo	NCM
A6.25	0-19 19-29	10YR 3/3 10YR 4/4	si lo si cl lo	NCM
A6.24	0-28 28-38	10YR 3/3 10YR 4/4	si lo si cl lo	NCM
A6.23	0-33 33-43	10YR 3/3 10YR 4/4	si lo si cl lo	NCM
A6.22	0-30 30-40	10YR 3/3 10YR 4/4	si lo si cl lo	NCM NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): SCH

Date: 7/28/13

Location/Setting: T47

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
~~[illegible]~~ A6.35	0-31 31-41	10yr 4/3 10yr 4/6	Sicl lo Sicl lo	Ø
~~[illegible]~~ A6.34	0-10 10-20	10yr 4/3 10yr 4/6	Sicl lo Sicl lo	Ø
~~[illegible]~~ A6.33	0-16 16-26	10yr 4/4 10yr 4/6	Sicl lo Sicl lo	Ø
~~[illegible]~~ A6.32	0-23 23-33	10yr 4/4 10yr 4/6	Sicl lo Sicl lo	Ø
~~[illegible]~~ A6.31	0-16 16-26	10yr 4/4 10yr 4/6	Sicl lo Sicl lo	Ø
~~[illegible]~~ A6.30	0-18 18-28	10yr 3/3 10yr 4/6	Sicl lo Sicl lo	Ø
~~[illegible]~~ A6.29	0-16 16-26	10yr 3/3 10yr 5/4	Sicl lo Sicl lo	Ø

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): KSP

Date: 7/25/2013

Location/Setting: A6/T47

	Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
	~~[illegible]~~	~~0-10~~ ~~10+~~	~~10YR 3/4~~ ROOT IMPASSE	~~silo~~	~~NCM~~
	~~[illegible]~~	~~0-21~~ ~~21-31~~	~~10YR 3/3~~ ~~10YR 5/4~~	~~silo~~ ~~sicl o~~	~~NCM~~
	~~[illegible]~~	~~0-25~~ ~~25-35~~	~~10YR 3/3~~ ~~10YR 6/4~~	~~silo~~ ~~siclo~~	~~NCM~~
	A6.42	0-28 28+	10YR 3/3 ROCK	silo	NCM
SH	A6.41	0-18 18-28	10YR 3/3 10YR 5/3	silo silo	NCM
	A6.40	0-18 18-28	10YR 3/3 10YR 5/4	silo sicl	NCM
PS	A6.39	0-19 19-29	10YR 3/3 10YR 5/4	silo siclo	NCM
SH	A6.38	0-22 22-32	10YR 3/3 10YR 6/4	silo siclo	NCM
	A6.37	0-11 11-21	10YR 3/4 10YR 4/6	silo siclo	NCM
	A6.36	0-25 25-35 35+	10YR 3/3 10YR 4/6 ROCK	silo siclo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s):

Date:

Location/Setting:

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A6.49	0-10	10YR 3/4	SiCl	
	10+	ROOT & IMPASS		NCM
A6 48	0-21	10YR 3/3	SiCl	
	21-31	10YR 6/4	SiCl lo	NCM
A6 47	0-25	10YR 3/3	SiCl	
	25-35	10YR 6/4	SiCl lo	NCM
A6 46	0-20	10YR 3/3	SiCl	
	20-35	10YR 5/4	SiCl	NCM
A6 45	0-24	10YR 3/3	SiCl	
	24-34	10YR 4/4	SiCl	NCM
A6 44	0-31	10YR 3/3	SiCl	
	31+	Bedrock —	*	NCM
A643	0-9	10YR 3/3	SiCl	
	9-19	10YR 4/4	SiCl	
	19+	Rocks/Roots		NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012 Excavator(s): DMY

Project Name: Copenhagen Wind Farm Phase IB Date: 8/29/13

Location/Setting: Area A7, grid site for Turbine 31 — open field ringed by wildflowers, low, shrubby trees, and conifers. A kindly farmer showed us the way.

Transect 1

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A7.01	0-20cm 20-33	10YR 4/6 10YR 7/6	SiClLo ClLo	—
A7.02	0-18cm 18-34	10YR 4/6 7.5YR ~~6/8~~ 5/6	SiClLo ClLo	—
A7.03	0-22cm 22-33	10YR 4/6 7.5YR 6/6	SiClLo ClLo	—
A7.04	0-20cm 20-35	10YR 4/6 7.5YR 5/8	SiClLo ClLo	—
A7.05	0-24cm 24-39	10YR 4/6 10YR 6/6	SiClLo ClLo	—
A7.06	0-24cm 24-35	10YR 4/6 10YR 6/6	SiClLo ClLo	—
A7.07	0-22 22-32	10YR 4/6 10YR 6/6	SiClLo ClLo	—

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Colin Ely

Date: 8/29/13

Location/Setting: A7 T 31

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A7.8	0-13 13-29	10YR 4/6 10YR 6/6	Si Cl Lo Si Cl Lo	NCM NCM
A7.9	0-13 13-31	10YR 4/6 10YR 6/6	Si Cl Lo Si Cl Lo	NCM NCM
A7.10	0-21 21-33	10YR 4/6 7.5YR 5/8 mottled	Si Cl Lo Si Cl Lo	NCM NCM
One transect A7.11	0-22 22-33	10YR 4/6 10YR 6/7	Si Cl Lo Si Cl Lo	NCM NCM
A7.12	0-24 BR	10YR 4/6	Si Cl Lo	NCM BR @24
A7.13	0-24 24-38	10YR 4/6 7.5YR 5/7	Si Cl Lo Cl Lo	NCM NCM
A7.14	0-22 22-35	10YR 4/6 7.5YR 3/7	Si Cl Lo Si Cl Lo	NCM NCM
A7.43	0-23 23-38	10YR 4/6 10YR 5/6	Si Cl Lo	NCM
A7.44	0-17cm 17-27 27-41	10YR 4/6 10YR 5/6 mottled 5/6 + 7/2	Si Cl Lo Si Cl Lo Cl Lo Cl Lo	—
A7.45	0-22 22-34	10YR 4/6 10YR 5/6	Si Cl Lo Cl Lo	NCM NCM
A7.46	0-33	10YR 4/6	Si Cl Lo	NCM
A7.47	0-22 22-34	10YR 4/6 10YR 5/6	Si Lo Si Cl Lo	NCM NCM
A7.48	0-28cm 28-41	10YR 4/4 7.5YR 5/8	Si Cl Lo Si Cl Lo	—
A7.49	0-23 23-38	10YR 4/4 7.5YR 5/8	Si Cl Lo Si Cl Lo	NCM NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): ES

Project Name: Copenhagen Wind Farm Phase IB Date: 8-29-13

Location/Setting: A7 To 31

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A7.15	0-10 10-30	10YR 4/6 10YR 5/7	Si Cl Lo Si Cl Lo	NCM
A7.16	0-25 25-35cm	10YR 3/6 10YR 5/7	Si Cl Lo Si Cl Lo	NCM
A7.17	0-20 20-30	10YR 4/4 10YR 5/7 Mottled w/ 7.5YR 5/8	Si Cl Lo Si Cl Lo	NCM
A7.18	0-20 20-30	10YR 4/4 10YR 5/7	Si Cl Lo Si Cl Lo	NCM
A7.19	0-20 20-35	10YR 4/4 mottled w/ 10YR 5/7 10YR 5/7	Si Cl Lo Si Cl Lo	NCM
A7.20	0-15 15-32	10YR 4/4 7.5YR 5/8	Si Cl Lo Si Cl Lo	NCM
A7.22	0-25 25-40	10YR 4/4 10YR 4/4 mottled w/ 10YR 5/7	Si Cl Lo Si Cl Lo	NCM
A7.29	0-30 30-40	10YR 4/4 10YR 5/6	Si Cl Lo Si Cl Lo	NCM
A7.30	0-20 20-30	10YR 4/4 10YR 5/7 mottled w/ 7.5YR 5/7	Si Cl Lo Si Cl Lo	NCM
A7.31	0-28 28-38	10YR 4/4 10YR 5/7 mott. w/ 7.5YR 5/7	Si Cl Lo Si Cl Lo	NCM NCM
A7.32	0-20 20-30	10YR 4/4 10YR 5/7 mottled w/ 10YR 3/6	Si Cl Lo Si Cl Lo	NCM

TRANSECT 3

TRANSECT 5

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Nick Dallar

Date: 8/29/13

Location/Setting:

A7 T31

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A7.22	0-25	~~5~~ 10YR 5/5	SiCLLO	NCM
	25-38	10YR 6/5	SiSALO	NCM
A7.23	0-25	10YR 4/5	SiCLLO	NCM
	25-40	10YR 6/6	SiSALO	NCM
A7.24	0-25	10YR 4/5	SiCLLO	NCM
	25-44	~~10YR 6/6~~ 7.5YR 5/8	SiSALO	NCM
A7.25	0-29	10YR 4/5	SiCLLO	NCM
	29-40	10YR 6/6	SiSALO	NCM
A7.26	0-23	10YR 4/5	SiCLLO	NCM
	23 35	10YR 6/6	SiSALO	NCM
A7.27	0-25	10YR 4/5	SiCLLO	NCM
	25-41	7.5YR 5/8	SiSALO	NCM
A7.28	0-23	10YR 4/5	SiCLLO	NCM
	23 32	10YR 5/6	SiSALO	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012 Excavator(s): ES

Project Name: Copenhagen Wind Farm Phase IB Date: 8-29-13

Location/Setting: AT T-31

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
AT. 33	0-24cm 24-37	10YR 4/5 10YR 5/6	SiCLLo CLLo	—
AT. 34	0-20 20-30	10YR 4/4 mottled w/10YR 5/6 10YR 5/6	Si Cl Lo Si Cl Lo	none
AT. 35	0-20 20-30	10YR 4/4 10YR 5/6	Si Cl Lo Si Cl Lo	none

transect 4

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): NICK

Date: 8/29/13

Location/Setting:

A7 T31

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A7.36	0 - 20	10YR 4/3	~~SiCLLo~~ SiLo	NCM
	20-34	10YR 6/4	SiCLLO	NCM
A7.37	0 - 23	10YR 4/3	SiLo	NCM
	23-33	10YR 6/4	SiCLLO	NCM
A7.38	0-26cm	10YR 4/6	SiCLLo	—
	26-37	mottled 10YR 4/6 + 6/2	SiCLLo	
A7.39	0-25	10YR 4/6	SiCLLO	NCM
	25-34	MOTTLED 10YR 4/6+6/2	CLLo	NCM
A7.40	0-24	10YR 4/6	SiCLLO	NCM
	24-34	MOTTLED 10YR 4/6+6/2	CLLO	NCM
A7.41	0-30	10YR 4/6	SiCLLO	NCM
	30-41	10YR 6/4	CLLO	NCM
A7.42	0-23	10YR 4/6	SiCLLO	NCM
	23-35	10YR 4/6	CLLO	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 9-23-13

Location/Setting: Turbine 32 ✓
old apple orchard

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A8.01	0-30 30-40	10yr 4/3 10yr 5/4	SaLo SaLo	NCM
A8.02	0-25 25-35	10yr 4/2 10yr 5/4	CLLo SiCL	NCM
A8.03	0-33 33-43	10yr 4/2 10yr 4/6	SaLo SaLo	NCM
A8.04	0-30 30-40	10yr 4/2 10yr 5/4	CLLo SiCL	NCM
A8.05	0-42 42-52	10yr 4/2 10yr 6/3	SaCLLo CLLo	NCM
A8.06	0-28 28-38	10yr 4/2 10yr 5/4	CLLo SiCL	NCM
A8.07	0-29 29-41	10yr 4/2 10yr 6/3	CLLo SiCL	NCM
BOT				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES

Date: 9-25-13

Location/Setting: A8 T-32

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A8.08	0-35 35-45	10YR 3/3 10YR 5/4	Si Lo Si Lo	NCM
A8.09	0-35 cm 35-45	10YR 3/4 10YR 5/4	Si Lo Si Lo	NCM
A8.10	0-30 cm 30-48	10YR 3/3 5YR 6/10	Si Cl Lo Si Cl Lo.	NCM
A8.11	0-35 35-45	10YR 3/3 10YR 5/4	Si Cl Lo Si Cl Lo	NCM
A8.12	0-25 25-35	10YR 3/3 10YR 5/3	Sa Cl Lo Sa Cl Lo	NCM
A8.15	~~29-42~~ 0-29 ~~42-54~~ 29-42	10YR 4/2 10YR 5/2	Cl Lo Sa Lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Colin Ely

Date: 9/24/13

Location/Setting: A8 - Turbine 32

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A8.15	0-40 40-50	10YR 3/4 10YR 5/5	Si Lo Cl Lo	NCM
A8.16	0-26 26-39	10YR 3/4 10YR 4/4, 4/6 mottled	Si Lo Cl Lo	NCM
A8.17	0-27 27-37	10YR 3/4 10YR 5/6	Si Lo Cl Lo	NCM
A8.18	0-28 28-38	10YR 3/4 10YR 5/6	Si Lo Cl Lo	NCM
A8.19	0-24 24-35	10YR 4/4 10YR 5/6	Si Lo Sa Lo	NCM
A8.20	0-26 26-36	10YR 4/4 10YR 5/6	Si Lo Sa Lo	NCM
A8.21	0-32 32-42	10YR 4/4 10YR 6/3	Si Lo Si Lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DT

Project Name: Copenhagen Wind Farm Phase IB Date: 9/24/13

Location/Setting: T32 · LEGACY APPLE ORCHARD/FIELD

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A8.22	0-40 40-50	10 YR 4/4 10 YR 5/4	silty loam silty clay	NCM
A8.23	0-40 40-50	10 YR 4/4 10 YR 5/2	silty loam silty clay	NCM
A8.24	0-30 30-40	10 YR 4/4 10 YR 5/2	silty loam silty clay	NCM
A8.25	0-40 40-50	10 YR 4/4 10 YR 5/2	silty loam silty clay	NCM
A8.26	~~0-40~~ 0-5 5-40 40-50	10 YR 3/2 10 YR 4/4 10 YR 5/2	silty loam organic silty loam sandy loam	NCM
A8.27	0-30 30-40	10 YR 4/4 10 YR 5/2	silty loam sandy loam	NCM
A8.28	0-29 29-34	10YR 3/2 10YR 5/2	SiLo SA Lo	NCM NCM
~~A8.~~				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012
Project Name: Copenhagen Wind Farm Phase IB
Excavator(s): DB
Date: 1-23-13

Location/Setting: turbine 32
old apple orchard

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A8. 29	0-30 30-40	10yr 4/3 10yr 5/4	SaLo SaLo	None
A8. 30	0-27 27-37	Same	Same	None lots of roots & cobbles
A8. 31	0-25 25-35	Same	Same	None
A8. 32	0-24 24-34	Same	Same	None
A8. 33	0-22 22-32	Same	Same	None
A8. 34	0-40 40-50	10yr 3/2 10yr 6/3	CLLo SACL	None
A8. 35	0-36 36-46	Same	Same	None
EOP				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): C S

Date: 9-25-13

Location/Setting: A8 T-32 orchard.

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A8.36	0-20 20-35	10YR 4/4 10YR 5/4	Si Lo Si Lo	None
A8.37	0-20 20-36	10YR 4/4 10YR 5/4	Si Lo Si Lo	Rejected By Roots
A8.38	0-25 25-35	10YR 4/3 10YR 5/4	Sa Lo Sa Lo	None
A8.39	0-20 20-32	10YR 4/3 10YR 5/4	Sa Lo Sa Si Lo	None
A8.40	0-35 35-40	10YR 3/4 10YR 3/4 + 5/4	Sa Cl Lo Sa Cl Lo	None Dense Cobbles/boulders None
A8.41	0-28 28-37	10YR 3/4 10YR 3/4 + 5/4	Si Lo Si Cl Lo	MCM MCM
A8.42	0-25 25-35	10YR 3/4 10YR 3/4 + 5/6	Si Lo Si Cl. Lo w/cobbles	None None

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DT, CE

Project Name: Copenhagen Wind Farm Phase IB Date: 9/24/13

Location/Setting: T32 Legacy apple orchard /field

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A8.43	0-35 35-40	10 YR 4/4 10 YR 5/2	silty loam silty loam	NCM
A8.44	0-20 20-30	10YR 4/4 10YR 5/3	Si Lo Si Lo	NCM
A8.45	0-30 30-40	10 YR 3/4 10 YR 5/3	silty loam silty loam	NCM
A8.46	0-28 28-42	10 YR 4/4 10 YR 6/5	silty Loam silty Loam	NCM
A8.47	0-28 28-40	10 YR 4/4 10 YR 5/5	Silty loam silty loam	NCM
A8.48	0-30 30-40	10 YR 4/4 10 YR 6/1	Silty loam Sandy clay	NCM gravels in subsoil
A8.49	0-50 50-60	10 YR 4/4 10YR 7/1	Si Lo Si Lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DT

Project Name: Copenhagen Wind Farm Phase IB Date: 9/24/13

Location/Setting: ~~T3~~ Access road to T31 + T32

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A9.1	0-28 28-38	10 YR 5/4 10 YR 8/8	Clay loam sandy clay	NCM
A9.4	0-30 30-40	10YR 5/4 10 YR 6/6	clay loam sandy clay	NCM
A9.7	0-30 30-40	10 YR 5/4 10 YR 7/8	Clay loam Sandy clay	NCM
A9.10	0-30 30-40	10 YR 5/4 10 YR 8/8	Clay loam sandy clay	NCM
A9.13	0-28 28-38	10 YR 5/4 10 YR 7/8	clay loam sandy clay	NCM
A9.16	0-31 31-41	10YR 5/4 10YR 6/6	Clay loam sandy Clay	NCM
A9.19	0-30 30-40	10 YR 5/4 10 YR 6/6	clay loam sandy clay	NCM
A9.22	0-27 27-38	10 YR 5/4 10 YR 6/6	Clay loam silty clay	NCM
A9.25	0-30 30-40	10 YR 5/4 10 YR 6/6	Clay loam silty clay	NCM
A9.28	0-26 26-36	10 YR 5/4 10 YR 6/6	Clay loam silty clay	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB

Date: 9-23-13

Location/Setting: access Rd. T31 - T32

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A9.02	0-27 27-37	~~10yr 8/8~~ 10yr 4/4 7.5yr 8/8	SaLo SaCl	NCM
A9.05	0-31 31-41	10yr 4/4 10yr 5/6	SaLo SaCl.	NCM some decayeing bedrock in sub
A9.08	0-32 32-42	10yr 4/4 10yr 5/4	SaLo SaCl	NCM
A9.11	0-30 30-40	10yr 4/4 10yr 5/4	SaLo SaCl	NCM
A9.14	0-30 30-40	Same	Same	NCM
A9.17	0-28 28-38	10yr 4/3 10yr 8/8	SaLo SaLo	NCM
A9.20	0-29 29-39	10yr 4/3 10yr 4/4	CLLo SaCl	NCM
A9.23	0-28 28-38	10yr 4/3 10yr 6/1	CLLo SiCl	NCM
A9.26	0-30 30-40	10YR 4/3 10YR 6/1 + 6/3	CLLo SiCl w/ sand, stone	NCM NCM
A9.29	0-30 30-40	10yr 4/4 10yr 8/8	SaLo CLLo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Emily Stanfill

Date: 9-25-2013

Location/Setting: A9 Access Rd. to T-32 and T31

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A9.03	0-30 30-46	10YR 4/4 10YR 5/8	Si Cl Lo Si Cl Lo	None
A9.06	0-7 7-15 15-25 25-35	10YR 3/4 10YR 4/4 10YR 5/4 10YR 5/6	Si Cl Lo Si Cl Lo Si Cl Lo Si Cl Lo	None
A9.09	0-30 30-46	10YR 4/5 10YR 5/7	Si Cl Lo Si Cl Lo	None None
A9.12	0-39 39-49	10YR 4/5 10YR 5/6	Si Cl Cl Lo	NCM
A9.15	0-35 35-45	10YR 4/5 10YR 7/3	Si Cl Lo Sa Cl Lo	None
A9.18	0-12 12-22	10YR 3/4 10YR 3/4 + 5/6	Sa Lo Sa Lo	Rejected by Rock None
A9.21	0-31 31-41	10YR 3/4 10YR 5/4	Sa Lo Sa Lo	NCM
A9.24	0-35 35-45	10YR 3/4 10YR 5/4	Sa Lo Sa Cl Lo	None
A9.27	0-40 40-55	10YR 3/4 10YR 5/4	Sa Lo Sa Cl Lo	NCM
A9.30	0-30 30-45	10YR 3/4 10YR 3/4 + 5/4	Sa Lo Sa Cl Lo	None

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DT, CE

Project Name: Copenhagen Wind Farm Phase IB Date: 9/24/13

Location/Setting: Access road to T31 & T32

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A9.31	0-25 25-35	10 YR 5/4 10 YR 5/6	silty loam silty clay	NCM
A9.34	0-27 27-37	10YR 5/4 10YR 6/6, 8/6	silty sandy loam Silty clay.	NCM
A9.37	0-28 28-38	10 YR 5/4 10 YR 5/2, 6/6 mottled	silty loam silty clay cobbles	NCM
A9.40	0-30 30-40	10 YR 5/4 10 YR 6/6	silty Loam silty clay	NCM
A9.43	0-25 25-35	10 YR 5/4 10 YR 6/6, 5/2 mottled	silty loam silty clay cobbles	NCM
A9.46	0-30 30-40	10 YR 5/4 10 YR 6/6	silty loam silty clay	NCM
A9.49	0-27 27-37	10 YR 5/4 10 YR 6/6	silty loam silty clay	NCM
A9.52	0-26 26-36	10YR 5/4 10YR 5/6	silty Loam silty Clay	NCM
A9.55	0-28 28-38	10 YR 5/4 10 YR 8/8, 5/2 + 5/6 mottled	silty loam silty clay cobbles	NCM
A9.58	0-28 28-37	10 YR 5/4 10 YR 6/6	silty loam silty clay	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 9-23-13

Location/Setting: access Rd T31- T32

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A9-32	0-26 26-40	10yr 4/3 7.5yR 4/6	Sa Lo Sa Lo	NCM
A9. 35	0-26 26-41	Same	Sa Lo Cl Lo	NCM
A9. 38	0-26 26-36	Same	Same	NCM
A9. 41	0-26 26-36	Same	Same	NCM
A9. 44	0-27 27-37	Same	Same	NCM
A9. 47	0-28 28-38	Same	Same	NCM
A9. 50	0-28 28-38	10yr 4/2 10yr 4/6	Same	NCM
A9. 53	0-30 30-40	Same	Same	NCM
A9. 56	0-30 30-40	Same	Same	NCM
A9. 59	0-30 30-40	Same	Same	NCM
A9. 62	0-31 31-41	Same	Same	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES, CE

Date: 9-25-13

Location/Setting: A9 access Rd T-31 + T32

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A9.33	0-27 27-39	10YR 3/4 10YR 5/6	Sa Lo Sa Cl Lo	NCM
A9.36	0-25 25-35	10YR 3/4 10YR 5/6	Sa Lo Sa Cl Lo	NCM
A9.39	0-30 30-40	10YR 4/4 10YR 4/4 + 8/1	Sa Lo. Sa Cl Lo	NCM NCM
A9.42	0-33 33-43	10YR 4/4 10YR 5/4	Sa Lo Sa Cl Lo	NCM
A9.45	0-25 25-35	10YR 4/4 10YR 5/4 + 8/2	Sa Lo Sa Lo	NCM
A9.48	0-25 25-35	10YR 4/4 10YR 8/2 + 6/2	Sa Lo Sa Cl Lo	NCM
A9.51	0-32 32-42	10YR 4/4 10YR 6/2	Sa Lo Sa Cl Lo	NCM
A9.54	0-30 30-45	10YR 4/4 10YR 2/1	Si Cl Lo Sa Cl Lo	
A9.57	0-29 29-39	10YR 4/4 10YR 6/4	Si Cl Lo Cl Lo	NCM
A9.60	0-25 25-35	10YR 4/4 10YR 5/6 + 8/2	Si Cl Lo Cl Lo	NCM
A9.63	0-32 32-42	10YR 4/4 10YR 5/6	Si Cl Lo Cl Lo	NCM
A9.66	0-30 30-45	10YR 4/4 10YR 5/6	Si Cl Lo Cl Lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DT

Project Name: Copenhagen Wind Farm Phase IB Date: 9/24/13

Location/Setting: Access road to T31 + T32

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A9.61	0-30 30-40	10 YR 5/4 10 YR 6/6	Silty loam silty clay	NCM
A9. 64	0-31 31-41	10YR 5/4 10YR 6/4	SiLo SiCl	NCM
A9. 67	0-32 32-42	10 YR 5/4 10 YR 6/6	Silty Loam Silty clay	NCM
A9.70	0-30 30-40	10 YR 5/4 10 YR 6/6	silty loam silty clay	NCM
A9.73	0-28 28-38	10YR 5/4 10YR 6/6	S. L S. Cl	NCM NCM
A9.76	0-31 31-41	10 YR 5/4 10 YR 6/6	silty loam silty clay	NCM
A9.74	0-32 32-42	10 YR 5/4 10 YR 6/6	silty loam silty clay	NCM
A9.82	0-29 29-40	10YR 5/4 10YR 6/6	S. L S. Cl	NCM NCM
A9.85	0-30 30-40	10 YR 5/4 10 YR 6/6	Si Lo Si Cl	NCM NCM
A9.88	0-34 34-44	10YR 5/4 10YR 8/2 6/7	S: Lo Clay	NCM NCM
A9.91	0-32 32-42	10 YR 5/4, 5/8, 4/2 mottled 10 YR 6/6, 4/2 mottled	Silty Loam clay loam	NCM NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 9.23.13

Location/Setting: access Rd T31 - T32

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A9.65	0-31 31-41	10yr 4/2 10yr 4/6	SaLo CLLO	NCM
A9.68	0-29 29-40	Same	Same	NCM
A9.71	0-27 27-37	Same	Same	NCM
A9.74	0-27 27-37	Same	Same	NCM
A9.77	0-31 31-41	10yr 4/2 10yr 6/1	SaLO SiCL	NCM
A9.80	0-32 32-42	Same	Same	NCM
A9.83	0-32 32-42	Same	Same	NCM
A9.86	0-32 32-42	Same	Same	NCM decomp. bedrock
A9.89	0-31 31-40	10YR 4/2 10YR 6/1	SaLo CLLO	NCM NCM
A9.92	0-15 15-33	10yr 4/2 10yr 6/1, 5/8	CLLO CL	NCM
A9.95	0-23 23-33	Same	Same	NCM
A9.98	0-28 28-38	10YR 4/2 10YR 6/1, 5/8	SAME	NCM NCM
A9.101	0-30 30-40	10yr 4/2 10yr 4/6	CLLO CLLO	NCM
A9.104	0-26 26-37	Same	Same	NCM
A9.107	0-26 26-36	Same	Same	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES, CD

Date: 9-25-13

Location/Setting: A9. T-31- T32 access Rd.

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A9.69	0-30 30-40	10YR 4/4 10YR 6/2	Sa Lo Sa Cl Lo	NCM
A9.72	0-27 27-37	10YR 4/4 10YR 6/6	Sa Lo Sa Cl Lo	NCM
A9.75	0-25 25-40	10YR 4/4 10YR 5/4 + 8/3	Sa Lo Sa Cl Lo	NCM
A9.78	0-31 31-41	10YR 4/4 10YR 6/6	Sa Lo Sa Cl Lo	1 cut nail NCM
A9.81	0-32 32-42	10YR 4/4 10YR 6/6	Si Lo Si Cl	NCM NCM
A9.84	0-30 30-40	10YR 4/4 10YR 5/6	Sa Cl Lo Si Cl Lo	NCM NCM
A9.87	0-41 41-51	10YR 4/4 10YR 5/6	Si Cl Lo Cl Lo	NCM
A9.90	0-30 30-45	10YR 4/4 10YR 5/6	Si Lo Si Cl Lo w/gravel	NCM
A9.93	0-25 25-35	10YR 4/4 10YR 5/6	Si Cl Lo Cl Lo	NCM
A9.96	0-29 29-39	10YR 4/4 10YR 5/6	Si Lo Si Cl Lo	NCM
A9.99	0-30 30-48	10YR 4/4 10YR 5/6 + 8/3	Si Cl Lo Cl Lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DT, CE, AK

Date: 9/24/13

Location/Setting: Access Road to T31 & T32

Shovel Test	Depth cmbs	Soil Color	Soil Texture	Artifacts/Comments
A9.94	0 - 30	10YR 5/4	Si Lo	NCM
	30 - 41	10YR 6/6 + 4/2	Si Cl	NCM
A9.97	0 - 26	10 YR 5/4	Si Lo	NCM
	26 - 36	10 YR 6/6 + 4/2 mottled	Si Cl cobbles.	NCM
A9.100	0 - 28	10 YR 5/4	Si Lo	NCM
	28 - 38	10 YR 6/6 + 4/2 mottled	Si Cl cobbles	
A9.103	0 - 20	10YR 5/4	Si Lo	NCM
	20 - 30	10YR 6/6 + 4/2 MOTTLED	Si Cl w/ DECOMP. SHALE	NCM
A9.106	0 - 15	10YR 5/4	Si Lo	NCM
	15 - 32	10YR 6/6 + 4/2 MOTTLED	Si Cl	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12114

Project Name: Great Bay Wind Farm Phase IB

Excavator(s): ES, CE

Date: 9-25-13

Location/Setting: A9 Access Rd T-31 + T-32

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A9.102	0-38 38-48	10YR 4/4 10YR 6/6	Si Loam Si Cl Lo	NCM
A9.105	0-25 25-38	10YR 3/4 10YR 5/6 + 8/3	Si Loam Si Cl Lo	NCM
A9.108	0-35 35-45	10YR 4/4 10YR 8/2	Si Loam Si Lo w/ gravel	Gravel sub NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Emilia Stanfill

Date: 9-16-2013

Location/Setting: A9 T-31 + T-3 access Rd

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A9.111	0-30	10YR 4/4	Si Cl Lo	Rejected by Rock
A9.114	0-30 30-40	10YR 4/4 10YR 5/4 + 8/3	Si Cl Lo Cl Lo	NCM
A9.117	0-35 35-45	10YR 4/4 10YR 5/6 + 8/3	Si Cl Lo. Cl Lo	NCM
A9.120	0-35 35-45	10YR 4/4 10YR 5/6 + 8/3	Si Cl Lo Si Cl Lo	NCM
A9.123	0-25 25-35	10YR 4/4 10YR 5/7	Si Cl Lo Cl Lo	NCM
A9.126	0-32 32-42	10YR 4/4 10YR 8/3, 5/7	Si Cl Lo Si Cl Lo	NCM
A9.129	0-35 35-45	10YR 4/4 10YR 5/7	Si Cl Lo Si Cl Lo	NCM
A9.132	0-30 30-40	10YR 4/4 10YR 5/7	Si Cl Lo Si Cl Lo	NCM
A9.135	0-32 32-42	10YR 4/4 10YR 5/7	Si Cl Lo Si Cl Lo	NCM
A9.138	0-35 35-45	10YR 4/4 10YR 5/6 + 8/3	Si Cl Lo Si Cl Lo	NCM
A9.141	0-30 30-40	10YR 4/4 10YR 5/6 + 8/3	Si Cl Lo Si Cl Lo	NCM
A9.147	0-34 34-44	10YR 4/4 10YR 5/6 + 8/3	Si Cl Lo Si Cl Lo	NCM
A9.144	0-30 30-40	10YR 4/4 10YR 5/6 + 8/3	Si Cl Lo Si Cl Lo	NCM
A9.150	0-27 27-37	10YR 4/4 10YR 8/3 + 6/8	Si Cl Lo Si Cl Lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DT, CE

Date: 4/25/13

Location/Setting: Access road to T31, T32

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A9.109	0-33 33-43	10 YR 5/4 10 YR 6/6	silty loam silty clay	NCM
A9.112	0-22 22-27 27-37	10YR 5/4 10YR 8/2 10YR 6/6	Si Lo Sa Cl Si Cl	NCM
A9.115	0-25 25-35	10 YR 5/4 10 YR 5/2, 6/6 mottled	Si Lo Si Cl cobbles	NCM
A9.118	0-35 35-45	10 YR 5/4 10YR 5/2, 6/6 mottled	Si Lo Si Cl cobbles	NCM
A9.121	0-25 25-35	10 YR 5/4 10 YR 6/6	Si Lo Si Cl	NCM
A9.124	0-22 22-32	10 YR 5/4 10 YR 6/6	Si Lo Si Cl	NCM
A9.127	0-25 25-35	10 YR 5/4 10 YR 6/6	Si Lo Si Cl	NCM
A9.130	0-30 30-40	10 YR 5/4 10 YR 6/6	Si Lo Si Cl	NCM
A9.133	0-26 26-36	10 YR 5/4 10 YR 6/6	Si Lo Si CL	NCM
A9.136	0-31 31-41	10YR 5/4 10YR 6/6	Si Lo Si Cl	NCM
A9.139	0-27 27-37	10 YR 5/4 10 YR 6/6	Si Lo Si Cl	NCM
A9.142	0-21 21-31	10 YR 5/4 10 YR 6/6	Si Lo Si Cl	NCM
A9.145	0-24 24-36	10 YR 5/4 10 YR 6/6	Si Lo Si Cl	NCM
A9.148	0-23 23-33	10 YR 5/4 10 YR 6/6	Si Lo Si Cl	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 9.24-13

Location/Setting: access Rd T31-T32 (day 2)

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A9.110	0.28 28-40	10yr 4/4 10yr 4/6	Sa Lo Cl Lo	NCM
A9.113	0-28 28-34 34-44	10YR 4/4 10YR 6/2 10YR 4/6	Si Lo Sa Cl Lo Cl Lo	NCM
A9.116	0.28 28.38	10yr 4/4 10yr 4/6	Sa Lo Cl Lo	NCM
A9.119	0.28 28.38	Same	Same	NCM
A9.122	0.31 31-43	10yr 4/3 10yr 6/6	Cl Lo Si Cl	NCM
A9.125	0.29 29-39	Same	Same	NCM
A9.128	0-34 34-44	10YR 4/4 10YR 6/8	Same	NCM
A9.131	0.31 31.41	10yr 3/2 7.5yr 5/8	Cl Lo Si Cl	NCM
A9.134	0.31 31-41	Same	Same	NCM
A9.137	0.31 31-41	Same	Same	NCM
A9.140	0.26 26.36	10yr 4/2 5yr 4/6	Si Lo Si Lo	NCM
A9.143	0.26 26.36	Same	Same	NCM
A9.146	0.25 25.35	Same	Same	NCM
A9.149 EOT	0.25 25 35	Same	Same	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Emily Stanfill

Date: 9-26-2025

Location/Setting: A10 Buried interconnect

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A10.02	0-30 30-40	10YR 4/4 10YR 5/6	Si Lo Si Lo	Ncm
A10.04	0-30 30-40	10 YR 5/4 10 YR 6/6	Si Lo Si Cl	NCM
A10.06	0-30 30-40	10YR 4/4 10YR 6/5	Si Lo Si Lo	Ncm
A.10.08	0-32 32-42	10 YR 5/4 10 YR 5/2	Si Lo friable shale bedrock	1 transfer wave 20cm bd NCM
A10.10	0-30 30-40	10YR 5/4 10YR 5/2	Si Lo friable shale	Ncm
A10.12	0-10 10-45 45-50	10 YR 3/2 10 YR 5/6 10 YR 5/2	Si Lo Si Cl Friable shale bedrock	NCM
A10.14	0-20 20-80cm	10YR 3/3 10YR 6/5	Si Lo Si Lo	NCM NCM
A10.16	0-30 30-40	10YR 3/3 10YR 6/5	Si Lo Si Lo	NCM NCM
A10.18	0-30 30-40	10 YR 3/3 10 YR 6/5	Si Lo Si Cl	NCM
A10.20	0-30 30-35	10YR 3/3 10YR 6/6	Si Lo Si Lo	Rejected by Bedrock NCM
A10.22	0-25 25-35	10 YR 3/3 10 YR 6/5	Si Lo Si Cl	NCM NCM
A10.24	0-32 32-45 45-55	10YR 3/3 10YR 2/1 + 6/1 10YR 6/2 + 5/4	Si Lo Si - Root Burn/Ash Si Cl	NCM NCM NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): CE, DB, TAK,

Date: 9-23-13

Location/Setting: Interconnect Line FOR T31, 32

Shovel Test	Depth cmbs	Soil Color	Soil Texture	Artifacts/Comments
A10.03	0-32 32-42	10YR 3/4 10YR 6/3	Si Lo Si Cl w/ SAPROLITES	NCM NCM
A10.01	0-33 33-43	10YR 3/4 10YR 6/3	Si Lo Si Clay w/ saprolites	NCM
A10.05	0-32 32-42	10YR 3/4 10YR 5/6	Si Lo Si Cl	~~NCM~~ (1) WW NCM
A10.07	0-29 29-39	10YR 3/4 10YR 5/6, 8/2	Si Lo Si Cl	NCM
A10.09	0-27 27-37	10YR 3/4 10YR 4/6	Si Lo Si Lo	1 whiteware NCM
A10.11	0-29 29-52	10YR 3/4 10YR 6/4	Si Lo Si Lo	NCM 52 cm → shale
A10.13	0-30 30-40	Same	Same	NCM
A10.15	0-26 26-36	10YR 3/4 10YR 6/4	Same	NCM
A10.17	0-27 27-37	Same	Same	NCM
A10.19	0-30 30-40	Same	Same	NCM
A10.21	0-30 30-40	Same	Same	NCM Some charred soil
A10.23	0-31 31-41	Same	Same	NCM
A10.25	0-30 30-40	10YR 3/4 10YR 5/2	Si Lo Si Cl	NCM Ashy burn after
A10.27	0-30 30-40	Same	Same	NCM
A10.29	0-28 28-38	Same	Same	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): FS, DT

Date: 9/26/13

Location/Setting: A.10 Buried Interconnect

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A 10.26	0-32 32-42	10YR 3/3 10YR 6/6	Si Lo Si Cl	NCM
A 10.28	0-35 35-45	10YR 3/3 10YR 8/3	Si Lo Si Cl	NCM
A10.30	0-27 27-37	10YR 3/3 10YR 6/6	Si Lo Si Cl	NCM
A10.32	0-25 25-35	10YR 3/3 10YR 5/6 + 8/3	Si Lo Si Cl	NCM
A10.34	0-28 28-30 30	10YR 3/3 10YR 6/6 10YR 5/2	Si Lo Si Cl friable shale	NCM
A10.36	0-20 20-30 30-40	10YR 3/3 7.5YR 5/8 10YR 3/1 + 5/6 + 5Y 8/2	Si Lo Si Lo Si Cl	NCM
A10.38	0-33 33-43	10YR 3/3 7.5YR 5/8	Si Lo Si Cl	NCM NCM
A10.40	0-28 28-38	10YR 3/3 10YR 5/6	Si Lo Si Cl	NCM
A10.42	0-30 30-42	10YR 4/4 10YR 5/6	Si Lo Si Cl	NCM
A10.44	0-25 25-35	10YR 4/4 10YR 6/6	Si Lo Si Cl	NCM
A10.46	0-40 40-50	10YR 4/4 10YR 6/6	Si Lo Si Cl	1 insulator Frag NCM
A10.48	0-25 25-35	10YR 4/4 10YR 6/6	Si Lo Si Cl	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB

Date: 9-23-13

Location/Setting: Interconnect line T31-T32

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A10.31	0-28 28-38	10yr 3/4 10yr 5/2	SiLo SiLo	NCM
A10.33	0-37 37-37	10YR 3/4 10YR 5/2	Si Lo Si Cl	MCM MCM
A10.35	0-30 30-40	10YR 3/4 10YR 5/2	Si Lo Si Cl	MCM MCM
A10.37	0-31 31-43	Same	Same	NC
A10.39 41	0-24 24-30 30-35	10YR 3/4 10YR 5/4+6/2 10YR 6/2	Si Lo Si Cl Si Cl + DENSE SAPROLITES	MCM MCM MCM
A10.41 43	0-30 30-40	10YR 3/4 10YR 5/6	Si Lo Si Cl	NCM
A10.39	0-31 31-41	Same	Same	NC
A10.45	0-32 32-42	10YR 3/4 10YR 5/6	Si Lo Si CL	NCM
A10.47	0-33 33-43	Same	Same	NC
A10.51	0-32 32-42	Same	Same	NCM
A10.49	0-33 33-43	Same	Same	NCM
A10.53	0-35 35-39	Same	Same	NCM bedrock@39cm
A10.55	0-32 32-42	Same	Same	NCM
A10.57	0-36 36-46	10yr 3/3 10yr 6/3	SiLo SiLo	NC

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): BS, DT, TAR

Date: 09.25.2013

Location/Setting: BURICO INTERCONNECT / ADJ. TO T 31.32

Shovel Test	Depth cm BS	Soil Color	Soil Texture	Artifacts/Comments
A10.50	0 - 28 28 - 38	10YR 4/4 10YR 5/6	Si Lo Si Lo	NCM NCM
A10.52	0 - 27 27-37	10 YR 4/4 10 YR 5/6	Si Lo Si Cl	NCM NCM
A10.54	0 - 30 30 - 40	10YR 4/4 7.5 YR 5/8	Si Lo Si Cl	NCM NCM
A10.56	0 - 28 28 - 38	10YR 4/4 7.5YR 5/8	Si Lo Si Cl	NCM NCM
A10.58	0 - 20 20 - 30	10 YR 4/4 7.5 YR 5/8	Si Lo Si Cl	NCM NCM
A10.60	0 - 30 30 - 40	10 YR 4/4 7.5 YR 5/8	Si Lo Si Cl	NCM
A10.62	0 - 30 30 - 40	10 YR 4/4 10 YR 5/6	Si Lo Si Cl	NCM
A10.64	0 - 27 27 - 37	10YR 4/4 10YR 5/6 + 8/2	Si Lo Si Cl	NCM 1 Window glass frag not collected
A10.66	0 - 30 30 - 40	10YR 5/4 10YR 5/6	Si Lo Si Cl	
A10.68	0 - 30 30 - 40	10 YR 4/4 10 YR 5/6	Si Lo Si Cl	NCM
A10.70	0 - 38 38 - 48	10 YR 4/4 10 YR 6/6	Si Lo Si Cl	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB CE

Date: 9-23-13

Location/Setting: Interconnect line T31-T32

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
A10.59	0-30 30-40	10yr 3/3 10yr 6/3	SA Lo SA Lo	NCM
A10.61	0-27 27-37	Same	Same	NCM
A10.63	0-31 31-41	Same	Same	NCM
A10.65	0-29 29-39	Same	Same	NCM
A10.67	0-28 28-38	10yr 3/3 7.5yr 4/6	Same	NCM
A10.69	0-30 30-40	Same	Same	NCM
A10.71	0-31 31-41	Same	Same	NCM
A10.73	0-35 35-45	Same	Same	NCM
A10.75	0-27 27-37	Same	Same	NCM
A10.77	0-33 33-43	Same	Same	NCM
A10.79	0-28 28-38	Same	Same	NCM
A10.81	0-37 37-47	Same	Same	NCM
A10.83	0-38 38-48	Same	Same	NCM
A10.85	0-38 38-48	Same	Same	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES, DT, TMK

Date: 09.25.2013

Location/Setting: buried interconnection / Ts 31, 32

Shovel Test	Depth cmbs	Soil Color	Soil Texture	Artifacts/Comments
A 10.72	0-34 34-44	10YR 4/4 10YR 6/6	S. Lo S. Cl	(1) stoneware NCM
A10.74	0-28 28-38	10YR 4/4 10YR 6/6	Si Lo Si Cl	NCM NCM
A10.76	0-30 30-40	10YR 4/4 10YR 6/6	Si Lo Si Cl	NCM
A10.78	0-32 32-42	10YR 4/4 10YR 5/1	Si Lo Si Cl	NCM NCM
A10.80	0-30 30-48	10YR 4/4 10YR 5/1	Si Lo Si Cl	NCM NCM
A10.82	0-21 21-31	10YR 4/4 10YR 5/6	Si Lo Si Cl	NCM
A10.84	0-22 22-32	10YR 4/4 10YR 5/6	Si Lo Si Cl lg. cobble	NCM
A10.86	0-25 25-35	10YR 4/4 10YR 5/6	Si Lo Si Cl	NCM
A10.88	0-32 32-42	10YR 4/4 10YR 6/6	Si Lo Si Cl	NCM
A10.90	0-25 25-35	10YR 4/4 10YR 5/6	Si Lo Si Cl	NCM
A 10.92	0-28 28-38	10YR 4/4 10YR 6/6	Si Lo Si Cl	NCM
A10.94	0-25 25-32 32-42	10YR 4/4 10YR 2/1 10YR 8/2	Si Lo Si Cl Si Cl	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB CE

Date: 9-23-13

Location/Setting: Interconnect line T31-T32

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D A10.87	0-37 37-47	10yr 3/3 10yr 6/4	SaLo SaLo	NCM
A10.89	0-29 29-35 35-45	10YR 2/2 10YR 2/1 10YR 6/3 + 5/8	SaLo SaLo SiCl	NCM
A10.91	0-38 38-48	10yr 3/2 10yr 6/3, 5/8	SaLo SaLo	NCM
A10.93	0-30 30-40	10YR 3/2 10YR 6/3 + 5/8	SaLo ClLo	NCM
A10.95	0-38 38-48	10yr 3/2 10yr 5/8, 6/4	SaLo ClLo	NCM
C A10.97	0-30 30-40	same	SaLo ClLo	NCM
D A10.99	0-35 35-45	10yr 3/3 10yr 5/6	SaLo SA	NCM
BOT				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DT, ES, TK

Date: 9/24/13

Location/Setting: Buried Interconnect T31, T32

Shovel Test	Depth cmbs	Soil Color	Soil Texture	Artifacts/Comments
A10.96	0 - 26	10YR 3/3	Si Lo	NCM
	26 - 32	10YR 5/6 + 6/3	Si Cl + SLATE, SITTLE	NCM
A10.98	0 - 25	10YR 4/4	Si Lo	NCM
	25-35	10YR 5/6	Si Cl cobbles	NCM
A10.100	0-35	10YR 4/4	Si Lo	None
	35-45	10YR 5/6	Si Sa	

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB

Date: 10-23-13

Location/Setting: open field

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
B5 03	0-32 32-42	10yr 3/3 10yr 6/4	SaLo SaLo	NC cobbles @ interface
B5. 06	0-31 31-41	Same	Same	NC
B5. 09	0-32 32-42	Same	Same	NC packed rocks @ interface
B5. 12	0-28 28-38	SAME	SAME	MCM
B5. 15	0-31 31-41	10yr 4/2 10yr 5/8	Same	NC
B5. 18	0-30 30-40	10yr 3/2 10yr 5/3	SaLo SaLo	NC
B5. 21	0-27 27-37	10yr 3/3 10yr 5/8	Same	NC
B5. 24	0-29 29-39	10YR 3/3 10YR 5/4	SaLo SaLo	MCM
B5. 27	0-32 32-42	10yr 3/3 10yr 5/8	SaLo SaLo	NC
B5. 30 EOT	0-38 38-48	10yr 3/2 10yr 3/4	SaLo SaLo	NC

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DC

Date: 10/23/13

Location/Setting: B5, hay field

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
B5.17	0-29 29-39	10 YR 3/2 10 YR 5/6	Sa lo Sa lo	NCM
B5.02	0-18 18-28	10 YR 3/2 10 YR 5/6	Sa lo Sa lo	NCM
B5.05	0-30 30-40	10 YR 3/2 10 YR 5/6	Sa lo Sa lo	NCM
B5.08	0-22 22-32	10 YR 3/3 10 YR 5/6	Sa si Sa lo	NCM
B5.11	0-35 35-45	10YR 3/3 10YR 6/3	Si Lo Si Cl	NCM
B5.14	0-25 25-35	10 YR 3/3 10 YR 5/6	Si lo Sa cl	NCM
B5.20	0-21 29-39	10 YR 3/3 10 YR 5/6	Si lo SA cl	NCM
B5.23	0-33 33-43	10 YR 3/3 10 YR 6/3	Si lo Sa cl	NCM
B5.26	0-37 37-47	10 YR 3/2 10 YR 5/6	Si lo Sa cl	NCM
B5.29	0-26 26-36	10YR 4/2 10YR 3/2	Si Lo Si Cl	NCM
~~B5~~				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): CF

Date: 10/23/13

Location/Setting: B5

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
BS. 16	0-30 30-40	10YR 4/3 10YR 6/6	SiLo SiLo	NCM
BS. 01	0-27 27-37	10YR 4/3 10YR 6/7	SiLo SiLo	NCM
B5. 04	0-41 41=cobbles	10YR 4/3 10YR 6/7	SiLo SiLo	NCM @ 41 cobble horizon
BS. 07	0-27 27-37	10YR 4/3 10YR 5/5	SiLo SiLo	NCM
BS. 10	0-61 -no sub	10YR 4/4	SaCl	NCM
BS. 13	0-30 30-40	10YR 4/4 10YR 4/5	SaCl SaCl	NCM
BS. 19	0-26 26-36	10YR 4/4 10YR 4/5	SaCl SaCl	NCM
B5. 22	10-30 30-10	10YR 4/4 10YR 4/5	SaLo SaCl	NCM
BS. 25	0-32 32-42	10YR 3/3 10YR 5/4	SaLo SaCl	NCM
BS. 28	0-36 36-40	Same	Same	NCM rock Impasse

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DC, CL

Date: 11/15/13

Location/Setting: ~~OtM1~~ B6

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
~~OtM.01~~ B6	0-27 27-37	10 yr 3/3 10 yr 6/6	si lo sa lo	NCM
OtM.02	0-25 25-30	10YR 3/3 10YR 6/6	Silo Salo	NCM Water impass
OtM.04	0-30	10YR 3/3	Silo	NCM Water impass
OtM.03	0-19 19-29	10 YR 3/3 10 yr 6/6	Silo Salo	NCM
OtM.05	0-12 12-23	10 yr 3/3 10 yr 6/6	Silo SAlo	NCM
OtM.06	0-25	10YR 3/2	Silo	NCM / Water impass
OtM.07	0-25 25-35	10 YR 3/2 10 yr 5/6	Silo SAlo	NCM Water table
OtM.08	0-27 27-37	10YR 3/2 10YR 5/6	Silo Salo	NCM
OtM.09	0-24 24-40	10 yr 3/2 10 yr 5/6	silo, wet SAlo, wet	NCM, wet
OtM.10	0-22cm	10YR 3/2 10YR 7/2 Reduced Matrix	Silo Salo	NCM, hydric Soils.
OtM.11	0-34 Rock impede	10 YR 3/2	si lo	NCM Rock 34 cmbs
OtM.12	0-28 28-38	10YR 3/2 10YR 7/2	Silo Silo	NCM NCM HYDRIC SOILS
B6				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): KSP

Date: 7/19/13

Location/Setting: C4

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C4.01	0-26 26-40	10YR 3/3 10YR 4/4	Silo Silo	NCM
C4.02	0-27 27-32	SAA SAA	Silo Silo	NCM ~20% rocks
C4.03	0-28 28-32 32+	SAA SAA solid rock	Silo Silo	NCM ~10% rocks
C4.04	0-20 20+	10YR 3/3 solid rock	Silo	NCM
C4.05	0-31 31-41	SAA 10YR 4/4	Silo Silo	NCM
C4.06	0-27 27-29 29+	SAA SAA Rock	Silo Silo	NCM
C4.07	0-30 30-35	SAA SAA	Silo Silo	NCM
C4.43	0-20 20-30	SAA SAA	Silo Silo	NCM
C4.44	0-20 20-30	SAA SAA	Silo Silo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ~~7/19/2013~~ SCH

Date: 7/19/2013

Location/Setting:

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C4.0~~38~~	Mono 0-24 Mono 24-48 48-	10yr 3/3 10yr 4/4 Rock impasse	Sicl lo Sicl lo	Ø
C4.~~08~~ 09	0-26 26-36	10yr 3/3 10yr 4/4	Sicl lo Sicl lo	Ø
C4.~~09~~ 10	0-24 24-	10yr 4/3 Rock impass Bedrock	Sicl lo	Ø
C4.~~10~~ 11	0-21 21-~~35~~	10yr 4/3 Rock impasse Bedrock	Sicl lo	Ø
C4.~~11~~ 12	0-16 16-22 22-	10yr 4/3 10yr 5/4 Rock impass Bedrock	Sicl lo Sicl lo	Ø
C4.~~12~~ 13	0-23 23-33	10yr 4/3 10yr 5/5	Sicl lo Sicl lo	Ø
C4.~~13~~ 14	0-24 24-34	10yr 4/3 10yr 4/6	Sicl lo Sicl lo	Ø

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): C. Bonn

Date: 7-19-13

Location/Setting: Turbine Site C.4
open Field

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C4. ~~14~~ 15	0-28 28-38	10yr 3/3 dk br 10yr 4/4 dk yl br	SiLo SiLo	NCM
C4. ~~15~~ 16	0.30 30-40	10yr 3/3 10yr 4/4	SiLo SiLo	NCM
C4. ~~16~~ 17	0.25 25-35	10yr 3/3 10yr 4/4	SiLo SiLo	NCM
C4. ~~17~~ 18	0.18 Bedrock	10yr 3/3	SiLo	NCM
C4. ~~18~~ 19	0.15 Bedrock	10yr 3/3	SiLo	NCM
C4. ~~19~~ 20	0.28 28-38	10yr 3/3 10yr 4/4	SiLo SiLo	NCM
C4 ~~20~~ 21	0.28 28-38	10yr 3/3 10yr 4/4	SiLo SiLo	NCM
C4 37	0.27 27-37	10yr 3/3 10yr 4/4	SiLo SiLo	NCM

draw a line to separate shovel tests

14 15
7 8 9

49.

Archeological Survey Field Record Sheet

edr

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 7-19-13

Location/Setting: Turbine C.4

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C4.21	0-28 28-38	10yr 3/3 dk br 10yr 4/4 dk yl br	silo silo	NCM
C4.23	0-26 26-30	10yr 3/3 10yr 4/4	silo silo	NCM bedrock @ 30 cmbs
C4.24	0-26	10yr 3/3	silo	NCM bedrock @ 26 cmbs
C4.25	0-15	10yr 3/3	silo	NCM bedrock @ 15 cmbs
C4.26	0-15	Same	Same	NCM Same
C4.~~26~~ 27	0-20	Same	Same	NCM bedrock @ 20 cmbs
C4.28 BOT	0-17	Same	Same	NCM bedrock @ 17 cmbs

draw a line to separate shovel tests

.l Survey Field Record Sheet

edr Project #: 12012
Project Name: Copenhagen Wind Farm Phase IB
Excavator(s): EMM, SCH
Date: 7/19/13

Location/Setting:

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
CA. 29	0-20cm 20-25 25-35	10YR4/3 10YR 5/5 10YR 6/2	SiLo SiLo SiLo	— bedrock @ 35
CA. 30	0-18cm 18-22	10YR 3/3 10YR 5/4	SiCLo SiCLo	bedrock @ 22 —
CA. 31	0-16cm bedrock	10YR4/3	SiLo	—
CA. 32	0-18cm bedrock	10YR4/3	SiCLo	—
CA. 33	0-24cm bedrock	10YR 4/3	SiLo	—
CA. 34	0-22 cm 22-30 bedrock	10YR4/3 10YR 5/4	SiLo SiLo	—
CA. 35	0-24cm bedrock	10YR4/3	SiLo rock impass	—

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB CB

Date: 7-19-13

Location/Setting: Turbine - C4
Open Field

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C4.36	0-26 26-36	10yr 3/3 dk br 10yr 4/4 dk yl br	SiLo SiLo	None bedrock @ 36 cmbs
C4.38	0-24	10yr 3/3	SiLo	None bedrock @ 24 cmbs
C4.39	0-24	Same	Same	None
C4.40	0-23	Same	Same	None

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): KSP

Date: 7/19/13

Location/Setting: C4

	Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
	C4.45	0-28 28-30 30+	10YR 3/3 10YR 4/4 ROCK	Silo Silo	NCM
	C4.46	0-19 19+	10YR 3/3 ROCK	Silo	NCM
SH	C4.47	0-20 20-26 26+	10YR 4/3 10YR 3/6 Bedrock	Silo Silo	NCM
	C4.48	0-27 27-30 30+	10YR 3/3 10YR 3/6 ROCK	Silo Silo	NCM
SH	C4.49	0-21 21-31	SAA SAA	Silo Silo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 7-19-13

Location/Setting: Turbine C5

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C5.08	0-18	10yr 3/3	SiLo	None bedrock @ 18 cmbs
C5.09	0-18	10yr 3/3	SiLo	None bedrock @ 18 cmbs
C5.10	0-24 24-34	10yr 3/3 10yr 4/4	SiLo	None
C5.11	0-24 24-34	Same	Same	None bedrock @ 34 cmbs
C5.12	0-26 26-36	Same	Same	None
C5.13	0-19	10yr 4/4	SiLo	None bedrock @ 19 cmbs
C5.14 EOT	0-14	Same	Same	None bedrock @ 14 cmbs
C48	0-21 21-33	10yr 3/3 10yR 5/4	SiLo SiCL	None
C49	0-20 20-30	10yR 4/3 10yr 5/4	SiLo SiCL	None

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): C. Bonn

Date:

Location/Setting:

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
CS 1	0 - 20 Bedrock	10yr 3/3 ~~10yr 4/4~~	Silo	NCM
CS 2	0 - 18 Bedrock	10yr 3/3	Silo	NCM
CS 3	0 - 30 30 - 40	10yr 3/3 10yr 4/4	Silo Silo	NCM
CS 4	0 - 18 Bedrock	10yr 3/3	Silo	NCM
CS 5	0 - 20 20 - 30	10yr 3/3 10yr 4/4	Silo Silo	NCM
CS 6	0 - 20 Bedrock	10yr 3/3	Silo	NCM
CS 7	0 - 10 Bedrock	10yr 3/3	Silo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): KSP

Date: 7/19/13

Location/Setting: C5

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C5.15	0-18 18+	10YR 4/3 Bedrock	silo	NCM
C5.16	0-30 30+	SAA SAA	silo	NCM
C5.17	0-20 20-30	10YR 4/3 10YR 3/6	silo silo	NCM
C5.18	0-26 26-29 29+	SAA SAA Bedrock	silo silo	NCM
C5.19	0-20 20-23 23+	10YR 3/3 10YR 3/6 Bedrock	silo silo	NCM
C5.20	0-16 16-19 19+	SAA SAA Bedrock	silo silo	NCM
C5.21	0-10 10+	10YR 3/3 Bedrock	silo	NCM
C5.44	0-20 20-25 25+	SAA 10YR 3/6 Bedrock	silo silo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): SCH

Date: 7/19/2013

Location/Setting:

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C5.22	0-21 21-	10yr4/3 Bedrock	Sicl lo	Ø
C5.23	0-20 20-	10yr 4/3 Bedrock	Sicl lo	Ø
C5.24	0-14 14-25	10yr 4/3 10yr 4/6	Sicl lo Sicl lo	Ø
C5.25	0-30 30-	10yr 4/3 Bedrock	Sicl lo	Ø
C5.26	0-24 24-	10yr 4/3 Bedrock	Sicl lo	Ø
C5.27	0-27 27-37	10yr 4/3 10yr 4/6	Sicl lo Sicl lo	Ø
C5.28	0-18 18-28	10yr 4/3 10yr 4/6	Sicl lo Sicl lo	Ø

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): FMM

Date: 7/19/13

Location/Setting:

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C5.~~36~~29	0-19cm bedrock	10YR4/3	silo	—
C5.~~37~~30	0-23cm 23-42	10YR4/3 10YR4/4	silo silo	—
C5.~~38~~31	0-24cm bedrock	10YR4/3	silo	—
C5.~~39~~32	0-16cm 16-25 bedrock	10YR4/3 10YR4/4	silo silo	—
C5.~~40~~33	0-31cm 31-42	10YR4/3 10YR4/4	silo silo	—
C5.~~41~~34	0-22cm 22-36	10YR4/3 10YR5/5	silo silo	—
C5.~~42~~35	0-30cm 30-44	10YR4/3 10YR4/6	silo silo	—

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): TAK

Date: 07-19-2013

Location/Setting:

Shovel Test	Depth CMBS	Soil Color	Soil Texture	Artifacts/Comments
C5.36	I 0-25	10YR 3/3 · Ap2	S, Lo	MCM · REFUSAL @ BEDROCK
C5.37	I 0-25	10YR 3/3 · Ap2	S, Lo	MCM
	II 25-31	10YR 3/6	S, Cl Lo	MCM - BEDROCK/SAPROLITES
C5.38	I 0-20	10YR 3/3 · Ap2	S, Lo	MCM
	II 20-25	10YR 3/6	S, Cl Lo	MCM - BEDROCK/SAPROLITES
C5.39	I 0-18	10YR 3/3	S, Lo	MCM
	II 18-24	10YR 3/6	S, Cl Lo	MCM - BEDROCK
C5.40	I 0-20	10YR 3/3	S, Lo	MCM
	II 20-28	10YR 3/6	S, Cl Lo	MCM · BEDROCK/SAPROLITES
C5.41	I 0-22	10YR 3/3	S, Lo	MCM
	II 22-33	10YR 3/6	S, Cl Lo	MCM
C5.42	I 0-29	10YR 3/2	S, Lo	MCM
	II 29-39	10YR 3/6	S, Cl Lo	MCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): SCIT

Date: 7/19/2013

Location/Setting:

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
CS.43	0-23 23-	10yr 4/3 Bedrock	Sicl lo	Ø
CS.45	0-21 21-	10yr 4/3 Bedrock	Sicl lo	Ø

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): KSP

Date: 7/19/13

Location/Setting: C5

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C5.46	0-22	10YR 3/3	Silt	NCM
	22-32	10YR 3/6	Silt	

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): FMM

Project Name: Copenhagen Wind Farm Phase IB Date: 7/22/13

Location/Setting:

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C7.29	0-33cm bedrock	10YR 3/3	SiLo	heavily saprolitic
C7.30	0-11cm 11-23	10YR 3/3 10YR 3/4	SiLo SiLo	saprolitic
C7.31	0-20cm bedrock	10YR 3/3	SiLo	heavily saprolitic
C7.32	0-13cm 13-27 bedrock	10YR 3/3 10YR 4/4	SiLo SiLo	saprolitic
C7.33	0-19cm 19-34	10YR 3/3 10YR 4/4	SiLo SiLo	—
C7.34	0-9cm 9-19 bedrock	10YR 3/3 10YR 4/4	SiLo SiLo	—
C7.42	0-19cm bedrock	10YR 3/3	SiLo	heavily saprolitic
C7.07	0-12cm 12-19 bedrock	10YR 3/2 10YR 3/4	SiLo SiLo	—
C7.06	0-17cm 17-29 bedrock	10YR 3/3 10YR 3/4	SiLo SiLo	heavily saprolitic
C7.05	0-11cm 11-25 bedrock	10YR 3/3 10YR 3/4	SiLo SiLo	heavily saprolitic
C7.04	0-17cm 17-28 bedrock	10YR 3/3 10YR 3/4	SiLo SiLo	heavily saprolitic
C7.02	NA	NA	NA	rock impass
C7.03	0-20cm 20-30	10YR 3/3 10YR 3/6	SiLo SiLo	saprolitic
C7.01	0-10 CM	10YR 3/3	SiLo	BEDROCK REFUSAL

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): TAK

Date: 07-22-2013

Location/Setting: T2 / SUCCESSIONAL FIELD

Shovel Test	Depth CMBS	Soil Color	Soil Texture	Artifacts/Comments
C7.43	0-29	10YR 3/3	S, Lo	NCM
	29-40	10YR 3/6	S, Cl Lo	NCM
C7.44	0-20	10YR 3/3	S, Lo	NCM
	20-30	10YR 3/6	S, Cl Lo	NCM
C7.45	0-20	10YR 3/3	S, Lo	NCM
	20-30	10YR 3/6	S, Cl Lo w/ SAPROLITES	NCM
C7.46	0-22	10YR 3/3	S, Lo	NCM
	22-32	10YR 3/6	S, Cl Lo	NCM
C7.47	0-18	10YR 3/3	S, Lo	NCM
	18-28	10YR 3/6	S, Cl Lo	NCM
C7.48	0-25	10YR 3/3	S, Lo	NCM
	25-35	10YR 3/6	S, Cl Lo	NCM
C7.49	0-27	10YR 3/3	S, Lo	NCM
	27-30	10YR 3/6 SAPROLITES	S, Cl Lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): KSP

Date: 7/22/2013

Location/Setting: C7

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C7.10	0-28 28+	10YR 4/3 Bedrock	silo	NCM
C7.09	0-20 20+	10YR 4/3 Bedrock	silo	NCM
C7.08	0-12 12-29 29+	10YR 4/3 10YR 5/4 Bedrock	silo silo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): KSP

Project Name: Copenhagen Wind Farm Phase IB Date: 7/22/2013

Location/Setting: C7

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C7.22	0-22 22-26	10YR 3/3 ~~10YR 8~~	silo Saprolite	NCM NCM
C7.23	0-26 26-29	10YR 3/3 10YR 4/4	silo silo & mainly Saprolite	NCM NCM
C7.24	0-17 17-27	10YR 3/4 10YR 4/4	silo sicl	NCM
C7.25	0-18 18-20 20+	10YR 3/4 10YR 4/4 Bedrock	silo sicl	NCM
C7.26	0-18 18-28	10YR 3/4 10YR 4/6	silo sicl	NCM
C7.27	0-12 12+	10YR 3/4 Bedrock/Saprolite	silo	NCM
C7.28	0-5 5+	10YR 3/4 Saprolite	silo	NCM
C7.14	0-16 16+	10YR 3/4 Saprolite	silo ~~silo~~	NCM
C7.13	0-2 2+	10YR 3/4 Saprolite/Bedrock	silo	NCM
C7.12	0-3 3+	10YR 3/4 Bedrock/Saprolite	silo	NCM
C7.11	0-22 22+	10YR 3/4 Saprolite/Bedrock	silo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012 Excavator(s): SCH

Project Name: Copenhagen Wind Farm Phase IB Date: 7/22/13

Location/Setting:

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C7.21	0 - 19 19 -	10yr 3/3 10y 3/6	Sicllo Sicllo	Ø
C7.20	0-14 14 -	10yr 3/3 ~~10yr 3/6~~ Rock impasse	Sicllo ~~Sicllo~~	Ø
C7.19	0-23 23 -	10yr 3/3 Bedrock	Sicllo Rock impasse	Ø
C7.18	0-16 16-26	10yr 3/3 10yr 3/6 ~~Bedrock~~	Sicllo Sicllo ~~Rock impa~~	Ø
C7.17	0-17 17-27	10yr 3/ 10yr 3/6	Sicllo Sicllo	Ø
C7.16	0-13 13-20 20 -	10yr 3/3 10yr 3/6 Bedrock	Sicllo Sicllo Rock Impasse	Ø
C7.15	0-18 18 -	10yr 3/3 Bedrock	Sicllo Rock Impasse	Ø

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): SCH

Date: 7/22/13

Location/Setting:

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C7.36	0-17 17-27	10yr 3/3 10yr 3/6	Sicllo Sicllo	Ø
C7.35	0-23 23-33	10yr 3/3 10yr 3/6	Sicllo Sicllo	Ø
C7.34	0-16 16-~~25~~	10yr 3/3 Bedrock	Sicllo Rock impasse	Ø
C7.33	0-14 14-	10yr 3/3 Bedrock	Sicllo Rock impasse	Ø
C7.32	0-22 22-32	10yr 3/3 10yr 3/6	Sicllo Sicllo	Ø
C7.31	0-12 12-	10yr 3/3 Bedrock	Sicllo Rock impasse	Ø
C7.30	0-16 16-~~25~~	10yr 3/3 Bedrock	Sicllo Rock impasse	Ø

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): EMM

Date: 7/22/13

Location/Setting:

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
CS.01	0-17cm ~~17-30~~ 17-36	10YR 3/4 7.5YR 4/6	silo silo	—
CS.02	0-12cm 12-31	10YR 3/4 7.5YR 4/6	silo silo	—
CS.03	0-12cm 12-30	10YR 3/4 7.5YR 4/6	silo silo	—
CS.04	0-12cm 12-28	10YR 3/4 7.5YR 3/5	silo silo	—
CS.005				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): SCH

Date: 7/22/13

Location/Setting:

T3

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C8.08	0-14 14-17 17-	10yr 3/3 10yr 3/6 Bedrock	Sicl lo Sicl lo Rock impasse	Ø
C8.09	0-13 13-20 20-	10yr 3/3 ~~10~~ 7.5yr 4/6 Bedrock	Sicl lo Sicl lo. Rock impasse	Ø
C8.10	0-16 16-26	10yr 3/3 7.5yr 4/6	Sicl lo Sicl lo	Ø
C8.11	0-18 18-28	10yr 3/3 7.5yr 4/6	Sicl lo Sicl lo	Ø
C8.12	0-14 14-	10yr 3/3 Bedrock	Sicl lo Sicl lo	Ø
C8.13	0-12 12-24	10yr 3/3 10yr 4/6	Sicl lo Sicl lo	Ø
C8.14	0-19 19-29	10yr 3/3 10yr 4/6	Sicl lo Sicl lo	Ø

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): KSP

Date: 7/22/2013

Location/Setting: ~~[illegible]~~ CP / Turbine 3

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
CP.05	0-12 12-24	10YR 4/3 7.5YR 5/6	silo sicl	NCM
CP.16	0-16 16-28	10YR 4/3 7.5YR 5/6	silo sicl	NCM
CP.17	0-15 15-30	10YR 4/3 7.5YR 5/6	silo sicl	NCM
CP.18	0-18 18-30	10YR 4/3 7.5YR 5/6	silo sicl	NCM Rocks on SFC
CP.19	0-8 8-20	10YR 4/3 7.5YR 5/6	silo sicl	NCM
CP.20	0-17 17-27	10YR 4/3 ~~7.5YR 5/6~~ 10YR 5/4	silo sicl	NCM
CP.21	0-17 17-27	10YR 4/3 7.5YR 5/6	silo sicl	NCM
CP.35	0-13 13-23	10YR 4/3 7.5YR 5/6	silo sicl	NCM
CP.34	0-17 17+	10YR 3/3 Bedrock	silo	NCM
CP.33	0-11 11-21	10YR 4/3 10YR 5/4	silo sicl	NCM
CP.32	0-14 14-24 24+	10YR 4/3 ~~7.5~~ 10YR 5/4 Saprolite	silo sicl	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): JAK

Project Name: Copenhagen Wind Farm Phase IB Date: 07-22-23/2013

Location/Setting: T3 / SUCCESSIONAL WOODLAND - HARDWOODS

Shovel Test	Depth CMBS	Soil Color	Soil Texture	Artifacts/Comments
C8.22	0 - 20	10YR 3/2	S. Lo	MCM
	20 - 25	7.5YR 4/6	S. Lo	MCM w/ BEDROCK REFUSAL
C8.23	0 - 35	10YR 3/3	S. Lo	MCM } TREE HUMMOCK MOUND
	35 - 45	10YR 3/6	S. Lo w/ SAPROLITES	MCM } TREE HUMMOCK MOUND
C8.24	0 - 15	~~3/6~~ 10YR 3/2	S. Lo	MCM
	15 - 28	10YR 4/6	S. Lo	MCM
C8.25	0 - 10	10YR 3/1	S. Lo	MCM - REFUSAL @ BEDROCK
C8.26	0 - 15	10YR 3/1	S. Lo	MCM
	15 - 20	7.5YR 4/6	S. Lo	MCM REFUSAL @ BEDROCK
C8.27	0 - 15	10YR 3/1	S. Lo	MCM
	15 - 25	7.5YR 4/6	S. Lo	MCM
C8.28	0 - 12	10YR 3/3	S. Lo	MCM
	12 - 22	7.5YR 5/8	S. Cl Lo	MCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): FMM

Date: 7/23/13

Location/Setting: T3

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C8.05	0-20cm bedrock	10YR 3/3	silo	heavily saprolitic
C8.06	0-11cm 11-27	10YR 3/4 7.5YR 4/6	silo silo	–
C8.07	0-12cm 12-27 bedrock	10YR 3/4 7.5YR 3/6	silo silo	–
C8.49	0-24cm 24-37	10YR 3/3 7.5YR 3/6	silo silo	–
C8.48	0-9cm 9-35	10YR 3/4 7.5YR 3/6	silo silo	–
C8.47	0-15cm 15-28	10YR 3/3 7.5 10YR 4/6	silo silo	–
C8.46	0-13cm 13-28 bedrock	10YR 3/3 7.5 10YR 3/4	silo silo	–
C8.45	0-8cm 8-17 bedrock	10YR 3/3 7.5YR 4/6	silo silo	–
C8.44	0-12cm bedrock	10YR 3/3	silo	–
C8.43	0-10cm 10-29	10YR 3/3 7.5 4/6	silo silo	–

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): KSP

Date: 7/23/2013

Location/Setting: C8 / Turbine 3

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C8.31	0-10 10+	10YR 3/3 Saprolite	silo	NCM
C8.30	0-12 12+	10YR 3/3 Saprolite	silo	NCM
C8.29	0-11 11-21 21+	10YR 3/3 7.5YR 5/6 Saprolite	silo sicl	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): SCH

Date: 7/22/13

Location/Setting:

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C8.42	0-13 13-23	10yr 3/2 10yr 5/6	Sicl o Sicl o	Ø
C8.41	0-6 6-24 24-	10yr 3/3 10y 5/4 Bedrock	Sicl o Sicl o Rock impasse	Ø
C8.40	0-15 15-25	10yr 3/3 10yr 5/4	Sicl o Sicl o	Ø
C8.39	0-18 18-	10yr 3/3 Bedrock	Sicl o Rock impasse	Ø
C8.38	0-13 13-	10yr 3/3 Bedrock	Sicl o Rock impasse	Ø
C8.37	0-16 16-26	10yr 3/3 10yr 5/5	Sicl o Sicl o	Ø
C8.36	0-18 18-	10yr 3/3 Bedrock	Sicl o Rock impass	Ø

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): NICK Oller

Date: 8/28/13

Location/Setting:

C9 T15

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C9.01	0-27	10YR 3/2	SiLO	NCM
	27-36	10YR 5/6	SiSALO	NCM
C9.02	0-28	10YR 3/2	SiLO	NCM
	28-39	10YR 5/4	SiSALO	NCM
C9.03	0-23	10YR 3/2	SiLO	NCM
	23-34	10YR 6/6	SiSALO	NCM
C9.04	0-28	10YR 3/2	SiLO	NCM
	28-38	10YR 5/6	SiSALO	NCM
C9.05	0-20	10YR 3/2	SiLO	NCM
	20-30	10YR 5/6	SiSALO	NCM
C9.06	0-25	10YR 3/2	SiLO	NCM
	25-32	10YR 5/6	SiSALO	NCM
C9.07	0-22	10YR 3/2	SiLO	NCM
	22-33	10YR 5/6	SiSALO	NCM

Bed Rock Reject

Bed Rock Reject

Bed Rock Reject

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Colin Ely

Date: 8/28/13

Location/Setting: C9 @ T15 in the woods

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C9.8	0-39 39-48 bedrock rejection	10YR 3-2 10YR 5-6	Si Lo Si Cl Lo	NCM NCM
C9.9	0-26 26-36 BR	10YR 3-2 10YR 5-6	Si Lo Si Cl Lo	NCM NCM
C9.10	0-23 23-33 BR	10YR 3-2 10YR 5-6	Si Lo Si Cl Lo	NCM NCM
C9.11	0-23 23-36 BR	10YR 3-2 10YR 6-6	Si Lo Si Lo	NCM NCM
C9.12	0-29 BR	10YR 3-2	Si Lo	NCM
C9.13	0-28 28-34	10YR 3-2 10YR 5-6	Si Lo Si Cl Lo	NCM NCM
C9.14	0-24 24-33	10YR 3-2 10YR 5-6	Si Lo Si Cl Lo	NCM NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES

Date: 8-28

Location/Setting: C9. T15

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C9.15	0-20cm 20-25cm	10YR 3/2 10YR 5/6	Si Clay Loam Sa Cl Loam	None Stopped by Roots
C9.16	0-25 25-35cm	10YR 3/2 10YR 5/6	Si Cl lo Sa Cl lo	None
C9.17	0-30 30-35	10YR 3/2 10YR 5/6	Si Cl lo Si Cl lo	Rejected by Bedrock None
C9.18	0-25 25-32	10YR 3/3 10YR 5/6	Si Cl lo Si Cl lo	Rejected by Bedrock None
C9.19	0-25	10YR 3/2	Si Clay lo	Rejected by Bedrock
C9.20	0-15 15-23	10YR 3/3 10YR 5/6 mottled w/ 10YR 5/2	Si Clay lo Si Clay lo	Rejected by Bedrock
C9.21	0-20 20-27	YR 3/3 10YR 5/6	Si lo Sicl lo	Rejected by Bedrock

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): FMM

Project Name: Copenhagen Wind Farm Phase IB Date: ~~8/26/13~~ 8/28/13

Location/Setting: ~~Access road to Turbine 27, adjacent to Dit grid, running roughly West~~ Grid around T15; property of Patricia E. Peebles, medium thorny brush w/ apple trees

Shovel Test	Depth cmBS	Soil Color	Soil Texture	Artifacts/Comments
C9.22	0-37cm 37-47 bedrock	10YR3/2 10YR 6/5	~~SiCLo~~ SiLo SiSaLo	—
C9.23	0-32cm 32-37 rock impasse	10YR3/2 10YR 5/6	SiCLo SiLo	—
C9.24	0-26cm 26-34 34-43 rock impasse	10YR 3/2 10YR 4/6 10YR 6/2	SiLo SaSiLo SaSiLo	—
C9.25	0-20cm 20-28	10YR 3/3 10YR5/6	~~Si~~ SiLo SiLo	—
C9.26	0-23cm 23-32 32-38 rock impasse	10YR 3/2 10YR 5/4 10YR6/5	SiLo SiCLo SiCLo	—
C9.27	0-29cm 29-36 rock impasse	10YR 3/3 10YR 6/5	SiLo SiCLo	—
C9.28	0-24cm 24-29	10YR 3/2 10YR 5/4	SiLo SiCLo	—
C9.36	0-25 25-35	10YR 3/2 10YR 6/5	SiLo SiCLo	MCM MCM
C9.37	0-25 25-35	10YR 3/3 10YR 6/5	SiLo SiCLo	MCM MCM
C9.38	0-25cm 25-38 rock impasse	10YR3/3 10YR6/5	SiLo SiCLo	—
C9.39	0-23cm 23-30 rock impasse	10YR 3/3 10YR 6/6	SiLo SiCLo	—
C9.40	0-23cm 23-34 rock impasse	10YR 3/3 10YR 6/6	SiLo SiCLo	—
C9.41	0-18cm 18-28 28-33 rock impasse	10YR3/3 10YR 5/5 10YR7/3	SiLo SiCLo SiCLo	—
C9.42	0-30cm 30-42 rock impasse	10YR3/3 10YR5/4	SiLo SiCLo	—

Transect #4

Transect 6

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): NICK Dallier

Date: 8/28/13

Location/Setting: C9-TL5

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C9.29	0-29	10YR 3/2	SiLO	NCM
	29-38	10YR 5/6	SiSALO	NCM
C9.30	0-27	10YR 3/2	SiLO	NCM
	24-47	10YR 5/6	SiSALO	NCM
C9.31	0-35	10YR 3/2	SiLO	NCM
	35-44	10YR 5/6	SiSALO	NCM
C9.32	0-23	10YR 3/2	SiLO	NCM
	23-28	10YR 5/6	SiSALO	NCM BED ROCK REJECT
C9.33	0-27	10YR 3/2	SiLO	NCM BED ROCK REJECT
C9.34	0-26	10YR 3/2	SiLO	NCM
	26-37	10YR 5/8	SiSALO	NCM BED ROCK REJECT
C9.35	0-26	10YR 3/2	SiLO	NCM
	26-31	10YR 5/8	SiSALO	NCM BED ROCK REJECT

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): BS

Project Name: Copenhagen Wind Farm Phase IB Date: 8-28-2013

Location/Setting: C9 T15

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C9.43	0-25 25-30	10YR 3/2 10y 5/6	Si Clay Lo Si Lo	NCM Rejected by Bedrock
C9.44	0-25 25-35	10YR 3/2 10YR 5/6	Si Clay Lo Si Lo	NCM
C9.45	0-25 25-35	10YR 3/3 10YR 5/6 mottled w/ 10YR 4/6	Si Clay Lo Si Lo	NCM
C9.46	0-30 30-40	10YR 3/3 10YR 4/6 mottled w/ 10yr 5/7	Si Clay Lo Si Lo	NCM
C9.47	0-28 28-38	10YR 3/3 10YR 4/6 MOTT. w/ 10YR 5/7	Si Lo Si Cl Lo	NCM NCM
C9.48	0-30 30-33	10 YR 3/3 10 YR 4/6	Si Lo Si Cl Lo	NCM NCM
C9.49	0-25 25-35	10YR 3/3 10 YR 5/6	Si Cl Lo Si Cl Lo	

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): SMJ, FMM

Date: 9/28/13

Location/Setting: Access Road between T4 + T52. Open field.

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C10.01	0-23cm 23-35	10YR 3/4 10YR 5/5	SiLo SiCLo	—
C10.04	0-21 21-30	4/4 4/5	SiLO SiCLO	—
C10.07	0-36cm rockimpasse	10YR 4/3	SiCLo	saprolitic
C10.10	0-26cm 26-35 rockimpasse	10YR 4/3 10YR 4/3	SiLo SiCLo	sapprolitic
C10.13	0-26cm Rock impas	10YR 4/3 4	SiLO	—
C10.16	0-20cm 20-30 rockimpasse	3 10YR 4/3 10YR 4/4	SiLo SiCLo	— Sapprolitic
C10.19	0-10cm 10-24 rockimpasse	10YR 4/3 10YR 5/4	SiLo SiCLo	Sapprolitic
C10.22	0-18 18-24 rockimpasse	10YR 4/3 10YR 5/4	SiLo SiCLo	— sapprolitic
C10.25	0-19cm 19-31 rockimpasse	10YR 4/3 10YR 5/4	SiLo SiCLo	sapprolitic
C10.28	0-19cm 19-30 rockimpasse	10YR 3/4 10YR 5/5	SiLo SiCLo	Sapprolitic
C10.31	0-20cm 20-32 rockimpasse	10YR 3/4 10YR 4/5 w/ 10YR 7/3 inclusions	SiLo SiCLo	Sapprolitic
C10.34	0-22cm 22-36 rockimpasse	10YR 3/4 10YR 4/5	SiLo SiCLo	Sapprolitic
C10.37	0-18cm 18-27 27-38	10YR 3/4 10YR 4/4 10YR 6/5	SiLo SiCLo SiCLo	—
C10.40	0-19cm 19-30 rockimpasse	10YR 4/4 10YR 6/5	SiLo SiCLo	—
C10.43	0-21cm 21-32 rockimpasse	10YR 3/4 10YR 5/5 rockimpasse	SiLo SiCLo	—

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Emily Stanfill

Date: 8-28-2013

Location/Setting: C10 Access Road to T4 and T52

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C10.03	0-20 20-30	10YR 3/4 10YR 5/6 mottled w/ 4/4	Si Cl Lo Si Lo	NCM
C10.06	0-15 15-30	10YR 3/4 10YR 4/4 mottled w/ 10YR 5/7	Si Cl Lo Si Lo	~~Sig~~ Bedrock NCM
C10.09	0-21 21-31	10YR 3/4 10YR 4/4	SiCLLo SiLo	NCM Bedrock
C10.12	0-17 17-25 25-35	10YR 3/4 10YR 3/3 mottled w/ 10YR 5/4 10YR 5/7	Si Cl Lo Si Cl Lo Si Lo	NCM
C10.15	0-25	10YR 3/4 mottled w/ 10YR 5/6	Si Cl Lo	Bedrock NCM
C10.18	0-30 30-40	10YR 3/4 10YR 5/6	Si Cl Lo Si Lo	Bedrock NCM
C10.21	0-23 23-33	10YR 3/4 10YR 5/6	SiCLLo SiLo	NCM BED ROCK
C10.24	0-20	10YR 4/4	Si Cl Lo	NCM Bedrock
C10.27	0-35	10YR 3/4	Si Cl Lo	NCM Ni Sub Bedrock
C10.30	0-21 21-32	10YR 3/4 10YR 5/6	SiClLo SiLo	NCM NCM
C10.33	0-25 25-35	10YR 3/4 10YR 5/6	SiCl Lo SiLo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012
Project Name: Copenhagen Wind Farm Phase IB
Excavator(s): Colin Ely
Date: 8/28/13

Location/Setting: C10 Access Road

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C10.02	0-17	10YR 4/4	Si Lo	NCM
	17-30 BR	10YR 5/5	Si Cl Lo	NCM BR@30
C10.05	0-25	10YR 4/4	Si LO	NCM
	25-32	10YR 5/5	Si CL LO	NCM BED ROCK
C10.08	0-21	10YR 4/4	Si Lo	NCM
				BR@21
C10.11	0-25	10YR 4/4	Si Lo	NCM lots of flat rocks
	25-35	10YR 5/4	Si Cl Lo	NCM
C10.14	0-23	10YR 4/4	Si LO	NCM BEDROCK
	23-30	10YR 5/4	Si CL LO	NCM
C10.17	0-24	10YR 4/4	Si Lo	NCM
	24-38	10YR 5/5	Si Cl Lo	NCM
C10.20	0-29	10YR 4/4	Si Lo	
	29-34	10YR 5/4	Si Cl Lo	
C10.23	0-26	10YR 4/4	SOLO	NCM
	26-35	10YR 5/4	Si CL LO	NCM
C10 26	0-16	10YR 4/4	Si Lo	NCM
	16-26	10YR 5/4	Si Cl Lo	NCM
C10.29	0-33 BR	10YR 4/4 5/5 Mixed in after 27cm (27-33cm)	Si Lo Si Cl Lo	NCM BR@33
C10.32	0-28	10YR 4/4	Si LO	NCM
	28-37	10YR 5/5	Si Cl LO	BED ROCK
C10.35	0-24	10YR 4/4	Si Lo	NCM
	24-34	10YR 5/5	Si Cl Lo	NCM
C10.38	0-22	10YR 4/4	Si Lo	NCM
	22-34	10YR 5/5	Si Cl Lo	NCM
C10.41	0-25	10YR 4/4	Si LO	NCM
	25-35	10YR 5/5	Si Cl LO	NCM
C10.44	0-19	10YR 4/4	Si Lo	NCM BR@29
	19-29 BR	10YR 5/4	Si Cl Lo	NCM
C10.47	0-25	10YR 4/4	Si LO	NCM
	25-36	10YR 5/4	Si CL LO	NCM
C10.50	0-23	10YR 4/4	Si Lo	NCM
	23-33	10YR 5/5	Si Cl Lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES ND

Date: 8/28/13

Location/Setting:

C10 Access Road

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C10.36	0-23 23-32	10YR 3/4 10YR 5/6	SiLO SiClLO	
C10.39	0-18 18-30	10YR 3/4 10YR 5/6	Si Cl Lo Si Lo	NCM
C10.42	0-20 20-30 30-39	10YR 3/4 10YR 5/6 10YR 5/7	Si Cl Lo Si Lo Si Sa	NCM
C10.45	0-25 25-32	10YR 3/4 10YR 5/7	Si Cl Lo Si Sa	NCM Bedrock
C10.48	0-30 30-48	10YR 3/4 10YR 5/7	Si Cl Lo Si Sa	NCM
8-29 C10.51	0-30 30-35	10YR 3/4 10YR 5/7	Si Cl Lo Si Sa	NCM Bedrock
C10.54	0-27 27-36	10YR 3/4 10YR 5/7	SiClLO Si Sa	NCM BED ROCK
C10.57	0-20 20-40	10YR 3/4 10YR 5/7	Si Cl Lo Si Sa	NCM Bedrock
C10.60	0-30 30-35	10YR 3/4 10YR 5/7	Si Cl Lo Si Sa	NCM stopped by bedrock
C10.63	0-20 20-27	10YR 3/4 10YR 5/7	Si Cl Lo Si Sa	NCM stopped by bedrock
C10.66	0-20 20-29	10YR 3/4 10YR 5/5	SiClLO Si Sa	NCM ROCK impass
C10.69	0-15	10YR 3/4	Si Cl Lo	NCM Rocks impass

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): FMM

Project Name: Copenhagen Wind Farm Phase IB Date: 8/28/13 - 8/29/13

Location/Setting: Access Road between T4 + T62. Openfield.

	Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
8/28	C10.46	0-31cm rockimpasse	10YR 3/4	SiLo	sapprolitic
8/29	C10.49	0-32cm rockimpasse	10YR 3/4	SiLo	sapprolitic
	C10.52	0-22cm 22-32 rockimpasse	10YR 3/4 10YR 6/5	SiLo SiCLo	Sapprolitic
	C10.55	0-19cm 19-29 rockimpasse	10YR 3/4 10YR 6/5	SiLo SiCLo	Sapprolitic
	C10.58	0-25 25-45	10YR 3/4 10YR 6/5	SiLo SiCLo	—
	C10.61	0-20cm 20-30 rockimpasse	10YR 3/4 10YR 5/4	SiLo SiCLo	Sapprolitic
	C10.64	0-24cm 24-27 rockimpasse	10YR 3/4 10YR 6/5	SiLo SiCLo	Sapprolitic
	C10.67	0-22cm 22-32 rockimpasse	10YR 3/4 10YR 5/5	SiLo SiCLo	Sapprolitic
	C10.70	0-19 19-28 ROCK IMPASSE	10YR 3/4 10YR 5/5	SiLo SiCLO	—
	C10.73	0-23cm 23-46	10YR 3/4 10YR 4/5	SiLo SiCLo	Sapprolitic
	C10.76	0-24 24-27	10YR 3/4 10YR 3/4	SiLo SiCLo	MCM MCM. REFUSAL @ BEDROCK
	C10.79	0-22cm 22-28 rockimpasse	10YR 3/4 10YR 5/5	SiLo SiCLo	Sapprolitic
	C10.82	0-21cm 21-32 rockimpasse	10YR 3/4 10YR 4/4	SiLo SiCLo	Sapprolitic
	C10.85	0-20 ROCK IMPASSE	10YR 4/4	SiLO	NCM
	C10.88	0-17cm 17-26 rockimpasse	10YR 3/4 10YR 4/5	SiLo SiCLo	Sapprolitic

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Colin Ely

Date: 8/29/13

Location/Setting: C10 Access Road

Shovel Test	Depth (cmbs)	Soil Color	Soil Texture	Artifacts/Comments
C10.53	0-22 22-33 BR	10YR 4/4 10YR 5/5	Si Lo Si SaLo	NCM NCM BR@33
C10.56	0-21 21-48	10YR 3/3 10YR 3/5	Si Lo Si SaLo	NCM NCM
C10.59	0-25 25-40	10YR 3/3 10YR 5/5	Si Lo Si Sa Lo	NCM NCM
C10.62	0-25 25-35	10YR 4/4 10YR 5/4	Si Lo Si Lo	NCM NCM
C10.65	0-24 24-35	10YR 4/4 10YR 4/5	Si Lo Si Lo	NCM NCM Full of Rocks
C10.68	0-28 BOD ROCK	10YR 4/4	Si Lo	NCM ~~NCM~~
C10.71	0-34 Bedrock	10YR 4/4	Si Lo	NCM
C10.74	0-22 22-34 BR	10YR 4/4 10YR 5/5	Si Lo Si Sa Lo	NCM NCM BR@34
C10.77	0-31	10YR 4/4	Si Lo	NCM BR@34
C10.80	0-20 20-24	10YR 4/4 10YR 5/4	Si Lo Si Cl Lo	NCM NCM BR@24
C10.83	0-24	10YR 4/4	Si Lo	NCM BR@24
C10.86	0-20	10YR 4/3	Si Lo	NCM BROCK@20
C10.89	0-29	10YR 4/3	Si Lo	NCM BR@29
C10.92	0-20 20-30	10YR 4/4 10YR 5/5	Si Lo	NCM NCM
C10.95	0-33	10YR 4/4	Si Lo	NCM BR@33
C10.98	0-16 16-24 BOD ROCK	10YR 4/4 10YR 5/4	Si Lo Si Cl Lo	NCM NCM BR@24
C10.101	0-16 16-24 BR	10YR 4/4 10YR 5/4	Si Lo Si Cl Lo	NCM NCM BR@24

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES

Date: 8-29-2013

Location/Setting: C10 Access Road

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C10.72	0-20 20-25	10YR 3/4 10YR 5/3	Si Cl Loam Si Sa	NCM Rock impass
C10.78	0-26 28-32 Rock impasse	10YR 3/4 10YR 5/7	SiCL Lo Si Sa	NCM
C10.75	0-30 30-34	10YR 3/4 10YR 5/3	Si Cl Lo Si Sa	NCM Rock impass
C10.81	0-24 24-33	10YR 3/4 10YR 3/4	Si Lo SiClLo	NCM Rock impasse
C10.84	0-25 25-35	10YR 3/4 10YR 5/6	Si Cl Lo Si Cl Lo	NCM
C10.87	0-20 20-30	10YR 3/4 10YR 5/6	Si Cl Lo Si Cl Lo	NCM
C10.90	0-20 20-34	10YR 3/4 10YR 3/4	SiLo SiCLLo	NCM
C10.93	0-25 25-35	10YR 3/4 10YR 5/6	Si Lo Si Lo	NCM
C10.96	0-25 25-35	10YR 3/4 10YR 5/6	Si Lo Si Lo	NCM
C10.99	0-18 18-25	10YR 3/4 10YR 4/6	SiLo SiClLo	NCM NCM Refusal @ B. Rock
C10.102	0-29 29-34	10YR 3/4 10YR 6/4	SiLo SiCLLo	NCM NCM Refusal @ B. Rock
C10.105	0-30 30-35	10YR 3/4 10YR 4/6	SiLo Si Cl Lo	NCM Refuse @ Bedrock

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): FMM

Date: 8/29/13

Location/Setting: Access road between T4 + T57. Open field.

Shovel Test	Depth cmbs	Soil Color	Soil Texture	Artifacts/Comments
C10.91	0-21 Rock impasse	10YR 3/4	SiLo	NCM
10.94	0-20	10YR 3/3	SiLo	NCM REFUSAL @ 20 cmbs
C10.97	0-21cm 21-27 rock impasse	10YR 3/4 10YR 5/6	SiLo SiClLo	—
C10.100	0-20cm 20-25 rock impasse	10YR 3/4 10YR 4/5	SiLo SiClLo	—
C10.~~100~~103	0 - 13 13 - 17	10YR 3/4 10YR 4/5	SiLo SiClLo	NCM NCM REFUSAL @ BEDROCK
C10.106	0-21cm 21-32 rock impasse	10YR 3/4 10YR 4/5	SiLo SiClLo	saprolitic
C10.109	0-22cm rock impasse	10YR 3/3	SiLo	saprolitic
C10.112	0-12cm rock impasse	10YR 4/4	SiLo	saprolitic
C10.115	0-27cm rock impasse	10YR 3/3	SiLo	saprolitic
C10.118 EOT	0-24cm rock impasse	10YR 3/3	SiLo	saprolitic

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Colin Ely

Date: 8/29/13

Location/Setting: C 10 Access Road

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C10.104	0-22 BR	10YR 4/4	SiLo	NCM
C10.107	0-20 BR	10YR 4/4	SiLO	NCM
C10 110	0-17 BR	10YR 4/4	SiLo	NCM
C10 113	0-14 BR	10YR 4/4	SiLo	NCM
C1 116	0-11 BR	10YR 4/4	SiLo	NCM - lots of Rocks
C10.119	0-22 BR	10YR 4/4	SiLO	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES, ND

Date: 8-29-2013

Location/Setting: C10 Access Road

Shovel Test	Depth CMBS	Soil Color	Soil Texture	Artifacts/Comments
C10.108	0-17cm	10YR 3/4	Si Cl Loam	NCM Refuse @ Bedrock
C10.111	0-19cm	10YR 3/4	SiCLLo	NCM Refuse at BR
C10.114	0-12cm	10YR 3/4	SiLo	NCM. Refuse @ Brock
C10.117	0-22cm	10YR 3/4	SiLo	NCM Refusi @ at B Rock
C10.120	0-~~40~~ cm 40-45	10YR 3/4 10YR 4/6	Si Lo Si Cl Lo	NCM Refuse at Bedrock

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 9-30-13

Location/Setting: access Rd to T45

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
CH. 76	0-34 34-44	10yr 3/2 10yr 4/3	CLLo SiCL	None
CH. 79	0-34 34-44	Same	Same	"
CH. 82	0-33 33-44	Same	Same	1 plastic @ interface None
CH. 85	0-32 32 4/3	Same	Same	"
CH. 88	0-26 26-36	Same	Same	None large cobbles
CH. 91	0-26 26-36	Same	Same	None
CH. 94	0-26 26-36	Same	Same	None bedrock @ 36
CH. 97	0-15 15-20	Same	Same	None bedrock @ 20
CH. 100	0-27 27-31 31-34	10yr 3/2 10yr 2/1 10yr 4/3	CLLo CLLo SiCL	None bedrock @ 34
CH. 103	0-27 27-37	10yr 3/2 10yr 4/3	CLLo SiCL	None
CH. 106	0-26 26-36	Same	Same	None
CH. 109	0-26 26-36	Same	Same	"
CH. 111	0-30 30-34	Same	Same	None bedrock @ 34
CH. 113	0-30 30-40	Same	Same	None
CH. 116	0-31 31-41	Same	Same	None

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB

Date: 9.27.13

Location/Setting: access Rd to T45

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
CH. 01	0-27 27-30	10yr 3/1 10yr 4/3	CL Lo SiLo	NCM bedrock @ 30cm
CH. 04	0-32 32-34	Same	SiCL SiCL	NCM bedrock @ 34
CH. 07	0-27	10YR 3/1	SiCL	NCM BR @ 27
CH. 10	0-30	10yr 3/1	SiLo	NCM B.R. @ 30
CH. 13	0-26	Same	CLLo	NCM BR @ 26
CH. 16	0-24	Same	Same	NCM Same
CH. 19	0-25	Same	Same	NCM BR @ 25
CH. 22	0-31 31-41	10yr 3/1 10yr 4/3	CLLo CLLo	NCM
CH. 25	0-24	10yr 3/1	CLLo	NCM BR @ 24cm
CH. 28	0-22 22-24	10yr 3/1 10yr 4/3	CLLo CLLo	NCM BR @ 24cm
CH. 31	0-24 24-34	Same	Same	NCM
CH. 34	0-27 27-37	10YR 3/1 10YR 4/3	CL Lo CL Lo	NCM NCM
CH. 37	0-27 27-37	Same	Same	NCM
CH. 40	0-27 27-37	Same	Same	NCM
CH. 43	0-20 20-30	Same	Same	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): ES, CE

Project Name: Copenhagen Wind Farm Phase IB Date: 9-27-13

Location/Setting: C11 Access Road to T-45

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C11.03	0-30 30-40	10YR 4/1 10YR 3/4	Si Cl Lo Si Cl Lo	NCM
C11.06	0-30 30-40	10YR 2/1 10YR 4/4	Si Cl Lo Cl Lo	NCM
C11.09	0-37 37-45	10YR 2/1 10YR 3/2	SiCl Lo Cl Lo	NCM
C11.12	0-30 30-40	10YR 2/1 10YR 3/2	Si Cl Lo Si Cl Lo	NCM
C11.15	0-31 31-40	10YR 2/1 10YR 3/2	SiCl Lo SiClLo	NCM
C11.18	0-30 30-40	10YR 3/2 10YR 4/3	Si Cl Lo Si Cl Lo	NCM
C11.21	0-32 32-42	10YR 3/2 10YR 4/3	SiClLo SiClLo	NCM :)
C11.24	0-25 25-35	10YR 3/2 10YR 4/3	Si Cl Lo Si Lo	NCM
C11.27	0-25 25-35	10YR 4/4 10YR 5/6	Si Lo Si Lo	NCM
C11.30	0-31 31-34	10YR 4/4 10YR 5/6	SiLo SiLo	NCM BR @ 34
C11.33	0-20 20-35	10YR 4/4 10YR 5/6	Si Lo SiLo	NCM
C11.36	0-40 40-50	10YR 4/4 10YR 5/6	SiLo SiLo	Bedrock @ 50 cmbs
C11.39	0-35 35-45	10YR 3/2 10YR 4/4	Si Cl Lo Si Cl Lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DT, CE

Date: 9/27/13

Location/Setting: Access road

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C.11.02	0-28 28-32	10 YR 2/1 10 YR 3/2	Clay loam Silty Clay	NCM Bedrock @ 32cm
C.11.05	0-30 30-34	10YR 2/1 10YR 3/2	Cl Lo Si Cl	NCM
C11.08	0-30 30-35	10 YR 2/1 10 YR 3/2	Cl Lo Si Cl	NCM Bedrock @ 35cm
C11.11	0-29 29-32	10 YR 2/1 10 YR 3/2	Cl Lo Si Cl	NCM Bedrock @ 32cm
C11.14	0-35 35-38	10 YR 2/1 10 YR 3/2	Cl Lo Si Cl	NCM Bedrock @ 38cm
C11.17	0-30 30-34	10 YR 2/1 10 YR 3/2	Cl Lo Si Cl	NCM Bedrock @ 34cm
C11.20	0-31 31-33	10 YR 2/1 10 YR 3/2	Cl Lo Si Cl	NCM Bedrock @ 33cm
C11.23	0-30 30-32	10YR 2/1 10YR 3/2	Cl Lo Si Cl	NCM BR @ 32
C11.26	0-29 29-33	10YR 2/1 10YR 3/2	CL LO Si Cl	NCM BR @ 33
C11.29	0-30 30-34	10 YR 2/1 10 YR 3/2	Cl Lo Si Cl	NCM BR @ 34
C11.30	0-30 30-34	10 YR 2/1 10 YR 3/2	Cl Lo Si Cl	NCM BR @ 34
C11.33	0-28 28-38	10YR 2/1 10YR 3/2	Cl Lo Si Cl	NCM BR @ 38

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Colin Ely

Date: 9/27/13

Location/Setting:

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C11.38	0-27 27-37	10YR 3/2 10YR 4/4	SiClLo ~~SiClLo~~ SiSaLo	NCM
C11.41	0-28 28-38	10YR 3/2 10YR 4/4	SiClLo SaLo	NCM
C11.44	0-32 32-42	same	same	NCM
C11.47.	0-28 28-34	same	same	NCM
C11.50	0-44 44-54	same	same	NCM
C11.53	0-28 28-38	same	same	NCM
C11.56	0-29 BR	10YR 3/2	SiClLo	NCM BR @ 29 cm
C11.59	0-29 29-39	10YR 3/2 10YR 4/4	SiClLo SaLo	NCM
C11.62	0-28 28-38	10YR 3/2 10YR 3/4	SiClLo SaLo	NCM
C11.65	0-25 25-29	same	same	NCM BR@29
C11.68	0-27 27-37	10YR 3/2 10YR 4/3	same	NCM
C11.71	0-45 45-55	same	SaClLo SaClLo	NCM
C11.74	0-32 32-42	same	~~same~~ SiSaLo SiSaLo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES

Date: 9-27-13

Location/Setting: C11 Access Rd T45

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C11.42	0-30 30-32	10YR 3/3 10YR 5/7	Si Lo Si Cl Lo	Ncm Bedrock @ 32cm
C11.45	0-26 26-36	10YR 3/3 10YR 6/4	Si Lo Si Cl Lo	Ncm
C11.48	0-30	10YR 3/3	Si Lo	Ncm Bedrock @ 30 cm
C11.50	0-28	10YR 3/3	Si Lo	Ncm Roots @ 28
C11.54	0-30 30-40	10YR 3/3 10YR 6/4	Si Lo Si Cl Lo	Ncm
C11.57	0-40 40-50	10YR 3/3 10YR 6/4	Si Lo Si Cl Lo	Ncm
C11.60	0-35 35-37	10YR 3/3 10YR 6/4	Si Lo Si Lo	Ncm bedrock @ 37cm
C11.63	0-35 35-45	10YR 2/3 10YR 5/6	Si Lo Si Lo	Ncm
C11.66	0-28 28-38	10YR 2/3 10YR 4/4	Si Lo Si Lo	Ncm
C11.69	0-30 30-40	10YR 2/3 10YR 4/4	Si Lo Si Lo	Ncm Bedrock @ 50cm
C11.72	0-45 45-50	10YR 3/2 10YR 4/4	Si Lo Si Cl Lo	Ncm
C11.75	0-40 40-50	10YR 3/2 10YR 5/7	Si Lo Si Cl Lo	

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 09079 Excavator(s): DB

Project Name: Loveless Farms Date: 9-27-13

Location/Setting: access Rd To T45

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
CH. 46	0-25 25-35	10yr 3/1 10yr 4/3	CLLo CLLo	NA
CH. 49	0-26 26-36	same	same	NA
CH. 52	0-29 29-39	same	same	NA
CH. 55	0-27	10yr 3/1	CL Lo	NA Bedrock @ 27cm
CH. 58	0-27	same	same	NCM same
CH. 61	0-26 26-30	10yr 3/2 10yr 4/3	CLLo CLLo	N BR@ 30
CH. 64	0-26 26-30	same	same	NCM same
CH. 67	0-28 28-30	same	same	NA same
CH. 70	0-28 28-38	same	same	NA
CH. 73	0-30	same	same	NCM bedrock 30cm

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): E.S

Date: 9-30-13

Location/Setting: C11

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C11.78	0-30cm 30-40	10YR 3/2 10YR 6/8	Si cl Lo Si cl Lo	NCM
C11.81	0-25 25-28cm	10YR 3/2 10YR 6/8	Si cl Lo Si cl Lo	NCM Bedrock @ 28
C11.84	0-30 30-40	10YR 3/2 10YR 6/8	Si Lo cl Lo	NCM
C11.87	0-30 30-40	10YR 3/2 10YR 6/8	Si Lo Cl Lo	NCM
C11.90	0-28 28-38	10YR 3/2 10YR 6/8	Si Lo Cl Lo	NCM
C11.93	0-30 30-40	10YR 3/2 10YR 6/8	Si Lo Cl Lo	NCM
C11.96	0-35 35-45	10YR 3/3 10YR 6/8	Si Lo Cl Lo	NCM
C11.99	0-30 30-48	10YR 3/4 10YR 6/8	Si Lo Cl Lo	NCM
C11.102	0-27 27-37	10YR 3/2 10YR 6/8	Si Lo Cl Lo	NCM
C11.105	0-35 35-45	10YR 3/2 10YR 6/8	Si Lo Cl Lo	NCM
C11.108	0-32 32-42	10YR 3/2 10YR 6/8	Si Lo Cl Lo	NCM
C11.111	0-25 25-35	10YR 3/2 10YR 6/8	Si Lo Cl Lo	NCM
C11.114	0-28 28-38	10YR 3/2 10YR 6/8	Si Lo Cl Lo	NCM Bedrock @ 38

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Colin Ely

Date:

Location/Setting:

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C11.77	0-28 28-38	10YR 3/2 10YR 5/5	Sa Lo Si Lo	NCM
C11.80	0-30 30-40	10YR 3/2 10YR 6/6	Si Lo Sa Si	NCM
C11.83	0-30 30-40	10YR 3/2 10YR 5/5	Sa Lo Sa Si	NCM
C11.86	0-27 27-37	10YR 3/2 10YR 5/5	Sa Lo Sa Lo	NCM
C11.89	0-30 30-40	10 YR 3/2 10 YR 5/5	Sa Lo Si Lo	NCM
C11.92	0-42 42-52	10YR 3/2 10YR 5/5	Sa Lo Si Lo	NCM
C11.95	0-30 30-40	10YR 3/2 10YR 5/5	Sa Lo Si Lo	NCM
C11.98	0-32 32-42	10 YR 3/2 10 YR 5/5	Sa Lo Si Lo	NCM
C11.101	0-46 46-56	10YR 3/2 10YR 5/5	Sa Lo Si Lo	NCM
C11.104	0-40 40-50	10 YR 3/2 10 YR 5/5	Sa Lo Si Lo	NCM
C11.107	0-32 32-42	10YR 3/2 10YR 5/5	Sa Lo Si Lo	NCM
C11.110	0-30 30-40	10YR 3/2 10YR 5/5	Sa Lo Si Lo	NCM
C11.113	0-25 25-35	10 YR 3/2 10 YR 5/5	Sa Lo Si Lo	NCM
C11.116	0-30 30-40	10YR 3/2 10YR 5/5	Sa Lo Si Lo	NCM
C11.119	0-40 40-50	10YR 3/2 10YR 4/3	Sa Lo Si Lo	

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES

Date: 9-30-13

Location/Setting: CH

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
CH. 117	0-32 32-42	10 YR 3/2 10 YR 6/8	Si Lo Cl Lo	None
CH. 120	0-30 30-40	10 YR 3/2 10YR 6/8	Si Lo Cl Lo	None

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 9.30.13

Location/Setting: T 45 pad site open field

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C12.01	0-26	very 3/2	cLLo	NCM bedrock 26cm
C12.02	0-15	Same	SaLo	NCM bedrock 15cm
C12.03	0.27	Same	Same	NCM bedrock 27cm
C12.04	0.31	Same	Same	NCM bedrock 31
C12.05	0.34	Same	Same	NCM bedrock 34
C12.06	0-27	Same	Same	NCM bedrock 27
C12.07	0.29	Same	Same	NCM bedrock 29
EOT				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DT

Project Name: Copenhagen Wind Farm Phase IB Date: 9/30/13

Location/Setting: T45 Location

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C12.08	0-27 27	10 YR 3/2 —	Si Lo Bedrock	NCM
C12.09	0-37 37-47	10 YR 3/2 10 YR 5/6	Si Lo Cl Lo	NCM
C12.10	0-25 25-35	10 YR 3/2 10 YR 5/6	Si Lo Cl Lo	NCM
C12.11	0-40 40	10 YR 3/2 —	Si Lo Bedrock	NCM
C12.12	0-28 28	10 YR 3/2 —	Si Lo Bedrock	NCM
C12.13	0-26 26	10 YR 3/2 —	Si Lo Bedrock	NCM
C12.14	0-22 22	10 YR 3/2 —	Si Lo Bedrock	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012 Excavator(s): ES

Project Name: Copenhagen Wind Farm Phase IB Date: 9-30-13

Location/Setting: C12 T4S

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C12.16	0-25 25-35	10YR 3/2 10YR 4/8	Si Lo Si cl Lo	None
C12.17	0-15 15-18	10YR 3/2 10YR 4/8	Si Lo Si cl Lo	None Bedrock @ 18cm
C12.18	0-20	10YR 3/3	Si Lo	None lg Cobble @ 20cm
C12.19	0-30 30-35	10YR 3/2 10YR 5/2	Si Lo Si cl Lo	None Bedrock @ 35
C12.20	0-20	10YR 3/2	Si Lo	None Bedrock @ 20
C12.21	0-20 20-30	10YR 3/2 10YR 5/4	Si Lo Si Cl Lo	None
C12.22	0-17	10YR 3/2	Si Lo	None Bedrock @ 17

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Colin Ely

Date: 9/30/13

Location/Setting: T 45 C 12

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C12.22	0-33 33 = Bedrock	10YR 3/2	Si Sa	NCM BR @ 33
C12.23	0-34	10YR 3/2	Si Sa	NCM BR@34
C12.24	0-34	10YR 3/2	Si Sa	NCM BR@34
C12.25	0-17	10YR 3/2	Si Sa	NCM BR @17
C12.26	0-14	10YR 3/2	Si Sa	NCM BR @14
C12.27	0-27 27-37	10YR 3/2 10YR 4/6	Si Sa Si Lo	NCM ~~BR @~~
C12.28	0-33 [redacted]	10YR 3/2, 5/2	Si Sa	NCM BR @ 33
C12.43	0-29 29-39	10YR 3/2 10YR 4/4	Si Sa Si Sa	NCM
C12.44	0-20	10YR 3/2	Si Lo	NCM Bedrock @ 20
C12.45	0-34	10YR 3/2	Si Lo	NCM BR @34
C12.46	0-38	10YR 3/2	Si Lo	NCM BR @38
C12.47	0-37	10YR 3/2, 3/3	Si Lo	NCM BR @ 37
C12.48	0-25 25-35	10YR 3/3 10YR 5/7	Si Lo Si Sa	NCM
C12.49	0-27 27-37	10YR 3/3 10YR 5/7	Si Lo Si Sa	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB

Date: 9-30-13

Location/Setting: T 4/5

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C12.29	0-13	10yr 3/2	SALO	Non bedrock 13
C12.30	0-17	Same	Same	non bedrock 17
C12.31	0-27	Same	Same	Non bedrock 27
C12.32	0-23	Same	Same	non bedrock 23
C12.33	0-26	Same	Same	non bedrock 26
C12.34	0-12	Same	Same	non bedrock 12
C12.35	0-15	Same	Same	non bedrock 15
BUT				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DT, ES

Date: 9/30/13

Location/Setting: T45 location

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C12.36	0-32 32	10 YR 4/4 —	Si Lo Bedrock	NCM
C12.37	0-20 20	10 YR 4/4 —	Si Lo Bedrock	NCM
C12.38	0-20 20	10 YR 3/2 —	Si Lo Bedrock	NCM
C12.39	0-25 25-35	10YR 3/2 10YR 5/7	Si lo Si cl Lo	Ncm Bedrock@ 35
C12.40	0-30 30-32 32	10 YR 3/2 10YR 5/6 —	Si Lo Si Lo Bedrock	NCM
C12.41	0-18 18	10 YR 3/2 —	Si Lo Bedrock	NCM
C12.42	0-18 18	10YR 3/2 —	Si Lo Bedrock	Ncm

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 10-2-13

Location/Setting: T-17

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C13.01	0-27 27-37	10yr 3/2 7.5yr 4/4	CLLO CLLO	NCW
C13.02	0-29 29-41	Same	SaLO SaLO	NCW
C13.03	0-27 27-37	10yr 3/3 10yr 5/4	SaLO SaLO	NCW
C13.04	0-26 26-36	10yr 3/3 10yr 3/6	Same	NCW
C13.05	0-26 26-36	Same	Same	NCW
C13.06	0-23 23-33	10yr 2/2 10yr 4/6	SaLO SaLO	NCW
C13.07	0-33 33-43	10yr 3/3 10yr 4/6	SaLO SaLO	NCW
BOT				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DT

Date: 10/02/13

Location/Setting: Turbine 17 location

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C13.08	0-30 30-40	10 YR 4/4 10 YR 5/6	SiLo Lg. cobbles Silt Lg. cobbles	NCM
C13.09	0-25 25-35	10 YR 4/4 10 YR 5/6	SiLo SiLo	NCM
C13.10	0-27 27-37	10 YR 4/4 10 YR 5/6	SiLo Silt	NCM
C13.11	0-30 30-40	10 YR 4/4 10 YR 4/2, 4/6	SiLo SiLo mottled	NCM
C13.12	0-26 26-36	10 YR 4/4 10 YR 5/8	SiLo SiLo	NCM
C13.13	0-32 32-42	10 YR 4/4 10 YR 5/8	SiLo SiLo	NCM
C13.14	0-30 30-40	10 YR 4/4 10 YR 5/8	SiLo SiLo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): E S

Project Name: Copenhagen Wind Farm Phase IB Date: 10-2-13

Location/Setting: C13 T-17

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C13.15	0-20 20-30	10YR 4/4 10YR 5/8	Si Lo Si Lo	None
C13.16	0-25 25-35	10YR 4/4 10YR 5/4	Si Cl Lo Si Cl Lo	None
C13.17	0-18 18-30	10YR 4/4 10YR 6/4	Si Cl Lo Si Cl Lo	None
C13.18	0-15 15-30	10YR 4/4 10YR 6/8	Si Lo Si Cl Lo	None
C13.19	0-20 20-30	10YR 3/4 10YR 5/6	Si Lo Si Lo	None
C13.20	0-20 20-30	10YR 4/4 10YR 5/6	Si Lo Si Sa Lo	None
C13.21	0-10 10-25 25-40	10YR 4/4 10YR 3/4 10YR 5/6	Si Lo Si Lo Si Sa Lo	None

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 10-2-13

Location/Setting: T-17

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C13.29	0-27 27-37	10yr 3/3 10yr 4/6	SAto SAto	NCM
C13.30	0-25 25-33	Same	Same	NCM Bedrock@33
C13.31	0-12 12-17	Same	Same	NCM Bedrock@17
C13.32	0-24 24-34	Same	Same	NCM
C13.33	0-29 29-39	Same	Same	NCM
C13.34	0-33 33-43	10yr 3/2 10yr 5/4	Same	NCM
C13.35	0-33 33-43	Same	Same	NCM
EOT				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): Colin Ely

Project Name: Copenhagen Wind Farm Phase IB Date: 10/2/13

Location/Setting: Field at C13, T17

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C13.22	0-28 28-38	10YR 3/2 10YR 4/5	SiLo SiLo	NCM
C13.23	0-26 26-36	10YR 3/4 10YR 4/5	SiLo SiLo	NCM
C13.24	0-27 27-37	10YR 3/4 10YR 4/5, 3/4 mottled	SiLo SiLo	NCM
C13.25	0-33 33-43	10YR 3/4 10YR 3/4, 5/3 mottled	SiLo SiLo	NCM
C13.26	0-27 27-37	10YR 3/4 10YR 4/5	SiLo SiLo	NCM
C13.27	0-24 24-34	10YR 3/4 10YR 3/2	SiLo SiLo	NCM
C13.28	0-28 28-38	same	same	NCM
C13.43	0-45 45-55	10YR 3/4 10YR 5/3	SiLo SiLo	NCM
C13.44	0-26 26-36	10YR 3/4, 5/7 10YR 5/7	SiLo SiLo	NCM
C13.45	0-27 27-37	10YR 3/4 10YR 5/7	same	NCM
C13.46	0-32 ~~[illegible]~~	10YR 3/4	SiLo	NCM Massive cobbles @ 32 cm
C13.47	0-25 25-35	10YR 3/4 10YR 4/4	SiLo SiLo	NCM Cobbles
C13.48	0-48 48-58	10YR 3/4 10YR 4/5	SiLo SiLo	NCM
C13.49	0-31 31-46	10YR 3/4 10YR 4/5	SiLo SiCLo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): BG

Date: 10-2-13

Location/Setting: C13

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C13.36	0-20 20-30	10YR 3/4 10YR 6/8	Si Lo Si Lo	None
C13.37	0-30 30-37	10YR 3/4 10YR 6/8	Si Lo Si Sa Lo	None Bedrock @ 37
C13.38	0-30 30-48	10YR 3/4 10YR 6/8	Si Lo Si Sa	None
C13.39	0-25 25-35	10YR 3/4 10YR 6/8	Si Lo Si Sa	None
C13.40	0-26 26-37	10YR 3/4 10YR 6/8	Si Lo Si Sa Lo	None
C13.41	0-25 25-35	10YR 3/4 10YR 6/8	Si Lo Si Sa Lo	None
C13.42	0-20 20-30	10YR 3/4 10YR 5/4	Si Lo Si Sa Lo	None

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DT

Project Name: Copenhagen Wind Farm Phase IB Date: 10/02/13

Location/Setting: Access rd Turbine 17

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C14.04	0-14 14-24	10 YR 4/4 10 YR 5/8	SiLo tree roots Silt	NCM
C14.08	0-12 12-22	10 YR 4/3 10 YR 5/8, 4/4	SiLo SiLo mottled	NCM
C14.12	0-8 8-28	10 YR 4/3 10 YR 5/8, 4/4	SiLo SiLo mottled	NCM
C14.16	0-20 20-30	10 YR 4/4 10 YR 5/6	SiLo SiLo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 10-2-13

Location/Setting: buried interconnect In woods

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
CH. 01	0-5 5-43	10yr 5/2 10yr 6/6	SA to SA to	NCM
CH. 05	0-5 5-40	10yr 4/2 10yr 5/8	Same	NCM
CH. 09	0-17 17-30	10yr 4/3 10yr 5/4	Same	NCM
CH. 13	0-20 20-30	Same	Same	NCM
CH. 17	0-7 7-27	10yr 4/2 7.5yr 4/4	Same	NCM
CH. 21	0-12 12-27	Same	Same	NCM
CH. 25	0-20 20-30	Same	Same	NCM
CH. 29	0-13 13-23	10yr 3/2 10yr 4/6	Same	NCM next to very old Maple - huge
CH. 33	0-27 27-37	Same	Same	NCM next to dump or collapse of structure (roofing materials)

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DT

Project Name: Copenhagen Wind Farm Phase IB Date: 10/3/13

Location/Setting: Access rd to turbine 17
wooded area

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C14.20	0-12 12-30	10 YR 3/3 10 YR 5/6	SiLo SiLo	NCM
C14.24	0-18 18-28	10 YR 3/4 10 YR 5/6	SiLo SiLo	NCM
C14.28	0-20 20-30	10 YR 3/3 10 YR 5/8	SiLo SiLo tree roots	NCM
C14.32	0-22 22-32	10 YR 3/3 10 YR 5/6	SiLo SiLo tree roots	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 10.3.13

Location/Setting: buried interconnect

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C14. 37	0.21 21.31	10yr 5/2 10yr 4/6	SaLo SaLo	NCM
C14. 41	0.22 22-35	10yr 5/2 7.5yr 4/4	SiLo SiLo	NCM
C14. 45	0.26 26.36	Same	Same	NCM
C14. 49	0.27 27.37	10yr 4/2 7.5yr 6/6	SiLo SiLo	NCM
C14. 53	0.25 25.37	Same	Same	NCM
C14. 57	0.29 29.41	10yr 2/1 5yR 8/2	SiLo Si	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES

Date: 10-3-14

Location/Setting: C14 Access Rd

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C14.47	0-15 15-30	10YR 3/2 10YR 5/6	Si Lo Si Lo	None
C14.54	0-10 10-30	10YR 3/2 10YR 6/8	Si Lo Si Lo	None
C14.55	0-10 10-25	10YR 3/2 10YR 6/8	Si Lo Si Lo	None
C14.59	0-9 9-19	10YR 3/2 10YR 6/8	Si Lo Si Lo	None

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): Colin Ely

Project Name: Copenhagen Wind Farm Phase IB Date:

Location/Setting: Access Rd. through woods near C13

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C14.02	0-4 4-25	10YR 5/3 10YR 5/6	Si Sa Lo Si Sa Lo	NCM
C14.06	0-20 20-30	10YR 5/3 10YR 5/6	Si Sa Lo Si Sa Lo	NCM
C14.10	0-26 26-36	10YR 4/3 7.5YR 5/7	Si Sa Lo Si Sa Lo	NCM
C14.14	0-5 5-25	10YR 4/3 10YR 5/2	Si Sa Lo Si Sa Lo	NCM
C14.18	0-15 15-25	10YR 5/3 10YR 5/6	Si Sa Lo Si Sa Lo	NCM
C14.22	0-17 17-27	10YR 5/3 7.5YR 5/7	Si Sa Lo Si Sa Lo	NCM
C14.26	0-24 24-34	10YR 5/3 7.5YR 5/7	Si Sa Lo Si Sa Lo	NCM
C14.30	0-41	10YR 4/3	Si Sa Lo	NCM · No sub reached ↳ very rooted.
C14.34	0-14 14-24	10YR 4/4 7.5YR 5/6	Si Sa Lo Si Sa Lo	NCM
C14.38	0-21 21-31	10YR 3/4 7.5YR 5/6	Si Sa Lo Si Sa Lo	NCM
C14.42	0-27 27-37	Same	Same	NCM
C14.46	0-18 18-28	Same	Same	NCM
C14.50	0-25 25-35	Same	Same	NCM
C14.54	0-24 24-34	Same	Same	NCM
C14.58	0-21 21-31	Same	Same	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES

Date: 10-2-13

Location/Setting: C14 Access Rd

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C14.03	0-8 8-20	10YR 3/2 10YR 6/8	Si Lo Si Lo	None
C14.07	0-10 10-20	10YR 3/2 10YR 5/6	Si Lo Si Lo	None
C14.11	0-10 10-25	10YR 3/2 10YR 6/8	Si Lo Si Lo	None
C14.15	0-10 10-25	10YR 3/2 10YR 6/8	Si Lo Si Lo	None
C14.19	0-12 12-25	10YR 3/2 10YR 6/8	Si Lo Si Lo	None
C14.23	0-15 15-30	10YR 3/2 10YR 6/8	Si Lo Si Lo	None
C14.27	0-7 7-20	10YR 4/4 10YR 6/8	Si Lo Si Lo	None
C14.31	0-30 30-40	10YR 4/4 10YR 6/8	Si Lo Si Lo	None
C14.35	0-15 15-30	10YR 3/2 10YR 6/8	Si Lo Si Lo	None
10-3-13 C14.39	0-20 20-30	10YR 3/2 10YR 5/7	Si Sa Lo Si Sa Lo	None
C14.43	0-25 25-35	10YR 3/2 10YR 6/8	Si Lo Si Lo	None

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB CE ES

Date: 10-3-13

Location/Setting:

access Rd woods

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C14. 60	0-25 25-35	10yr 4/2 7.5YR 4/4	SiLo SiLo	NCM
C14. 56	0-15 15-30	10YR 4/2 7.5YR 4/4	SiLo SiLo	NCM
C14.52	0-19 19-31	Same	Same	NCM
C14. 48	0-8 8-22	Same	Same	NCM
C14.42	0-10 10-20	10YR 4/2 7.5YR 4/4	SiLo SiLo	NCM
C14. 38	0-21 21-35	Same	Same	NCM
C14. 34	0-34 34-44	10yr 3/2 10yr 3/4	SiLo SiLo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): ES

Project Name: Copenhagen Wind Farm Phase IB Date: 10-3-13

Location/Setting: C15 Access Rd near historic site 2

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C15.02	0-20 20-26	10YR 3/4 10YR 4/4	SiLo SiLo	Non Bedrock @ 26
C15.08	0-32 32-42	10YR 4/4 10YR 5/7	SiLo SiSaLo	No Non
C15.14	0-20	10YR 4/4	SiLo	Non Bd Rock @ 20
C15.20	0-15	10YR 5/4	SiLo	Non Bdrock @ 15
C15.26	0-15	10YR 5/4	SiLo	Non Bedrock @ 15
C15.30	0-25	10YR 5/4	SiLo	Non Bedrock @ 25

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 10.3.13

Location/Setting: access Rd near historic Site 2

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C15.01	0-19	10yr 3/3	CLLO	NCM bedrock @ 19
C15.04	0-19 19-23	10yr 3/3 10yr 6/3	CLLO SALO	NCM bedrock @ 23
C15.07	0-19 19-24	10yr 3/3 10yr 5/4	SALO SALO	NCM bedrock 24
C15.10	0-27	10yr 3/3	SALO	NCM BR 27
C15.13	0-10	10yr 3/3	SaLO	NCM BR 10
C15.16	0-10	Same	Same	NCM BR 10
C15.19	0-10	Same	Same	NCM BR 10
C15.22	0-10	Same	Same	NCM BR 10
C15.25	0-10	Same	Same	NCM BR 10
C15.28	0-17	Same	Same	NCM BR 17
801				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Colin Ely

Date: 10/3/13

Location/Setting: Access Rd. Next to Historical Site 2

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C15.03	0-27 27-37	10YR 3/3 10YR 5/4	Si Lo Si Lo	NCM
C15.06	0-31 31= Bed rock	10YR 3/3	Si Lo	NCM BR @31
C15.09	0-27	10YR 3/3	Si Lo	NCM BR @27
C15.12	0-26	10YR 3/3	Si Lo	NCM BR @ 26
C15.15	0-19	10YR 3/3	Si Lo	NCM BR @19
C15.18	0-17	10YR 3/3	Si Lo	NCM BR @17
C15.21	0-23	10YR 3/3	Si Lo	NCM BR @23
C15.24	0-19	10YR 3/3	Si Lo	NCM BR @ 19

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DT

Project Name: Copenhagen Wind Farm Phase IB Date: 10/03/13

Location/Setting: Access rd to TS2 near historic site 2

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C15.05	0-29 29-38	10 YR 3/3 10 YR 6/4	Si Lo silt	NCM
C15.11	0-30 30-40	10 YR 4/4 10 YR 6/6	Si Lo silt	NCM
C15.17	0-10 10	10 YR 4/4 —	Si Lo Bedrock	NCM
C15.23	0-12 12	10 YR 4/4 —	Si Lo Bedrock	NCM
C15.29	0-14 14-17 17	10 YR 3/3 10 YR 5/6 —	Si Lo ~~Bedrock~~ Si Lo Bedrock	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 10-3-13

Location/Setting: Buried Interconnect

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
CH. 01	0-37 37-47	10yr 3/1 10yr 4/6	SiCL SiCL	NW
C16. 05	0-37	10yr 2/1, 4/1, 4/6	SiCL	NCW mottled. mostly BLACK Bedrock @ 37
C16. 09	0-28 28-38	10yr 3/1 10yr 4/6	SiCL SiCL	NCW
C16. 13	0-26 26-36	10yr 2/1, 10yr 4/6, 3/1	SiCL SiCL	NW
C16. 17	0-17 17-27	10yr 3/1 10yr 5/6	SiCL SiCL	NW
C16. 21	0-19 19-31	10yr 4/1 10yr 4/6, 5/6	SiCL SiCL	NW
C16. 25	0-24 24-34	10yr 3/2 10yr 8/8	SiCL Si	NW
C16. 29	0-24 24-34	Same	Same	NW
C16. 33	0-27 27-37	10yr 3/3 7.5yr 5/8	SiCL Si	NW
C16. 37	0-27 27-37	Same	Same	NW
CH. 41	0-28 28-38	Same	Same	NW

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES

Date: 10-3-19

Location/Setting: C16 Access Rd

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C16.02	0-35 35-45	10YR 2/1 10YR 4/4	Cl Lo Si Cl Lo	None
C16.06	0-20 20-30	10YR 3/2 10YR 5/4	Cl Lo Si Sa Lo	None
C16.10	0-30 30-40	10YR 2/1 10YR 5/4	Cl Lo Si Sa Lo	None
C16.14	0-20 20-30	10YR 2/1 + 5/4 10YR 5/7	Cl Lo Cl Lo	None
C16.18	0-20 20-30	10YR 2/1 + 5/4 + 3/1 10YR 5/7	Cl Lo Cl Lo	None
C16.22	0-20 20-30	10YR 3/1 10YR 5/6 + 2/1	Cl Lo Cl Lo	None
C16.26	0-20 20-30	10YR 3/4 10YR 5/6 + 5/4 + cobbles	Cl Lo Cl Lo	None
C16.30	0-25 25-35	10YR 3/4 10YR 5/7	Si Cl Lo Cl Lo	None
C16.34	0-20 20-40 40-50+	10YR 3/4 10YR 2/1 10YR 5/7 + 5Y 8/2	Si Cl Lo Cl Lo Cl Lo	None
C16.38	0-25 25-35	10YR 3/4 10YR 5/7 + 5Y 8/2	Si Cl Lo Cl Lo	None

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DT

Project Name: Copenhagen Wind Farm Phase IB Date: 10/3/13

Location/Setting: Access rd

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C.16.03	0-25 25-35	10 YR 2/1, 3/3, 4/2 10 YR 4/3	SiCl mottled SiCl	NCM v. compact
C16.07	0-25 25-35	10 YR 2/1, 3/3, 4/2 10 YR 4/3	SiCl mottled SiCl	NCM " "
C16.11	0-22 22-32	10 YR 2/1, 3/3, 4/2 10 YR 4/3	SiCl mottled SiCl	NCM " "
C.16.15	0-20 20-30	10 YR 2/2, 3/3 10 YR 5/6	SiCl mottled SiCl	NCM
C16.19	0-25 25-35	10 YR 3/3 10 YR 5/6	SiCl SiCl	NCM
C16.23	0-30 30	10 YR 3/3, 4/4 —	SiCl mottled Bedrock	NCM
C16.27	0-28 28	10 YR 3/3, 4/4 —	SiCl mottled Bedrock	NCM
C16.31	0-35 35-45	10 YR 2/2, 3/3 10 YR 4/4, 5/6	SiCl mottled SiCl mottled	NCM
C16.35	0-30 30-40	10 YR 2/2, 3/3 10 YR 5/6	SiCl mottled SiCl	NCM
C16.39	0-27 27-37	10 YR 2/2, 3/3 10 YR 5/6	SiCl mottled SiCl	NM
C16.43	0-30 30-40	10 YR 2/2, 3/3 10 YR 5/6	SiCl mottled SiCl mottled	NCM
C16.47	0-28 28-38	10 YR 2/2, 3/3 10 YR 5/6	SiCl mottled SiCl	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): Colin Fly

Project Name: Copenhagen Wind Farm Phase IB Date: 10/8/13

Location/Setting: Access Road Near Frans Found Ax

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C16.04	0-27 27-37	10YR 4/2 10YR 5/5	SiClLo ClLo	NCM
C16.08	0-28 28-38	10YR 3/2 10YR 5/6	SiClLo ClLo	NCM
C16.12	0-26 26-36	10YR 3/2 10YR 3/5	SiCLLo ClLo	NCM
C16.16	0-35 35-45	10YR 3/2, 2/1 10YR 5/6	SiClLo ClLo	NCM Shale
C16.20	0-23 23=BR	10YR 2/1	SiClLo	NCM Shale Bed Rock
C16.24	0-33 33-43	10YR 2/1 10YR 2/1, 3/4	SiClLo SiClLo	NCM
C16.28	0-31 BR	10YR 3/2	SiClLo	NCM shale
C16.32	0-33 33-43	10YR 3/2 10YR 4/2	SiClLo SiClLo	NCM
C16.36	0-31 31-41	10YR 3/2 10YR 4/3	SiClLo SiClLo	NCM
C16.40	0-37 37-47	10YR 3/2 10YR 7/2	SiClLo SiLo	NCM
C16.44	0-33 33-43	10YR 3/2 10YR 4/5	SiClLo SiLo	NCM
C16.48	0-44 44-55	10YR 3/2 10YR 2/5	SiClLo SiLo	NCM
C16.52	0-35 35-45	10YR 3/2 10YR 5/5	SiClLo SiLo	NCM
C16.56	0-38 38-48	10YR 3/2 10YR 4/3	SiLo SiClLo	NCM
C16.60	0-42 42-32	10YR 3/2 10YR 4/6	SiLo SiClLo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES

Date: 10-3-13

Location/Setting: C16 Access Rd

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C16.42	0-25 25-35	10yr 3/1 + 4/4 ~~10yr 5/6~~	si cl lo si cl lo	None
C16.46	0-30 30-40	10yr 3/1 + 5/6 10yr 5/3	si cl lo si cl lo	None
C16.50	0-30 30-40	10yr 3/1 + 5/6 10yr 5/3	si cl lo si cl lo	None
C16.54	0-30 30-40	10yr 3/2 10yr 5/3	si cl lo si cl lo	None
C16.58	0-30 30-33 33-43	10yr 3/2 5y 8/1 10yr 5/3	si cl lo si cl lo si cl lo	None

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DT

Date: 10/3/13

Location/Setting: Access Rd

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C16.51	0-30 30-40	10 YR 3/3, 2/2 10 YR 5/6	SiCl mottled SiCl	NCM
C16.55	0-30 30-40	10 YR 3/3, 2/2 10 YR 5/6	SiCl mottled SiCl	NCM
C16.59	0-35 35-45	10 YR 3/3, 2/2 10 YR 5/6	SiCl Mottled SiCl	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 10-3-13

Location/Setting: Buried Interconnect

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
C16. 45	0-29 29-39	10yr 2/1, 3/2, 4/6 10yr 8/8	SiCL Si	None
C16. 49	0-28 28-38	Same	Same	None
C16. 53	0-37 37-47	Same	Same	None
C16. 57	0-37 37-47	Same	Same	None
BOT				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): SCH

Date: 7/23/13

Location/Setting:
T13

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
04.01	0-8 8-36 36-46	10yr 4/3 7.5yr 5/6 10yr 5/3	Sicllo Sicllo Sicllo	Ø
04.02	0-11 11-21	10yr 4/3 7.5yr 5/6	Sicllo Sicllo	Ø
04.03	0-9 9-19	10yr 3/3 7.5yr 5/6	Sicllo Sicllo	Ø
04.04	0-6 6-10 10-	10yr 3/3 7.5yr 5/6 Bedrock	Sicllo Sicllo	Ø
04.05	0-18 18-28	10yr 3/3 10yr 5/6	Silo Silo	Ø
04.06	0-5 5-15	10yr 3/3 10yr 5/6	Silo Silo	Ø
04.07	0-9 9-19	10yr 3/3 10yr 5/6	Silo Silo	Ø

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): KSP

Date: 7/23/2013

Location/Setting: D4/T13

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D4.08	0-7 7-36	10YR 5/3 7.5YR 5/6	silo sicl lo	NCM rooty
D4.09	0-7 7-17	10YR 5/3 7.5YR 5/8	silo sicl lo	NCM
~~D4.08~~ D4.10	0-11 11-30	10YR 5/3 7.5YR 5/8	silo sicl lo	NCM
~~D4.09~~ D4.11	0-5 5-21	10YR 5/3 7.5YR 5/6	silo sicl lo	NCM
~~D4.06~~ D4.12	0-6 6-18	10YR 5/3 7.5YR 5/6	silo sicl lo	NCM
~~D4.05~~ D4.13	0-3 3-13	10YR 5/3 7.5YR 5/6	silo sicl lo	NCM
D4.14	0-20 20-30	10YR 5/3 7.5YR 5/8	silo sicl lo	NCM
D4.~~28~~ 35	0-5 5-15	10YR 5/3 7.5YR 5/8	silo sicl lo	NCM
D4.34	0-13 13-30	10YR 5/3 7.5YR 5/8	silo sicl lo	NCM
D4.33	0-3 3-26	10YR 5/3 7.5YR 5/6	silo sicl lo	NCM
D4.32	0-3 3-15	10YR 5/3 7.5YR 5/6	silo sicl lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012 Excavator(s): TAK

Project Name: Copenhagen Wind Farm Phase IB Date: 07·23·2013

Location/Setting: T13 . SUCCESSIONAL WOODLAND @ FIELD EDGE

Shovel Test	Depth CMBS	Soil Color	Soil Texture	Artifacts/Comments
D4.15	0-20	10YR 3/3	S, Lo	MCM
	20-30	7.5YR 3/4	S, Cl Lo	MCM
D4.16	0-10	10YR 3/2	S, Lo	MCM
	10-25	7.5YR 3/4	S, Cl Lo	MCM
D4.17	0-10	10YR 3/2	S, Lo	MCM
	10-28	7.5YR 5/8	S, Cl Lo	MCM
D4.18	0-10	10YR 3/2	S, Lo	MCM
	10-25	7.5YR 5/8	S, Cl Lo	MCM
D4.19	0-8	10YR 3/2	S, Lo	MCM
	8-32	7.5YR 5/8	S, Cl Lo	MCM
D4.20	0-5	10YR 3/2	S, Lo	MCM
	5-27	7.5YR 5/8	S, Cl Lo	MCM
D4.21	0-10	10YR 3/2	S, Lo	MCM
	10-25	7.5YR 5/8	S, Cl Lo	MCM
D4.44	0-7	10YR 3/2	S, Lo	MCM
	7-32	7.5YR 5/8	S, Cl Lo	MCM
D4.47	0-10	10YR 3/2	S, Lo	MCM
	10-32	7.5YR 5/8	S, Cl Lo	MCM
D4.45	0-08	10YR 3/2	S, Lo	MCM
	08-31	7.5YR 4/6	S, Cl Lo	MCM
D4.43	0-10	10YR 3/2	S, Lo	MCM
	10-30	7.5YR 4/6	S, Cl Lo	MCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): FMM

Project Name: Copenhagen Wind Farm Phase IB Date: 7/23/13

Location/Setting: Turbine #13

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D4.22	0-9cm 9-37 37-48	mottled 10YR 3/3 7.5YR 3/4 7.5YR 5/6	SiLo SiLo SaSiLo	–
D4.23	~~0-39cm~~ 0-10cm ~~39-48~~ 10-33 33-48	mottled 10YR 3/3 7.5YR 3/4 7.5YR 5/6	SiLo SiLo SaSiLo	–
D4.24	0-7cm 7-25 25-36	mottled 10YR 3/3 7.5YR 3/4 7.5YR 5/6	SiLo SiLo SaSiLo	–
D4.25	0-8cm 8-35 35-50	mottled 10YR 3/3 7.5YR 3/4 7.5YR 5/6	SiLo SiLo SaSiLo	–
D4.26	0-10 cm 10-27 27-43	mottled 10YR 3/2 7.5YR 3/4 10 ~~YR~~ YR 4/6	SiLo SiLo SaSiLo	–
D4.27	0-8cm 8-29 29-40	10YR 3/3 7.5YR 3/4 7.5YR 5/6	SiLo SiLo SaSiLo	–
D4.28	0-15cm 15-33 33-47	mottled 10YR 3/2 7.5 ~~YR~~ YR 3/4 7.5YR 5/6	SiLo SiLo SaSiLo	–
D4.48	0-6cm 6-43	10YR 3/3 7.5YR 4/6	SiLo SiLo	–
D4.46	0-15cm 15-38	10YR 3/3 7.5YR ~~3/3~~ 4/6	SiLo SiLo	–
D4.44	0-17cm 17-36	10YR 3/3 7.5YR 4/6	SiLo SiLo	–

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): KSP

Date: 7/28/2013

Location/Setting: D4/T13

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D4.31	0-11 11-31	10YR5/3 7.5YR5/8	si/o si/lo	NCM
D4.30	0-7 7-21	10YR5/3 7.5YR5/8	si/o si/lo	NCM
D4.29	0-10 10-26	10YR5/3 7.5YR5/8	si/o si/lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): SCH

Date: 7/23/13

Location/Setting: T13

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
Q4.42	0-12 12-22	10yr 3/3 7.5yr 5/6	Silo Silo	Ø
Q4.41	0-7 7-21 21-31	10yr 3/3 10yr 4/6 10yr 6/6	Silo Silo Silo	Ø
Q4.42	0-5 5-13 13-23	10yr 3/3 10yr 4/6 10yr 6/6	Silo Silo Silo	Ø
Q4.43	0-4 4-14 14-24	10yr 3/3 10yr 4/6 10yr 6/6	Silo Silo Silo	Ø
Q4.44	0-16 16-26	10yr 3/3 10yr 5/6	Silo Silo	Ø
Q4.45	0-12 12-22	10yr 3/3 10yr 5/6	Silo Silo	Ø
Q4.46	0-16 16-26	10yr 3/3 10yr 5/6	Silo Silo	Ø

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Scit

Date: 7/23/13

Location/Setting:

T12

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D5.01	0-20 20-30	10yr 4/3 10yr 5/5	Sicllo Sicllo	Ø
D5.02	0-21 21-31	10yr 4/3 10yr 5/5	Sicllo Sicllo	Ø
D5.03	0-22 22-32	10yr 4/3 10yr 5/5	Sicllo Sicllo	Ø
D5.04	0-19 19-29	10yr 4/3 7.5yr 5/6	Sicllo Sicllo	Ø
D5.05	0-25 25-35	10yr 3/3 10yr 5/5	Sicllo Sicllo	Ø
D5.06	0-23 23-33	10yr 3/3 10yr 5/5	Sicllo Sicllo	Ø
D5.07	0-21 21-31	10yr 3/3 10yr 4/5	Sicllo Sicllo	Ø

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): JAK

Date: 07-23-2013

Location/Setting: T12 · AG. FIELD

Shovel Test	Depth cmbs	Soil Color	Soil Texture	Artifacts/Comments
DS.15	0 · 20	10YR 4/4	SiLo	MCM
	20 · 40	10YR 4/4 w/5/6	SiClLo	MCM
DS.16	0 - 26	10YR 4/4	SiLo	MCM
	26 - 36	10YR 5/6	SiClLo	MCM
DS.17	0 - 23	10YR 4/4	SiLo	MCM
	23 - 33	10YR 5/6	SiClLo	MCM
DS.18	0 · 33	10YR 4/4	SiLo	MCM
	33 · 43	10YR 5/6	SiClLo	MCM
DS.19	0 - 25	10YR 4/4	SiLo	MCM
	25 · 35	10YR 5/6	SiClLo	MCM
DS.20	0 - 18	10YR 4/4	SiLo	MCM
	18 · 28	10YR 5/6	SiClLo	MCM
DS.21	0 - 27	10YR 4/4	SiLo	MCM
	27 - 37	10YR 5/6	SiClLo	MCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): KSP

Date: 7/23/13

Location/Setting: D5/T12

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D5.08	0-24 24-34	10YR 4/4 10YR 4/6	silo sasi	NCM
D5.09	0-19 19-29 29+	10YR 4/4 10YR 4/6 Saprolite/Bedrock	silo sasi	NCM
D5.10	0-23 23-33	10YR 4/4 7.5YR 5/6	silo slsi	NCM
D5.11	0-32 32-36	10YR 4/4 Saprolite	silo	NCM
D5.12	0-30 30+	10YR 4/4 Saprolite	silo	NCM
D5.13	0-22 22-32 32+	10YR 4/4 10YR 4/6 Saprolite	silo sasi	NCM
D5.14	0-27 27-37 37+	10YR 4/4 10YR 4/6 Rocky/Saprolite	silo sasi	NCM
D5.~~15~~29	0-24 24-34	10YR 4/4 7.5YR 5/8	silo sasi	NCM
D5.30	0-25 25-35	10YR 4/4 10YR 4/6	silo silo	NCM
D5.31	0-36 36-46	10YR 4/4 Saprolite	silo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): FMM

Date: 7/23/13

Location/Setting: Turbine #12

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D5.22	0-35cm 35-48	10YR 3/3 10YR 4/3	Silo Silo	–
D5.23	0-24cm 24-39	10YR 3/3 10YR 4/3	Silo Silo	–
D5.24	0-28cm 28-45	10YR 3/3 10YR 4/3	Silo Silo	–
D5.25	0-29cm 29-42	10YR 4/3 10YR 4/6	Silo Silo	–
D5.26	0-26cm 26-39	10YR 3/3 10YR 4/6	Silo Silo	–
D5.27	0-27cm 27-37	10YR 3/4 10YR 4/6	Silo Silo	–
D5.28	0-38cm 38-54	10YR 3/3 10YR 4/2	Silo Silo	–

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): KSP

Date: 7/24/13

Location/Setting: D5/T12

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D5.32	0-26 26-36	10YR 4/4 7.5YR 5/6	silo siclo	NCM
D5.33	0-17 17-27	10YR4/4 10YR 4/6	silo sasi	NCM
D5.34	0-19 19-29.	10YR4/4 7.5YR5/6	silo siclo	NCM
D5.35	0-39 39-49	10YR4/4 10YR 4/6	silo sasi	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): SCH

Date: 7/24/13

Location/Setting:

T12

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D5.36	0-22 22-32	10yr 4/3 10yr 5/5	Sicl lo Sicl lo	Ø
D5.37	0-25 25-35	10yr 4/3 10yr 5/6	Sicl lo Sicl lo	Ø
D5.38	0-33 33-43	10yr 4/3 10y 5/5	Sicl lo Sicl lo	Ø
D5.39	0-31 31-41	10yr 4/3 10yr 5/3	Sicl lo Sicl lo	Ø
D5.40	0-28 28-38	10yr 4/3 7.5yr 4/6	Sicl lo Sicl lo	Ø
D5.41	0-31 31-41	10yr 4/3 10yr 5/6	Sicl lo Sicl lo	Ø
D5.42	0-22 22-32	10yr 4/3 10yr 4/6	Sicl lo Sicl lo	Ø

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): PAS

Project Name: Copenhagen Wind Farm Phase IB Date: 7/24/13

Location/Setting: T13 open field

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
DS. 43	0-33 33-43	10YR 4/3 10YR 5/4	si lo si cl lo	NCM
DS. 44	0-39 39-49	10YR 4/3 10YR 5/4	si lo si cl lo	NCM
DS. 45	0-40 40-50	10YR 4/3 7.5YR 4/6	si lo si cl lo	NCM
DS. 46	0-32 32-42	10YR 4/3 10YR 5/6	si lo si cl lo	NCM
DS. 47	0-35 35-45	10YR 4/3 10YR 5/6	si lo sa si cl	NCM
DS. 48	0-34 34-44	10YR 4/3 10YR 5/4	si lo si cl lo	NCM
DS. 49	0-37 37-47	10YR 4/3 10YR 5/6	si lo sa si	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): SCH

Date: 7/26/13

Location/Setting: T6

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D10.35	0-23	10yr 4/3	Sicllo	Ø
	23-	Rock impasse		Bedrock
D10.34	0-21	10yr 4/3	Sicllo	Ø
	21-	Rock impasse		Bedrock
D10.33	0-18	10yr 4/3	Sicllo	Ø
	18-28	10yr 5/5	Sicllo	
D10.32	0-15	10yr 4/3	Sicllo	Ø
	15-	Rock	impasse	Bedrock
D10.31	0-13	10yr 4/3	Sicllo	Ø
	13-	Rock impasse		Bedrock
D10.30	0-17	10yr 4/3	Sicllo	Ø
	17-	Rock impasse		Bedrock
D10.29	0-22	10yr 4/3	Sicllo	Ø
	22-	Rock impasse		Bedrock

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): KSP

Date: 7/26/13

Location/Setting: D10/T6 open field

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D10.42	0-30 30+	10YR 3/4 Saprolite	Silo —	NCM
D10.41	0-30 30-32 32+	10YR 3/4 7.5YR 5/6 Bedrock	Silo Sicl —	NCM
D10.40	0-31 31+	10YR 3/4 Saprolite	Silo —	NCM
D10.39	0-30 30-40	10YR 3/4 7.5YR 4/6	Silo Sicl	NCM
D10.38	0-32 32+	10YR 3/4 Saprolite	Silo —	very rocky NCM
D10.37	0-10 10+	10YR 3/4 Bedrock	Silo —	NCM
D10.36	0-30 30+	10YR 3/4 Bedrock	Silo —	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Excavator(s): PAS

Project Name: Copenhagen Wind Farm Phase IB

Date: 7/26/13

Location/Setting: T6 Open Field

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D10.49	0-31 31-41	10YR 4/3 10YR 5/4	Si lo Si cl lo	NCM
D10.48	0-29 29-39	10YR 4/3 10YR 5/4	Si lo Sa Si	NCM
D10.47	0-30 30-40	10YR 4/3 10YR 5/4	Si lo Sa Si	NCM
D10.46	0-26 26-36	10YR 4/3 10YR 5/4	Si lo Sa Si	NCM
D10.45	0-14 14 +	10YR 3/3 Rock Impass	Si lo	NCM
D10.44	0-12 12-22	10YR 3/3 ~~7.5~~YR 5/4	Si lo Si Sa lo	NCM
D10.43	0-10 10-20	10YR 3/3 ~~7.5~~YR 5/4	Si lo Si Sa lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB

Date: 8. 26 13 Mon

Location/Setting: Turbine 27 open cut field

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D11. 01	0-30 30-40	10yr 3/3 7.5yr 4/4	SiLo SiLo	NCM 3% gravel
D11. 02	0-27 27 37	Same	Same	NCM 3% gravel & cobbles
D11. 03	0-24 24-34	Same	Same	NCM 3% gravel / pebbles
D11. 04	0-37 37-47	10yr 3/3 10yr 4/6	CL Si CL Si	NCM 1% gravel
D11. 05	0-35 35-45	Same	Same	NCM
D11. 06	0-37 37-47	10yr 3/3 10yr 5/6, 6/3	CL Si very Fine SA CL	NCM
D11. 07	0-27 27 37	Same	Same	NCM
EOT.				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Nick Dgller

Date: 8/26/13

Location/Setting: Site 27
D11/08

Shovel Test	Depth (cm BS)	Soil Color	Soil Texture	Artifacts/Comments
11.08	~~11~~ 0-18 18-28	Dark Brown W/ Red ~~Sandy~~ MOIST ~~B~~ SUB layer	S, L S, CL	Shell/Lime - NOT COLLECTED NCM
11.09	~~10~~ 11 0-16 16-26	11	S, L 11 S, CL	NOTHING NCM NCM
11.10	~~10~~ 11 0-16 16-26	Dark Brown Red SUBLayer	11 S, L S, CL	NCM NCM
11.11	0-24 24-35	10YR 4/2 · DGB 5YR 4/6 · YR	S, L S, CL	NCM NCM
11.12	0-26 26-38	4R 4/2 · DGB 5YR 4/6 · YR	S, L S, C, L	NCM NCM
11.13	0-20 20-32	4R 4/2 DGB 5YR 4/6 YR	SL SCL	NCM NCM
11.14	0-30 30-41	5R 4/2 DGB 5YR 8/5 YB	SL SCL	NCM NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): FMM

Project Name: Copenhagen Wind Farm Phase IB Date: 8/26/13

Location/Setting: D11, Turbine site 27. open field

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D11.15	0-20cm 20-24 24-28 28-45	10YR3/2 10YR2/1 10YR7/2 10YR3/4	SiLo SiLo SaLo SiLo	Clear burn layer, L.2-L.3. . . historic earthenware in L.1
D11.16	0-21cm 21-32 32-48	10YR3/2 mottled 10YR3/3 10YR4/4	SiLo SiLo SiLo	partial burn layer, L.2 . . . NCM
D11.17	0-22cm 22-36	10YR3/2 7.5YR4/4	SiLo SiLo	—
D11.18	0-26cm 26-43	10YR3/2 7.5YR4/4	SiLo SiLo	flat glass frag.
D11.19	0-19cm 19-30 30-41	10YR3/2 mottled 7.5YR4/4 mottled 10YR6/2	SiLo SiLo SaLo	—
D11.20	0-27cm 27-46	10YR3/2 7.5YR4/4	SiLo SiLo	—
D11.21	0-23 23-33	10YR3/2 7.5YR 4/4	SiLo SiClLo	NCM NCM U/TAK
D11.36	0-28cm 28-41	10YR3/2 mottled 10YR 4/6 + 6/2	SiLo SaSi	—
D11.37	0-28cm 28-48	10YR3/2 mottled 10YR 4/6 + 6/2	SiLo SaSi	—
D11.38	0-21cm 21-41 41-52	10YR3/2 mottled 7.5YR4/4 mottled 10YR4/6	SiLo SiLo SaSiLo	—
D11.39	0-29cm 29-44	10YR3/2 7.5YR4/4	SiLo SiLo	—
D11.40	0-24cm 24-41	10YR3/2 7.5YR4/4	SiLo SaSi	—
D11.41	0-27cm 27-44	10YR3/2 7.5YR4/4	SiLo SaSi	—
D11.42	0-23cm 23-45	10YR3/2 mottled 7.5YR4/4 and 10YR4/6	SiLo SaSi	—

Transect #3

Transect #6

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Emilia Stanfill

Date: Aug. 26, 2013

Location/Setting: D11 Turbine Site 27

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D11.22	0-20 cm 20-30 cm	10YR 2/1 10YR 5/6	Si loam Si Loam	NCM
11.23	0-15 cm 15-25 cm	10YR 2/1 10YR 5/6	Si Loam Si Loam	1 sm. brick frag not collected from A horizon
11.24	0-20 cm 20-30 cm	10YR 2/1 10YR 5/6	Si loam Si loam	No artifacts found NCM
11.26	0-20 cm 20-30 cm	10YR 2/1 mottled w/ 10YR 3/4 10YR 5/6 mottled w/ 10YR 5/2	Si loam Si Loam	NCM
11.27	0-23 cm 23-33 cm 33-44 cm	10YR 2/1 10YR 2/1 mottled with Burnash layer 10YR 5/6 mottled w/ 10YR 5/7	Si loam Si loam Sa loam	Ash layer around entire ST. Stronger in the SE section w/ grey ash visible NCM
11.28	0-25 cm 25-35 cm	10YR 2/1 10YR 5/6	Si loam Si Loam	NCM
11.25	0-25 cm 25-35 cm	10YR 2/1 10YR 5/6	Si Loam Si Loam	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012
Project Name: Copenhagen Wind Farm Phase IB
Excavator(s): DB
Date: 8.26.13

Location/Setting:

T. 27.

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D11. 29	0-26 26-36	10yr 3/3 7.5yr 4/4	SiLo SiLo	NCM
D11. 30	0-26 26-36	10yr 3/3 10yr 4/6, 6/2	SiLo SaSi	NCM
11. 31	0-30 30-40	Same	Same	NCM
11. 32	0-23 23-33	10YR 3/3 10YR 4/6, 6/2	SiLo SiCLo	MCM MCM
D11. 33	0-26 26-36	Same	Same	NCM
D11. 34	0-26 26-36	Same	Same	NCM
D11. 35	0-28 28-38	Same	Same	NCM
EOT				

draw a line to separate shovel tests

7x4 +1

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Nick Oaller

Date: 8/26/13

Location/Setting: Site 27
D 11

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
11.43	0-25 25-34	10YR 3/1 vdg 10YR 5/6 LOB	SL SCL	NCM NCM
11.44	0-18 18-32	10YR 3/1 vdg 10YR 5/6 LOB	SL SCL	NCM NCM
11.45	0-20cm 20-30cm	10YR 3/1 10YR 5/6	Silo Silo	NCM
11.46	0-23 23-35	10YR 3/1 10YR 5/6	SL SCL	NCM NCM
11.47	0-15cm 15-25cm	10YR 3/1 10YR 5/6	Silo Silo	NCM
11.48	0-19 19-32	10YR 3/1 10YR 5/6	SL SCL	NCM
11.49	0-25cm 25-35cm	10YR 3/1 10YR 5/6	Silo Silo	one 2x3 mm milky quartz not saved NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Emilia Stamfill

Date: 8-26-2013

Location/Setting: D12, Access Road

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D12.01	0-23 cm 23-33 cm	10YR 3/2 10YR 5/6	SiLo SaSiLo	NCM
D12.04	0-23 cm 23-29 29-39 39-49	10YR 3/2 10YR 2/1 10YR 6/2 10YR 4/4	SiLo SaSiLo SiSa SaSi	NCM
D12.07	0-25 25-35	10YR 3/2 10YR 5/7 mottled w/ sand	SiLo SiLo	NCM
D12.10	0-30 cm 30-40	10YR 3/2 10YR 4/6	SiClLo SiSa	—
D12.13	0-40	10YR 3/2 mottled w/ 10YR 4/4	Si Clay loam	NCM Stopped by water
D12.16	0-20 20-30	10YR 2/1 10YR 5/7 mottled w/ 10YR 5/6	Si Clay loam Sa ~~Clay~~ loam	Ncm
D12.19	0-25 cm 25-36	10YR 3/2 10YR 4/6	SiClLo SaSi	—
D12.22	0-25 cm 25-35 cm	10YR 3/2 10YR 5/7 mottled w/ 10YR 5/6	Si Clay loam Sa Si	NCM
D12.25	0-15 cm 15-30 cm	10YR 3/2 10YR 5/6 mottled w/ 10YR 5/7	Si Clay loam Sand Si	Ncm
D12.28	0-24 cm 24-34 34-44	10YR 3/2 10YR 4/5 7.5YR 4/6	SiClLo SiLo SaSi	—
D12.31	0-20 20-30	10YR 3/2 10YR 5/7 mottled w/ 10YR 5/6	Si clay Lo Sa Si	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB

Date: 8.26.13

Location/Setting: access Road

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D12.02	0.32 32.42	10yr 3/3 10yr 4/4, 6/3	CL si SA si	NCM
D12.05	0.30 30.40	Same	Same	NCM
D12.08	0.30 30.40	Same	si CL ~~Same~~ si cl	NCM
D12.11	0.33 33-43	10yr 3/2 10yr 5/6, 5/8	SiCL Si SA	NCM
D12.14	0.33 33-43	10yr 3/1 10yr 6/4, 5/6	SiCL Si SA	NCM
D12.17	0.28 28.38	10yr 3/1 10yr 6/4, 5/6	SiCL SiCL	NCM
D12.20	0.27 27-37	Same	SiCL Si SA	NCM
D12.23	0-26cm 26-36	10YR 3/7 10YR 4/6	SiCLLo SiCLLo	–
D12.26	0.22 22.32	10yr 3/3 10yr 6/3, 5/8	SiCL Si SA	NCM
D12.29	0.22 22.32	Same	same	NCM
D12.32	0.20 20.30	Same	same	NCM
D12.35	0.23 23.33	Same	Same	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): NICK Daller

Date: 8/26/13

Location/Setting: ACCESS ROAD

D12

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
12.03	0-25 25-37	10YR 3/1 VDG 10YR 8/7 BY	SCL SCL	NCM
12.06	0-29 0-31	10YR 3/1 VDG 10YR 8/1 PY	SCL SCL	NCM NCM
D12.09	0-34cm 34-45	10YR 3/2 10YR 5/6	SiClLo SaSi	—
D12.12	0-23 23-32	10YR 3/1 10YR 8/7	SCL SCL	NCM NCM
112.15	0-30 30-40	10YR 3/2 10YR 5/6	SCL SCL	NCM NCM
D12.18	0-29cm 29-41	10YR 3/2 10YR 6/3	SiClLo SiClLo	—
D12.21	0-33cm 33-41	10YR 3/2 10YR 6/3	SCL SCL	NCM NCM
D12.24	0-31 31-43	10YR 3/2 10YR 6/3	SCL SCL	NCM NCM
D12.27	0-23cm 23-40	10YR 3/2 10YR 4/6	SiClLo SaSi	—
D12.30	0-40 40-50	10YR 3/2 10YR 4/6	SCL SCL	NCM NCM
D12.33	0-35 35-48	10YR 3/2 10YR 4/6	SCL SCL	NCM NCM
D12.36	0-30 30-40	10YR 3/2 10YR 4/6	SiLo SiClLo	NCM NCM - HYDRIC
D12.39	0-27 27-35	10YR 3/2 10YR 4/6	SiLo SiClLo	NCM NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES, FMM

Date: 08.26.2013

Location/Setting: D12 Access Road

Shovel Test	Depth CMBS	Soil Color	Soil Texture	Artifacts/Comments
D12.34	0-29 29-39	10YR 3/2 7.5YR 4/6	Si Lo Si Cl Lo	NCM NCM
D12.37	0-23cm 23-35	10YR 3/2 7.5YR 4/5	SiClLo Sa Si	—
D12.40	0-25 25-35	10YR 3/2 10YR 5/6	Si Cl Lo Sa Si	NCM
D12.43	0-23cm 23-35	10YR 3/2 10YR 6/4	SiClLo SiLo	—
D12.46	0-25cm 25-35	10YR 3/2 10YR 6/4	Si Clay Lo Si Lo	NCM
D12.49	0-22 22-32	10YR 3/2 10YR 6/4	Si Cl Lo Si Sa Lo	NCM NCM
D12.52	0-24 24-34	10YR 3/2 10YR 6/4	Si Cl Lo Si Sa Lo	NCM NCM
~~[illegible]~~	~~[illegible]~~			
D12.55	0-26cm 26-36	10YR 3/2 10YR 4/6	SiClLo SiLo	—

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012
Project Name: Copenhagen Wind Farm Phase IB
Location/Setting: access Road

Excavator(s): DB
Date: 8-26-13

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D12.38	0-28 28-38	10yr 3/2 10yr 6/6, 6/3	Si cl Si cl	NCM
D12.41	0-28 28-38	10yr 3/2 10yr 6/6 6/3	Si cl Si cl	NCM
D12.44	0-26 26-36	Same	Same	NCM
D12.47	0-30 30-40	10yr 3/3 10yr 6/6, 5/8 6/3	Si cl ~~SAC~~ SA Si	NCM
D12.50	0-30 30-40	Same	Same	NCM
D12.53	0-30 30 40	Same	Same	NCM
D12.56	0-30 30-40	Same	Same	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Nick Deller

Date: 8/26/13

Location/Setting: Access Road Between T26 and T27
D12

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D12.42	0-26 26-35	10YR 3/2 10YR 4/6	SiLo SiCiLo	NCM NCM
D12.45	0-23 23-36	10YR 3/2 10YR 4/6	SiLo SiCiLo	NCM NCM
D12.48	0-23cm 23-34	10YR3/2 10YR 4/6	SiCiLo SiLo	—
D12.51	0-24 24-34	10YR 3/2 10YR 4/6	SiCLo SiLo	NCM NCM
D12.54	0-24cm 24-38	10YR3/2 10YR4/6	SiCiLo SaSi	—
D12.57	0-27 27-35	10YR 3/2 10YR 4/6	SiCiLo SiLo	NCM NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES

Date: 8-27-2013

Location/Setting: D12 Access Road

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D12.58	0-25 cm 25-35cm	10YR 3/2 10YR 4/6	Si Clay loam Si Loam	Ncm
D12.61	0-10cm 10-20 cm 20-35	10YR 3/2 10YR 3/2 mottled w/ 10YR 5/7 10YR 5/7	Si Clay loam Si clay loam Si Loam	Ncm
D12.64	0-24cm 24-39	10YR3/2 10YR4/6	SiClLo SaSi	—
D12.67	0-15 15-25cm	10YR 3/2 10YR 5/7	Si clay loam Sa Sil	Ncm
D12.70	0-21cm 21-35	10YR3/2 10YR ~~4/6~~ 5/6	SiClLo SaSi	—
D12.73	0-15 15-25	10YR 3/2 10YR 5/6	SiClayLo SaSi	Ncm

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): P.B

Date: 8-27-13

Location/Setting: access Road

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D12.59	0-28 28-38	10yr 3/3 10yr 5/6	SiCL SA Si	NCM
D12. 62	0-26 26-36	10yr 3/3 10yr 5/6, 5/8	SiCL SASi	NCM
D12. 65	0-25cm 25-37	10YR 3/2 7.5YR 4/6	SiCLo SaSi	–
D12. 68	0-26 26-36	10yr 3/3 10yr 5/6	SiCL SaSi	NCM
D12. 71	0-27 27-37.	10yr 3/3 10yr 5/4, 5/8	SiCL CLSi	NCM
D12. 74	0-27 27-37	Same	Same	NCM
D12. 77				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Nick ~~Dallam~~ D.

Date: 8/27/13

Location/Setting: Access Road between T27 + T26 – open field

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D12.60	0-28cm 28-37	10YR3/2 10YR4/4	SiClLo SaSiLo	—
D12.63	0-25cm 25-36	10YR3/2 10YR4/6	SiClLo SaSi	—
D12.66	0-23 23-34	10YR3/2 10YR4/6	SiClLo SaSi	—
D12.69	0-27 27-39	10YR 3/2 10YR4/6	SiCLo SaSi	—
D12.72	0-35 35-44	10YR 3/2 10YR4/6	SiSLo SaSi	—
D12.75	0-30 30-39	10YR 3/2 10YR 4/6	SiSLo SaSi	—

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): NICK Diller

Date: 8/27/13

Location/Setting: ACCESS ROAD D13 NEXT TO T 26

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D13.01	0-35cm 35-37	10YR 4/2 10YR 7/6	SiCLo SiLo	NCM NCM
D13.04	0-25cm 25-29 29-41	10YR 3/3 10YR 7/1 10YR 5/6	SiClLo SiLo SiLo	—
D13.07	0-34 34-47	10YR 4/2 10YR 7/6	SiClLo SiLo	NCM NCM
D13.10	0-27 27-41	10YR 4/2 10YR 7/6	SiCLo SiLo	NCM NCM
D13.13	0-34 34-44	10YR 4/2 10YR 7/6	SiCLo SiLo	NCM NCM
D13.16	0-26 26-39	10YR 4/2 10YR 7/6	SiCLo SiLo	NCM NCM
D13.19	0-33cm 33-54	10YR 3/3 10YR 4/5	SiClLo SaSiLo	—
D13.22	0-33 33-44	10YR 4/2 10YR 4/5	SiCLo SiLo	NCM NCM
D13.25	0-33 33-42	10YR 4/2 10YR 7/6	SiCLo SiLo	NCM NCM
D13.28	0-27cm 27-36	10YR 3/3 10YR 6/6	SiClLo SaSiLo	—
D13.31	0-39 39-48	10YR 3/3 10YR 6/6	SiCLo SaSiLo	NCM NCM
D13.34	0-39 39-48	10YR 3/3 10YR 6/6	SiCLo SaSiLo	NCM NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 8.27.13

Location/Setting: access Rd near T26

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D13.02	0.24 24-34	10yr 3/3 10yr 5/4	CL Lo CL Si	NCM
D13.05	0.24 24.34 34-44	10yr 4/2 10yr 4/4 10yr 5/8, 2.5y 7/2	CL Lo CL Si CL Si Si	NCM
D13.08	0.27 27.37	10yr 4/2 10yr 5/6 – 2.5y 6/3	CL Lo CL Si Si	NCM
D13.11	0.37 37.47	10yr 4/2 10yr 5/6, 2.5y 6/3	CL Lo CL Si Si	NCM
D13.14	0-24cm 24-35	10YR 3/2 10YR 5/6	SiCLLo SiLo	–
D13.17	0.24 24.34	Same	Same	NCM
D13.20	0.23 23.33	Same	Same	NCM
D13.23	0 - 25 25 - 35	SAME	SAME	MCM MCM
D13.26	0.25 25.35	Same	Same	NCM
D13.29	0.22 22.32	Same	Same	NCM
D13.32	0-22 22.32	Same	Same	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012 Excavator(s): ES

Project Name: Copenhagen Wind Farm Phase IB Date: 8-26-13

Location/Setting: D13 Next to Turbine 26

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D13.03	0-25cm 25-35cm	10YR 3/2 mottled w/10YR 4/4 10YR 6/4	Sa Clay loam Si Clay loam	NCM
13.06	0-15 cm 15-25 cm	10YR 3/2 10YR 5/7	Si Clay loam Sand loam	NCM
D13.09	0-22cm 22-36	10YR 3/3 10YR 5/6	SiCLo SaSi	—
D13.12	0-12 cm 12-30 cm	10YR 3/3 10YR 5/7 mottled w/10YR 6/4 and 10YR 3/2	Si Clay loam Sa Si	NCM
D13.15	0-14cm 14-30	10YR 4/2 10YR 5/6	SiCLo SaSi	—
D13.18	0-20cm 20-30cm	10YR 3/4 10YR 5/6 mottled w/10YR 5/7	Si Clay loam Sa Si	NCM
D13.21	0-20cm 20-30	10YR 3/3 10YR 5/6 mottled w/10YR 5/7	Si Clay loam Sa Si	NCM
~~D13.24~~	~~0-20cm~~ ~~20-30cm~~	~~10YR 3/3~~ ~~10YR 5/6~~	~~Si Clay loam~~ ~~Sa Si~~	~~NCM~~
D13.24	0-21cm 21-31	10YR 3/3 10YR 5/6	SiCLo SaSiLo	—
D13.27	0-27cm 27-37	10YR 3/3 10YR 6/6	SiCLo SaSiLo	—
D13.30	0-18 18-26 26-30	10YR 3/3 10YR 3/3 mottled w/ 10YR 5/7 10YR 5/7	Si Clay loam Sa Si Sa Si	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES

Date: 8-26-13

Location/Setting: D13, Next to Turbine 26

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D13.33	0-31cm 31-43	10YR 3/2 10YR 7/6, mottles	SiClLo SaSiLo	—
D13.36	0-20 20-30	10YR 3/2 10YR 6/4	Si Clay loam Sa Si loam	—
D13.39	0-24cm 24-36	10YR 3/2 10YR 6/6	SiClLo SaSiLo	—
D13.42	0-25 25-35	10YR 3/2 10YR 6/4	SiClLo SaSiLo	MCM MCM
D13.45	0-25 25-34	10YR 3/2 10YR 5/6	Si Clay loam Sandy Si Loam	~~Area of~~ Drainage tile ~~not~~ fragment not collected in A horizon
D13.48	0-20 20-35	10YR 3/2 10YR 5/6	Si Clay loam Sandy loam	NCM
D13.51	0-24cm 24-40	10YR 3/3 10YR 5/6	SiClLo SaSiLo	—
D13.54	0-28 28-38	10YR 3/3 10YR 5/6	SiClLo SaSiLo	MCM MCM
D13.57	0-22cm 22-36	10YR 3/3 10YR 5/6	SiClLo SaSiLo	—
D13.60	0-20cm 20-33	10YR 3/3 10YR 5/6	SiClLo SaSiLo	—
D13.63	0-20cm 20-30cm	10YR 3/3 10YR 5/6	SiClaLo SaClayLo	Stopped by lg Rock NCM
D13.66	0-25 25-35cm	10YR 3/3 10YR 5/6	SiClay Lo Sa Clay Lo	NCM
D13.69	0-42 42-52cm	10YR 3/3 10YR 5/6	Si Clay Lo Sa SiLo	NCM
D13.72	0-22cm 22-45 45-58	10YR 3/3 10YR 4/4 10YR 5/6	SiClLo SiLo SaSiLo	—

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 8.27.13

Location/Setting: access Rd near T26

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D13.35	0-27 27 37	10yr 3/2 10yr 6/3, 5/6	CL Lo CL Si	Non
D13.38	0.27 27.37	10yr 3/2 10yr 6/3, 5/6 2.5 y 6/3.	CL Lo CLSi Si	Non
(M) D13.41	0.25 25.35	10yr 3/2 Same	Same	1 modern wire nail (Discarded)
D13,44	0-23cm 23-38	10YR 4/2 10YR 5/6	SiCLLo SaSiLo	small frag. of very modern glass, clear
D13.47	0.25 25.35	10yr 3/2 10yr 6/3, 5/6	CL Lo CLSi	Non
D13.50	0.25 25.35	Same	CLLo Si	Non
D13.53	0.26 26.36	Same	Same	Non
D13.56	0.26 26.36	Same	Same	Non
D13.59	0.26 26.36	Same	Same	Non
D13.62	0.30 30.40	Same	Same	Non
D13.65	0.30 30 40	10yr 3/3 10yr 5/4	CL Lo CL Si	Non

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): NICK Dallier

Project Name: Copenhagen Wind Farm Phase IB Date: 8/27/13

Location/Setting: ACCESS ROAD D13 NEXT TO F26

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D13.37	0-37 37-46	10YR 3/3 10YR 6/6	SiC/LO SiLO	NCM NCM
D13.40	0-33 33-41	10YR3/3 10YR 6/6	SiC/LO SiLO	NCM NCM
D13.43	0-33 33-43	10YR3/3 10YR 6/6	SiC/LO SiLO	NCM NCM
D13.46	0-27 27-30	10YR 3/3 10YR 6/6	SiCLO SiSaLO	NCM NCM - REFUSAL @ ROCK
D13.49	0-39 30-40	10YR 3/3 10YR 6/6	SiCLO SiSaLO	NCM NCM
D13.52	0-20cm 20-41	10YR 3/3 7.5YR 5/5	SiCLO SaSiLO	—
D13.55	0-23 23-34	10YR 3/3 10YR 6/6	SiCLO SaSiLO	NCM NCM
D13.58	0-29 29-38	10YR3/3 10YR6/6	SiCLO SaSiLO	NCM NCM
D13.61	0-25cm 25-40	10YR 3/3 10YR 4/6	SiCLO SaSiLO	—
D13.64	0-30 30-32	10YR 3/3 10YR 4/6	SiCLO SaSiLO	NCM NCM
D13.67	0-34cm 34-44	10YR 3/3 10YR 5/6	SiCLO SaSiLO	—
D13.70	0-40 40-48	10YR 3/3 10YR 4/6	SiCLO SaSiLO	NCM NCM
D13.73	0-22 22-32	10YR3/3 10YR 4/6	SiCLO SaSiLO	NCM NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB

Date: 8-27-13

Location/Setting: access Rd near T26

Shovel Test	Depth cmbs	Soil Color	Soil Texture	Artifacts/Comments
D13.68	0-28 28-38	10yr 5/2 10yr 5/4	CL Lo CL Si	NCM
D13.71	0-29 29-39	10YR 4/2 10YR 5/4	Cl Lo Si CL	MCM NCM
D13.74	0-26 26-36	10yr 3/3 7.5yr 4/4	SiLo SiCL	NCM
D13.77	0-26 26-36	Same	Same	NCM
D13.80	0-26 26-36	Same	Same	NCM
D13.83	0-24 24-34	Same	Same	NCM
D13.86	0-28 28-38	10yr 3/3 10yr 6/3, 6/4	Same	NCM
D13.89	0-30 30-40	10YR 3/3 10YR 6/3 + 6/4	Si Lo Si Cl	MCM MCM
D13.92	0-30 30-40	Same	Same	NCM
D13.95	0-30 30-40	Same	Same	NCM
D13.98	0-30 30-40	Same	Same	NCM
D13.101	0-30 30-40	Same	Same	NCM

draw a line to separate shovel tests

eological Survey Field Record Sheet

r Project #: 12012

roject Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES, FM

Date: 8-26-13

Location/Setting: D13 Next to Turbine 26

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D13.75	0-25 25-35cm	10YR 3/2 10YR 5/6	SiCl Loam Si Clay loam	NCM
D13.78	0-19cm 19-26 26-37	10YR 3/3 10YR 4/4 10YR 5/6	SiClLo SiLo SaSiLo	—
D13.81	0-18cm 18-33 33-39 39-49	10YR 4/3 10YR 4/4 10YR 6/6 10YR 7/2	SiClLo SiClLo SiLo SaSi	—
D13.84	0-30 30-40	10YR 3/2 10YR 5/6	Si Clay Loam Si Clay Loam	NCM
D13.87	0-25cm 25-40 41-51	10YR 3/3 10YR 4/5 10YR 6/3	SiClLo SiLo SaSiLo	—
D13.90	0-25 25-40 40-45	10YR 3/3 10YR 4/4 10YR 5/6	SiClLo Si ClayLo Sa SiLo	Stopped by Rock
D13.93	0-28cm 28-37 37-44 44-54	10YR 3/3 10YR 4/4 10YR 5/6 10YR 6/3	SiClLo SiLo SaSiLo SaSi	—
D13.96	0-30 30-36 36-46	10YR 3/3 10YR 3/4 mottled w/ 10YR 5/6 and Rootburn 10YR 5/6	Si Clay Lo Si Clay Lo Sa Si	NCM
D13.99	0-31cm 31-38 38-47 47-59	10YR 4/3 10YR 2/1, mottled 4/3 10YR 5/6 10YR 6/3	SiClLo SiClLo SaSiLo SaSi	—

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Nick Daller

Date: 8/27/13

Location/Setting: D13 Access Road NEXT TO T26

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D13.76	0-19 19-33	10YR 3/3 10YR 6/7	SiCL SaSiCL	NCM NCM
D13.79	0-20 20-30	10YR 3/3 10YR 7/4	SiCLo SiSaCL	—
D13.82	0-24 24-32	10YR 4/4 10YR 7/2	SiCLo SiSaCL	—
D13.85	0-23 23-38	10YR 4/4 10YR 7/2	SiCLo SiSaCL	—
D13.88	0-23 23-35	10YR 4/4 7/2	SiCLo SiSaCL	—
D13.91	0-23 23-38	10YR 4/4 10YR 7/2	SiCLo SiSaCL	—
D13.94	0-23 23-37	10YR 4/4 10YR 7/2	SiCLo SiCL	—
D13.97	0-30 30-39	10YR 4/4 10YR 7/2	SiCL SiCL	—
D13.100	0-24 24-37	10YR 4/4 10YR 7/2	SiCL SiSaCL	—
D13.103	0-25cm 25-45	10YR 3/3 10YR 5/4	SiCLo SiSaLo	—
D13.106	0-30 30-39	10YR 3/3 10YR 5/4	SiCLLo SiSaLo	—
D13.109	0-24 24-34	10YR 3/3 10YR 5/4	SiLo SiSaLo	—
D13.112	0-23 23-34	10YR 3/3 10YR 5/4	SiLO SiSALO	—
D13.115	0-24 24-35	10YR 3/3 10YR 5/4	SiLO SiSALO	—
D13.118	0-30cm 30-50	10YR 3/3 10YR 5/4	SiCLo SiLo	—

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012
Project Name: Copenhagen Wind Farm Phase IB
Excavator(s): ES, FH
Date: 8-~~26~~-13 27
Location/Setting: D13 Next to Turbine 26

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D13.102	0-35 35-45	10YR 3/3 10YR 5/6	SiCl Lo Sa Si	NCM
D13.105	0-25 25-35	10YR 3/3 10YR 5/6	SiCl Lo Sa Si	NCM
D13.108	0-31 cm 31-44 44-54	10YR 4/3 10YR 5/5 10YR 6/3	SiClLo SiLo SaSi	—
D13.111	0-30 30-40	10YR 3/3 10YR 5/6	SiCl Lo Sa Si	
D13.114	0-27cm 27-41	10YR 3/3 10YR 5/6	SiClLo SaSiLo	—
D13.117	0-29 25-35	10YR 3/3 10YR 5/6	SiCl Lo Sa Si Lo	NCM
D13.120	0-27 27-37	10YR 3/3 10YR 5/6	SiCl Lo SaSi Lo	NCM NCM
D13.123	0-30 cm 30-40	10YR 3/3 10YR 5/7	SiCl Lo Sa Si Lo	NCM
D13.126	0-29cm 29-42	10YR 3/4 10YR 5/5	SiClLo SaSiLo	—
D13.129	0-30 30-48	10YR 3/3 10YR 5/6	Si Cl Lo Sa Si Lo	NCM
D13.132	0-22cm 22-38	10YR 3/3 10YR 5/6	SiClLo SiLo	—
D13.135	0-30cm 30-40 cm	10YR 3/3 10YR 5/7	Si clay loam Si Clay loam	NCM
D13.138	0-32cm 32-49	10YR 3/3 10YR 5/6	SiClLo SaSiLo	—

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB

Date: 8·27-13

Location/Setting: access Rd T 26

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D13.104	0·30 30·40	10yr 3/3 10yr 5/4	SiLo SiCL	NCM
D13.107	0·30 30·40	Same	Same	NCM
D13.110	0 30 30·40	Same	Same	NCM
D13.113	0-28 28.38	Same	Same	NCM
D13.116	0-21cm 21-33 33-47	10YR 3/3 10YR ~~3/4~~ 5/5 10YR 6/3	SiCLo SiSaLo SiSa	—
D13.119	0·28 28·38	10yr 3/3 7.5yr 4/4	SiLo SiLO	NCM
D13.122	0·26 26·36	Same	Same	NCM
D.13.125	0-21cm 21-34	10YR 3/3 10YR 5/5	SiCLo SiSa	—
D13.128	0·22 22-32	Same	Same	NCM
D13.131	0·23 23·33	Same	Same	NCM
D13.134	0·25 25·35	Same	Same	NCM
D13.137	0-26 26·36	Same	Same	NCM

draw a line to separate shovel tests

gical Survey Field Record Sheet

r Project #: 12012 Excavator(s): NICK DALLER

Project Name: Copenhagen Wind Farm Phase IB Date: 8/27/13

Location/Setting:
D13 ACCESS ROAD NEXT TO T26

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D13.121	0-22	10YR 3/3	SiClLo	NCM
	22-33	10YR 5/4	SiSaLo	NCM
D13.124	0-23	10YR 3/3	SiCLo	NCM
	23-35	10YR 5/4	SiSALo	NCM
D13.127	0-35	10YR 3/3	SiClLo	NCM
	35-45	10YR 4/3	SiSALo	NCM
D13.130	0-42cm	10YR 3/3	siclLo	NCM
	42-61	10YR 6/3	sisacl	NCM
	ROCK IMPASSE	N/A	N/A	—
D13.133	0-24cm	10YR 3/3	siclLo	—
	24-40	10YR 5/6	SasiLo	
D13.136	0-25	10YR 3/3	SiClLo	—
	25-34	10YR ~~6/3~~ 5/6	SaSiLo	

draw a line to separate shovel tests

ieological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Colin Ely

Date: 8/28

Location/Setting:

D13 Access road next to T26

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D13.140	0-37cm 37-51	10YR 3/3 10YR 6/4	SiClLo SiLo	1 nail/staple, ferrous
D13.143	0-23 23-33	10YR 3/3 10YR 6/4	Si Lo Si Cl Lo	NCM NCM
D13.146	0-22 22-33	10YR 3/3 10YR 6/4	Si Lo Si Cl Lo	NCM NCM
D13.149	0-27 27-40	10YR 3/3 10YR 6/4	SiLo SiCl Lo	NCM NCM
D13.152	0-13 13-28	10YR 3/3 10YR 6/4	Si Lo Si Cl Lo	NCM NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Nick Daller

Date: 8/28/13

Location/Setting:

D13 Access Road Next to T26

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D13.139	0-39 39-48	10YR 3/3 10YR 6/3	SiLo SiSaLo	NCM NCM
D13.142	0-29 29-41	10YR 3/3 10YR 6/6	SiLO SiSaLo	NCM NLM
D13.145	0-37 37-48	10YR 3/3 10YR 6/6	SiLO SiSaLO	2 Pieces FLAT GLASS NCM
D13.148	0-37cm 37-51	10YR 4/3 10YR 4/6	SiCLo SaSiLo	—
D13.151	0-36 36-47	10YR 4/3 10YR 4/6	SiCLO SaSiLO	NCM NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES

Date: 8-28-13

Location/Setting: Access road near Turbine 276 D13

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D13.141	0-20cm 20-30 30-40	10YR 3/3 10YR 3/4 10YR 5/6	Si Cl Lo Si Cl Lo Sa Cl Lo	2 MSC. Ferrous objects in A/B horizon
D13.144	0-25cm 25-35 35-45	10YR 3/3 10YR 5/6 10YR 7/3	Si Cl Lo Si Lo Sa Si	—
D13.147	0-20 20-30 30-40	10YR 3/3 10YR 3/3 mottled w/ 10YR 3/1 10YR 5/6 mottled w/ 10YR 2/1	Si Cl Lo Si clay Lo Sa Si	NCM
D13.150	0-30 30-40	10YR 3/3 10YR 5/6	Si Cl Lo Sa Si	NCM
D13.153 EOT	0-35cm 35-52	10YR 4/3 10YR 5/6	Si Cl Lo Sa Si Lo	—

draw a line to separate shovel tests

ological Survey Field Record Sheet

edr

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 9-24-13

Location/Setting: T-10 Pad site in woods Topography- hummocky

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D14.01	0-10 10-34 34-50	10yr 3/2 10yr 5/3 10yr 5/6	Si Si Si	Ncm No gravel
D14.02	0-35 35-48	10yr 2/2 10yr 7/6	CL Si Si	Ncm
D14.03	0-15 15-21 21-43	10yr 2/1 10yr 2/2 10yr 6/6	CL Si ~~CL~~ Si Si	Ncm 3% bark chips 2 small cobbles 10% gravel
D14.04	0-35 35-46	10yr 3/2 10yr 6/6	CL Si Si	Ncm offset due to tree 30% gravel
D14.05	0-33 33-47	Same	Same	Ncm No gravel
D14.06	0-23 23-33	10yr 4/2 10yr 5/6	Si Si	Ncm large roots <1% gravel
D14.07	0-28	10yr 2/2	~~SiLo~~ SiLo	blocked by large roots Ncm next to prob. the oldest tree in woods - huge base no gravel
EOT				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Colin Ely E/S

Date: 9/26

Location/Setting: D14 Turbine 10 In the woods behind the corn

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D14.08	0-44 44-54	10YR 3/2 10YR 6/6	SiLo SiLo	NCM
D14.09	0-41 41-51	10YR 3/2 10YR 6/6	SiLo SiLo	NCM
D14.10	0-32 32-42 42-52	10YR 3/2 10YR 6/6 10YR 7/2	SiLo SiLo SiLo	NCM
D14.11	0-65	10YR 3/4	SiLo	NCM
D14.12	0-36 36-46	10YR 3/2 10YR 4/4	SiLo SiLo	NCM
D14.13	0-22 22-32	10YR 3/2 10YR 4/4	SiLo SiLo	NCM
D14.14	0-42 42-52	10YR 3/2 10YR 6/6	SiLo SiLo	NCM
D14.43	0-44 44-54	10YR 3/2 10YR 4/4	SiLo SiLo	NCM
D14.44	0-20 20-30 30-40	10YR 2/1 10YR 4/4 10YR 5/7	SiLo SiLo SiLo	NCM
D14.45	0-20 20-30	10YR 3/2 10YR 4/6	SiLo SiLo	NCM
D14.46	0-20 20-35	10YR 2/1 10YR 5/7	SiLo SiLo	NCM NCM
D14.47	0-22 22-32	10YR 2/1 10YR 5/7	SiLo SiLo	NCM
D14.48	0-15 15-25	10YR 2/1 7.5YR 5/8	SiLo SiLo	NCM Rejected by rocks
49	0-29 29-39	10YR 2/1 10YR 4/4	SiLo SiLo	NCM

draw a line to separate shovel tests

713 4694 x 40 383D36327

Archeological Survey Field Record Sheet

edr

edr Project #: 12012 Excavator(s): ES

Project Name: Copenhagen Wind Farm Phase IB Date: 9-26-13

Location/Setting: D14 T-10

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D14.15	0-20 20-35	10YR 2/1 10YR 5/4	Si Lo Si Lo	None None
D14.16	0-10 10-30 30-40	10YR 2/1 10YR 4/4 5Y 5/2	Si Lo Si Lo Si Lo	None
D14.17	0-15 15-25 25-35	10YR 2/1 10YR 5/5 10YR 5/7	Si Lo Si Lo Si Lo	None None
D14.18	0-10 10-25 25-35	10YR 2/1 10YR 5/5 10YR 5/7	Si Lo Si Lo Si Lo	None None
D14.19	0-30 30-40	10YR 4/4 10YR 5/7	Si Lo Si Lo	None None
D14.20	0-15 15-25 25-35	10YR 2/1 10YR 4/4 10YR 5/7	Si Lo Si Lo Si Lo	None None None
D14.21	0-15 15-25 25-35	10YR 2/1 10YR 4/4 10YR 5/7	Si Lo Si Lo Si Lo	None None None

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DT

Date: 9/26/13

Location/Setting: Turbine 10 Location

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
~~A10.~~ D14.22	0-30 30-40	10 YR 2/1 10 YR 5/6	Silt Loam Sandy silt	NCM
D14.23	0-30 30-35 35-45	10 YR 2/1 10 YR 4/4 10 YR 6/4	silt loam silt loam Sandy silt.	NCM
D14.24	0-25 25-35	10 YR 2/1 10 YR 6/8	silt loam Sandy silt	NCM
D14.25	0-28 28-38	10 YR 2/1 10 YR 6/4	silt loam Sandy silt	NCM
D14.26	0-27 27-37	10 YR 2/1 10 YR 6/4	Silt loam Sandy silt	NCM
D14.27	0-28 28-38	10 YR 2/1 10 YR 6/4	Silt loam Sandy silt	NCM
D14.28	0-10 10-25 25-35	10 YR 2/1 10 YR 4/4,6/4 10 YR 6/4	silt loam compact Sandy silt mottled, compact Sandy silt	located on two-track road

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 9-24-13

Location/Setting: T10 pad site in hummocky woods

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D14.29	0-34 34-46	10yr 2/2 10yr 7/6	CL Si Si	NCM No gravel
D14.30	0-36 36-46	10yr 3/3 10yr 6/6	CL Si Si	NCM No gravel
D14.31	0-36 36-46	10yr 4/2 ~~Same~~ 10yr 6/2	SiLo SiLo	NCM No gravel
D14.32	0-36 36-46	10yr 3/3 10yr 7/6	CLSi Si	NCM No gravel
D14.33	0-28 28-38	Same	Same	NCM No gravel
D14.34	0-28 28-38	Same	Same	NCM No gravel
D14.35	0-26 26-36	Same	Same	NCM Lots of roots. In an old Road bed. < 1% gravel
EOT				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DT

Project Name: Copenhagen Wind Farm Phase IB Date: 9/26/13

Location/Setting:

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D14.36	0-25 25-35	10 YR 2/1 10 YR 6/4	Silt loam Sandy silt	NCM
D14.37	0-25 25-35	10YR 2/1 10YR 5/7	Si Lo Si Lo	NCM
D14.38	0-27 27-37	10 YR 2/1 10 YR 6/4	Si Lo ~~Sa Lo~~ Sandy silt	Roots
D14.39	0-10 10-30 30-40	10 YR 2/1 10 YR ~~4/4~~, 6/4 10 YR 6/8	Si Lo Si Lo mottled Sandy silt	NCM
D14.40	0-25 25-35	10 YR 2/1 10 YR 6/4	Si Lo ~~Sa Lo~~ Sandy Silt	NCM
D14.41	0-10 10-21 21-37	10 YR 2/1 10 YR 4/4 ~~10~~ 5 YR 5/6	Si Lo Compact ~~Sandy~~ silty loam Sandy silt	NCM - Located on two track road
D14.42	0-16 16-27 27-35	10YR 2/1 10YR 4/4 10YR 5/7	Si Lo Si Lo Sa Si	Stopped by Roots NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB CE

Date: 9.24.13

Location/Setting: Inter connect line open Field

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D15.01	0-20 20-33	10yr 4/4 10yr 5/6	SaLo SiLo	NCM 1% gravel
D15.03	0-23 23-33	10YR 4/4 10YR 5/6	Sandy Loam Silty Loam	NCM
D15.05	0-23 23-33	10yr 4/3 7.5yr 4/6	SaLo SiLo	NCM 1% gravel
D15.07	0-25 25-31	10YR 4/4 10YR 5/6	Sandy Lo SiLo	BR @ 31
D15.9	0-28 28-30	Same	SaLo SiLo	NCM bedrock @ 30cm bs
D15.11	0-25 25-35	Same 10YR 5/4 w/Rock	SaLo SiLo w Gravel	Gravel Layer @ 25 cm
D15.13	0-5	10yr 3/3	SaLo / Large gravel Compact	NCM Very large gravel packed on top of Solid base.
D15.15	0-28	10yr 3/3	SaLo / Large gravel Compact	bedrock @ 28 cmbs
D15.17	0-30	10YR 3/3	SaLo	BR @ 30 NCM
D15.19	0-35 35-45	10yr 3/2 10yr 6/2	SaLo SiLo	NCM
D15.21	0-33 33-52	10YR 3/2 10YR 6/8, 7.5YR 5/6	SaLo SiLo Si Loam	NCM
D.15 23	0-30 30-40	10yr 3/2 10yr 5/6	SaLo SiLo	NCM
D15.25	0-27 27-37	10YR 3/2 10YR 5/6	same	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DT, ES, TAK

Project Name: Copenhagen Wind Farm Phase IB Date: 9/26/13

Location/Setting: Buried Interconnect for turbine string

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D15.02	0-15 15-30	10 YR 4/4 10 YR 6/8	Silty Loam Sandy Silt	NCM
D15.04	0-15 15-30	10YR 4/4 10YR 6/8	Si Lo Sa Si	NCM
D15.06	0-20 20-22	10 YR 4/4 10 YR 6/8	Si Lo Sa Si	NCM bedrock (or cobble) @ 22cmbs
D15.08	0-18	10YR 3/3	Si Lo	NCM Bedrock/cobble @ 18
D15.10	0-15	10 YR 4/4	Si Lo	NCM compact, angular gravels @ 15cmbs
D15.12	0-20	10YR 3/3	Si Lo w/cobbles	NCM compact cobbles
D15.16	0-28 28-38	10 YR 4/4 10 YR 6/8	Si Lo compact, angular cobbles Sandy Silt	NCM
D15.14	0-15	10YR 4/4	Si Lo w/cobbles	NCM stopped by Rock
D15.18	0-29 29-37	10YR 4/4 10YR 6/8	Si L Si Cl	MCM MCM
D15.20	0-15 15-30	10 YR 4/4 10YR 6/8	Si L Si Cl	MCM MCM
D15.22	0-30 30-40	10 YR 4/4 10 YR 6/8	Si Lo Silt	NCM
D15.24	0-30 30-40	10YR 4/4 10YR 6/8	Si Lo Si	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DT, ES, TAK

Date: 9-26-13

Location/Setting: Buried interconnect for Turbine String D15

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D15.26	0-22 22-32	10 YR 4/4 10 YR 6/8	Si Lo Silt	NCM
D15.28	0-25 25-35	10YR 4/4 10YR 5/7	Si Lo Silt	NCM
D15.30	0-20 20-30	10YR 4/4 10YR 5/7	Si Lo Silt	NCM
D15.32	0-18 18-28	10 YR 4/4 10 YR 5/7	Si Lo Silt	NCM
D15.34	0-25 25-35	10YR 4/4 10YR 6/8	Si Lo Silt	NCM
D15.36	0-30 30-40	10 YR 4/4 10 YR 6/8	Si Lo Silt	NCM
D15.38	0-30 30-40	10 YR 4/4 10 YR 6/8	Si Lo Silt	NCM
D15.40	0-30 30-35	10YR 4/4 10YR 6/8	Si Lo Silt	Reject NCM Big Cobbles
D15.42	0-15 15-25	10 YR 4/4 10 YR 6/8	Si Lo Silt	NCM
D15.44	0-20 20-30	10YR 4/4 10YR 6/8	Si Lo Silt	NCM
D15.46	0-30 30-40	10 YR 4/4 10 YR 6/8	Si Lo Si Lo	NCM
D15.48	0-20 20-30	10YR 4/4 10YR 6/8	Si Lo Silt	NCM
D15.50	0-18 18-28	10 YR 4/4 10 YR 6/8	Si Lo Silt	NCM
D15.52	0-20 20-30	10YR 4/4 10YR 6/8	Si Lo Silt	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012
Project Name: Copenhagen Wind Farm Phase IB
Excavator(s): DB CE
Date: 9/24/13

Location/Setting: Interconnect Line Open Field

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
DIS. 27	0-31 31-41	10yr 3/3 10yr 7/6	SaLo SiLo	NCM
DIS. 29	0-30 30-40	10YR 3/3 10YR 7/6	SaLo SiLo	NCM
DIS. 31	0-30 30-40	Same	Same	NCM
DIS. 33	0-29 29-39	Same	Same	NCM
DIS. 35	0-28 28-38	Same	Same	NCM
DIS. 37	0-28 28-38	Same	Same	NCM
DIS. 39	0-25 25-35	Same	Same	NCM
DIS. 41	0-37 37-47	Same	Same	NCM
DIS. 43	0-27 27-37	10YR 3/3 10YR 7/6 + 7.5YR 5/6	Same SiLo	~~[illegible]~~
DIS. 45	0-27 27-37	10yr 3/3 10yr 7/6	SALo SiLo	NCM
DIS. 47	0-31 31-41	Same	Same	NCM
DIS. 49	0-26	10yr 3/3	SALo	NCM bedrock
DIS. 51	0-30 30-40	10YR 3/3 10YR 7/6	SaLo SaLo	NCM
DIS. 53	0-26 26-36	Same	Same	NCM
DIS. 55	0-31 Bedrock	Same	Same	NCM BR @ 31

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DT, ES

Date: 9-26-13

Location/Setting: Buried interconnect for turbine string D15

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D15.54	0-25 25-35	10 YR 4/4 10 YR 6/8	Si Lo Silt	NCM
D15.56	0-35 35-45	10YR 4/4 10YR 6/8	Si Lo Sa Si	NCM
D15.58	0-30 30-40	10 YR 4/4 10 YR 6/8	Si Lo Sandy Silt	NCM
D15.60	0-20 20-30	10YR 4/4 10YR 5/8	Si Lo Sa Si	NCM
D15.62	0-25 25-35	10YR 4/4 10 YR 5/8	Si Lo Silt	NCM
D15.64	0-28 28-38	10 YR 4/4 10 YR 5/8	Si Lo Sa Si	NCM
D15.66	0-27 27-34	10YR 4/4 10YR 5/8	Si Lo Sa Si	NCM NCM
D15.68	0-30 30	10 YR 4/4 —	Si Lo Bedrock	NCM
D15.70	0-30 30	10YR 4/4 —	Si Lo Bedrock	NCM
D15.72	0-30 30	10 YR 4/4 —	Si Lo Bedrock	NCM
D15.74	0-30 30	10YR 4/4 —	Si Lo Bed ROCK	NCM
D15.76	0-28 28-38	10 YR 4/4 10 YR 5/8	Si Lo Silt	NCM
D15.78	0-30 30-40	10YR 4/4 10YR 5/8	Si Lo Silt	NCM
D15.80	0-25 25-28	10 YR 4/4 10 YR 5/8	Si Lo Silt	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DB CE

Project Name: Copenhagen Wind Farm Phase IB Date: 9-24-13

Location/Setting: Interconnect

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D15.57	0-26 26-36	10yr 3/3 10yr 5/6	SaLo SiLo	NCM
D15.59	0-27 27-37	10YR 3/3 10YR 5/6	SaLo SiLo	NCM
D15.61	0-26	10yr 3/3	SaLo	NCM bedrock
D15.63	0-26 26-36	10yr 3/2 10yr 5/8	SaLo SiLo	NCM
D15.65	0-28 28-38	10YR 3/2 10YR 5/8	Same	NCM
D15.67	0-24 24-34	Same	Same	NCM
D15 69	0-27 27-37	Same	Same	NCM
D15.71	0-23 23-33	Same	Same	NCM
D15.73	0-30 30-40	Same	Same	NCM
D15.75	0-28 28-37	SAME	SAME	NCM
D15.77	0-25	10YR 3/2	SaLo	NCM REFUSAL @ BEDROCK
D15.79	0-26 26-36	10YR 3/2 10YR 4/4	SaLo SaLo	NCM
D15.81	0-23 23-33	Same	Same	NCM
D15.83	0-23 23-33	Same	Same	NCM
D15.85	0-23 23-33	10YR 4/3 10YR 6/4	Same	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DT, ES

Date: 9/26/13

Location/Setting: Buried interconnect for turbine string D15

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D15.82	0 - 20 20 - 38	10YR 4/4 10YR 6/8	Silo Silt	Ncm
D15.84	0-20 20-25 25	10 YR 4/4 10 YR 6/8 –	Si Lo silt bedrock	Ncm
D15.86	0-15 15-30	10YR 4/4 10YR 6/8	Si Lo Silt	Ncm
D15.88	0-27 27-37	10 YR 4/4 10 YR 6/8	Si Lo Silt	Ncm
D15.90	0-25 25-35	10 YR 4/4 10 YR 6/8	Si Lo Silt	Ncm
D15.92	0-20 20-36	10 YR 4/4 10 YR 6/8	Si Lo Silt	Ncm
D15.94	0-30 30	10 YR 4/4 —	Si Lo Bedrock	NCM
D15.96	0-20 20-30	10YR 4/4 10YR 6/8	silo Silo	Ncm
D15.98	0-18 18	10 YR 4/4 –	Si Lo Bedrock	Ncm
D15.100	0-20 20-22 22	10 YR 4/4 10 YR 6/8 –	Si Lo silt bedrock	Ncm

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Colin Ely DB

Date: 8/24/13

Location/Setting: D15 Buried Interconnect

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D15.87	0-27 27-37	10YR 4/3 10YR 5/2	Sa Lo Sa Lo	NCM
D15.89	0-23 23-33	10yr 4/3 10yr 4/6	Salo SiLo	NC
D15.91	0-15 15-30	10yr 4/2 10yr 5/6	Salo SiLo	NC
D15.93	0-23 23-33	10YR 4/2 10YR 5/6	Sa Lo Si Lo	NCM
D15.95	0-17 17-27	Same	Same	NC
D15.97	0-29 29-39	same	same	NCM
D15.99	0-31 31-41	Same	Same	NC
EOT				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 9-25-13

Location/Setting: T9 an area w a lot of Field rock piles + push piles

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D16. 01	0-21 21-26	10yr 4/2 10yr 5/6	SiLo SiLo	NCM bedrock 26cm at edge of corn field
D16. 02	0-33 33-35	10yr 3/2 10yr 5/4	SiLo SiLo	NCM Rock @ 35cm
D16. 03	0-15	10yr 3/2	SiLo	NCM bedrock @ 15cmbs
D16. 04	0-5	10yr 3/2	SiLo	NCM bedrock @ 5cm Broken Limestone on top of bedrock
D16. 05	0-7	10yr 3/2	SiLo	NCM Same
D16. 06	0-28	10yr 3/2	SiLo	NCM Bedrock @ 28
D16. 07	0-28	10yr 3/1	CLLo	NCM Bedrock @ 28cm
EOT				

draw a line to separate shovel tests

Field Record Sheet

2012 | Excavator(s): ES

Copenhagen Wind Farm Phase IB | Date: 9-27-2013

Setting: D16 T-9

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D16.08	0-10cm	10YR 3/4	Si Lo	New Cobbles
D16.09	0-10 10-20 20-25	10YR 2/1 10YR 3/4 10YR 6/8	Si Lo Si Lo Si Lo	New New cobbles
D16.10	0-15 15-20	10YR 3/4 10YR 4/8	Si Lo Si Lo	Rejected by New Cobbles
D16.11	0-10	10YR 3/3	Si Lo	Rejected by Cobbles
D16.12	0-15	10YR 2/1	Si Lo	New Rejected by Cobbles
D16.13	0-15cm	10YR 3/4	Si Lo	New Rejected by cobbles
D16.14	0-15cm	10YR 3/4	Si Lo	New Rejected by cobbles
D16.43	0-20 20-30	10YR 3/4 10YR 4/6	Si Lo Si Lo	New
D16.44	0-10 10-30	10YR 4/4 10YR 6/4	Si Lo Silt	New
D16.45	0-24 24-34	10YR 4/4 10YR 6/4	Silt Sa Si	NCM
D16.46	0-15 15-30	10YR 4/4 10YR 6/4	Silt Silt Sand	New
D16.47	0-30 35-46	10YR 4/4 10YR 6/4	Silt silty sand	NCM
D16.48	0-20	10YR 3/4	Silt	New Rejected by Rock
D16.49	0-24	10YR 3/4	Silt	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Colin Ely

Date: 9/27/13

Location/Setting: D16 Turbine 9

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D16. [redacted] 15	0-10 10-15 BR	10YR 3/2 10YR 4/4	Sa Lo Si Lo	NCM
D16. [redacted] 16	0-8 8-18	10YR 3/2 10YR 4/2	Sa Lo Si Lo w cobbles	NCM
D16. 17	0-14 1 [redacted]	10YR 3/2	Sa Lo [redacted]	NCM solid rock @ 14
D16. 18	0-26	10YR 3/2	Sa Lo	NCM solid rock @ 26
D16. 19	0-24	10YR 3/2	Sa Lo	NCM solid rock @ 24
D16. 20	0-[redacted]14	10YR 3/2	Sa Lo	NCM solid rock @ 14
D16. 21	0-30	10YR 3/2	Sa Lo	NCM solid rock @ 30

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DT

Date: 9/27/13

Location/Setting: D16 Turbine 9 Location

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D16.22	0-15 15-27	10 YR 2/1 10 YR 5/6	SiLo Clay loam	NCM Lg. cobbles @ 27cmbs angular
D16.23	0-18 18-20 20	10 YR 2/1 10 YR 5/6 —	SiLo clay loam angular cobbles compact	NCM
D16.24	0-20 20	10 YR 2/1 —	Si Lo V.lg. cobble	NCM
D16.25	0-15 15	10 YR 2/1 —	SiLo v. lg angular cobbles	NCM
D16.26	0-14 14	10 YR 2/1 —	Si Lo V. Lg. angular cobbles	NCM
D16.27	0-18 18	10 YR 2/2 —	Si Lo V.Lg angular cobbles	NCM
D16.28	0-30 30-35 35	10 YR 2/2 10 YR 5/6 —	SiLo clay loam v. Lg angular cobble	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB

Date: 9-25-13

Location/Setting: T9

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D16.29	0-24	10yr 3/2	SiLo	NCM bedrock @ 24cm
D16.30	0-33	10yr 3/2	SiLo	NCM bedrock @ 33cm
D16.31	0-20 20-33	10YR 3/2 10YR 5/4	SiLo SiLo	NCM cobbles
D16.32	0-33	10yr 3/2	SiLo	NCM bedrock or Cobbles
D16.33	0-24	10yr 3/2	SiLo	NCM ↓ Same
D16.34	0-28	10yr 3/1	SiLo	NCM ↓ Same
D16.35	0-28	10yr 3/1	SiLo	NCM ↓ Same
EOT				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s):

Date:

Location/Setting:

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D16.36	0-10 10	10YR 2/1 —	Si Lo compact angular gravel	NCM
D16.37	0-27 27-37	10YR 4/4 10YR 5/2	Si Lo Si Lo	NCM
D16.38	0-5 5-20	10 YR 4/4 10 YR 6/4	Si Lo Silt	NCM
D16.39	0-18 18-28	10 YR 4/4 10 YR 6/4	Si Lo silt	NCM
D16.40	0-20 20-30	10 YR 4/4 10 YR 6/4	Si Lo silt	NCM
D16.41	0-22 22-32	10 YR 4/4 10 YR 6/4	Si Lo silt	NCM
D16.42	0-27	10YR 4/4	Si Lo	NCM - REFUSAL @ BEDROCK/ REGOLITH

draw a line to separate shovel tests

ield Record Sheet

12012 | Excavator(s): ES

Copenhagen Wind Farm Phase IB | Date: 10-1-13

ng: D17 Access Rd Between T-~~5/6~~ and T-5

el Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D17.02	0-30	10YR 5/4	Si Sa	~~[illegible]~~ Neu lg cobbles
D17.05	0-30 30-34	10YR 5/4 10YR 5/6	Si Lo Si Sa	Neu
D17.08	0-50 50-60	10YR 4/4 10YR 5/4	Si Lo ~~Si~~ Si	compact w/cobbles NCM
D17.11	0-40 40-50	10YR 3/3 10YR 5/4 + 8/3	Si Lo Si Sa	Neu
D17.14	0-27 27-37	10YR 4/4 10YR 6/6	SiLo SiCl Lo	NCM
D17.17	0-25 25-35	10YR 4/4 10YR 6/6	Si Lo Si Cl Lo	Neu
D17.20	0-28 28-38	10YR 4/4 10YR 6/6	Si Lo Si Cl Lo	NCM
D17.23	0-27 27-34	10YR 4/4 10YR 5/7	Si Lo Si Cl Lo	Neu Bedrock @ 34
D17.26	0-25 25-28	10YR 4/4 10YR 5/7	Si Lo Si Cl Lo	Neu Bedrock @ 28
D17.29	0-29 29-34	10YR 4/4 10YR 5/7	Si Lo Si Sa	NCM BEDROCK @ 34

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 10-1-13

Location/Setting: access Rd T 50 + T5

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D17.01	0-17 17-27	10yr 4/3 10yr 4/4	SaLo SaLo	NCM 60% unsorted gravel
D17.04	0-32 32-42	10yr 5/2 10yr 5/4	SaSi SaSi	NCM 5% gravel
D17.07	0-36 36-46	Same	Same	NCM
D17.10	0-27 27-37	10yr 3/3 10yr 4/6	CLLo SiLo	NCM 1 small window glass frag (not kept)
D17.13	0-26 26-36	10yr 3/3 10yr 6/6	SiLo SiLo	NCM
D17.16	0-17 17-25	10yr 4/3 10yr 6/6	SALo SALo	NCM Bedrock @ 25cm
D17.19	0-27	10yr 4/3	SaLo	NCM Bedrock @ 27
D17.22	0-30	Same	Same	NCM Bedrock @ 30
D17.25	0-27	Same	Same	NCM Bedrock 27
D17.28	0-26	Same	Same	NCM BR @ 26
D17.31	0-36	Same	Same	NCM BR @ 36
D17.34	0-34 34-38	10yr 4/3 10yr 6/2	SALo SiSA	NCM BR @ 38
D17.37	0-30 30-33	10yr 4/3 10yr 5/4	SaLo SaLo	NCM BR @ 33
D17.40	0-30 30-39	10yr 4/3 10yr 6/2, 5/6	SiLo SaLo	NCM BR @ 39
D17.43	0-34 34-42	Same	Same	NCM BR. 42

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DT

Project Name: Copenhagen Wind Date: 10/1/13

Location/Setting: Access Rd to T50 + T5

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D17.03	0-28 28	10 YR 4/4 —	Si Lo cobbles	NCM compact layer of cobbles
D17.06	0-36 36-46	10YR 3/4 10YR 5/5	Si Lo Si Cl Lo	NCM
D17.09	0-28	10YR 3/4	Si Lo	NCM Large compact cobble layer @ 28cm
D17.12	0-30 30-33 33	10 YR 4/4 10 YR 5/4 —	Si Lo cobbles Si Lo Bedrock	NCM
~~[illegible]~~	~~[illegible]~~	~~10YR 4/4~~ ~~10YR 6/6~~	~~[illegible]~~	~~[illegible]~~
D17.15	0-33 33-43	10 YR 4/4 10 YR 6/6	Si Lo cobbles Si Lo	NCM
D17.18	0-28 28-38	10YR 4/4 10YR 6/6	Si Lo cobbles Si Lo	NCM
D17.21	0-27 27 37	10 YR 4/4 10YR 6/6, 4/1 mottled	Si Lo cobbles Si Lo	NCM
D17.24	0-31 31-40	10 YR 4/4 10 YR 5/6	Si Lo cobbles Si Lo	NCM
D17.27	0-38 38-48	10YR 4/4 10YR 6/3	Si Lo Cobbles Si Lo	NCM
D17.30	0-25 025-35	10 YR 4/4 10 YR 5/6	Si Lo cobbles Si Lo	NCM
D17.33	0-28 28-38	10 YR 4/4 10 YR 6/6	Si Lo cobbles Si Lo	NCM

draw a line to separate shovel tests

ical Survey Field Record Sheet

ect #: 09079

t Name: Loveless Farms

Excavator(s): ES

Date: 10-1-13

tion/Setting: D17 Access Rd between T5 + T6

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D17.32	0-25 25-35	10YR 4/4 10YR 5/6	Si Lo Si Sa	None
D17.35	0-31 32-37	10YR 4/4 10YR 5/6	Si Lo Si Sa	NCM NCM
D17.38	0-30 30-40	10YR 4/4 10YR 5/6 + 4/2	Si Lo Si Sa	None
D17.41	0-32 32-42	10YR 4/4 10YR 5/6 + 4/2	Si Lo Si Sa	NCM
D17.44	0-30 30-40	10YR 4/4 10YR 5/6 + 4/2	Si Lo Si Sa	None
D17.47	0-30 30-40	10YR 4/4 10YR 5/4	Si Lo Si Sa	None
D17.50	0-29 29-39	10YR 4/4 10YR 5/4	Si Lo Si Sa	NCM
D17.53	0-25 -	10YR 4/4	Si Lo	None Bedrock @ 25
D17.56	0-22 -	10YR 4/4	Si Lo	NCM BR @22
D17.59	0-25 25-27 -	10YR 4/4 10YR 4/4 + 5/6	Si Lo	None BR @ 27
D17.62	0-15 -	10YR 4/4	Si Lo	None BR @ 15

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: ~~[illegible]~~ 12012 Excavator(s): DT CE

Project Name: Loveless Farms Copenhagen Wind Phase 1B Date: 10/1/13

Location/Setting: Access rd to T5 + T6

Shovel Test	Depth cmBS	Soil Color	Soil Texture	Artifacts/Comments
D17.36	0-33 33-43	10YR 4/4 10YR 6/2	Si Lo Si Lo	NCM
D17.39	0-30 30-40	10 YR 4/4 10 YR 7/2, 6/6	Si Lo Si Lo mottled	NCM
D17.42	0-31 31-41	10 YR 4/4 10 YR 5/6	Si Lo Si Lo	NCM
D17.45	0-29 29-39	10YR 4/4 10YR 5/6	Si Lo Si Lo	NCM
D17.48	0-27 27-37	10 YR 4/4 10 YR 5/6	Si Lo Si Lo	NCM
D17.51	0-31 31-34	10 YR 4/4 10YR 4/4	Si Lo Si Sa	NCM NCM
D17.54	0-30 3-40	10 YR 4/4 10YR 6/4	Si Lo Si Sa	NCM
D17.57	0-25 25-35	10 YR 4/4 10 YR 5/6	Si Lo Si Sa	NCM
D17.60	0-29 29-39	10YR 4/4 10YR 5/6	Si Lo Si Sa	NCM
D17.63	0-33 33-35	10 YR 4/4 10 YR 5/6	Si Lo Si Sa	NCM Bedrock @ 35
D17.66	0-27 27-37	10YR 4/4 10YR 5/6	Si Lo Si Sa	NCM
D17.69	0-18 18-28	10 YR 4/4 10 YR 5/6	Si Lo Si Sa	NCM
D17.72	0-28 28-38	10YR 4/4 10YR 6/4	Si Lo Si Sa	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 10-1-13

Location/Setting: access Rd T50 - T5

Shovel Test	Depth CMBS	Soil Color	Soil Texture	Artifacts/Comments
D17. 46	0-29 29-39	10YR 4/3 10YR 5/4	SiLo S, SiL	NCM NCM
D17.49	0-23 23-33	Same	same	NCM
D17.52	0-23	Same	Same	NCM Bedrock 23cm
D17.55	0-29	10YR 4/3	SiLo	NCM BEDROCK @ 29 CMBS
D17.58	0-5	Same	Same	NCM BR. 5cm
D17.61	0-21	Same	Same	NCM BR 21cm
D17.64	0-21	Same	Same	NCM BR 21cm
D17.67	0-26 26-29	10yr 4/3 10yr 5/6	SiLo SiLo	NCM BR @ 29
D17.70	0-27 27-37	Same	Same	NCM
D17.73	0-24 24-34	10YR 4/3 10YR 5/6	Same	NCM
D17.76	0-24 24-34	Same	Same	NCM
D17.79	0-27	10yr 4/3	Same	NCM Bedrock 27
D17.82	0-27	10yr 4/3	Same	NCM BR@27
D17.85	0-27	Same	Same	NCM BR@27
D17.88	0-27	Same	Same	NCM BR@ 27
D17.91	0-21	Same	Same	NCM BR @ 21
D17.94	0-28	Same	Same	NCM BR@28

draw a line to separate shovel tests

urvey Field Record Sheet

12114 — Great Bay Wind Farm Phase IB

Excavator(s): BS

Date: 10-1-15

ting: D17 Access Road Between T-5 and T-6

hovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D17.65	0 - 25	10YR 4/4	Si Lo	NCM Bdrock @ 25
D17.68	0-24 24-28	10YR 4/4 10YR 5/6	Si Lo Si Cl Lo	NCM
D17.71	0 - 15	10YR 4/4	Si Lo	NCM Bedrock @ 15
D17.74	0-14	10YR 4/4	Si Lo cobbles	NCM BR@14
D17.77	0-15 15-25	10YR 4/4 10YR 5/6	Si Lo cobbles Si Lo	NCM
D17.80	0-15	10YR 4/4	Si Lo cobbles	NCM lg cobble
D17.83	0-20	10YR 4/4	Si Lo cobbles	NCM Lg. cobble
D17.86	0-25	10YR 4/4	Si Lo Cobbles	NCM lg Cobble @ 25
D17.89	0 - 28	10YR 4/4	Si Lo	NCM · DENSE COBBLES/ BOULDERS @ 26CMBS
D17.92	0 - 28 28 - 36	10YR 4/4 10YR 5/6	Si Lo Si Sa	NCM · DENSE COBBLES NCM
D17.95	0 - 20 20 - 30	10YR 4/4 10YR 5/6	Si Lo Si Sa	NCM
D17.98	0 - 20 20 - 30	10YR 4/4 10YR 5/6	Si Lo Si Sa	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DT, CE

Project Name: Copenhagen Wind Farm Phase IB Date: 10/1/13

Location/Setting: Access rd to T5 & T6

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D17.75	0-27 27-37	10YR 4/4 10YR 5/6	SiLo SiSa	NCM
D17.78	0-30	10YR 4/4	SiLo many cobbles/gravels	NCM Bedrock @ 30cm
D17.81	0-28 28-38	10YR 4/4 10YR 4/6	SiLo ungodly number of cobbles● Cl Lo	NCM
D17.84	0-25	10YR 4/4	SiLo very compact cobbles	NCM
D17.87	~~[illegible]~~ 0-35	10YR 4/4	SiLo very compact cobbles	NCM
D17.90	0-19	10YR 4/4	SiLo v. compact cobbles	NCM
D17.43	0-15 ~~[illegible]~~	10YR 4/4	SiLo too many cobbles	NCM
D17.46	[redacted] 0-18	10YR 4/4	SiLo Cobbles	NCM Bedrock @ 18cm
D17.99	0-31	10YR 4/4	SiLo cobbles	NCM
D17.102	0-26	10YR 4/4	SiLo cobbles	NCM Bedrock @ 26cm
D17.105	0-30	10YR 4/4	SiLo cobbles	NCM v. compact bed of cobbles @ 3cm
D17.108	0-32	10YR 4/4	SiLo cobbles	NCM Bedrock @ 32cm
D17.111	0-31	10YR 4/4	SiLo cobbles	NCM BR @ 31cm
D17.114	0-28	10YR 4/4	SiLo cobbles	NCM v. compact bed of cobbles @ 28cm

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB

Date: 10-1-13

Location/Setting: accessed 750 · 75

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D17.97	0-33	10yr 3/3	SALO	NCM bedrock @ 33
D17.100	0-37	10yr 3/3	SALO	NCM bedrock @ 37
D17.103	0-37	Same	Same	NCM bR @ 37
D17.106	0-33	Same	Same	NCM bR @ 33
D17.109	0-32	Same	Same	NCM bR @ 32
D17.112	0-42	Same	Same	NCM BR @ 42
D17.115	0-32	Same	Same	NCM BR 32
D17.118	0-33	Same	Same	NCM BR 33

EOT

draw a line to separate shovel tests

cheological Survey Field Record Sheet

edr Project #: 12114

Project Name: Great Bay Wind Farm Phase IB

Excavator(s): ES, CG

Date: 10-1-15

Location/Setting: D17 Access Rd Between T-5 and T-6

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D17.101	0-31 BR	10YR 4/4	Si Sa Lo	NCM BR @ 31
D17.104	0-25 BR	10YR 4/4	Si Sa Lo	NCM BR @ 25
D17.107	0-29 BR	10YR 4/4	Si Sa Lo	NCM BR @ 29
D17.110	0-18 BR	10YR 4/4	Si Sa Lo	NCM BR @ 18cm
D17.113	0-23 BR	10YR 4/4	Si Sa Lo	NCM BR @ 23
D17.116	0-25 25-28	10YR 4/4 10YR 4/2	Si Sa Lo Si Sa	NCM BR @ 28
D17.119	0-27 27-36 36-46	10YR 4/4 10YR 5/5 10YR 6/3	Si Sa Lo Si Sa Si Sa	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DT, CE

Date: 10/1/13

Location/Setting: Access rd to T5 + T6

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D17.117	0-29	10YR 4/4	Si Lo	NCM v. ~~bed~~ compact bed of cobbles @ 29cmbs
D17.120	0-20 20-23	10YR 4/4 10YR 6/6	Si Lo Si Sa	NCM Bedrock @ 23

draw a line to separate shovel tests

ological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES, DT, CE, DB

Date: 10-1-13

Location/Setting: D18

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D18.02	0-25 25-35	10YR 3/2 5YR 5/8	Si Lo Si Lo	NCM
D18.01	0-28 28-38	Same	Si SA Si SA	NCM
D18.03	0-28 28-38	Same	Si SA Si SA	NCM
D18.04	0-25	10YR 3/2 5YR 5/8	Si Lo Si Lo	NCM
D18.05	0-32 32-42	Same	Si SA Si SA	NCM
D18.06	0-6 6-75	10YR 3/2 10YR 5/6	Si Sa Si Sa	NCM Roots @ 6S
D18.08	0-4 5-30	10YR 3/2 5YR 5/8	Si Lo Si Sa	NCM
D18.07	0-14 14-24 24-34	10YR 3/2 10YR 6/6 10YR 5/8	Si Lo Si Sa Si Cl Lo	NCM
D18.09	0-33 33-43	10YR 3/3 10YR 5/8	Si SA Si SA	NCM
D18.12	0-30 30-32 32-40	10YR 3/3 10YR 2/1 5YR 5/8	Si Lo Si Lo Si Sa	NCM
D18.10	0-30 30-40	10YR 3/2 10YR 5/8	Si Lo Si Sa	NCM
D18.11	0-32 32-42	10YR 3/2 10YR 5/8	Si Lo Si Sa	NCM
D18.13	0-32 32-42	10YR 4/3 10YR 5/8	Si SA Si SA	NCM

SEE REVISED FOR 14-20

draw a line to separate shovel tests

D18.14	0-27	10YR 4/3	Sa Lo	MCM
	27-37	10YR 6/8	S. Sa	MCM
D18.16	0-20	10YR 3/3	Sa Lo	NCM
	20-30	10YR 2/1	Sa Lo	NCM
	30-40	10YR 5/8	Si Lo	NCM
D18.15	0.15	10YR 4/3	Sa Lo	MCM
	15-30	10YR 7/3	Sa	MCM
D18.17	0-27	10YR 4/3	Sa Lo	NCM
	27-37	10YR 7/3	Si Sa	
D18.18	0-25	10 YR 3/3	Si Lo	NCM
	25-27	10 YR 2/1	Si Lo	
	27-37	10 YR 5/8	Silt	
D18.19	0.29	10yr 4/3	Si Sa	NCM
	29-33	10yr 5/8	Si Sa	
	33-43	10yr 6/8	Si Sa	
D18.20	0-10	10YR 3/3	Si Sa	NCM
	10-30	10YR 5/8	Si Sa	
BDT				

y Field Record Sheet

12012

Copenhagen Wind Farm Phase IB

Excavator(s): ES

Date: 10-2-13

ting: D19 ~~Buried Inter-Connect~~ + Access Rd Near Mud St.

vel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D19.02	0-15 15-30	10YR 3/4 10YR 5/6	Si Lo Si Lo	None
D19.06	0-10 10-20	10YR 4/4 10YR 5/2	Si Sa Si Sa	None
D19.10	0-15 15-30	10YR 3/4 10YR 6/8	Si Sa Si Sa	None
D19.14	0-7 7-27	10YR 4/4 10YR 5/6	Si Sa Si Sa	None
D19.18	0-5 5-20	10YR 4/4 10YR 5/6	Si Sa Si Sa	None
D19.22	0-7 7-27	10YR 3/2 10YR 5/6	Si Lo Si Cl Lo	None
D19.26	0-10 10-20	10YR 3/4 10YR 5/4	Si Lo Si Cl Lo	None
D19.30	0-10 10-25	10YR 2/3 10YR 6/8	Si Lo Si Lo	None
D19.34	0-8 8-18 18-30	10YR 4/4 10YR 2/1 10YR 6/8	Si Lo Si Lo Si Lo	None
D19.38	0-20 20-30	10YR 3/2 + 6/8 10YR 6/8	Si Lo Si Lo	None
D19.42	0-20 20-30	10YR 3/2 10YR 6/8	Si Lo Si Lo	None
D19.46	0-15 15-30	10YR 3/2 10YR 6/8	Si Lo Si Lo	None

draw a line to separate shovel tests

y Field Record Sheet

12012

Copenhagen Wind Farm Phase IB

Excavator(s): ES

Date: 10-2-13

ting: D19 ~~Buried Inter-Connect~~ + Access Rd Near Mud St.

vel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D19.02	0-15 15-30	10YR 3/4 10YR 5/6	Si Lo Si Lo	None
D19.06	0-10 10-20	10YR 4/4 10YR 5/2	Si Sa Si Sa	None
D19.10	0-15 15-30	10YR 3/4 10YR 6/8	Si Sa Si Sa	None
D19.14	0-7 7-27	10YR 4/4 10YR 5/6	Si Sa Si Sa	None
D19.18	0-5 5-20	10YR 4/4 10YR 5/6	Si Sa Si Sa	None
D19.22	0-7 7-27	10YR 3/2 10YR 5/6	Si Lo Si Cl Lo	None
D19.26	0-10 10-20	10YR 3/4 10YR 5/4	Si Lo Si Cl Lo	None
D19.30	0-10 10-25	10YR 2/3 10YR 6/8	Si Lo Si Lo	None
D19.34	0-8 8-18 18-30	10YR ~~4/4~~ 4/4 10YR 2/1 10YR 6/8	Si Lo Si Lo Si Lo	None
D19.38	0-20 20-30	10YR ~~4/4~~ 3/2 + 6/8 10YR 6/8	Si Lo Si Lo	None
D19.42	0-20 20-30	10YR 3/2 10YR 6/8	Si Lo Si Lo	None
D19.46	0-15 15-30	10YR 3/2 10YR 6/8	Si Lo Si Lo	None

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB

Date: 10-2-13

Location/Setting: Buried Interconnect In woods

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D19.01	0-15 15-30	10yr 3/2 10yr 5/4	Si SA Si SA	NCW
D19.05	0-12 12-27	10yr 3/2 10yr 5/8	Same	NCW
D19.09	0-15 15-25	10yr 3/2 10yr 4/6	Same	NCW
D19.13	0-10 10-23	10yr 3/2 7.5yr 4/4	Same	NCW
D19.17	0-17 17-27	10yr 3/2 10yr 5/6	SALO SALO	NCW
D19.21	0-12 12-27	10yr 3/2 7.5yr 4/4	SaLo SaLo	NCW
D19.25	0-28 28-41	Same	CLLO CLLO	NCW
D19.29	0-28 28-39	Same	Same	NCW
D19.33	0-22 22-35	10yr 3/2 5yr 5/8	CLLO CLLO	NCW
D19.37	0-20 20-31	10yr 3/3 10yr 5/4	CLLO CLLO	NCW
D19.41	0-18 18-30	Same	SaLo SaLo	NCW
D19.45	0-37 37-47	10yr 3/1 10yr 3/4	CLLO CLLO	NCW
~~D19.49~~	0-28 28-38	10yr 3/3 10yr 5/4	CLLO CLLO	NCW
D19.53	0-30 30-40	Same	Same	NCW
D19.57	0-33 33-43	10yr 3/2 7.5yr 4/4	CLLO CLLO	NCW

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Colin Ely

Date: 10/2/13

Location/Setting: D19 access road off of Access Rd. near Mud Street

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D19.03	0-28 28-38	10YR 3/4 10YR 5/7	Silty loam Si Lo	NCM
D19.07	0-15 15-25	10YR 3/4 10YR 5/7	Si Lo Si Lo	NCM
D19.11	0-14 14-24	10YR 3/4 10YR 5/7	Si Lo Si Lo	NCM
D19.15	0-15 15-25	10YR 3/4 10YR 5/7	Si Lo Si Lo	NCM
D19.19	0-27 27-37	same	same	NCM
D19.23	0-25 25-38 38-48	10YR 3/4 10YR 5/7, 3/4 mottled 10YR 5/7	same	NCM
D19.27	0-20 20-30	10YR 3/4 10YR 5/7	same	NCM
D19.31	0-27 27-37	10YR 3/4 10YR 5/7	same	NCM
D19.35	0-14 14-24	same	same	NCM
D19.39	0-29 29-39	10YR 3/4 ~~10YR 5/8~~ 10YR 5/3	~~same~~ Si Lo Si sandy loam	NCM
D19.43	0-24 24-34	10YR 3/4 10YR 5/7	~~same~~ Si Lo Si Lo	NCM
D19.47	0-6 6-26	10YR 3/4 10YR 5/7	Si Lo Si Lo	NCM
D19.51	0-23 23-33	~~same~~ 10YR 3/4 10YR 5/5	Si Lo Si Lo	NCM
D19.55	0-22 22-29	10YR 3/4 10YR 5/5	Si Lo Si Lo	NCM solid rock @ 29cm
D19.59	0-13 13-23	same	same	NCM
D19.63	0-29 29-39	10YR 3/4 10YR 5/5	same	NCM

draw a line to separate shovel tests

ical Survey Field Record Sheet

roject #: 12012 Excavator(s): ES

ect Name: Copenhagen Wind Farm Phase IB Date: 10-2-13

ocation/Setting: D19 Access Rd Near Mud Rd

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D19.50	0-10 10-25	10YR 3/2 10YR 4/8	Si Lo Si Lo	None
D19.54	0-10 10-20	10YR 4/4 10YR 4/8	Si Lo Si Lo	None
D19.58	0-10 10-20	10YR 3/2 10YR 6/8	Si Lo Si Lo	None
D19.62	0-5 5-20	10YR 3/2 10YR 5/4	Si Lo Si Lo	None
D19.66	0-5 5-20	10YR 4/4 10YR 5/4	Si Lo Si Lo	None
D19.70	0-15 15-30	10YR 3/2 10YR 6/8	Si Lo Si Lo	None
D19.74	0-15 15-30	10YR 3/2 10YR 4/8	Si Lo Si Lo	None
D19.78	0-10 10-30	10YR 3/2 10YR 6/8	Si Lo Si Lo	None
D19.82	0-5 5-30	10YR 3/2 10YR 6/8	Si Lo Si Lo	None 1 glass frag not collected
D19.86	0-10 10-30	10YR 3/2 10YR 4/8	Si Lo Si Lo	None
D19.90	0-10 10-30 30-40	10YR 3/2 10YR 4/4 10YR 4/8	Si Lo Si Lo Si Lo	None

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB

Date: 10-2-13

Location/Setting: buried interconnect

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D19.61	0-21 21-33	10yr 2/1 7.5yr 5/8, 6/1	CLLO CLLO	NCM
D19.65	0-22 22-37	10yr 3/2 7.5yr 4/4	CLLO CLLO	NCM
D19.69	0-18 18-29	Same	SALO SALO	NCM
D19.73	0-2 2-27	10yr 3/3 10yr 5/6	SALO SALO	NCM
D19.77	0-21 21-31	10yr 3/2 7.5yr 5/8	SALO SALO	NCM
D19.81	0-19 19-31	10yr 3/3 10yr 5/3	SALO SALO	NCM
D19.85	0-7 7-27	10yr 3/2 7.5yr 4/4	SALO SALO	1 metal strap + bolt (not kept) NCM
D19.89	0-17 17-30	Same	Same	NCM
D19.93	0-17 17-29	10yr 3/2 7.5yr 5/8, 6/1	SiLO SiLO	NCM
D19.97	0-12 12-27	10yr 3/2 7.5yr 4/4	SALO SALO	next to patch of Daylilies NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Colin Ell

Date: 10/2/13

Location/Setting: D19 Access Road Near Mud Street

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D19.67	0-24 24-34	10YR 3/4 7.5YR 5/5	SiLo SiCl Lo	NCM
D19.71	0-19 19-29	10YR 3/4 7.5YR 6/6	SiLo SiCl Lo	NCM
D19.75	0-13 13-23	same	same	NCM
D19.79	0-8 8-15 15-25	10YR 3/4 10YR 7/2 7.5YR 6/6, 3/2 mottled	SiLo SiLo SiCl Lo	NCM
D19.83	0-23 23-33	10YR 3/4 10YR 5/6	SiLo SiLo	NCM
D19.87	0-6 6-28 28-38	10YR 3/4 10YR 5/6 10YR 7/1	SiLo SiLo SiLo	NCM
D19.91	0-21 21-31	10YR 3/4 10YR 5/6	SiLo SiLo	NCM
D19.95	0-20 20-0	same	same	NCM
D19.99	0-16 16-26	same	same	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DT

Project Name: Copenhagen Wind Farm Phase IB Date: 10/02/13

Location/Setting: Access rd near Mud st

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D19.04	0-25 25-35	10 YR 3/3 10 YR 5/8	Si Lo Silt	NCM
D19.08	0-30 30-40	10 YR 3/3 10 YR 5/8	Si Lo Silt	NCM
D19.12	0-12 12-22	10 YR 3/3 10 YR 5/8	Si Lo Silt	NCM
D19.16	0-15 15-25	10 YR 3/3 10 YR 5/8	Si Lo Silt	NCM
D19.20	0-10 10-20	10 YR 3/3 10 YR 5/8	Si Lo Silt	NCM
D19.24	0-18 18-28	10 YR 3/3 10 YR 6/6, 5/8	Si Lo Si Lo mottled	NCM
D19.28	0-20 20-30	10 YR 3/3 10 YR 6/6, 5/8	Si Lo Si Lo mottled	NCM
D19.32	0-8 8-28	10 YR 3/3 5 YR 5/8	Si Lo Si Lo	NCM
D19.36	0-20 20-30	10 YR 3/3 5 YR 5/8	Si Lo Si Lo	NCM
D19.40	0-30 30-40	10 YR 3/3 5 YR 5/8	Si Lo Si Lo	NCM
D19.44	0-30 30-40	10 YR 3/3 10 YR 5/8	Si Lo Silt	NCM
D19.48	0-28 28-38	10 YR 3/3 10 YR 6/6, 5/8	Silt Lo Silt Lo mottled	NCM
D19.52	0-15 15-25	10 YR 3/3 5 YR 5/8	Si Lo Si Lo	NCM
D19.56	0-35 35-45	10 YR 3/3 10 YR 5/8, 4/3	Si Lo Si Lo	NCM
D19.60	0-35 35-45	10 YR 4/4 10 YR 5/8	Si Lo Si Lo	NCM
D19.64	0-18 18-28	10 YR 3/3 10 YR 5/8	Si Lo Si Lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DT

Date: 10/02/13

Location/Setting: Access Rd near Mud St

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D19.68	0-12 12-22	10 YR 4/4 10 YR 5/8	SiLo SiLo	NCM
D19.72	0-18 18-28	10 YR 4/4 10 YR 5/8	SiLo SiLo	NCM
D19.76	0-15 15-25	10 YR 4/4 10 YR 4/2, 5/8	SiLo SiLo mottled	NCM
D19.80	0-28 28-38	10 YR 4/4 10 YR 5/8	SiLo SiLo	NCM
D19.84	0-25 25-35	10 YR 3/3 5 YR 5/8	SiLo SiLo	NCM
D19.88	0-20 20-30	10 YR 3/4 5 YR 5/8	SiLo SiLo	NCM
D19.92	0-14 14-24	10 YR 4/4 5 YR 5/8	SiLo SiLo mottled	NCM
D19.96	0-22 22-32	10 YR 4/4 5 YR 5/8	SiLo SiLo mottled	NCM
D19.100	0-24 24-34	10 YR 4/4 5 YR 5/8	SiLo SiLo mottled	NCM

draw a line to separate shovel tests

vey Field Record Sheet

t #: 12012

Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES

Date: 10-2-13

ation/Setting: D19 access Rd near Mud Rd

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D19.94	0-10 10-25	10YR 3/2 10YR 4/8	SiLo SiLo	None
D19.98	0-10 10-25 25-35	10YR 4/4 10YR 5/4 10YR 5/3	SiLo SiLo SiSa	None

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 10-21-13

Location/Setting: N-S 1-4 W-E 4-8 Site D20 - Radials (poss - prehistoric Core)

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
D20.01	0-34 34-44	10yr 3/2 10yr 4/6	SiLo SiLo	none
D20.02	0-35 35-45	Same	Same	None
D20.03	0-26 26-36	10yr 3/2 7.5yr 5/8	CL Lo CL Si	None
D20.04	0-28 28-38	Same	Same	None
EOT				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): CE

Date: 10/21/13

Location/Setting: D20 next to HS6 in Corn Field

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
~~HS6.31~~	~~0-31 31-41~~	~~10YR 4/4 10YR 5/6~~	~~Si Clo Si Clo~~	
[redacted]				
D20.05	0-28 28-38	10YR 4/4 10YR 5/6	SiClLo SiClLo	NCM
D20.06	0-27 27-37	10YR 3/4 10YR 5/6	SiClLo SiClLo	NCM
D20.07	0-31 31-41	10YR 4/4 10YR 4/2	SiClLo SiClLo	NCM
D20.08	0-25 25-35	10YR 3/4 10YR 5/7	SiClLo SiClLo	NCM

draw a line to separate shovel tests

ological Survey Field Record Sheet

dr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES, CE

Date: 10-7-13

Location/Setting: E2 Transmission Line

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E2.01	0-10 10-25 25-35	10YR 2/1 10YR 4/4 10YR 5/4	Si Lo Si Lo Si Lo	None None
E2.04	0-32 32-42	10YR 3/2 10YR 4/6	Si Lo Si Lo	NCM NCM
E2.07	0-30 30-40	10YR 3/2 10YR 4/6	Si Lo Si Lo	None
E2.10	0-27 27-37	10YR 3/2 10YR 4/4	Si Lo Si Cl Lo	NCM NCM
E2.13	0-10 10-30	10YR 3/2 10YR 5/8	Si Lo Si Lo	None
E2.16	0-15 15-30	10YR 2/2 10YR 4/4	Si Cl Lo Si Lo	None
E2.19	0-10 10-25	10YR 2/2 10YR 4/4	Si Lo Si Cl Lo	None
E2.22	0-27 27-37	10YR 2/2 10YR 4/4	Si Lo Si Lo	NCM
~~E2.25~~	~~0-20~~ ~~20-30~~	~~10YR 2/2~~ ~~10YR 5/4~~	~~Si Lo~~ ~~Si Lo~~	~~None~~
E2.28	0-20 20-30	10YR 2/2 10YR 5/4	Si Lo Si Lo	None
E2.34	0-15 15-30	10YR 2/2 10YR 5/4	Si Lo Si Lo	None
E2.[illegible]	0-15 15-30	10YR 2/2 10YR 4/4	Si Lo Si Sa Lo	None

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draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DT

Date: 10/07/13

Location/Setting: Transmission Line

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E2.02	0-25 25-35	10 YR 4/4 10 YR 5/8	Silty Loam Silt	NCM
E2.08	0-28 28-38	10 YR 4/4 10 YR 5/6	Si Lo Si Lo	NCM
E2.14	0-30 30-40	10 YR 4/4, 7/2 10 YR 5/6	Si Lo mottled Si Lo	NCM
E2.20	0-32 32-42	10 YR 3/2 10 YR 5/0	Si Lo Si Lo	NCM
E2.23	0-30 30	10 YR 3/2 —	Si Lo v. lg tree root	ST located next to lg maple tree NCM
E2.26	0-30 3-40	10 YR 3/2 10 YR 6/6	Si Lo Si Lo	NCM
E2.29	0-35 35	10 YR 4/4 —	Si Lo v. lg tree root	ST located next to lg maple NCM
E2.32	0-25 25-35	10YR 3/2 10YR 5/6	Si Lo Si Lo	NCM NCM
E2.35	0-28 28-38	10 YR 3/2 10 YR 6/6	Si Lo Si Lo	NCM
E2.38	0-27 27-37	10YR 3/2 10YR 3/4	Si Lo Si Cl Lo	NCM
E2.41	0-32 32-42	10 YR 3/2 10 YR 5/6, 4/4	Si Lo Si Lo mottled	NCM
E2.47	0-12 12-22	10 YR 3/2 10 YR 5/6	Si Lo Si Lo	NCM
E2.44	0-22 22-32	10YR 3/2 10YR 5/6	Si Lo Si Lo	NCM
E2.50	0-32 32-42	10 YR 3/2 10 YR 5/6	Si Lo Si Lo	NCM

draw a line to separate shovel tests

ogical Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 10·7·13

Location/Setting: transmission line In woods

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E2. 03	0-17 17-27	10yr 3/2 10yr 3/6	SiLo SiLo	NCM lots of Roots
E2. 06	0-22 22-32	10YR 3/2 10YR 3/6	Silty loam Silty Loam	NCM
E2. 09	0-26 26-40	Same	Same	NCM
E2. 12	0-24 24-37	Same	Same	NCM
E2. 15	0-27 27-37	Same	Same	NCM
E2. 18	0-28 28-38	same	same	NCM
E2. 21	0-22 22-32	Same	Same	NCM
24 stage E2. 27	0-22 22-32	Same	Same	NCM
E2. 30	0-22 22-32	same	Same	NCM
E2. 33	0-22 22-32	same	Same	NCM
E2. 36	0-23 23-37	10yr 4/3 10yr 5/6	Same	NCM
E2. 39	0-26 26-39	Same	Same	NCM
E2. 42	0-30 30-40	same	Same	NCM
E2. 45	0-24 24-34	10yr 4/2 10yr 3/6, 6/2	Same	NCM
E48 stage E2. 51	0-25 25-35	10yr 3/3 10yr 3/6	Same	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 10-7-13

Location/Setting: Transmission line In woods

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E2. 102	0-29 29-39	10yr 3/3 10yr 6/6	cl lo cl lo	NCM
E2. 105	0-33 33-43	10YR 3/3 10YR 6/6	same same	NCM
E2. 108	0-29 29-41	same	si lo si lo	NCM
E2. 111	0-26 26-36	10yr 3/2 10yr 5/6	same	NCM massive roots
E2. 114	0-33 33-43	10yr 3/1 10yr 4/6	cl lo cl lo	NCM
E2. 117	0-33 33-43	10yr 2/1 10yr 5/6	cl lo cl lo	NCM
E2. 120	0-38 38-48	10YR 2/1 10YR 5/6	cl lo cl lo	NCM
E2. 123	0-37 37-47	same	same	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Dustin Conklin

Date: 10/7/13

Location/Setting:

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E2.73	0-19 19-30	lt Bn gy st Bn	Fn sd slt Fn sd slt	WW vicks box Shotgun shell whiskey Fbx Flat glass cut nail Aqua glass
E2.85	0-15 15-24	lt Bn gy st Bn	Fn sd slt	Lots of Roots
E2.91	0-36 Rock Impase	Dk gy Bn	Fn sd slt Fn slt sd	Nocm Rock Impase 10cm
E2.97	0-28 Rock Impase	Dk gy Bn	Fn slt sd	10cm Rock Impase
E2.103	0-24 24-33	Dk gy Bn. st Bn	Fn slt sd	No cm Roots
E2.107	0-29 29-39	Lt gy Bn st Bn	Fn slt sd	Loose 10cm
E2.112	0-19 19-30	lt gy Bn st Bn	Fn slt sd	No cmm
E2.118	0-26 26-36	Dk gy Bn	Fn slt sd	no cm

draw a line to separate shovel tests

gical Survey Field Record Sheet

Project #: 12012 Excavator(s): DB

oject Name: Copenhagen Wind Farm Phase IB Date: 10-7-13

Location/Setting: transmission line In woods

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
B54 Strip E2.57	0-26 26-36	10yr 3/3 10yr 3/6	SiLo SiLo	NCM
E2. 60	0-25 25-37	same	same	NCM
E2. 63	0-25 25-35	10yr 3/2 7.5yr 5/6	SiLo SiLo	NCM
E2.66	0-27 27-37	10YR 3/2 10YR 5/6	SiLo SiLo	NCM
E2. 69	0-24 24-34	same	same	NCM
E2. 72	0-26 26-36	10yr 3/1 10yr 5/6	SiLo SiLo	NCM
E2. 75	0-23 23-33	10yr 3/3 10yr 4/6	SiLo SiLo	NCM old galvanized wash tub on surface 5m off line
E2. 78	0-20 20-30	10YR 3/3 10YR 5/6	SiLo SiLo	NCM
E2. 81	0-20 20-30	same	same	NCM on old road bed
E2. 84	0-21 21-31	same	same	NCM on seperate old road bed
E2. 87	0-20 20-30	10yr 4/2 10yr 5/8	same	NCM ↓ same
E2. 90	0-18 18-28	same	same	NCM ↓ same ↓ same
E2. 93	0-25 25-35	10YR 4/2 10YR 4/4	same	NCM
E2. 96	0-37 37-47	10yr 3/2 10yr 4/6	CLLo CLLo	NCM
E2. 99	0-30 30-40	10yr 3/2 10YR 6/8	SiCLLo CLLo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DT

Date: 10/07/13

Location/Setting: Transmission Line

Shovel Test	Depth CMBS	Soil Color	Soil Texture	Artifacts/Comments
E2. 56	0-35 35-45	10 YR 4/4 10 YR 5/6	Si Lo Si Lo	NCM
E2. 62	0-29 29-39	10 YR 4/4 10 YR 5/6	Si Lo Si Lo	NCM
E2. 65	0-34 34-44	10 YR 4/4 10 YR 5/6	Si Lo Si Lo	NCM
E2. 71	0-25 25-35	10 YR 3/3 10YR 5/6	Si Lo Si Lo	NCM
E2. 64	0-18 18-28	10 YR 4/4 10 YR 5/6	Si Lo Si Lo	NCM
E2. 74	0-15 15-30	10YR 4/4 10YR 5/6	Si Lo Si Lo	NCM
E2. 77	0-18 18-28	10 YR 4/4 10 YR 5/6	Si Lo Si Lo	NCM
E2. 80	0-27 27-37	10 YR 4/4 10 YR 5/6	Si Lo Si Lo	NCM
E2. 83	0-24 24-34	10YR 3/3 10YR 4/4	Si Lo Si Lo	NCM Cobble layer @ 34 cm
E2. 86	0-15 15-20 20	10 YR 4/4 10 YR 5/6 —	Si Lo Si Lo v. lg tree root	NCM ST located nex to lg maple
E2. 89	0-11 11-25	10YR 3/4 10YR 5/6	Si Lo Si Lo	NCM
E2. 92	0-25 25-35	10 YR 3/3 10 YR 5/6	Si Lo Si Lo	NCM
E2. 95	0-20 20-30	10 YR 3/3 10 YR 5/6	Si Lo Si Lo	NCM
E2. 98	0-40 40-50	10 YR 3/3 10 YR 4/4, 5/6	Si Lo Si Lo mottled	NCM
E2. 101	0-30 30-40	10 YR 3/3 10 YR 4/4, 5/6	Si Lo Si Lo mottled	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES

Date: 10-7-13

Location/Setting: E2 Transmission Line

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E2.~~[illegible]~~ 46e	0-20 20-30	10YR 3/2 10YR 4/4	Si Lo Si Lo	NCM
E2.49	0-22 22-32	10YR 2/2 10YR 4/4	Si Lo Si Lo	NCM
E2.52	0-15 15-30	10YR 3/2 10YR 4/4	Si Lo Si Lo	NCM
E2.55	0-27 27-37	10YR 2/2 10YR 3/4	Si Lo Si Lo	NCM
E2.58	0-20 20-35	10YR 2/2 10YR 3/4	Si Lo Si Lo	NCM
E2.64	0-15 15-30	10YR 2/2 + 3/4 10YR 4/4	Si Lo Si Lo	NCM
E2.70	0-20 20-30	10YR 2/1 10YR 5/6	Si Lo Si Cl Lo	NCM
E2.76	0-25 25-35	10YR 3/1 10YR 4/4	Si Lo Si Lo	NCM
E2.79	0-13 13-23	10YR 3/2 10YR 4/4	Si Lo Si Lo	NCM NCM
E2.82	0-25 25-35	10YR 3/2 10YR 4/4	Si Lo Si Lo	NCM
E2.88	0-15 15-30	10YR 3/1 10YR 5/4	Si Cl Lo Cl Lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Dustin Cockin

Date: 10/7/13

Location/Setting:

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E2.05	27 cm 27-34	lt gy Bn st Bn	Fn Sand slt	No cm
E2.11	47 cm 47-56	Dk gy Bn st Bn	Fn slt Sand	really loose no cm
E2.17	0-36 cm 36-47	lt gy Bn st Bn	Fn Sand slt	No cm
E3.24	0-42 cm 42-52	st Bn	Fn Sand slt	No cm No cm
E1.25	0-49 cm 49-61	Dk gy Bn st Bn	Fn slt Sand Fnd Sand slt	loose No cm
E1.31	0-27 cm 27-36	lt Bn st Bn	Fn Sand slt Fn slt clay	No cm
E1.37	0-16 cm 16-26	lt gy Bn st Bn	Fn Sand slt Fn slt Sand	No cm
E1.43	0-20 20-30	lt gy Bn st Bn	Fnd Sand slt Fn Sand slt	No cm
E3.48	0-17 17-26	lt gy Bn st Bn	Fn Sand slt	No cm
E2.53	0-21 21-32	lt gy Bn st Bn	Fn Sand slt	No cm
E2.59	0-17 17-25	lt gy Bn st Bn	Fn Sand slt	No cm
E1.61	0-19 19-29	lt Bn st Bn	Fn Sand slt	No cm
E1.67	0-20 20-31	Dk gy st Bn	Fnd slt Sand Fn slt Sand	No cm

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES

Date: 10-7-13

Location/Setting: E2 Transmission Line

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E2.94	0-20 20-30	10YR 3/2 10YR 5/8	Si Lo Si Lo	None
E2.100	0-20 20-30	10YR 3/2 10YR 5/6	Si Lo Si Lo	None
E2.106	0-15 15-30	10YR 3/1 10YR 5/6	Si Lo Si Lo	None
E2.109	0-10 10-30	10YR 3/1 10YR 4/6	Si Lo Si Lo	None
E2.115	0-10 10-12	10YR 3/1 10YR 4/6	Si Lo Si Lo	None Stopped by Roots
E2.121	0-35 35-45	10YR 3/1 10YR 5/7	Si Lo Si Lo	None

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DT

Project Name: Copenhagen Wind Farm Phase IB Date: 10/07/13

Location/Setting:

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E2. 110	0-36 36 Thick cobbles	10YR 2/1	SiLo	NCM Cobbles in thick layer @ 36 cm
E2. 116	0- [redacted] 41 41-51	10YR 2/1 10YR 5/6	SiLo SiLo	NCM
E2. [redacted] 113	0-18 18-28	10 YR 3/2 10 YR 5/6	SiLo SiLo	NCM
E2. 119	0-28 28-38	10 YR 3/2 10 YR 5/6	SiLo SiLo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES

Date: 10-8-13

Location/Setting: E3 Transmission line on edge of wood

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E3.01	0-35 35-45	10YR 2/1 10YR 5/7	Si Lo Cl Lo	None
E3.04	0-55 55-65	10YR 2/1 10YR 5/6	Si Lo Cl Lo	NCM
E3.07	0-25	10YR 2/1	Si Lo	None Root impacts
E3.10	0-34 34-44	10YR 2/1 10YR 5/6	Si Lo Sandy Lo	NCM
E3.13	0-28 28-38	10YR 2/1 10YR 4/4	Si Lo Si Lo	NCM
E3.16	0-25 25-35	10YR 3/1 10YR 4/4	Si Lo Si Lo	None
NOT MY LINE → E3.19	0-38 38-48	10YR 4/4 10YR 5/6	Si Lo Si Lo	NCM
E3.22	0-35 35-45	10YR 2/1 10YR 5/6	Si Lo Si Lo	None
E3.25	0-35 BR	10YR 2/1	Si Lo	NCM BR or buried boulder @ 35
E3.28	0-32 32-35	10YR 3/4 10YR 5/6	Si Lo Si Lo	None compact cobbles @ 35
E3.31	0-30 30-40	10YR 2/34 10YR 6/6	Si Lo w/gravel and cobbles Si Lo	NCM
E3.34	0-28 28-38	10YR 2/4 10YR 6/6	Si Lo Si Lo	NCM Roots everywhere
E3.37	0-35 35-45	10YR 2/1 10YR 5/7	Si Lo Si Sa Lo	None
E3.40	0-28 28-38	10YR 2/1 10YR 5/7	Si Lo Si Sa Lo	None

draw a line to separate shovel tests

y Field Record Sheet

12

Copenhagen Wind Farm Phase IB

Excavator(s): DT, DC

Date: 10/8/13

Location/Setting: Transmission Line

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E3.02	0-28 28-38	10 YR 3/2 10 YR 6/6	silt Loam sandy Clay	NCM
E3.05	0-27 27-38	4 gy Bn St Bn	Fn Slt lm Snd cl	NCM
E3.08	0-35 35	10 YR 4/4 —	SiLo Lg tree root	NCM
E3.11	0-27 27-37	10 YR 4/4 10 YR 6/6	SiLo silty Sand	NCM
E3.14	0-28 28-38	10 YR 4/4 10 YR 6/6	SiLo SiSa	NCM
E3.17	0-29 29-39	5Y Bn St Bn	Fn Slt lo Si Sa	NCM
E3.20	0-30 30-40	10 YR 4/4 10 YR 6/6	SiLo SiSa	NCM
E3.23	0-20 20	10 YR 4/4 —	SiLo V. lg tree root	NCM
E3.26	0-27 27-38	5Y Bn St Bn	Fn Slt lo Si Sa	NCM
E3.29	0-19 Rock Impact	5Y Bn St Bn	Md Snd Si Si Sa	NCM Large Rock covering Base
E3.32	0-15 15-25	10 YR 4/4 10 YR 5/4	SiLo SiSa w/gravels	NCM
E3.35	0-30 30-40	10 YR 4/4 10 YR 6/6	SiLo SiSa	NCM
E3.38	0-25 25-35	10 YR 4/4 10 YR 6/6	SiLo Si Sa	NCM
E3.41	0-20 20-30	10 YR 3/3, 4/4, 10 YR 6/6	SiLo mottled Si Sa	NCM
E3.44	0-26 26-30	10 YR 4/4 10 YR 5/6	Si lo Si Sa	NCM root Impacts

draw a line to separate shovel tests

l Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 10-8-13

Location/Setting: transmission line In woods

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E3 .03	0-27 27-37	10yr 3/2 10yr 5/6	CLLo SACL	NCM
E3. 06	0-30 30-40	10yr 3/2 10yr 7/1, 6/6	CLLo SiSa	NCM
E3. 09	0-34 Root impask	Hy BN	IN cl lo	NCM Root Impasse
E3. 12	0-33 33-43	10yr 3/2 10yr 5/6	CLLo SiCL	NCM
E3. 15	0-29 29-40	Same	Same	NCM
E3. 18	0-27 27-37	Same	Same	NCM
E3. 21	0-27 27-37	Same	Same	NCM
E3. 24	0-28 28-38	10yr 2/1 ~~Same~~ 10yr 5/4	Same	NCM
E3. 27	0-24 24-34	10yr 3/2 10yr 5/4	CLLo SiCL	NCM
E3. 30	0-26 26-36	Same	Same	NCM 60% gravel + small cobbles
E3. 33	0-35 35-45	10yr 2/1 10yr 5/4	CLLo SiCL	NCM
E3. 36	0-35 35-45	Same	Same	NCM
E3. 39	0-33 33-44	10 YR 2/1 10 YR 5/6	Si lo SiSa	NCM
E3. 42	0-26 26-36	10yr 3/3 10yr 5/6	CLLo SiSA	NCM
E3. 45	0-26 26-36	Same	Same	NCM

draw a line to separate shovel tests

ld Record Sheet

Excavator(s): ES CE

agen Wind Farm Phase IB

Date:

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E3.43	0-31 31-41	10YR 2/1 10YR 5/7	SiLo SiSaLo	NCM
E3.46	0-31 31-41	10YR 2/1 10YR 5/7	SiLo SiSaLo	NCM
E3.49	0-30 30-40	10YR 3/3 10YR 5/6	SiLo SiSaLo	NCM
E3.52	0-50 - Boulders	10YR 3/3	SiLo	NCM Rock layer @ 50cm
E3.55	0-7 7-20	10YR 2/1 10YR 3/3	SiLo SiLo	NCM Large cobbles @ 20
E3.58	0-25 25-35	10YR 3/1 10YR 4/7	SiLo SiLo	NCM
E3.61	0-28	10YR 2/1	SiLo	NCM Boulder @ 28
E3.64	0-30 30-40	10YR 3/2 10YR 5/6	SiLo SiLo	NCM
E3.67	0-25	10YR 3/2	SiLo	NCM Lg. Root impeded @ 25
E3.70	0-23	10YR 3/2	SiLo	NCM Cobble layer @ 23cm
E3.73	[redacted] 0-18 18-28	10YR 3/2 10YR 4/4	SiLo SiLo	NCM
E3.76	0-41	10YR 3/2	SiLo	NCM Root @ 41
E3.79	0-20	10YR 3/2	SiLo	NCM Large Root @ 20
E3.82	0-20 20-30	10YR 3/2 10YR 5/6	SiLo SiLo	NCM
E3.85	0-24 24-34	10YR 3/2 10YR 5/6	SiLo SiCLo	NCM

draw a line to separate shovel tests

Survey Field Record Sheet

Project #: 12012 Excavator(s): DT, DC

Project Name: Copenhagen Wind Farm Phase IB Date: 10/8/13

Location/Setting: Transmission Line

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E3.47	0-30 30-40	10 YR 4/4 10 YR 6/6	Si Lo Si Sa	NCM
E3.50	0-23 23-33	10 YR 4/4 10 YR 5/6	Si lo Si Sa	NCM
E3.53	0-35 35-45	10 YR 4/4 10 YR 5/4	Si Lo Si Sa w/gravels	NCM
E3.56	0-30 30-40	10 YR 4/4 10 YR 5/4	Si Lo Si Sa w/ gravels	NCM
E3.59	0-25 25-30	10 YR 4/4 10 YR 5/4	Si Lo Si Sa w/gravels	NCM
E3.62	0-20 20-31	10 YR 4/4 10 YR 5/6	Si lo w/ cobbles Si Sa	NCM
E3.65	0-27 27-37	10 YR 4/4 10 YR 5/6	Si Lo Si Sa	NCM
E3.68	0-25 Rock Impasse	10 YR 4/4	Si lo w/ cobbles	NCM
E.71	0-30 30-40	10 YR 4/4 10 YR 5/6	Si Lo Si Sa	NCM
E.74	0-12 12-23	10 YR 4/4 10 YR 5/4	Si Lo Si Sa w/ gravels	NCM
E3.77	0-14 14-24	10 YR 4/4 10 YR 5/4	Si lo Si Sa	NCM
E3.80	0-10 10	10 YR 4/4 —	Si Lo ~~Si Sa~~ U. lg. tree root	NCM
E3.83	0-24 24-33	10 YR 4/4 10 YR 4/6	Si lo w/gravel Si Sa	NCM
E3.86	0-20 20-30	10 YR 4/4 10 YR 5/6	Si Lo Si Sa w/gravels	NCM
E3.89	0-17 17-25	10 YR 4/4 10 YR 5/6	Si lo w/gravels Si Sa w/cobble	NCM Rock/Root Impasse
E3.92	0-18 18-28	10 YR 4/4 10 YR 5/6	Si Lo Si Sa tree roots	NCM

draw a line to separate shovel tests

Field Record Sheet

012 Excavator(s): DB

Copenhagen Wind Farm Phase IB Date: 10-8-13

cation/Setting: transmission line In Woods

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E3. 48	0-28 28-38	10yr 2/1 10yr 7/8	CLLO Si	NCM
E3. 51	0-28 28-38	Same	Same	NCM
E3. 54	0-31 31-41	10yr 2/1 10yr 5/4	CLLO Si CL	NCM 60% gravel & small cobbles
E3. 57	0-27 27-37	10YR 2/1 10 YR 5/6	Cl S, w gr and cobbles Si cl	NCM gravel and cobbles
E3. 60	0-23	10yr 2/1	CLLO	NCM ROCK Impasse 60% gravel + cobbles
E3. 63	0-26 26-36	10yr 3/2 10yr 5/4	CLLO CLLO	NCM
E3. 66	0-29 29-41	Same	Same	NCM
E3. 69	0-17	10yr 3/1	CLLO	NCM Rock Impasse 30% gravel
E3. 72	0-14 14-22	10 YR 3/1 10 YR 6/6	Si lo w/gravel Si lo w/gravel	NCM
E3. 75	0-21	10yr 3/1	CLLO	NCM Major Roots Impass-
E3. 78	0-23 23-33	10yr 3/2 10yr 5/4	CLLO CLLO	NCM
E3. 81	0-23 23-33	Same	Same	NCM
E3. 84	0-22 22-28	Same	Same	NCM Many roots
E3. 87	0-16 16-26	Same	Same	NCM
E3. 90	0-28 28-38	Same	Same	NCM
E3. 93	0-20 20-31	10 YR 3/2 10 YR 5/6	CL lo CL lo	NCM

draw a line to separate shovel tests

l Survey Field Record Sheet

Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES, CE

Date: 10-8-13

Location/Setting: E3 Transmission Line

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E3.88	0-20 20-30	10YR 2/3 10YR 6/8	Si Lo Si Lo	NCM
E3.91	0-14 14-24	10YR 2/2 10YR 4/7	Si Lo Si Lo	NCM
E3.94	0-15 15-25	10YR 2/3 10YR 5/6	Si Lo Si Lo	NCM
E3.97	0-40	10YR 2/3 Rock layer	Si Lo	NCM Cobble layer @40
E3.100	0-20	10YR 3/3 Compact cobbles	Si Lo	NCM
E3.103	0-24 24-34	10YR 3/2 10YR 4/6	Si Lo Si Lo	NCM
E3.106	0-24 24-31	10YR 3/2 10YR 3/3	Si Lo Si Lo	NCM
E3.109	0-24 24 → Rock	10YR 3/2	Si Lo	NCM Cobble layer @24
E3.112	0-20 20-30	10YR 3/3 10YR 5/6	Si Lo Si Lo	NCM
E3.115	0-28 28-38	10YR 3/3 10YR 5/6	Si Lo Si Lo	NCM
E3.118	0-15 15-25	10YR 2/3 10YR 5/6	Si Lo Si Lo	NCM
E3.121	0-31 31-41	10YR 3/1 10YR 3/4	Si Lo Si Lo	NCM
E3.124	0-20 20-35	10YR 3/1 10YR 4/4	Si Lo Si Lo	NCM

draw a line to separate shovel tests

cal Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DT, DC

Date: 10/8/13

Location/Setting: Transmission Line

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E3.95	0-30 30-40	10 YR 4/4 10 YR 5/6	Si Lo Si Sa	NCM
E3.98	0-22 22-32	10 YR 4/4 10 YR 5/6	Si Lo Si Sa many tree roots	NCM
E3.101	0-26 26-36	10 YR 4/4 10 YR 5/6	Si Lo Si Sa w/gravels	NCM
E3.104	0-19 19-30	10 YR 4/4 10 YR 5/6	Si Lo Si Sa	NCM In depression
E3.107	0-40 40-50	10 YR 4/4, 5/4 10 YR 5/6	Si Lo mottled Si Sa	NCM
E3.110	0-10 10-15 15	10 YR 4/4 10 YR 5/6	Si Lo Si Sa lg. tree root	NCM
E3.113	0-19 19-29	10YR 4/4 Mottled w/10YR 5/6 10 YR 6/6	Si Lo mottle Si Sa	NCM
E3.116	0-27 27-39	10 YR 4/4 mottled w/10YR 5/6 10 YR 6/6	Si Lo mottle Sa Si	NCM
E3.119	0-25 25-35	10 YR 4/4 10 YR 6/6	Si Lo Si Sa	NCM
E3.122	0-11 11-21	10 YR 4/4 10 YR 6/6	Si Lo w/cobbles Si Sa	NCM
E3.125	0-20 20-30	10 YR 4/4 10 YR 6/6	Si Lo Si Sa w/cobbles	NCM
E3.128	0-25 25-35	10 YR 4/4 10 YR 6/6	Si Lo Si Sa	NCM
E3.131	0-19 19-30	10 YR 4/4 10 YR 6/6	Si Lo Si Sa	NCM
E3.134	0-30 30-40	10 YR 4/4 10 YR 6/6	Si Lo Si Sa	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 10-8-13

Location/Setting: Transmission line in woods

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E3.96	0-28 28-38	10yr 3/2 10yr 5/4	cl lo cl lo	nc
E3.99	0-19 19-32	10 YR 3/2 10 YR 5/4	cl lo cl lo	nch Rocks
E3.102	0-26 26-36	Same	cl lo si lo	nc
E3.105	0-23 23-34	10 YR 3/2 10 YR 5/4	cl lo si cl	nch
E3.108	0-27 27-37	Same	Same	nc
E3.111	0-26 26-36	Same	Same	nc
E3.114	0-26 26-36	Same	Same	nc
E3.117	0-27 27-37	Same	si lo cl lo	nc
E3.120	0-28 28-38	Same	si lo si lo	nc
E3.123	0-24 24-34	Same	Same	nc
E3.126	0-24 24-30	10 YR 3/2 10 YR 5/6	si lo si sa	nch Root impos
E3.129	0-27 27-37	Same	Same	nc
E3.132	0-27 27-37	Same	si lo cl lo	nc
E3.135	0-21 21-32	10 YR 3/2 10 YR 5/6	si cl cl lo	nch
E3.138	0-25 25-35	Same	Same	nc
E3.141	0-21 21-32	10 YR 3/2 10 YR 5/6	si cl cl lo	nch
E3.144	0-23 23-33	Same	Same	nc

draw a line to separate shovel tests

E3.1

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES, CE

Date: 10-8-13

Location/Setting: E3 Transmission Line

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E3.127	0-29 29-39	10YR 3/2 10YR 4/4	SiLo SiLo	NCM
E3.130	0-25 25-35	10YR 3/1 10YR 4/4	SiLo SiLo	NCM
E3.133	0-30 30-40	10YR 3/1 10YR 5/6	SiLo SiLo	NCM
E3.136	0-20	10YR 3/1	SiLo	NCM Root impass
E3.139	0-10 10-25	10YR 3/2 10YR 5/6	SiLo SiLo	NCM Stopped by Rocks
E3.142	0-27 27-37	10YR 3/2 10YR 5/6	SiLo SiLo	NCM
E3.145	0-25 25-35	10YR 3/2 10YR 5/7	SiLo SiClLo	NCM
E3.148	0-27 27-37	10YR 3/2 10YR 5/7	SiLo SiClLo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DT, DC

Date: 10/8/13

Location/Setting: Transmission Line

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E3.137	0-20 20-30	10 YR 4/4 10 YR 6/6	Si Lo Si Sa	NCM
E3.140	0-28 28-38	10 YR 4/4 10 YR 6/6	Si Lo Si Sa	NCM
E3.143	0-15 15-25	10 YR 4/4 10 YR 6/6	Si Lo Si Sa	NCM
E3.146	0-23 23-33	10 YR 4/4 10 YR 6/6	Si Lo Si Sa	NCM Moist
E3.149	0-25 25-38	10 YR 2/3 10 YR 5/7	Si Lo Si Lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB

Date: 10-8-13

Location/Setting: transmission line

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E3.147	0-23	10yr 3/2	Silt	NC
	23-33	10yr 6/6	clay	
E3.150	0-25	Same	San	NC
	25-35			
E3.151				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES / CE

Date: 10-9-13

Location/Setting: ES

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
ES. 01	0 - 10 10 - 18	10YR 2/1 10YR 4/4	Si Lo Si Lo	None Impacts of Roots
ES. 04	0 - 27 27 - 37	10YR 3/4 10YR 4/3	Si Lo Si Lo	NCM
ES. 07	0 - 21 21 - 31	10YR 3/4 10YR 4/3	Si Lo Si Lo	NCM
ES. 10	0 - 15 15 - 25	10YR 3/3 10YR 4/4	Si Lo Si Lo	None
ES. 13	0 - 13 13 - 23	10YR 3/3 10YR 4/4	Si Lo Si Lo	NCM
ES. 16	0 - 15 15 - 25	10YR 2/3 10YR 4/4	Si Lo Si Lo	None
ES. 19	0 - 25 25 - 35	10YR 2/3 10YR 3/6	Si Lo Si Lo	NCM
ES. 22	0 - 20 20 - 30	10YR 2/2 10YR 4/4	Si Lo Si Lo	None
ES. 25	0 - 23 23 - 33	10YR 2/2 10YR 4/4	Si Lo Si Lo	NCM
ES. 28	0 - 20 20 - 30	10YR 2/2 10YR 5/4	Si Lo Si Lo	None
ES. 31	0 - 24 24 - 34	10YR 2/2 10YR 5/4	Si Lo Si Lo	NCM
ES. 34	0 - 30 30 - 40	10YR 2/2 10YR 5/4	Si Lo Si Lo	None
ES. 37	0 - 13 13 - 23	10YR 2/2 10YR 3/4	Si Lo Si Lo	NCM
ES. 40	0 - 15 15 - 25	10YR 2/2 10YR 3/4	Si Lo Si Lo	None
ES. 43	0 - 13 13 - 23	10YR 2/2 10YR 4/3	Si Lo Si Lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB

Date: 10-9-13

Location/Setting: transmission line In woods

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E5. 03	0 - 23 23 - 33	10yr 4/3 10yr 3/6	SaLo SaLo	NCM 10% gravel
E5. 06	0 - 22 22 - 32	10yr 3/1 10yr 3/6	Same	NCM
E5. 09	0 - 20 20 - 30	Same	Same	NCM
E5. 12	0 - 20 20 - 30	Same	Same	NCM
E5. 15	0 - 27 27 - 37	Same	Same	NCM
E5. 18	0 - 27 27 - 37	Same	Same	NCM
E5. 21	0 - 8 8 - 24 24 - 34	10 YR 2/1 10 YR 4/3 10 YR 5/6	Si lo Sa lo Sa lo	NCM
E5. 24	0 - 26 26 - 36	10yr 3/3 10yr 4/6	SaLo SaLo	NCM
E5. 27	0 - 16 16 - 28	10 YR 4/3 10 YR 6/6	Si lo Sa Si	NCM
E5. 30	0 - 22 22 - 32	10yr 3/3 10yr 4/6	SaLo SaLo	NCM
E5. 33	0 - 26 26 - 36	Same	Same	NCM
E5. 36	0 - 29 29 - 43	Same	Same	NCM
E5. 39	0 - 21 21 - 32	10 YR 4/4 10 YR 5/6	Sa lo Sa lo	NCM
E5. 42	0 - 27 27 - 37	Same	Same	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DT, DC

Date: 10/9/13

Location/Setting: Transmission Line

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
ES.47	0-28 28-38	10 YR 4/4 10 YR 5/6	SiLo SiSa	NCM
ES.50	0-19 19-31	10 YR 4/4 10 YR 5/6	SiLo SiSa	NCM
ES.53	0-26 26-36	10 YR 4/4 10 YR 5/6	SiLo SiSa	NCM
ES.56	0-29 28-38	10 YR 4/4 10 YR 5/6	SiLo SiSa	NCM
ES.59	0-28 28-38	10 YR 4/4 10 YR 5/6	SiLo SiSa	NCM
ES.62	0-25 25-35	10 YR 4/4 10 YR 5/6	SiLo SiSa	NCM
ES.65	0-28 28-38	10 YR 4/4 10 YR 5/6	SiLo SiSa	NCM
ES.68	0-12 12-22	10 YR 4/4 10 YR 5/6	SiLo SiSa	NCM
ES.71	0-19 19-29	10 YR 4/4 10 YR 5/6	SiLo SiSa	NCM
ES.74	0-19 19-29	10 YR 4/4 10 YR 5/6	SiLo SiSa	NCM
ES.77	0-15 15-25	10 YR 4/4 10 YR 5/6	SiLo SiSa	NCM
ES.80	0-20 20-30	10 YR 4/4 10 YR 5/6	SiLo SiSa	NCM
ES.83	0-10 10-25 25	10 YR 4/4 10 YR 5/6 —	SaLo SiSa V. lg cobble	NCM
ES.86	0-26 26-33	10 YR 4/4 10 YR 5/6	SiLo SiSa	NCM
ES.89	0-24 24-34	10 YR 4/4 10 YR 5/6	SiLo SiSa	NCM
ES.92	0-10 10-20	10 YR 4/4 10 YR 5/6	SiLo SiSa	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 10-9-13

Location/Setting: In woods Transmission line

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
ES. 45	0-27 27-37	10yr 3/3 10yr 4/6	Sa Lo Sa Lo	NCM
ES. 48	0-23 23-33	10 YR 3/2 10 YR 6/6	Sa lo Sa lo	NCM
ES. 51	0-30 30-40	Same	Same	NCM
ES. 54	0-26 26-36	Same	Same	NCM
ES. 57	0-26 26-36	10yr 3/3 10yr 4/6	Same	NCM
ES. 60	0-29 29-41	Same	Same	NCM
ES. 63	0-21 21-32	10 YR 3/3 10 YR 4/6	Sa lo w/gravel Sa lo	NCM
ES. 66	0-27 27-37	Same	Same	NCM
ES. 69	0-22 22-32	10 YR 3/3 10yr 4/6	Sa lo Sa lo	NCM Roots
ES. 72	0-24 24-34	Same	Same	NCM
ES. 75	0-24 24-34	Same	Same	NCM
ES. 78	0-12 12-30	SAA SAA	SALO SALO	NCM NCM
ES. 81	0-26 26-36	10 YR 3/3 10 YR 4/6	Sa lo Sa lo	NCM
ES. 84	0-23 23-33	Same	Same	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): ES, CE

Project Name: Copenhagen Wind Farm Phase IB Date: 16/9/13

Location/Setting: E5 In Woods

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
ES.46	0-20 20-30	10YR 3/2 10YR 4/4	Si Lo Si Lo	None
really? → ES.49	0-12 12-22	10YR 2/2 10YR 4/4	SiLo SiLo	NCM
ES.52	0-15 15-25	10YR 3/2 10YR 4/4	Si Lo Si Lo	None
ES.55	0-21 21-31	10YR 2/2 10YR 4/4	SiLo SiLo	NCM
ES.58	0-20 20-30	10YR 3/2 10YR 4/4	Si Lo Si Lo	None
ES.61	0-65 65-75	10YR 2/2 10YR 3/4	SiLo SaLo	NCM Chert piece - not worked
ES.64	0-15 15-18	10YR 3/2 10YR 4/4	SiLo SiLo	None Cobble + Root impeded
ES.67	0-15 15-25	10YR 2/2 10YR 4/4	SiLo SiLo	NCM Cobble layer
ES.70	0-44 44-45	10YR 3/2 10YR 4/4	SiLo SiLo	NCM
ES.73	0-25 25-35	10YR 3/3 10YR 4/4	Si Lo Si Sa Lo	None
ES.76	0-10 10-20	10YR 3/3 10YR 4/4	SiLo ClLo	NCM
ES.79	0-15 15-25	10YR 3/3 10YR 4/4	Si Lo Si Lo	None
ES.82	0-19 19-29	10YR 3/3 10YR 4/4	SiLo SiClLo	NCM
ES.85	0-20 20-30	10YR 3/3 10YR 4/3	Si Lo Si Lo	None

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DT, DC

Date: 10/9/13

Location/Setting: Transmission Line

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E3.02	0-20 20-30	10 YR 4/4 10 YR 5/6	Si SLo Si Sa	NCM
E3.05	0-48 Rock impas	10 YR 4/4	Si Lo	NCM Rocks + Roots
E3.08	0-12 12-22	10 YR 4/4 10 YR 5/6	Si Lo Si Sa many cobbles	NCM
E3.14	0-28 28-30 30-40	10 YR 4/4 10 YR 2/1 10 YR 5/6	Sa Lo Si Lo Si Sa	NCM
E5.11	0-13 13-34 34-44	10 YR 2/1 10 YR 4/4 10 YR 6/6	Sa Lo Si Lo Si Sa	NCM
E5.17	0-14 14-25	10 YR 4/4 10 YR 6/6	Si Lo Si Sa	NCM
E3.20	0-25 25-35	10 YR 4/4 10 YR 5/6	Si Lo Si Sa	NCM
E3.23	0-30 30-40	10 YR 4/4 10 YR 5/6	Si Lo Si Sa	NCM
E3.26	0-20 20-30	10 YR 4/4 10 YR 5/4	Si Lo Si Sa	NCM
E5.29	0-20 20-32	10 YR 4/4 10 YR 6/6	Si Lo Sa Lo	NCM
E5.32	0-28 28-38	10 YR 4/4 10 YR 5/5	Si Lo Si Sa	NCM
E5.35	0-25 25-36	10 YR 4/4 10 YR 5/5	Si Lo Si Sa	NCM
E5.38	0-30 30-40	10 YR 4/4 10 YR 5/6	Si Lo Si Sa	NCM
E5.41	0-19 19-29	10 YR 4/4 10 YR 5/6	Si Lo Sa Si	NCM
E5.44	0-20 20-30	10 YR 4/4 10 YR 5/6	Si Lo Sa Si	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB

Date: 10-9-13

Location/Setting: transmission line

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
ES. 87	0-22 22-32	10 yr 4/4 10 yr 5/6	Sa lo Sa lo	NCM
ES. 90	0-27 27-37	10yr 3/1 10yr 4/6	Sa Lo Si Lo	NCM
ES. 93	0-20 20-30	Same	Same	NCM
ES. 96	0-10 10-25	10YR 3/1 10YR 4/6	SAA SAA	MCM MCM
ES. 99	0-24 24-35	10 YR 3/1 10 YR 4/6	Sa lo Si lo	NCM
ES. 102	0-15 15-34	10YR 3/1 10YR 4/6 + 7/2	SA Lo Si SA + SA	MCM MCM
ES. 105	0-8 8-30 30-40	10yr 3/2 10yr 3/6 10yr 4/6	Sa Lo Si Lo Si Lo	NCM
ES. 108	0-12 12-40	10yr 3/2 10yr 4/6	Sa Lo Si Lo	NCM
ES. 111	0-17 17-34	10YR 3/2 10YR 4/6	Sa Lo Si SA	MCM
ES. 114	0-18 18-30	Same	Same	NCM
ES. 117	0-19 19-29	10 YR 3/2 10 YR 4/6	Si Lo Si Sa	NCM
ES. 120	0-16 16-28	10 YR 3/2 10 YR 4/6	Si lo Si Sa	NCM

EOT

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES, CE

Date: 10-9-13

Location/Setting: ES in woods

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
ES.88	0-12 12-24	10YR 2/2 10YR 4/4	SiLo SiClLo	NCM
ES.91	0-20 20-30	10YR 2/2 10YR 4/4	SiLo SiLo	None
ES.94	0-29 29-39	10YR 3/2 10YR 4/4	SiLo SiLo	NCM
ES.97	0-15 15-25	10YR 2/2 10YR 5/6	SiLo SiLo	None
ES.100	0-12 12-22	10YR 2/2 10YR 5/6	SiLo SiLo	NCM
ES.103	0-10 10-18	10YR 2/2 10YR 5/6	SiLo SiLo	None Stopped by Roots
ES.106	0-6 6-16	10YR 3/2 10YR 5/6	SiLo SiClLo	NCM
ES.109	0-7 7-17	10YR 3/2 10YR 5/6	SiLo SiSaLo	None
ES.112	0-12 12-24	10YR 3/2 10YR 6/6	SiLo SiLo	NCM
ES.115	0-14 14-24	10YR 3/2 10YR 4/6	SiLo SiLo	NCM
ES.118	0-17 17-31	10yr 3/2 10yr 4/6	SaLo SiLo	NCM
EOT				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DT, DC

Date: 10/9/13

Location/Setting: Transmission Line

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
ES 95	0-10 10	10 YR 4/4 —	SiLo v. lg. cobble	NCM
ES.98	0-20 20-30	10 YR 4/4 10 YR 5/6	SiLo SiSa	NCM
ES.101	0-12 12-22	10 YR 4/4 10 YR 5/6	SiLo SiSa	NCM
ES.104	0-21 Root	10 YR 4/4	SiLo	NCM Root Impress
ES.107	0-15 15-25	10 YR 4/4 10 YR 5/6	SiLo SiSa	NCM
ES.110	0-19 19-29	10 YR 4/4 10 YR 5/6	SiLo SiSa	NCM.
ES.113	0-25 25-35	10 YR 4/4 10 YR 5/6	SiLo SiSa	NCM
ES.116	0-10 10-20	10 YR 4/4 10 YR 5/6	SiLo SiSa	NCM
ES.119	0-12 12-22	10 YR 4/4 10 YR 5/6	SiLo SiSa	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): PC

Date: 10/9/13

Location/Setting:

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E7.01	0-19 19-32	10 YR 3/2 10 YR 5/6	Sa lo Sa si	Nem
E7.04	0-19 19-29	10 YR 3/2 10 YR 5/6	Sa lo Sa si	Nem
E7.07	0-15 15-25	10YR 3/2 10YR 5/6	Sa lo Si Sa	Nem
E7.10	0-23 23-33	10 YR 3/2 10 YR 5/6	Sa lo Si Sa	Nem

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES, CE

Date: 10-9-13

Location/Setting: E7

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E7.02	0-10 10-20	10YR 3/4 10YR 5/6	Si Lo Si Lo	Ncm
E7.05	0-24 24-34	10YR 3/4 10YR 5/5	Si Lo Si Lo	Ncm
E7.08	0-15 15-20	10 YR 4/4 10 YR 5/6	Si Lo Si Sa v. lg. cobble	Ncm
E7.11	0-20 20-30	10YR 4/4 10YR 5/6	Si Lo Si Lo	NCM
17.13	0-25 25-35	10 YR 4/4 10 YR 5/6	Si Lo Si Lo	Ncm
17.14	0-28 28-38	10YR 4/4 10YR 5/6	Si Lo Si Lo	Ncm
	EOT			

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 10-9-13

Location/Setting: Transmission line thru woods

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E7-03	0-26 26-36	10yr 3/2 10yr 4/6	SaLo SaLo	NC
~~E7.06~~	0-15 15-25	10 YR 3/2 10 YR 5/6	SiLo SaLo	NCH
E7.09	0-23 23-33	Same	Same	NC
E7.12	0-23 23-33	Same	Same	NC
E7.15	0-31 31-42	Same	Same	NCH at corn Field
OT				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES, DT, CE, DB, DC

Date: 10-9-13

Location/Setting: E8

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E8.01	0-25 25-35	10 YR 4/4 10 YR 5/8	SiLo SiSa	NCM
E8.02	0-28 Rock	10 YR 4/4	SiLo w/cobbles	NCM
E8.03	0-31 31-43	10YR 2/1 10YR 4/6	SiLo SiLo	NCM
E8.04	0-25 25-35	10YR 2/1 10YR 5/4	SiLo SiLo	NCM
E8.05	0-24 24-34	10YR 2/1 10YR 5/4	SiLo SiLo	NCM
E8.06	0-18 18-28	10 YR 3/2 10 YR 5/6	SiLo SiSa	NCM
E8.07	0-20 20-30	10YR 3/2 10YR 5/6	SiLo SiSa	NCM
E8.08	0-24 24-34	10 YR 3/2 10YR 5/6	SiLo SiSa	NCM
E8.09	0-37 37-47	Same	Same	NCM
E8.10	0-20 20-30	10 YR 3/2 10 YR 5/6	SiLo SiSa	NCM
E8.11	0-38 38-48	10YR 3/2 10YR 4/4	SiLo SiLo	NCM
E8.12	0-29 29-40	10 YR 3/2 10YR 5/6	SiLo SiLo	NCM
E8.13	0-20 20-30	10YR 3/2 10YR 4/4	SiLo SiLo	NCM
E8.14	0-27 27-37	10YR 2/1 10YR 5/6	SiLo SiCLo	NCM
E8.15	0-27 27-37	10YR 3/2 10YR 4/6	SiLo SiLo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB

Date: 10 9 13

Location/Setting: transmission line

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
B9.01	0-24 24-34	10yr 3/2 10yr 4/6	Silo Silo	NCM
B9.04	0-19 19-30	10yr 3/3 10 yr 5/6	Silo Silo	NCM
B9.07	0-13 13-30	Same	Same	NCM
B9.10	0-16 16-26	10 yr 3/3 10 yr 5/6	Silo Silo	NCM
B9.13	0-12 12-28	Same	Same	NCM
B9.16	0-28 28-38	10yr 3/2 10yr 4/6	Same	NCM 60% gravel shale
B9.19	0-28 28-38	Same	Same	NCM
B9.22	0-19 19-32	10 yr 3/2 10 yr 5/6	Silo Silo	NCM
B9.25	0-13 13-27	Same	Same	NCM
B9.28	0-21 21-31	10 yr 3/2 10 yr 5/6	Silo w/gravel Silo	NCM
~~B9.~~				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DT

Date: 10/9/13

Location/Setting: Transmission Line

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
E9.02	0-15 15-25	10 YR 4/4 10 YR 5/6	SiLo SiSa	NCM
E9.05	0-23 23-34	10 YR 4/4 10 YR 5/6	Si Lo Si Sa	NCM
E9.08	0-15 15-25	10 YR 4/4 10 YR 5/6	SiLo SiSa	NCM
E9.11	0-20 20-30	10 YR 4/4 10 YR 5/6	SiLo SiSa	NCM
E9.14	0-11 11-23	10 YR 4/4 10 YR 5/6	SiLo Si 10	NCM
E9.17	0-18 18-28	10 YR 4/4 10 YR 5/6	SiLo SiSa	NCM
E9.20	0-20 20-30	10 YR 4/4 10 YR 5/6	SiLo w/ gravel SiSa	NCM
E9.23	0-27 27-37	10 YR 4/4 10 YR 5/6	SiLo SiSa	NCM
E9.26	0-10 10-12 12	10 YR 4/4 10 YR 5/6 —	SiLo SiSa v. lg. cobble	NCM
E9.29 EOT	0-21 21-31	Same	Same	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): BS, CF

Date: 10-9-13

Location/Setting: E9

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E9.03	0-20 20-30	10YR 3/3 10YR 5/4	Si Lo Si Lo	None
E9.06	0-20 20-30	10YR 4/3 10YR 5/4	Si Lo Si Lo	NCM
E9.09	0-7 7-20	10YR 3/3 10YR 5/4	Si Lo Si Lo	None
E9.12	0-33 33-43	10YR 3/3 7.5YR 4/5	Si Lo Si Lo	NCM
E9.15	0-20 20-30	10YR 2/3 10YR 6/4	Si Lo Si Lo	None
E9.18	0-26 26-36	10YR 2/3 10YR 6/4	Si Lo Si Lo	NCM
E9.21	0-16 16-17	10YR 3/3 10YR 6/4	Si Lo Si Lo	None Root impeds
E9.24	0-14 14-24	10YR 2/3 10YR 3/4	Si Lo Si Lo	NCM
E9.27	0-10 10-20	10YR 3/3 10YR 3/4	Si Sa Lo Si Sa Lo	None w/cobbles + Gravel
E9.30	0-22 22-32	10YR 2/3 10YR 3/4	Si Lo Si Sa Lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DC

Date: 10/10/13

Location/Setting:

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E10.01	0-21 21-31	10 YR 3/4 10 YR 3/2	Si lo Si lo w/gravel	NCM
E10.04	0-25 25-35	10 YR 3/2 10 YR 5/6	Si lo Si lo w/gravel	NCM
E10.07	0-28 28-38	10 YR 3/2 10 YR 5/6	Si lo Si lo w/gravel	NCM
E10.10	0-26 26-38	10 YR 3/2 10 YR 5/6	Si lo Si lo w/gravels	NCM
E10.13	0-20 20-30	10 YR 3/2 10 YR 5/6	Si lo Si lo w/gravel	NCM
E10.16	0-20 20-25	10 YR 3/2 10 YR 5/6	Si lo Si lo w/gravels	NCM
E10.19	0-19 19-30	10 YR 3/2 10 YR 6/6	Si lo w/gravel Si lo	NCM
E10.22	0-23 Photo Composite	10 YR 3/2	Si lo Si lo w/gravel	NCM
E10.25	0-28 28-38	10 YR 3/2 10 YR 6/6	Si lo w/gravel Si lo	NCM
E10.28	0-26 26-36	10 YR 4/4 10 YR 5/6	Si lo w/gravel Si lo	NCM
E10.31	0-20 20-31	10 YR 3/4 10 YR 5/6	Si lo Si lo w/gravel	NCM
E10.34	0-23 23-34	10 YR 4/4 10 YR 5/6	Si lo Si lo w/gravel	NCM
E10.37	0-27 27-37	10 YR 4/4 10 YR 5/6	Si lo Si lo w/gravel	NCM
E10.40	0-22 22-32	10 YR 3/2 10 YR 5/6	Si lo Si lo w/gravel	NCM
E10.43	0-24 24-35	10 YR 3/2 10 YR 5/6	Si lo Si lo W/ Gravel	NCM
E10.46	0-26 26-37	10 YR 3/2 10 YR 6/6	Si lo w/ gravel Si Lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DT

Date: 10/10/13

Location/Setting: Transmission Line

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E10.02	0-28 28-38	10 YR 3/2 10 YR 5/4	SiLo SiLo	NCM gravels
E10.05	0-30 30-40	10 YR 3/2 10 YR 5/4	SiLo SiLo	NCM " "
E10.08	0-30 30-40	10 YR 3/2 10 YR 5/4	SiLo SiLo	NCM " "
E10.11	0-32 32-42	10 YR 3/2 10 YR 5/4	SiLo SiLo	NCM " "
E10.14	0-28 28-38	10 YR 3/2 10 YR 5/4	SiLo SiLo	NCM " "
E10.17	0-25 25-35	10 YR 3/2 10 YR 5/4	SiLo SiLo	NCM " "
E10.20	0-30 30-40	10 YR 3/2 10 YR 5/4	SiLo SiLo	NCM " "
E10.23	0-26 26-36	10 YR 3/2 10 YR 5/4	SiLo SiLo	NCM " "
E10.26	0-30 30-40	10 YR 3/2 10 YR 5/4	SiLo SiLo	NCM " "
E10.29	0-28 28-38	10 YR 3/2 10 YR 5/4	SiLo SiLo	NCM " "
E10.32	0-30 30-40	10 YR 3/2 10 YR 5/4	SiLo SiLo	NCM " "
E10.35	0-25 25-35	10 YR 3/2 10 YR 5/4	SiLo SiLo	NCM " "
E10.38	0-18 18-28	10 YR 3/2 10 YR 5/4	SiLo SiLo	NCM " "
E10.41	0-30 30-40	10 YR 3/2 10 YR 5/4	SiLo SiLo	NCM " "
E10.44	0-28 28-38	10 YR 3/2 10 YR 5/4	SiLo SiLo	NCM " "
E10.47	0-30 30-40	10 YR 3/2 10 YR 5/4	SiLo SiLo	NCM " "

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): Colin Ely

Project Name: Copenhagen Wind Farm Phase IB Date: 10/10/13

Location/Setting: E10

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E10.03	0-22 22-32	10YR 3/3 10YR 3/4	SiClLo SiLo	NCM cobbles
E10.06	0-20 20-30	10YR 3/3 10YR 3/4	SiClLo SiLo	NCM cobbles
E10.09	0-27 27-37	10YR 3/3 10YR 5/6	SiClLo SiLo	NCM
E10.12	0-28 28-38	10YR 3/3 10YR 5/6	SiClLo SiLo	NCM
E10.15	0-31 31-41	10YR 3/3 10YR 5/5	SiClLo SiLo	NCM
E10.18	0-31	10YR 3/3	SiClLo	NCM - cobble layer @ 31
E10.21	0-25	10YR 3/3	SiClLo	NCM cobble layer at 25 cm
E10.24	0-27 27-37	10YR 3/3 10YR 5/6	SiClLo SiLo	NCM cobble layer
E10.27	0-28 28-38	10YR 3/3 10YR 5/6	SiClLo SiLo	NCM cobble layer
E10.30	0-29 29-39	10YR 3/3 10YR 5/6	SiLo SiClLo	NCM
E10.33	0-22 22-32	10YR 3/3 10YR 4/4	SiLo SiClLo	NCM
E10.36	0-30 30-40	10YR 3/3 10YR 4/6	SiClLo SiLo	NCM
E10.39	0-40 40-50	10YR 3/3 10YR 4/2	SiClLo ClLo	NCM
E10.42	0-33 33-43	10YR 4/2 10YR 5/6	SiLo SiLo	NCM
E10.45	0-30 30-40	10YR 4/2 10YR 4/6	SiLo SiLo	NCM
E10.48	0-55 55-65	10YR 4/2 10YR 2/1	SiLo SiLo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): CE

Date: 10/10/13

Location/Setting: E10

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E 10.51	0-30 30-40	10YR 3/3 10YR 5/6	SiLo SiLo	NCM
E10.54	0-30 30-40	10YR 3/3 10YR 5/6	SiLo SiLo	NCM
E10.57	0-29 29-34	10YR 3/3 10YR 7/2	SiLo SiSaLo	NCM
E10.60	0-30 [redacted] 30-35	10YR 3/3 10YR 6/3	SiLo SiSaLo	NCM cobble layer @ 30-35
E10.63	0-35 35-[redacted]39	10YR 3/4 10YR 5/2	SiLo SiSaLo	NCM cobble layer @ 39
E10 66	0-33 33-43	10 YR 3/4 10 YR 6/6	Si lo SiSa	NCM
E10.69	0-40 40-50	10YR 3/4 10YR 4/6	SiLo SiSa	NCM
E10.72	0-18 18-28	10 YR 3/4 10 YR 4/6	SiLo SiSa	NCM
E10.75	0-22 22-32	10 YR 3/4 10 YR 4/6	SiLo SiSa	NCM
E10.78	0-22 Rock Impossible	10 YR 3/4	SiLo	NCM
E10.81	0-27 27-37	10YR 3/4 10YR 4/7	SiLo SiLo	NCM
E10.84	0-25 25-30	10 YR 3/4 10 YR 4/6	SiLo SiLo	NCM
E10.87	0-27 27-37	10YR 3/4 10YR 5/6	SiLo SiLo	NCM large cobbles
E10.90	0-26 26-36	10 YR 3/4 10 YR 5/6	SiLo SiLo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DT

Date: 10/10/13

Location/Setting: Transmission Line

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E10.50	0-20 20-30	10 YR 3/2 10 YR 5/4	SiLo SiLo	NCM compact gravels
E10.53	0-20 20-30	10 YR 3/2 10 YR 5/4	SiLo SiLo	NCM " "
E10.56	0-18 18	10 YR 3/2 —	SiLo v. ly cobble	NCM " "
E10.59	0-26 26-36	10 YR 3/2 10 YR 5/4	SiLo SiLo	NCM " "
E10.62	0-32 32-42	10 YR 3/2 10 YR 5/4	SiLo SiLo	NCM " "
E10.65	0-35 35-45	10YR 3/2 10YR 5/4	SiLo SiLo	NCM " "
E10.68	0-30 30-40	10 YR 3/2 10 YR 5/4	SiLo SiLo	NCM " "
E10.71	0-20 20-25	10 YR 3/2 10 YR 4/3	SiLo SiLo	NCM " "
E10.74	0-21 [redacted]	10YR 3/2	SiLo	NCM Large cobble @ 21
E10.77	0-30 30-40	10YR 3/2 10YR 4/6	SiLo SiLo	NCM
E10.80	0-26 26-36	10YR 3/2 10YR 4/6	SiLo SiLo	1 pc. whiteware w/ blue
E10.[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
E10.83	0-25 25-35	10 YR 3/2 10 YR 5/4	SiLo SiLo	NCM ly cobble @ 35
E10.86	0-26 26-36	10 YR 3/2 10 YR 5/4	SiLo SiLo	NCM
E10.89	0-22 22-32	10YR 3/2 10YR 2/4 mottled w/ 5/4	SiLo SiLo	NCM - large cobbles

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DC

Date: 10/10/13

Location/Setting: Transmission line

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E10.49	0-27 Rock Impasse	10 YR 3/2	Si lo w/gravel	ncm
E10.52	0-23 23-34	10 YR 3/2 10 YR 5/6	Si lo w/gravel & cobble Si lo w/ gravel & cobbles	ncm
E10.55	0-21 21-24 Rock Impasse	10 YR 3/2 10 YR 5/6	Si lo w/gravel Si lo w/gravel	ncm
E10.58	0-27 27-37	10 YR 4/4 10 YR 6/6	Si lo w/gravel Si lo	ncm
E10.61	0-30 30-40	10 YR 4/4 10 YR 6/6	Si lo w/gravel Si lo	horseshoe ncm
E10.64	0-28 28-38	10 YR 4/4 10 YR 5/4	Si lo w/gravel Si lo	ncm
E10.67	0-21 Rock Impasse	10 YR 3/2	Si lo Si Sa	ncm
E10.70	0-35 35-45	10 YR 4/4 10 YR 6/6	Si lo Si Sa	ncm
E10.73	0-30 30-40	10 YR 4/4 10 YR 6/6	Si lo Si Sa	ncm
E10.76	0-26 26-36	10YR 3/4 10YR 6/6	Si Lo Si Sa	NCM
E10.79	0-26 26-36	10 YR 3/4 10 YR 6/6	Si lo Si Sa	ncm
E10.82	0-23 23-33	10 YR 3/4 10 YR 6/6	Si lo Si Sa	ncm
E10.85	0-23 Rock Impasse	10 YR 4/4	Si lo w/ cobbles	ncm
E10.88	0-20 20-30	10 YR 4/4 10 YR 6/6	Si lo w/cobbles Si Sa	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DC

Date: 10/10/13

Location/Setting: E11 / TR

Shovel Test	Depth CMBS	Soil Color	Soil Texture	Artifacts/Comments
E11.01	0-13 Rock Impasse	10 yr 2/1	Si cl Bedrock	NCM
E11.04	0-20 20-24 Bedrock	10yr 2/1 10yr 5/6	Si cl Si cl	NCM
E11.07	0-14 Bedrock	10 yr 2/1	Si clay/ Si cl	NCM
E11.10	0-24 24-34 Bedrock	10yr 3/2 10yr 6/6	Si cl Si cl	NCM
E11.13	0-25	10YR 3/2	Si cl	NCM BEDROCK @ 25 CMBS
E11.16	0-20 Bedrock	10 yr 3/2	Si cl	NCM Bedrock
E11.19	0-26 26-36	10YR 3/2 10YR 5/6	Si cl Si cl	NCM NCM DENSE COBBLES @ 36 CMBS
E11.22	0-24 24-34	10YR 3/2 10YR 6/6	Si cl Si cl	NCM NCM DENSE GRAVELS @ 32 CMBS
E11.25	0-12 12-30	10YR 2/2 10YR 4/2	Si cl Si cl	NCM - POSSIBLE FILL SOILS MODERN ROAD FILL / ADJ TO CR 162
EOT				

W/IN PROBABLE ROAD SLOPE SUME

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DT

Date: 10/10/13

Location/Setting: Transmission line near County Rd 162

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E.11 . 02	0-30 30-40 40	10 YR 2/1 10 YR 6/6 –	SiLo SiCl Bedrock	NCM
E11. 05	0-15 15	10 YR 2/1 –	SiLo Bedrock	NCM
E11. 08	0-18 18-20 20	10 YR 2/1 10 YR 6/6 –	SiLo SiCl Bedrock	NCM
E11. 11	0-20 20-30 30	10 YR 2/1 10 YR 6/6 –	SiLo SiCl Bedrock	NCM
E11. 14	0-35 35-45	10 YR 2/1 10 YR 6/6	SiLo SiCl	NCM
E11. 17	0-25 25-30	10 YR 2/1 10 YR 6/6	SiLo SiCl	NCM
E11. 20	0-25 25-30	10 YR 2/1 10 YR 5/6	SiLo SiSa 70% gravel	NCM gravels rounded, looks like fill
E11. 23	0-20 20-30	10 YR 2/1 10 YR 5/6	SiLo SiSa 70% gravel	NCM " "
E11. 26	0-18 18-28	10 YR 2/1 10 YR 5/6	SiLo SiSa 70% Gravel	NCM " "

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Colin Foley

Date: 10/10/13

Location/Setting: E11

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E11.03	0-52 BR	10YR 2/1	SiCl Lo	NCM BR @ 52
E11.06	0-26 26-36	10YR 2/1 10YR 4/3	SiClLo Cl Lo	NCM
E11.09	0-28 28-Cobble layer	10YR 2/1	SiClLo	NCM Hard packed cobble layer @ 28 cm
E11.12	0-29 BR	10YR 2/1	SiCl Lo	NCM
E11.15	0-24 24-34-	10YR 2/1 10YR 5/7	SiClLo Clay	NCM
E11.18	0-25 BR	10YR 2/1	SiClLo	NCM BR@25
E11.21	0-30 30-40	10YR 3/1 10YR 4/2	SiClLo SaCLLo	NCM
E11.24	0-29 29-cobbles	10YR 3/1	SaCl Lo	NCM
E11.27	0-31	10YR 3/1	Clay Loam	NCM Disturbed Roadside fill

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES

Date: 10-15-13

Location/Setting: E12

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E12.01	0-29 29-39	10YR 3/4 10YR 5/7	SiClLo SiClLo	NCM
E12.04	0-35 35-45	10YR 3/4 10YR 5/7	SiClLo SiClLo	NCM
E12.07	0-30 30-40	10YR 3/4 10YR 5/7, 3/4	SiClLo SiClLo	NCM
E12.10	0-28 28-38	10YR 3/4 10YR 5/6	SiClLo SiClLo	NCM
E12.13	0-28 28-38	10YR 3/4 10YR 5/6	SiClLo SiClLo	NCM
E12.16	0-25 25-35	10YR 3/4 10YR 3/4 + 5/6	SiClLo SiClLo	NCM
E12.19	0-28 28-38	10YR 3/4 10YR 3/4 + 5/6	SiClLo SiClLo	NCM
E12.22	0-26 26-36	10YR 3/4 10YR 3/4 + 5/6	SiClLo SiClLo	NCM
E12.25	0-27 27-37	10YR 3/4 10YR 5/6	SiClLo SiClLo	NCM
E12.28	0-28 28-38	10YR 3/4 10YR 5/6	SiClLo SiClLo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DC

Date: 10/15/13

Location/Setting: E 12 Transmission

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E12.02	0-29 29-39	10 yr 4/4 10 yr 6/6	Sa lo Sa lo	None
E12.05	0-31 31-41	10 yr 4/4 10 yr 6/6	Sa lo Sa lo	None
E12.08	0-35 35-45	10yr 4/4 10yr 5/6	Sa lo Sa lo	None
E12.11	0-31 31-41	10 yr 4/4 10 yr 5/6	Sa lo Sa lo	none
E12.14	0-34 34-44	10 yr 4/4 10 yr 5/6	Sa lo Sa lo	None
E12.17	0-21 21-31	10 yr 4/4 10 yr 5/6	Sa lo Sa lo	None
E12.20	0-23 23-33	10 yr 4/4 10 yr 6/6	Sa lo Sa lo	None
E12.23	0-25 25-35	10yr 4/4 10yr 6/6	Si lo Si lo	None
E12.26	0-36 36-46	10 yr 4/4 10 yr 6/6	Si lo Si lo	None
E12.29	0-34 34-44	10 yr 4/4 10 yr 6/6	Si lo Si lo	None

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB

Date: 10-15-13

Location/Setting: transmission line open pasture

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E12.03	0-38 38-48	10yr 3/2 10yr 5/6	CLLO SiLO	NW
E12.06	0-37 37-47	Same	SiLO SiLO	NW
E12.09	0-37 37-47	Same	Same	NW
E12.12	0-35 35-45	10yr 3/2 10yr 4/4	SiLO SiLO	NW
E12.15	0-39 39-51	10yr 3/2 10yr 5/4	SiLO SiLO	NW
E12.18	0-42 42-52	10yr 3/2 10yr 4/4	SaLO SaLO	NW
E12.21	0-32 32-42	Same	Same	NW
E12.24	0-41 41-51	Same	Same	NW
E12.27	0-36 36-46	SAA SAA	SAA SAA	NOM NOM
E12.30	0-35 35-45	10yr 3/2 10yr 5/6	SiLO SiLO	NW
EOT				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 10-15-13

Location/Setting: transmission line next Field

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E13.33	0-27 27-37	10yr 3/3 10yr 5/6	SaLo SaLo	NM
E13.36	0-26 26-36	Same	Same	NM
E13.39	0-20 20-30	10yR 3/2 10yR 5/6	SaLo SaLo	NM
E13.42	0-23 23-33	10yr 3/2 10yr 4/6	Same	NM
E13.45	0-23 23-33	Same	Same	NM
E13.48	0-23 23-33	Same	Same	NM
E13.51	0-28 28-38	10YR 3/2 10YR 5/6	SaLo SaLo	NM NM
E13.54	0-28 28-38	Same	Same	NM
E13.57	0-25 25-35	10yR 4/4 10yR 5/6	SaLo SaLo	NM
E13.60	0-25 25-35	10yr 3/3 10yr 5/6	Same	NM
BOT				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DC

Date: 10/15/13

Location/Setting: E13. Transmission

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E13.50	0-20 20-30	10YR 4/4 10YR 8/7	Si Lo Si Lo	none
E13.53	0-19 19-29	10 YR 4/4 10 YR 6/6	Si lo Si lo	none
E13.56	0-24 24-34	10 YR 4/4 10 YR 6/6	Si lo Si lo	none
E13.59	0-23 23-33	10 YR 4/4 10 YR 6/6	Si lo Si lo	

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DC

Date: 10/15/13

Location/Setting: E13 Transmission

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E13.02	0-21	10 YR 4/4	Sa lo	NCM
	21-31	10 YR 6/6	Sa lo	
E13.05	0-24	10 YR 4/4	Sa lo	NCM
	24-35	10 YR 6/6	Sa lo	
E13.08	0-25	10 YR 4/4	Sa lo	NCM
	25-36	10 YR 6/6	Sa lo	
E13.11	0-27	10 YR 4/4	Sa lo	
	27-37	10 YR 6/6	Sa lo	
E13.14	0-25	10YR 4/4	Sa lo	NCM
	25-35	10YR 6/6	Sa lo	
E13.17	0-24	10 YR 4/4	Sa lo	NCM
	24-36	10 YR 6/6	Sa lo	
E13.20	0-19	10 YR 4/4	Sa lo	NCM
	19-29	10 YR 6/6	Sa lo	
E13.23	0-23	10 YR 4/4	Sa lo	NCM
	23-34	10 YR 6/6	Sa lo trenpit	
E13.26	0-27	10 YR 4/4	Sa lo	NCM
	27-37	10 YR 6/6	Sa lo	
E13.29	0-29	10YR 4/4	Sa lo	NCM
	29-39	10YR 6/6	Sa lo	NCM
E13.32	0-27	10 YR 4/4	Sa lo	NCM
	27-37	10 YR 6/6	Sa lo	
E13.35	0-21	10 YR 4/4	Sa lo w/cobbles	NCM
	21-31	10 YR 6/6	Sa lo	
E13.38	0-20	10 YR 4/4	Sa lo	
	20-30	10 YR 6/6	Sa lo	
E13.41	0-26	10 YR 4/4	Sa lo	NCM
	26-36	10 YR 6/6	Sa lo	
E13.44	0-20	10 YR 4/4	Sa lo	NCM
	20-30	10 YR 6/6	Sa lo	
E13.47	0-23	10 YR 4/4	Sa lo	NCM
	23-33	10 YR 6/6	Sa lo	

Topo & Bottom

Fields

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): CG

Date: 10-15-13

Location/Setting: E13

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E13.01	0-26 26-36	10YR 4/4 10YR 5/7	SiLo SiClLo	Ncm
E13.04	0-30 30-40	10YR 4/4 10YR 5/7	SiLo SiLo	Ncm
E13.07	0-36 36-46	10YR 4/4 10YR 5/7	SiLo SiClLo	Ncm
E13.10	0-33 33-43	10YR 4/6 7.5YR 4/7	SiLo SiLo	Ncm
E13.13	0-29 29-39	10YR 4/6 7.5YR 4/7	SiLo SiLo	Ncm
E13.16	0-25 25-35	10YR 4/4 10YR 4/6	SiLo SiLo	Ncm
E13.19	0-28 28-38	10YR 4/6 10YR 6/6	SiL SiCl	NCM NCM
E13.22	0-26 26-36	10YR 4/6 10YR 6/6	SiLo SiCl	Ncm
E13.25	0-29 29-39	10YR 4/6 10YR 7/6	SiLo SiCl	Ncm
E13.28	0-25 25-35	10YR 4/6 10YR 4/6	SiLo SiLo	Ncm
NEW SECTION				
E13.31	0-28 28-38	10YR 4/4 10YR 4/7	SiLo SiCl	
E13.34	0-25	10YR 4/4	SiLo	stopped by cobbles Ncm
E13.37	0-25 25-35	10YR 4/4 10YR 5/6	SiLo SiCl	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB

Date: 10-15-13

Location/Setting: transmission line open pasture rolling hills

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E13.03	0-33 33-43	10yr 3/3 10yr 4/6	SALO SALO	NCM
E13.06	0-30 30-40	10YR 3/3 10YR 4/6	Si LO Si LO	NCM
E13.09	0-30 30-40	10yr 3/3 10yr 5/8	SiLO SiLO	NCM
E13.12	0-30 30-40	same	same	NCM
E13.15	0-33 33-43	10yr 3/3 10yr 4/6	SaLO SaLO	NCM
E13.18	0-30 30-40	10yr 3/3 10yr 5/8	Same	NCM
E13.21	0-26 26-36	10yr 3/2 10yr 6/3	Same	NCM
E13.24	0-25 25-35	10yr 3/2 10YR 5/4	Si LO Si LO	NCM
E13.27	0-27 27-37	10YR 3/2 10YR 6/4	SiLO SiCl	NCM NCM
E13.30	0-26 26-36	Same	Same	Same
30				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): CEW

Date: 10/13/13

Location/Setting:

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E13.40	0-27 27-37	10YR 4/4 10YR 5/6	SiLo SiLo	NCM
E13.43	0-25 25-35	10YR 4/4 10YR 5/6	SiLo SiLo	NCM
E13.46	0-22 22-32	10YR 4/4 10YR 5/6	SiLo SiLo	NCM
E13.49	0-21 21-31	10YR 4/4 10YR 5/6	SiLo SiLo	NCM
E13.52	0-31 31-40	10YR 4/4 10YR 5/6	SiLo SiCl	MCM MCM
E13.55	0-27 27-37	10YR 4/4 10YR 5/6	SiLo SiCl	MCM MCM
E13.58	0-26 26-36	10YR 4/4 10YR 5/6	SiLo SiCl	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB

Date: 10-15-13

Location/Setting: Transmission line lower field

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
EM. 42	0-33 33-43	10yr 3/2 10yr 4/6	SISA SISA	NC
EM. 45	0 - 31 31 - 41	10YR 3/2 10YR 5/4	SISA SISA	MCM MCM
EM. 48	0 - 30 30-40	Same	Same	NC
EM. 51	0-30 30-40	Same	Same	NC
EM. 54	0-33 33-43	Same	CLLa CLLa	NC
EM. 57	0-33 33-43	Same	Same	NC
EM. 60	0-33 33-43	Same	Same	NC

EOT

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DC

Date: 10/15/13

Location/Setting: E14, Transmissions

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E14.50	0-23 23-33	10 YR 3/2 10 YR 5/6	Si L Si L	non
E14.53	0-25 25-37	10 YR 3/2 10 YR 5/6	Si L Si L	non
E14.58	0-29 29-39	10 YR 3/2 10 YR 5/6	Si L Si L	non
E14.59	0-33 33-43	10 YR 3/2 10 YR 5/6	Si L Si L	non

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES

Date: 10-15-13

Location/Setting: E14

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E14.37	0-27 27-37	10YR 4/3 10YR 5/6	SiLo SiCLLo	NCM
E14.40	0-25 25-35	10YR 3/4 10YR 5/6	SiLo SiLo	None
E14.43	0-25 25-34	10YR 4/3 10YR 5/4	SiLo SiLo	None
E14:46	0-26 26-36	10YR 4/3 10YR 5/3	SiLo SiLo	NCM
E14.49	0-27 —	10YR 4/3 —	SiLo —	None stopped by Cobbles
E14.52	0-29 29-39	10YR 4/3 10YR 5/4	SiLo SiLo	NCM
E14.55	0-45 45-55	10YR 4/3 10YR 5/7	SiSaLo SaLo	None
E14.58	0-28 28-38	10YR 4/3 10YR 5/7	SiSaLo SaLo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 10-15-13

Location/Setting: Transmission line Open field Low land

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E14.03	0-31 31-41	10yr 3/2 10yr 5/6	sclo sa lo	NCM
E14.06	0-27 27-37	same	same	NCM
E14.09	0-26 26-36	same	same	NCM
E14.12	0-26 26-36	same	same	NCM
E14.15	0-26 26-36	same	same	NCM
E14.18	0-26 26-36	same	same	NCM
E14.21	0-26 26-36	same	same	NCM
E14.24	0-29 29-39	same	same	NCM
E14.27	0-30 30-40	same	same	NCM
E14.30	0-28 28-38	same	same	NCM
E14.33	0-30 30-40	same	same	NCM
E14.36	0-24 24-34	same	same	NCM
E14.39	0-29 29-39	same	same	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DC

Date: 10/15/13

Location/Setting: E14 Transmission

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E14.02	0-25 25-35	10 YR 4/4 10 YR 6/6	Si lo Si lo	NCM
E14.05	0-26 26-36	10YR 4/4 10YR 3/2, 5/7	Si Lo Si Lo	1pc. Cast Iron ag. related artifact, broken, did not bag
E14.08	0-23 23-33	10 YR 4/4 10 YR 5/6	Si lo Si lo	NCM
E14.11	0-24 24-34	10 YR 4/4 10 YR 5/6	Si lo Si lo	NCM
E14.14	0-23 23-33	10 YR 3/2 10 YR 6/6	Si lo Si lo	NCM
E14.17	0-22 22-29 Rock Impasse	10 YR 3/2 10 YR 6/6	Si lo Si lo	NCM Rock Impasse 29 cmbs
E14.20	0-23 Rock Impasse	10 YR 3/2	Si lo w/ cobble	NCM
E14.23	0-20 20-31	10 YR 3/2 10 YR 6/6	Si lo Si lo	NCM
E14.26	0-24 24-34	10 YR 3/2 10 YR 6/6	Si lo Si lo	NCM
E14.29	0-26 26-36	10 YR 3/2 10 YR 6/6	Si lo Si lo	NCM
E14.32	0-35 35-45	10 YR 3/2 7.5 YR 5/8	Si lo Si lo	NCM
E14.35	0-30 30-40	10 YR 3/2 10 YR 3/2	SiLo Si lo	NCM NCM
E14.38	0-33 33-43	7.5 YR 5/6 10 YR 3/2	Si lo Si lo	NCM
E14.41	0-27 27-37	10 YR 6/6 10YR 3/2 10YR 6/6	Si lo Si Lo Si Lo	NCM
E14.44	0-23 23-33	10 YR 3/2 10 YR 6/6	Si lo Si lo	NCM
E14.47	0-28 28-38	10 YR 3/2 10YR 6/5	Si Lo Si Lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): BS

Date: 10-15-13

Location/Setting: E14 Pasture

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E14.01	0-25 25-35	10YR 3/4 10YR 5/6	Si Cl Lo Si Cl Lo	NCM
E14.04	0-23 23-33	10YR 3/4 10YR 5/6	Si Cl Lo Si Cl Lo	NCM
E14.07	0-24 24-34	10YR 3/4 10YR 5/6	Si Cl Lo Si Cl Lo	NCM
E14.10	0-23 23-33	10YR 3/4 10YR 5/6	Si Cl Lo Sa Si Lo	NCM
E14.13	0-30 30-40	10YR 3/4 10YR 5/6 + 3/4	Si Lo Si Cl Lo	NCM
E14.16	0-25 25-35	10YR 3/4 10YR 3/4 + 5/6	Si Lo Si Cl Lo	NCM
E14.19	0-24 24-34	10YR 3/4 10YR 5/6	Si Lo Si Cl Lo	NCM
E14.22	0-25 25-35	10YR 3/4 10YR 5/6	Si Lo Si Cl Lo	NCM
E14.25	0-25 —	10YR 3/4 —	Si Lo —	NCM Stopped by Rock
E14.28	0-25 25-35	10YR 3/4 10YR 5/6	Si Lo Si Cl Lo	NCM
E14.31	0-34 34-44	10YR 3/4 10YR 5/5	Si Lo Si Cl Lo	NCM
E14.34	0-25 25-35	10YR 3/4 10YR 5/6	Si Lo Si Cl Lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB

Date: 10-16-13

Location/Setting: transmission line open field near wetland

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E15-03	0-33 33-43	10yr 4/2 7.5yr 5/8	cl lo cl lo	NCM 60% gravel + decomp. bedrock
E15.06	0-36 36-46	10YR 4/2 10YR 5/2	Cl lo Cl lo	NCM
E15.09	0-26	10yr 4/2	cl lo	NCM rock impasse 60% gravel + decomp. bedrock
E15.12	0-34	10yr 4/2	cl lo	NCM ↓ ↓ Same For both
E15.15	0-29 29-39	10YR 4/2 10YR 4/3	Cl lo Sa Cl lo	NCM
E15.18	0-33 33-43	10yr 3/2 7.5yr 4/6	Sa lo Sa lo	NCM 10% gravel + decomp. b.r.
E15.21	0-33 33-43	Same	Same	NCM ↓ Same
E15.24	0-35 35-45	Same	Same	NCM
E15.27	0-36 36-46	Same	Same	NCM
E15.30	0-38 38-48	Same	Same	NCM
BOT				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DC

Date: 10/16/13

Location/Setting:

E15. Transmission

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E15.02	0-30	10 YR 4/4	Si lo	Non
	30-40	10 YR 6/6	Si lo	
E15.05	0-31	10 YR 4/4	Si lo	Non
	31-41	10 YR 5/6	Si lo	
E15.08	0-40	10 YR 4/4	Si lo	Non
	40-50	10 YR 5/6	Si lo Compact	
E15.11	0-33	10 YR 4/4	Si lo	Non
	33-44	10 YR 5/6	Si lo Compact	
E15.14	0-40	10 YR 4/3	Si lo	
	40-50	10 YR 5/6	Si lo compact	Non
E15.17	0-29	10YR 4/3	Si Lo	NCM
	29-39	10YR 4/4	Si Sa Lo	
E15.20	0-36	10 YR 4/3	Si lo	Non
	36-46	10 YR 5/6	Si lo	
E15.23	0-35	10 YR 4/4	Si lo	Non
	35-45	10 YR 6/6	Si lo	
E15.26	0-30	10 YR 4/3	Si lo w/gravel	Non
	30-40	10 YR 4/4	Si lo w/gravel	
E15.29	0-26	10 YR 4/4	Si lo	Non
	26-36	10 YR 5/6	Sa lo	

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): ES

Project Name: Copenhagen Wind Farm Phase IB Date: 10-16-13

Location/Setting: E15 field near wetland

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E15.01	0-25 25-35	10YR 3/4 10YR 3/4 + 5/7	Sa Lo Sa Lo + gravel.	NCM
E15.04	0-31 31-41	10YR 3/3 10YR 3/4 + 5/7	Sa Lo Sa Lo + gravel	NCM
E15.07	0-27 27-37	10YR 3/3 10YR 3/3 + 5/6	Sa Lo Sa Lo + Gravel	NCM
E15.10	0-30 30-40	10YR 3/3 10YR 4/6	Sa Lo Sa Lo + Gravel	NCM
E15.13	0-25 25-35	10YR 3/4 10YR 5/6 + 3/4	Sa Lo Sa Lo + Gravel	NCM
E15.16	0-25 25-35	10YR 4/4 10YR 5/6 + 3/4	Sa Cl Lo Sa Lo + Gravel	NCM
E15.19	0-31 31-41	10YR 4/3 7.5YR 5/6	Sa Cl Lo Sa Lo	NCM
E15.22	0-30 30-40	10YR 4/4 7.5YR 4/6	Sa Cl Lo Sa Lo w/gravel	NCM
E15.25	0-30 30-40	10YR 4/4 10YR 3/4 + 5/4	Sa Lo Sa Cl Lo w/gravel	NCM
E15.28	0-20 20-30	10YR 3/4 10YR 5/6	Sa Lo Sa Lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB

Date: 10-16-13

Location/Setting: Woods - trans: line

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E16.01	0-33 33-43	10yr 3/2 10yr 4/6	CLLO CLLO	NCM SOME gravel decomp. shale bedrock
E16.04	0-30 30-40	Same	Same	NCM
E16.07	0-24 24-39	Same	Same	NCM
E16.10	0-28 28-31	Same	Same	NCM (65) bedrock @ 31cm
E16.13	0-31 31-41	Same	SILO SILO	NCM
E16.16	0-33 33-43	Same	Same	NCM
E16-19	0-29 29-39	Same	Same	NCM
E16.22	0-30 30-40	Same	Same	NCM
E16 25	0-30 30-40	Same	Same	NCM
E16 28	0-24 24-34	SAME	SAME	NCM
BOT				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB

Date: 10-16-13

Location/Setting: transmission line

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
SH6.37	0-30 30-40	10yr 3/3 10yr 5/6	Silt Silt	none
SH6.40	0-27 27-37	Same	Same	none
SH6.43	0-40	10yr 3/2	Silt	None Rock impasse
SH6.46	0-40 40-50	10yr 3/2 10yr 3/6	Silt	n
SH6.49	0-27 27-37	10yr 3/3 10yr 5/6	Silt	None
SH6.52	0-36 36-46	Same	Same	None
SH6.55	0-30 30-40	Same	Same	None
SH6.58	0-34 34-44	Same	Same	None
57				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES

Date: 10-16-13

Location/Setting: E16

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E16.03	0-22	10YR 3/4	Sa Lo	Ncm Stopped by Rock
E16.06	0-27 27-31	10YR 3/4 10YR 3/7	Sa Lo Sa Cl Lo	ncm
E16.09	0-15 15-25	10YR 3/4 10YR 5/4	Si Lo Si Lo	Ncm
E16.12	0-20 20-30	10YR 3/4 10YR 5/4	Si Lo Si Lo	ncm ncm
E16.15	0-26 26-36	10YR 3/4 10YR 5/4	Si Lo Sa Cl Lo	Ncm
E16.18	0-20 20-30	10YR 3/4 10YR 5/4	Si Lo Sa Cl Lo	Ncm
E16.21	0-20 20-30	10YR 3/4 10YR 5/4	Si Lo Sa Cl Lo	Ncm
E16.24	0-9 9-19	10YR 3/4 10YR 5/6	Si Lo Sa Cl Lo	ncm
E16.27	0-15 15-25	10YR 3/3 10YR 5/6	Si Lo Si Lo	Ncm
E16.30	0-32 32-42	10YR 3/3 10YR 5/6	Si Lo Si Lo	Ncm

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DC

Date: 10/16/13

Location/Setting:

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E16.05	0-30 30-40	10YR 3/3 10YR 7/2	cl lo sa cl lo	NCM
E16.02	0-36 36-46	10 YR 3/3 10 YR 7/2	cl lo sa cl lo	NCM
E16.08	0-26 Rock Impact	10 YR 3/3	cl lo	NCM Rock Impose 26 cmbs
E16.11	0-27 27-37	10 YR 3/3 10 YR 7/2	cl lo sa cl lo	NCM
E16.14	0-29 29-39	10 YR 3/3 10 YR 7/2	cl lo sa cl lo	NCM
E16.17	0-22 22-32	10 YR 3/3 10 YR 7/2	cl lo cl lo	NCM
E16.20	0-24 24-34	10 YR 3/3 10 YR 7/2	cl lo cl lo	NCM
E16.23	0-10 10-20	10 YR 3/3 10 YR 7/3	cl lo sa cl lo	NCM
E16.26	0-15 Rock Impose	10 YR 3/3 [illegible]	cl lo	NCM Rock Impose 15 cmbs
E16.29	0-15 15-25	10 YR 3/3 10 YR 7/3	cl lo sa cl lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): E8

Date: 10-16-13

Location/Setting: E17

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E17.02	0-23 23-33	10yr 3/4 10yr 5/6	Si Cl Lo Si Lo	None
E17.05	0-20 20-30	10yr 4/4 10yr 4/6	Si Cl Lo Si Cl Lo	None
E17.08	0-26 26-36	10YR 4/4 10YR 4/6	Si Cl Lo Si Cl Lo	None
E17.11	0-20 20-36	10YR 4/4 10YR 4/6	Si Cl Lo Si Cl Lo	None
E17.14	0-20 20-30	10YR 4/4 10YR 5/6	Si Cl Lo Si Cl Lo	None
E17.17	0-27 27-37	Same	Same	None
E17.20	0-24 24-34	Same	Same	None
E17.23	0-32 32-42	Same	Same	None
E17.26	0-15 15-30	Same	Same	None
E17.29	0-27 27-37	Same	Same	None
E17.32	0-25 25-35	10yR 4/4 10yR 4/6	Si Cl Lo Si Cl Lo	None

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB

Date: 10-16-13

Location/Setting: trans line E17

E17

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E16. 08 01	0-27 27-37	10yr 3/2 10yr 6/4	Silo Silo	NCM
E16. 04	0-27 27-37	Same	Same	NCM
E16. 07	0-34 34-41	10yr 3/3 10yr 3/6	Silo silo	NCM
E16. 10 10.	0-26	10yr 3/3	Silo	NCM boulder impasse
E16. 13	0-26 26-36	10yr 3/3 7.5yr 3/4	Silo Silo	NCM
E16. 16	0-27 27-37	Same	Same	NCM
E16. 19	0-27	10yr 3/3	Silo	NCM rock impass
E16. 22	0-27 27-37	10yr 3/3 10yr 5/4	Silo silo	NCM
E16. 25	0-27 27-37	Same	Same	NCM
E16. 28	0-30 30-40	Same	Same	NCM
E16. 31	0-30 30-40	10YR 3/3 10YR 4/4	Sem	NCM
E16. 34	0-31 31-41	Same	Same	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DC

Date: 10/16/13

Location/Setting:

E17. Transmission

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E17.03	0-24 24-34	10 YR 3/4 10 YR 5/6	si lo cl lo	NCM
E17.06	0-38 38-48	10YR 3/4 10YR 5/6	si lo cl lo	NCM
E17.09	0-04 24-31 Rock Impasse	10 YR 3/4 10 YR 5/6	si lo cl lo	NCM Rock Impasse 31 cmbs
E17.12	0-24 24-34	10 YR 3/4 10 YR 5/6	si lo cl lo	NCM
E17.15	0-30 30-40	10YR 4/4 10YR 5/6	si lo si cl lo	NCM
E17.18	0-20 20-30	10 YR 4/4 10 YR 5/6	si lo si cl lo	Styrofoam NCM
E17.21	0-26 26-36	10 YR 4/4 10 YR 5/6	si lo si lo	NCM
E17.24	0-23 23-33	10 YR 4/4 10 YR 5/6	si lo si lo	NCM
E17.27	0-26 26-36	10 YR 4/4 10 YR 5/6	si lo si lo	NCM
E17.30	0-22 Rock Impasse	10 YR 4/4	si lo	NCM Rock Impasse 22 cmbs
E17.33	0-23 Rock Impasse	10 YR 4/4	si lo	NCM Rock Impasse 23 cmbs
E17.36	0-24 24-34	10 YR 4/4 10 YR 6/6	si lo si lo	NCM
E17.39	0-23 23-33	10 YR 4/4 10 YR 6/6	si lo si lo	NCM
E17.42	0-21 21-31	10 YR 4/4 10 YR 5/6	si lo si cl	NCM
E17.45	0-35 Rock Impasse	10 YR 4/4	si cl	NCM
E17.48	0-30 30-40	10 YR 4/4 10 YR 5/6	si cl si cl	NCM
E17.51	0-21 Rock Impasse	10 YR 4/4	si cl	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES

Date: 10-16-13

Location/Setting: E17

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E17.35	0-28 28-38	10YR 4/4 10YR 5/6	SiLo ClLo	NCM
E17.38	0-20 20-30	10YR 4/4 10YR 4/6	SiLo SiLo	NCM
E17.41	0-28 28-38	10YR 4/4 10YR 5/6	SiLo SiLo	NCM
E17.44	0-60	10YR 3/2	SiLo	Many stopped by cobbles
E17.47	0-58 58-68	10YR 3/2 10YR 6/6	SiLo SiClLo	NCM
E17.50	0-40 40-50	10YR 3/2 10YR 3/4	SiLo SiLo	NCM.
E17.53	0-32 32-42	10YR 3/2 10YR 5/6	SiLo SiSaLo	NCM
E17.56	0-32 32-42	10YR 3/3 10YR 5/4	SiLo SiSa	NCM NCM
E17.59	0-29 29-39	10YR 3/3 10YR 5/4	SiLo SiSa	NCM

draw a line to separate shovel tests

12012

Excavator(s): DC

me: Copenhagen Wind Farm Phase IB

Date: 10/16/13

Location/Setting: E17.

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E17.54	0-34 34-44	10 YR 4/4 10 YR 5/6	si cl si cl	None
E17.57	0-34 Rock Dispersa	10 YR 4/4	si cl	None
E17.60	0-20 20-30	10 YR 4/4 10 YR 5/6	si cl si cl	None

draw a line to separate shovel tests

ld Record Sheet

12 Excavator(s): DB

enhagen Wind Farm Phase IB Date: 10-17-~~18~~ 13

Location/Setting: Woods Collection Station

Shovel Test	Depth cmbs	Soil Color	Soil Texture	Artifacts/Comments
E18.01	0-27 27-37	10yr 3/2 10yr 4/6	Silo Silo	NC
E18.02	0-26 26-36	Same	Same	NC
E18.03	0-27 27-37	Same	Same	NC
E18.04	0-27 27-37	Same	Same	NC
E18.05	0-28 28-34	SAME	SAME	MCM MCM REPUSH @ BOULDER
E18.06	0-25 25-30	Same	Same	NC
E18.07	0-33 33-43	Same	Same	NC
EOT				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): RJH

Date: OCT 17, 2013

Location/Setting: E18 - COLLECTION STATION - KIEBACH PROPERTY - CRAB APPLES/HAWTHORNE

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E18.08	0-35cm 35-52cm	10yR 4/3 ~~si lo~~ 10yR 5/4 ~~si lo~~	si lo si lo	Ncm Ncm
E18.09	0-18 18-45cm	10yR 4/3 10yR 5/6	si lo Rocky si lo	Ncm Ncm
E18.10	0-21 21-45cm	10yR 4/3 10yR 5/6	si lo si lo	Ncm Ncm
E18.11	0-17 17-50	10yR 4/3 10yR 5/6	si lo si lo	Ncm Ncm
E18.12	0-23 23-55	10yR 4/3 10yR 5/6	si lo si lo	Ncm Ncm
E18.13	0-18 18-48	10 yR 4/3 10yR 5/6	si lo si lo	Ncm Ncm
E18.14	0-20 20-45cm	10yR 4/3 10yR 5/6	si lo si lo	Ncm Ncm

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Colin Ely

Date:

Location/Setting: E18 in wooded area

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E18. 15	0-32 32-42	10YR 2/1 10YR 5/6	SiClLo SiSaLo	NCM
E18. 16	0-33 33-43	10YR 2/1 10YR 5/6	SiClLo SiSaLo	NCM
E18. 17	0-35 35-45	10YR 2/1 10YR 5/6	SiClLo SiSaLo	NCM
E18. 18	0-32 32-42	10YR 3/3 10YR 5/6	SiClLo SiSaLo	NCM
E18. 19	0-28 28-38	10YR 3/3 10YR 5/6	SiClLo SiSaLo	NCM
E18. 20	0-40	10YR 3/4	SiClLo	NCM stopped by roots @ 40 cm
E18. 21	0-26 26-36	10YR 4/4 10YR 6/7	SiClLo SiSaLo	NCM

draw a line to separate shovel tests

vey Field Record Sheet

12012

Copenhagen Wind Farm Phase IB

Excavator(s): DC

Date: 10/11/13

Location/Setting:

E18

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E18.22	0-19	10 yr 3/4	Si lo	NCM
	19-29	10 yr 5/6	Si lo	
E18.23	0-20	10 yr 3/4	Si lo	NCM
	20-30	10 yr 5/6	Si lo	
E18.24	0-29	10 yr 4/4	Si lo	NCM
	29-38	10 yr 5/6	Si lo	Rock Impasse 38 cmbs
E18.25	0-20	10 yr 4/4	Si lo	NCM
	20-28 Rock Impasse	10 yr 5/6	Si lo	
E18.26	0-22	10 yr 4/4	Si lo	Rock Impasse 28 cmbs
	22-33	10 yr 5/6	Si lo	NCM
E18.27	0-22	10 yr 4/4	Si lo	NCM
	22-32	10 yr 5/6	Si lo	
E18.28	0-24	10 yr 4/4	Si lo	NCM
	24-34	10 yr 6/6	Si lo	
E18.29	0-21	10 yr 4/4	Si lo	NCM
	21-31	10 yr 6/6	Si lo	
E18.30	0-21	10 yr 4/4	Si lo	NCM
	21-31	10 yr 6/6	Si lo	
E18.31	0-29	10 yr 4/4	Si lo	NCM
E18.32	0-19	10 yr 4/4	Si lo	NCM REFUSAL @ DENSE ROOTS
	19-29	10 yr 6/6	Si lo	
E18.33	0-44	10YR 3/2	Si lo	NCM
	44-54	10YR 6/6	Si Lo	
E18.34	0-33	10 yr 3/2	Si Sc Lo	NCM
	33-43	10 yr 6/6	Si lo	
E18.35	0-25	10YR 4/3	Si lo	NCM
	25-45	10YR 5/6	Si Lo	NCM

draw a line to separate shovel tests

ey Field Record Sheet

12012 — Excavator(s): ES

ne: Copenhagen Wind Farm Phase IB — Date: 10-17-13

Location/Setting: E18

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E18.36	0-20 20-30	10YR 3/3 10YR 5/4	Si Lo Si Lo	None
E18.37	0-26 26-36	10yr 4/2 10yr 5/6	Si Lo Si Lo	None
E18.38	0-29 29-39	10yr 3/2 10yr 5/6	Si Lo Si Lo	None
E18.39	0-25 25-30	10YR 3/3 10YR 5/6	Si Lo Si Lo	None
E18.40	0-27 27-37	10yr 3/2 10yr 5/6	Si Lo Si Lo	None
E18.41	0-20 20-30	10YR 3/2 10YR 5/6	Si Lo Si Lo	None
E18.42	0-23 23-33	10YR 3/2 10YR 5/6	Si Lo Si Cl	MCM MCM

draw a line to separate shovel tests

ield Record Sheet

Project #: 12012 Excavator(s): ES

Project Name: Copenhagen Wind Farm Phase IB Date: 10-17-13

Location/Setting: E18 - COLLECTION STATION

Shovel Test	Depth cmbs	Soil Color	Soil Texture	Artifacts/Comments
E18.43	0-20 20-30	10YR 3/4 10YR 6/4	Si Lo Si Lo	NCM
E18.44	0-22 22-32	10YR 3/3 10YR 6/4	Si Lo Si Lo	NCM
E18.45	0-25 25-35	10YR 3/2 10YR 6/4	Si Lo Si Lo	NCM
E18.46	0-25	10YR 3/2	Si Lo	NCM Stopped by Roots
E18.47	0-20 20-22	10YR 4/4 10YR 5/7	Si Lo Si Lo	Stopped by Roots NCM
E18.48	0-27 27-35	10YR 3/2 10YR 5/7	Si Lo Si Cl	NCM NCM REFUSAL @ TREE ROOTS
E18.49	0-25 25-30	10YR 3/2 10YR 5/7	Si Lo Si Lo	NCM Stopped by Roots

draw a line to separate shovel tests

vey Field Record Sheet

12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 10-17-13

Location/Setting:

Shovel Test ✓	Depth	Soil Color	Soil Texture	Artifacts/Comments
E19.01	0-25 26-36	10yr 4/2 10yr 5/4	SiLo SiLo	None
E19.04	0-21 21-31	Same	Same	None
E19.07	0-20 20-45	10YR 4/3 10yR 5/4	Si Lo Si & Lo	None
E19.10	0-25 25-35	10YR 4/3 10YR 5/5	SiLo SiSaLo	None
E19.13	0-27 27-37	10yr 3/3 10yr 4/6	SiLo SiLo	None
E19.16	0-30 30-40	Same	Same	None
E19.19	0-27 27-37	Same	Same	None
E19.22	0-26 26-36	10YR 3/4 10YR 4/6	Same	Same
E19.25	0-26 26-36	Same	Same	None
E19.28	0-26 26-36	Same	Same	None
E19.31	0-26 26-36	Same	Same	None

draw a line to separate shovel tests

d Record Sheet

Excavator(s): DC

nhagen Wind Farm Phase IB

Date: 10/17/13

L.T.L. Transmissions

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E19.02	0-19 19-29	10YR 3/2 7.5YR 4/5	S.Lo S.Lo	NCM
E19.05	0-26 26-36	10YR 3/2 7.5YR 4/5	S.Lo S.Lo	NCM
E19.08	0-21 Rock Impas.	10 YR 3/2	S. Lo	NCM Root at 21 cm
E19.11	0-19 19-29	10 YR 3/2 2.5YR 4/5	S. Lo S. Lo	NCM
E19.14	0-17 17-28	10 YR 3/2 7.5 YR 4/4	S. Lo S. Lo	NCM
E19.17	0-28 28-30	10YR 4/3 10YR 5/4	S. Lo S. Lo	NCM NCM
E19.20	0-20 20-42	10YR 4/3 10YR 5/4	S. Lo S. Lo	NCM NCM
[illegible]	0-43 43-53	10 YR 4/3 10 YR 5/4	S. Lo S. Lo	NCM
E19.26	0-23 23-33	10YR 4/3 10YR 5/4	S. Lo S. Lo	NCM
E19.29	0-25 25-35	10YR 4/5 10YR 5/4	S. Lo S. Lo	NCM
E19.32	0-23 23-34	10YR 4/5 10YR 5/4	S. Lo S. Lo	NCM
E19.35	0-19 19-29	10 YR 3/4 10 YR 5/4	S. Lo S. Lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES

Date: 10-17-13

Location/Setting: E19

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E19.03	0-25 25-35	10YR 4/4 10YR 8/2	Si Cl Lo Si Cl Lo	NCM
E19.06	0-20 20-~~35~~ ~~35~~-~~53~~	10YR 4/4 10YR 4/4 + 2/1 10YR 5/4	Si Lo Si Cl Lo Si Lo	NCM
E19.09	0-22 22-46	10YR 4/3 10YR 5/6	Si Lo Si Lo	NCM
E19.12	0-29 29-39	10YR 4/3 10YR 5/6	Si L Si Lo	NCM
E19.15	0-28 28-45	10YR 4/3 10YR 5/6	Si Lo Si Lo	NCM
E19.18	0-27 27-37	10YR 4/3 10YR 5/4	Si Lo Si Lo	NCM
E19.21	0-25 25-35	10YR 4/3 10YR 5/6	Si Lo Si Lo	NCM
E19.~~27~~	0-25 25-45	10YR 4/3 10YR 5/4	Si Lo Si Lo	NCM
E19.24	0-25 25-35	10YR ~~4/3~~ 3/2 10YR 5/4	Si Lo Si Lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DC

Date: 10.17.2013

Location/Setting: E19 - J LINE

Shovel Test	Depth CMBS	Soil Color	Soil Texture	Artifacts/Comments
E19.38	0-28 28-38	10YR 4/3 10YR 5/4	S.Lo S.Cl	NCM NCM
E19.41	0-33 33-43	10YR 4/5 10YR 5/4	S.lo S.cl	NCM
E19.44	0-26 28-36	10YR 4/5 10YR 5/4	S.lo S.cl	NCM
E19.47	0-29 29-39	10YR 4/3 10YR 3/2	S.Lo S.Lo	NCM
E19.50	0-28 28-38	10YR 4/5 10YR 5/4	S.Lo S.Lo	NCM NCM
E19.53	0-26 26-36	10YR 4/3 10YR 5/5	S.Lo S.Lo	NCM
E19.56	0-20 20-30	10YR 4/3 10YR 5/5	S.Lo S.Lo	NCM
E19.59	0-28 28-38	10YR 4/3 10YR 5/5	S.Lo S.Lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): ES

Date: 10-17-13

Location/Setting: E 19

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E 19.30	0-24 24-45	10YR 4/3 10YR 5/4	Si Lo Si Lo	NCM NCM
E 19.33	0-25 25-35	10YR 3/4 10YR 5/4	Si Lo Si Lo	NCM
E 19.36	0-26 26-45	10YR 3/4 10YR 5/4	Si Lo Si Lo	NCM
E 19.39	0-35 35-45	10YR 3/4 10YR 5/4	Si Lo Si Lo	NCM
E 19.42	0-30 30-45	10YR 3/4 10YR 5/4	Si Lo Si Lo	NCM
E 19.45	0-28 28-38	10YR 3/4 10YR 5/4	Si Lo Si Lo	NCM NCM
E 19.48	0-30 30-50	10YR 4/3 10YR 5/4	Si Lo Si Lo	NCM
E 19.51	0-25 25-35	10YR 4/3 10YR 5/4	Si Lo Si Lo	NCM
E 19.54	0-25 25-35	10YR 4/3 10YR 5/4	Si Lo Si Lo	NCM
E 19.57	0-26 26-36	10 YR 4/3 10 YR 5/4	Si Lo Si Lo	NCM
E 19.60	0-27 27-37	10YR 4/3 10YR 6/4	Si Lo Si Lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB

Date: 10.17.13

Location/Setting:

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E19.34	0-24 24-34	10YR 3/4 10YR 5/6	SiL SiL	None
E19.37	0-26 26-36	Same	Same	NC
E19.40	0-37 37-47	Same	Same	NC
E19.43	0-26 26-36	Same	Same	NC
E19.46	0-26 26-36	Same	Same	NC
E19.49	0-27 27-37	10yr 3/2 10yr 3/6	Same	NC
E19.52	0-26 26-37	10yr 4/2 10yr 5/4	Same	NC
E19.55	0-28 28-38	10yr 4/2 10yr 5/4	Same	NC
E19.58	0-30 30-45	Same	Same	NC
EOT				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB

Date: 10-17-13

Location/Setting:

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E21. 01	0-24	10yr 3/3	SiCLLo	NCM Rock Impeade
E21. 04	0-29 29-39	10YR 3/3 10YR 5/5	SiCLLo SiLo	NCM
E21. 07	0 28 28-38	10YR 3/3 10YR 5/6	SiCLLo SiLo	NCM
E21. 10	0-28 28-38	Same	Same	NCM
E21. 13	0-27 27-37	same	same	NCM
E21. 16	0-27	Same	Same	NCM Bedrock @ 27
E21. 19	0-26 26-36	Same	Same	NCM
E21. 22	0-28 28-38	10yr 3/3 10yr 4/6	SiCLLo SiLo	NCM
E21. 25	0-27 27-37	10YR 4/4 10YR 5/6	SiCLLo SiCLLo	NCM
E21. 28	0-28 28-38	10YR 3/3 10YR 5/6	SiLo SiSi	NCM NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DC

Date: 10/17/13

Location/Setting: E21

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E21.02	0-17 Rock Impasse	10 YR 3/4	Sa lo w/gravel	NCM Rock 17 cmbs
E21.05	0-21 21-28	10 YR 3/4 10 YR 5/6	Sa lo w/gravel Si lo	NCM
E21.08	0-22 22-35	10 YR 3/4 10 YR 5/6	Sa lo w/gravel Si lo	NCM
E21.11	0-26 26-30	10 YR 3/4 10 YR 5/6	Si lo Si lo w/gravel	NCM
E21.14	0-30 30-50	10YR 3/4 10YR 3/4	Si lo w/gravel rocky Si lo	NCM
E21.17	0-28 28-34	10 YR 3/4 10 YR 5/4	Si lo Si lo w/gravel	NCM
E21.20	0-19 19-29	10 YR 3/4 10 YR 6/6	Si lo Si lo	NCM
E21.23	0-24 24-34	10 YR 3/4 10 YR 6/6	Si lo Si lo	NCM
E21.26	0-27 27-32 Rock Impasse	10 YR 3/4 10 YR 6/6	Si lo Si lo	NCM Rock Impasse 32 cmbs
E21.29	0-27 27-38	10YR 4/4 10YR 6/6	Si Lo Si Lo	NCM

draw a line to separate shovel tests

y Field Record Sheet

12012 Excavator(s): ES

ne: Copenhagen Wind Farm Phase IB Date: 10/17/2013

n/Setting: E21- POINT OF INTERCONNECT. SUBSTATION

hovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E21.03	0-15 15-25	10 yr 4/3 10yR 5/4	Rocky SiLo Rocky SiLo	NCM Rock at 25cm
E21.06	0-15 15-25	10yR 4/3 10yR 7/2	Rocky SiLo Si Sa	Ncm
E21.09	0-10 10-20 20-25	10yR 4/4 10yR 5/4 10yR 7/2	Rocky SiLo Rocky SiLo Si Sa	Ncm
E21.12	0-20 20-30	10yR 4/4 10yR 5/6	SiLo SiLo	Ncm
E21.15	0-20 20-30	10yR 4/4 10yR 5/6	SiLo SiLo	Ncm
E21.18	0-16 16-35	10yR 4/3 10yR 5/4	SiLo SiLo	Ncm
E21.21	0-16 16-27	10yR 4/3 10yR 5/6	SiLo SiLo	Ncm
E21.24	0-22 22-48	10yR 4/3 10yR 5/6	SiLo SiLo	Ncm
E21.27	0-25 25-35	10yR 3/3 10yR 4/6	SiLo SiLo	Ncm
E21.30	0-33 33-55	10yR 3/3 10yR 5/6	SiLo SiLo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 10.23.13

Location/Setting: along cornfield w/ briars

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E23.03	0-19 19-33	10yr 4/2 10yr 6/4	SiLo SiLo	NCM
E23.06	0-17 17-27	Same	Same	NCM
E23.09	0-27 27-37	Same	Same	NCM
E23.12	0-31 31-41	Same	Same	NCM
E23.15	0-26 26-36	Same	Same	NCM Cobbles
E23.18	0-20 20-30	10yr 3/3 10yr 3/6	Same	NCM cobbles
E23.21	0-27 27-37	Same	Same	NCM
E23.24	0-30 30-40	10yr 3/2 7.5yr 5/8	CLLo SiLo	NCM
E23.27	0-27 27-37	Same	Same	NCM
E23.30	0-30 30-40	Same	Same	NCM
E23.33	0-33 33-43	Same	Same	NCM
E23.36	0-31 31-41	Same	Same	NCM
E23.39	0-28 28-38	Same	SiLo SiLo	NCM
E23.42	0-28 28-38	10yr 3/3 7.5yr 5/8	SiLo SiLo	NCM
E23.45	0-28 28-38	Same	Same	NCM
E23.48	0-28 28-38	Same	Same	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DC

Date: 10/23/13

Location/Setting: E23

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E23.02	0-27 27-37	10 yr 3/2 10 yr 5/6	Si Sa Sa Si	NCM
E23.05	0-19 19-28	10 yr 3/2 10 yr 5/6	Si Sa Sa Si	NCM
E23.08	0-20 20-36	10 yr 3/2 10 yr 5/6	Sa Si Sa Si	NCM
E23.11	0-23 23-35	10 yr 3/2 10 yr 6/6	Sa Si Sa Si	NCM
E23.14	0-21 21-30	10 yr 4/4 10 yr 5/6	Si Sa Si Sa	NCM
E23.17	0-27 27-36	10 yr 4/4 10 yr 5/6	Si Sa Si Sa	NCM
E23.20	0-26 26-37	10 yr 3/2 10 yr 6/6	Si Sa Sa Si	NCM
E23.23	0-27 27-35	10 yr 3/2 10 yr 6/6	Si Cl Sa Si	NCM
E23.26	0-29 29-39	10 yr 3/2 10 yr 5/6	Si Sa Sa Si	NCM
E23.29	0-19 19-30	10 yr 3/2 10 yr 5/6	Si Sa Sa Si	NCM
Break 20 line E23.32	0-20 20-29	10 yr 3/2 10 yr 6/6	Sa Si Sa Si	NCM
E23.35	0-27 27-37	10 yr 3/2 10 yr 5/6	Sa Si Sa Si	NCM
E23.38	0-22 22-32	10 yr 3/2 10 yr 6/6	Sa Si Si Sa	NCM
E23.41	0-19 19-30	10 yr 3/2 10 yr 5/6	Si Sa Si Sa	NCM
E23.44	0-21 21-31	10 yr 3/2 10 yr 6/6	Si Sa Si Sa	NCM
E23.47	0-25 25-35	10 yr 3/2 10 yr 5/6	Si Sa Si Sa	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): CE

Date: 10/23/13

Location/Setting: E23

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E23.01	0-27 27-37	10YR 4/4 10YR 5/7	Si Lo Si Cl Lo	NCM
E23.04	0-24 24-34	10YR 4/4 10YR 5/7	Si Lo Si Cl Lo	NCM
E23.07	0-15 15-28 28-37	10YR 4/4 10YR 5/7 10YR 6/2	Si Lo Si Cl Lo Si Lo	NCM
E23.10	0-23 23-33	10YR 4/5 10YR 4/5	Si Lo Si Cl Lo	NCM
E23.13	0-20 20-30	10YR 4/4 10YR 5/6	Si Lo Si Cl Lo	[redacted] whiteware
E23.16	0-27 27-37	10YR 4/5 10YR 6/6	Si Lo Si Cl Lo	NCM
E23.19	0-30 30-40	10YR 4/4 10YR 6/6	Si Lo Si Cl Lo	NCM
E23.22	0-27 27-37	10YR 4/4 10YR 6/6	Si Lo Si Cl Lo	NCM
E23.25	0-26 26-36	10YR 4/4 10YR 3/4	Si Cl Lo Si Cl Lo	NCM
E23.28	0-24 24-34	10YR 4/4 10YR 6/6	Si Cl Lo Si Cl Lo	NCM
E23.31	0-12 12-22	10YR 4/4 10YR 5/6	Si Cl Lo Si Cl Lo	NCM
E23.34	0-24 24-34	10YR 4/4 10YR 6/6	Si Cl Lo Si Cl Lo	NCM
E23.37	0-11 11-25	10YR 4/4 10YR 6/6	Si Cl Lo Si Cl Lo	NCM
E23.40	0-10 10-28	10YR 4/4 10YR 6/6	Si Lo Si Lo	NCM
E23.43	0-14 14-24	10YR 4/4 10YR 7/6	Si Lo Si Lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Colin Ely

Date: 10/23/13

Location/Setting: E23

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E23.46	0-16	10YR 4/4	Silto	NCM
	16-26	7.5YR 5/6	Silto	
E23.49	0-38	10YR 4/4	Silto	NCM
	38-48	10YR 7/3	Silto	
E23.52	0-13	10YR 4/4	Silto	NCM
	13-28	10YR 5/6	Silto	
E23.55	0-26	10YR 4/4	Silto	NCM
	26-36	10YR 7/7	Silto	
E23.58	0-21	10YR 4/4	Silto	NCM
	21-31	10YR 5/6	Silto	

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DC

Date: 10/23/13

Location/Setting:

E23

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E23.50	0-25 25-35	10 YR 3/2 10 YR 6/6	Si Sa Si Sa	NCM
E23.53	0-26 26-35	10 YR 3/2 10 YR 6/6	Si Sa Si Sa	NCM
E23.56	0-24 24-34	10 YR 3/2 10 YR 5/6	Si Sa Si Cl Lo	NCM
E23.59	0-41 41-51	10YR 3/4 10YR 5/6	Si Sa Si Cl Lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB

Date: 10-23-13

Location/Setting: In brush along cornfield

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E23.51	0-26	10yr 3/3	SiLo	None
	26-36	10yr 4/6	SiLo	
E23.54	0-35	Same	Same	None
	35-45			
E23.57	0-26	10yr 5/2	CLLo	None/Boulders
E23.60	0-44	10yr 3/2	SiLo	None
	44-54	10yr 4/6	SiLo	
EOT				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DC

Date: 10/23/13

Location/Setting:

E24, E25

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E24.02	0-27 Rock impass	10 YR 4/4	Si 10	NCM Rock 27 cmbs.
E24.05	0-29 29=water	10YR 3/2	[illegible]	NCM
E24.08	0-37 water table	10 YR 3/2	Si 10	NCM water table 37 cmbs
E24.11	0-19 Rock impass water table	10 YR 3/2	Si 10	NCM Rock impass 19 cmbs water table 19 cmbs
E24.14	0-28 Stony water	10 YR 3/2	Si 10	NCM water table 28 cmbs
E25.02	0-20 20-30	10 YR 3/3 10 YR 5/6	Si 10 Si 10	NCM
E25.05	0-27 27-37	10YR 4/4 10YR 5/6	[illegible] Si 10	NCM
E25.08	0-17 17-27	10 YR 4/4 10 YR 5/6	Si 10 Si 10	NCM
E25.11	0-29 29-39	10YR 4/4 10YR 5/6	Si 10 Si 10	NCM
E25.14	0-19 19-29	10 YR 4/4 10 YR 5/6	Si 10 Si 10	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): PJH / CE

Date: 10/23/2013

Location/Setting: T-LINE - STREAM CROSSING, STEBBINS CREEK - WETLAND

E24 + E25

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E24.01	0 - 25 25 - 40	10YR 3/2 10YR 4/2	CL LO CLAY	NCM NCM
E24.04	0 - 29 29 = water table	10YR 3/2	CL LO	NCM
E24.07	0 - 15 15 - 28	10YR 3/2 10YR 3/2	CL LO CLAY	NCM GROUNDWATER @ 20 CM
E24.10	0 - 12 12 - 25	10YR 3/2 10YR 3/2	CL LO CLAY	NCM GROUNDWATER @ 20cm
E24.13	0 - 16 16 - 35	10YR 3/2 10YR 3/2	CL LO CLAY	NCM GROUNDWATER @ 25cm
E25.03	0 - 18 18 - 26	10YR 5/4 10YR 5/6	SI LO ROCKY SI LO	NCM NCM
E25.06	0 - 16 16 - 30	10YR 5/4 10YR 5/6	ROCKY SI LO ROCKY SI LO	NCM NCM
E25.09	0 - 21 21 - 45	10YR 4/3 10YR 5/6	SI LO ROCKY SI LO	NCM NCM
E25.12	0 - 20 20 - 45	10YR 4/3 10YR 5/4	SI LO ROCKY SI LO	NCM NCM
E25.15	0 - 15 15 - 22	10YR 4/3 10YR 5/4	SI LO ROCKY SI LO	NCM BNCM; BOULDER @ 22 cm

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 10 23-13

Location/Setting: wetland / shrubs / brush / water (Stebbins creek?)

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
E24.03	0-24	10yr 3/2	SiCL	NCM Root Mass Impasse
E24.06	0-20 20-26	10yr 4/2 10yr 5/2	SiCL SiCL	NCM boulder Impasse
E24.09	0-21 21-28	10yr 4/2 10yr 5/3	SiCL SiCL	NCM boulder Impasse (next to large boulder piles)
E24.12	0-10	10yr 4/2	SiCL	NCM on boulders (barbed wire on grad)
E24.15	0-10	10yr 4/2	SiCL	NCM on boulders (water filled) STP
E25.01	0-28	10yr 3/2	CLLo	NCM boulder Impasse
E25.04	0-29	10yr 3/2	CLLo	1 clear vessel glass not kept
E25.07	0-23	10yr 4/2	CLLo	NCM boulder Imp.
E25.10	0-15 15-25	10yr 4/3 10yr 5/6	SiLo SiLo	NCM boulder Imp next to pile
E25.13	0-27 27-37	10yr 4/3 10yr 5/6	SiLo SiLo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB

Date: 10-3-13

Location/Setting: Historic Site #3

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
HS3.01	0-30 30-43 43-53	10YR 3/2 10YR 7/2 10YR 3/2	Clay Loam Clay Loam Clay Loam	Handpainted whiteware, Black Ceramic, Brick, Terra Cotta Tile (flat) (Agricultural)
HS3.03	0-33	10YR 3/2 10YR 4/6	ClLo ClLo	Small piece of whiteware
HS3.05	0-29 29-39	10YR 3/2 10YR 4/6	Sandy Lo Sandy Lo	(coal, nail, mortar - not kept) small pieces of coal throughout small piece of brown ceramic - kept mortar piece of cut bone + other pieces Metal (nail) ↑ kept
HS3.07	0-28 28-33 33-50	10yr 3/1 10YR 6/1, 2/1 7.5yr 4/4	SaLo SaLo ash + Burned SaLo	1 Flat glass 1 nail, 1 whiteware, 2 bone for sample 1 large terracotta rim, glazed for sample. not kept: 3 bone & 1 verta bone 3 terracotta
HS3.09	0-30 30-35 35-45	10yr 3/2 10yr 2/1, 6/1 7.5yr 4/4	SaLo Ash, burn SaLo SaLo	1 Flat glass 1 glass bottle rim
HS3.11	0-10			Boulder pile

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012 Excavator(s): DT, ES

Project Name: Copenhagen Wind Farm Phase IB Date: 10/3/13

Location/Setting: Historic Site 3

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
HS3.2	0 - 28 28-38	10 YR 4/3 10 YR 5/8	SiLo SiLo	v. sm frag of melted glass
HS3.4	0-25 25-35	10YR 4/3 10YR 5/8	SiLO SiLO	2 WW spall 1 bolt
HS3.6	0-10 10-15 15-30	10 YR 4/3 5Y 8/1 10 YR 5/8	SiLo Sand SiLo	Amorphous iron concretion (not collected)
HS3.8	0-10 10-15 15-30	10YR 4/3 5Y 8/1 10YR 5/8	SiLo Sand SiLO	None some small charcoal
HS3.10	0-20	10 YR 4/3 10 YR 5/6, 4/4	SiLo SiLo mottled	Nail and bone frag
HS3.12	0-30 30-40	10YR 4/3 10YR 5/8	SiLO SiLO	4 window glass 3 nails iron object

draw a line to separate shovel tests

...ical Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DL

Date: 10/22/13

Location/Setting: HS 5, In orchard

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
HS 5-01 ✓	0-28 Rock Impasse	10 YR 3/2	Si lo w/gravels and cobbles	NCM
HS 5-04	0-25 Rock Impasse	10 YR 3/2	Si lo w/gravels and large cobble	NCM
HS 5.07	0-19 Bedrock	10 YR 3/2	Si lo w/gravels and cobbles	NCM Bedrock 19 cmbs
HS 5.10	0-32 Bedrock	10 YR 4/4	Si lo w/gravels and cobbles	NCM Bedrock 32 cmbs
HS 5.13	0-24 24-44	10 YR 4/4 10 YR 6/6	Si lo Si lo	NCM
HS 5.16	0-22 22-32	10 YR 4/4 10 YR 6/6	Si lo Si lo	NCM
HS 5.19	0-21 21-31	10 YR 4/4 10 YR 6/6	Si lo cl si	NCM
HS 5.22	0-22 22-32	10 YR 3/2 10 YR 5/6	Si lo cl lo	NCM
HS 5.25	0-21 21-31	10 YR 3/2 10 YR 5/6	Si lo cl si	NCM
HS 5.28	0-28 28-38	10 YR 3/2 10 YR 5/6	Si lo Si cl	NCM

draw a line to separate shovel tests

eological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Colin Ely

Date: 10/22/13

Location/Setting: HS~~B~~ S

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
HS CS5.02	0-30 30-40	10YR 4/2 10YR 4/3	Si Cl Lo Si Cl Lo	1 pc. of glass
HS CS5.05	0-28 28 = Bedrock	10YR 4/2	Si Cl Lo	NCM BR @ 28cm
HS CS5.08	0-30 30 = BR	10YR 4/2	Si Cl Lo	NCM BR @ 30cm
HS CS5.11	0-22 22 = BR	10YR 4/3	Si Cl Lo	1 whiteware BR @ 22
HS CS5.14	0-49 49 = BR	10YR 4/3	Si Cl Lo	NCM BR @ 49
HS CS5.17	0-50 50-53 53 = BR	10YR 4/3 10YR 5/6	Si Lo Si Cl Lo	N CM BR @ 53
HS CS5.20	0-24 24-34	10YR 4/4 10YR 5/6	Si Cl Lo Cl Lo	1 whiteware 1 pc. really colorful glass
HS CS5.23	0-30 30-40	10YR 4/4 10YR 5/6	Si Cl Lo Cl Lo	NCM
HS CS5.26	0-30 30-40	10YR 4/4 10YR 5/6	Si Lo Si Cl Lo	NCM
HS CS5.29	0-19 19-30	10YR 4/4 10YR 5/6	Si Cl Lo Cl Lo	NCM

draw a line to separate shovel tests

Record Sheet

2012

Copenhagen Wind Farm Phase IB

Excavator(s): DB

Date: 10.22.13

MDS - In apple trees/Foundation to Right

Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
HS5.03	0-20 20-43	10yr 4/2 10yr 6/6	siLo siLo	NCM
HS5.06	0-28	10yr 4/2	cLLo	NCM Bedrock
HS5.09	0-10	10yr 4/2	cLLo	NCM Bedrock
HS5.12	0-31 31-38	10yr 4/2 10yr 6/6	cLLo siLo	NCM Bedrock
HS5.15	0-28 28-36	10yr 4/2 10yr 5/3	cLLo cLLo	NCM
HS5.18	0-31 31-41	10yr 4/2 10yr 5/6	cLLo cLLo	NCM
HS5.21	0-22 22-32	10yr 3/2 7.5yr 5/8	cLLo siCL	NCM
HS5.24	0-22 22-32	10yr 3/2 10yr 5/8	cLLo siCL	NCM
HS5.27	0-28 28-38	Same	Same	NCM
HS5.30	0-28 28-38	Same	Same	NCM
TOT				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): Colantly

Date: 10/21/13

Location/Setting: Historic Site 6

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
HS6.01	0-29 29-39	10YR 3/2 10YR 6/7	SiCl Lo Cl Lo	NCM
HS6.03	0-29 29-39	10YR 3/2 10YR 6/7	SiCl Lo Cl Lo	NCM
HS6.05	0-46 46-56	10YR 3/2 10YR 6/7	SiCl Lo Cl Lo	NCM
HS6.07	0-33 33-43	10YR 4/4 10YR 5/6	SiCl Lo Cl Lo	NCM
HS6.09	0-30 30-40	10YR 4/4 10YR 4/5	Si Lo SiCl Lo	Whiteware (1)
HS6.11	0-33 33-43	10YR 4/4 10YR 5/5	Si Lo SiCl Lo	NCM
HS6.13	0-32 32 = Bedrock	10YR 4/4	Cl Lo	Stoneware (1) BR@32 window glass (1) whiteware (1)
HS6.15	0-41 41-51	10YR 4/4 10YR 3/3	SiCl Lo Cl Lo	(5) whiteware (1) window glass (1) unknown glass (1) redware
HS6.17	0-29 29-39	10YR 4/3 10YR 5/5	SiCl Lo Cl Lo	(2) whiteware (2) redware
HS6.19	0-35 35-45	10YR 3/3 7.5YR 4/5	SiCl Lo SiCl Lo	1 whiteware w pink design 1 black glazed redware
HS6.21	0-21 21-39	10YR 3/3 10YR 5/3	SiCl Lo SiCl Lo	NCM
HS6.23	0-25 25-35	10YR 3/3 10YR 5/3	SiCl Lo SiCl Lo	1 piece curved glass, not banged.
HS6.25	0-43 43-53	10YR 4/4 10YR 5/6	SiCl Lo SiCl Lo	NCM
HS6.27	0-26 26-36	10YR 4/4 10YR 5/6	SiCl Lo SiCl Lo	NCM
HS6.29	0-39 39-49	10YR 4/4 10YR 5/6	SiCl Lo SiCl Lo	NCM
HS6.31	0-31 31-41	10YR 4/4 10YR 5/6	SiCl Lo SiCl Lo	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DB

Date: 10-21-13

Location/Setting: Historic Site 6

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
HS6.02	0-31 31-41	10yr 3/2 10yr 6/4	CLLo SiCL	NCM Water on surface In cut hay field
HS6.04	0-31 31-41	Same	Same	Same
HS6.06	0-31 31-41	Same	Same	Same
HS6.08	0-32 32-42	Same	Same	Same
HS6.10	0-26 26-36	10yr 3/2 10yr 4/6	CLLo CLSi	NCM In cut cornfield
HS6.12	0-26 26-36	Same	Same	NCM Same NCM Same
HS6.14	0-27 27-37	10yr 3/2 10yr 5/6	Same	
HS6.16	0-32 32-42	10yr 3/2 ~~Same~~ 10yr 4/6	SiLo SiLo	1 clear vessel glass - not kept NCM
HS6.18	0-26 26-36	Same	Same	1 mortar frag - not kept NCM
HS6.20	0-26 26-36	Same	Same	1 nail - poss. square cut NCM (large rock in STP)
HS6.22	0-28 28-38	Same	Same	NCM
HS6.24	0-32 32-42	Same	Same	NCM
HS6.26	0-33 33-43	Same	Same	1 Long nail - not kept NCM
HS6.28	0-33 33-43	Same	Same	NCM
HS6.30	0-27 27-37	Same	Same	NCM
HS6.32	0-31 31-45	10yr 3/2 10yr 3/6, 7/2	CLLo SaLo	NCM

draw a line to separate shovel tests

EOT

Archeological Survey Field Record Sheet

edr

edr Project #: 12012 Excavator(s): DC

Project Name: Copenhagen Wind Farm Phase IB Date: 10/22/13

Location/Setting: HS7, Corn Field

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
HS7.01	0-21 21-31	10YR 4/3 10YR 5/6	Si Lo Si Cl	barbed wire, whiteware, glass
HS7.03	0-26 26-36	10YR 4/3 10YR 5/4	Si Lo Si Cl	1 plain whiteware, 2 window glass brick pcs.
HS7.05	0-23 rock	10 YR 4/3 10 YR 5/4	Si Lo Si Cl	Brick, wire, 2 window glass -Discarded
HS.7.07	0-24 24-34	10YR 4/3 10YR 5/6	Si Lo Si Cl	stoneware, 5 pcs of white/blueware glass - bugged
HS.7.09	0-48 48-58	10YR 4/3 10YR 5/6	Si Lo Si Cl	whiteware, cut nail glazed stoneware, window glass
HS7.11	0-24 24-34	10YR 4/3 10 YR 5/6	Si Lo Si Cl	cut nail, window glass, whiteware brick-discarded
HS7.13	0-27 27-37	10 YR 4/3 10 YR 5/6	Si Lo Si Cl	cut nail, window glass, WW Brick discarded
HS7.15	0-27 27-37	10YR 4/3 10YR 5/6	Si Lo Si Cl	(1) GLAZED RED WARE (1) WINDOW GLASS } DISCARDED
HS7.17	0-21 21-31	10 YR 4/3 10 YR 5/6	Si Lo Si Cl	WW, Brick, discarded
HS7.19	0-30 30-37	10 YR 4/3 10 YR 5/6	Si Lo Si Cl	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012 Excavator(s): DB

Project Name: Copenhagen Wind Farm Phase IB Date: 10-22-13

Location/Setting:

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
HS7.02	0-27 27-37	10yr 3/3 10yr 5/6	CLLO CLSI	1 - plain whiteware not kept NCM
HS7.04	0-27 27-37	Same	Same	3 plain whiteware 1 Flatglass 1 brick not kept NCM
HS7.06	0-19 19-31	10yr 3/3 7.5yr 4/6	Same	NCM
HS7.08	0-20 20-30	Same	Same	Few brick flecking NCM
HS7.10	0-31 31-41	10yr 3/3 10yr 3/6	Same	NCM
HS7.12	0-29 29-40	10yr 3/2 10yr 3/6	Same	1 whiteware, 1 brick 1 red ware 14 Flow blue ware
HS7.14	0-27 27-37	10YR 3/2 10YR 4/6	Same	NCM
HS7.16	0-28 28-38	10YR 3/3 10YR 4/6	Same	2 whiteware 1 redware
HS7.18	0-29 29-39	10YR 3/3 10YR 4/6	Same	NCM
HS7.20	0-30 30-40	Same	Same	NCM
EOT				

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): PC

Date: 10/22/13

Location/Setting: Hs 8

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
HS8.01	0-16 16-26	10 yr 3/2 10 yr 6/6	si lo w/gravel si lo	NCM
HS8.02	0-28 28-38	10yr 4/2, 4/3, 3/2 10yr 5/6	CLLO SiLO	NCM — Fill Layer NCM
HS8.03	0-8 8-31	10YR 4/2 10YR 5/6, 4/5	SiCl lo Cl lo	NCM
HS8.04	0-8 8-29	10 yr 4/3 10 yr 5/6	Cl lo Cl lo	NCM
HS8.05	0-10 10-40	10yr 4/2, 6/4 10yr 6/6	CLLO/SiSa SiSa	NCM
HS8-.06	0-21 21-30 30-40	10YR 4/2 10YR 5/6, 6/7 10YR 7/4	SiCLLo CLLo CLLo	NCM
HS8.07	0-8 8-26	10 yr 4/2 10 yr 6/6	Cl lo SaSi	NCM
HS8.08	0-19 19-27	10yr 4/2, 3/2 10yr 6/6	Cl lo SiCl	NCM
HS8.09	0-28 28-38	10yr 4/2 10yr 8/8	CLLO CLSi	NCM other side of Road / in corn field
HS8.10	0-30 30-40	10YR 3/2 10YR 6/6	Cl lo ClSa	NCM
HS8.11	0-38 38-48	10 yr 3/2 10 yr 6/6	Cl lo Cl lo	NCM
HS8.12	0-29 29-39	10yr 4/2 10yr 6/6	CLLO SiCl	NCM

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DC CL

Date: 11/15/13

Location/Setting: HS 9

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
HS9.01	0-34 Rock Impass	10YR 3/2	Si lo, w/ gravel	NCM Rock Impass 34 cmbs
HS9.02	0-53 Rock impass	10YR 3/2	Si Lo w/ gravel	Undecorated whiteware, discarded Rock impass 53 cmbs.
HS9.03	0-20 Root Impass	10YR 3/2	Si lo	NCM
HS9.04	0-24 Rock Impass	10YR 3/2	Si lo, gravel	NCM
HS9.05	0-15 Root impass	10YR 3/2	Si lo	NCM Root impass 15 cmbs
HS9.06	0-25 Rock Impass	10YR 3/2	Si lo w/ gravel	NCM
HS9.07	0-25 25-35	10YR 3/2 10YR 5/6	Si lo Si cl	NCM
HS9.08	0-19 19-29	10YR 3/2 10YR 5/6	Si lo Si cl	NCM
HS9.09	0-25cm	10YR 3/2	Si lo	Small glass button, Tack Root impass 25cmbs.
HS9.10	0-29 29-39 cm	10YR 3/2 10YR 5/6	Si lo Si cl	NCM
HS9.11	0-30 cm 30-40 cm	10YR 3/2 10YR 5/6	Si lo Si cl	Bone, small glass blue. (blue)
HS9.12	0-26 Rock Impass	10YR 3/2	Si lo w/ gravel	NCM Rock Impass 26 cmbs
HS9.13	0-27cm 27-40cm	10YR 3/2 10YR 6/6	Si lo Si lo	NCM
HS9.14	0-21 21-31	10YR 3/2 10YR 6/6	Si lo Si lo	Brick + mortar rebuscard NCM
HS9.15	0-30	10YR 3/3	Si lo	Glass shard, Whiteware brick scatter

draw a line to separate shovel tests

Archeological Survey Field Record Sheet

edr

edr Project #: 12012

Project Name: Copenhagen Wind Farm Phase IB

Excavator(s): DC, CI

Date: 11/15/13

Location/Setting:

HS 9

Shovel Test	Depth	Soil Color	Soil Texture	Artifacts/Comments
HS9.16	0-24 Rock Impass	10YR 3/3	Si/lo w/gravel	Glazed Rw, Brick discarded
HS9.19	0-23 23-33	10YR 3/3	Si/lo Si/lo	NCM
HS9.18	0-30 30-40	10YR 3/2 10YR 5/6	Si/lo w/gravel Si/lo	NCM
HS9.17	0-25cm	10YR 3/3	Si/lo	NCM Refusal at 25cm - roots
HS9.20	0-26 Root Impass	10YR 3/2	Si/lo	NCM Root Impass 26 cmbs
HS9.21	0-20cm Rock impass	10YR 3/2	Si/lo	NCM Rock impass 20 cmbs
HS9.22	0-18 Root Impass	10YR 3/2	Si/lo w/gravel	NCM Root Impass 18 cmbs
HS9.23	0-35cm Rock impass	10YR 3/2	Si/lo.	NCM - Rock 35 cm
HS9.24	0-27 27-30 Bed Rock	10YR 3/2 10YR 5/6	Si/lo Si/lo	NCM Bedrock 30 cmbs

draw a line to separate shovel tests

Appendix F

Artifact Inventory

Shovel Test/Surface Collect	Stratum	Depth (cmbs)	Count	Description	Comments	Production Date Range
A10.05	1	0-32	1	Whiteware	undecorated; flatware	1810 +
A10.09	1	0-27	1	Whiteware	undecorated; flatware	1810 +
A10.46	1	0-40	1	Electrical insulator	white ceramic; interior threading	
A10.72	1	0-34	1	Stoneware	gray exterior; Albany-slip interior	1810 +
C1-SC01	Surface	-	1	Precontact axe tool/"celt"	16 cm (length) x 4.5 cm (max. width) x 2 cm (max. height); possibly basalt	
C9.24	1	0-26	1	Unidentified bottle-type fragment	amethyst	1880 - 1915
D11.15	1	0-20	1	Whiteware	undecorated	1810 +
D11.15	1	0-20	1	Whiteware	band around rim	1810 +
D11.18	1	0-26	1	Flat glass	aqua	
D12.28	1	0-24	1	Unidentified bottle-type fragment	clear	
D13.140	1	0-37	1	Wire staple	ferrous, agricultural fence staple	1885 +
D13.141	1	0-30	1	Unidentified hardware	ferrous	
D13.141	1	0-30	1	Wire fence segment	ferrous	1885 +
D13.145	2	8-37	2	Flat glass	clear	
D20-SC01	Surface	-	1	Utilized core	45 mm max. width	
E10.80	1	0-26	1	Whiteware	blue hand painted	1820 - 1890
E2.73	1	0-19	30	Ironstone	plain white; low crazing; bowl vessel	1813 - 1900
E2.73	1	0-19	21	Ironstone	plain white; high crazing; bowl vessel; two frags bear maker marks ("…BUR…")	1813 - 1900
E2.73	1	0-19	13	Unidentified bottle-type fragment	aqua	
E2.73	1	0-19	10	Domestic brown stoneware	Albany slip interior	1810 +
E2.73	1	0-19	7	Unidentified bottle-type fragment	light green	
E2.73	1	0-19	6	Unidentified bottle-type fragment	clear	
E2.73	1	0-19	5	Blown-in mold bottle glass	brown	
E2.73	1	0-19	5	Flat glass	aqua	
E2.73	1	0-19	4	Unidentified metal fragments	(3) ferrous; (1) non-ferrous	
E2.73	1	0-19	3	Blown-in mold bottle-type fragment	blue; (1) base, no maker's mark	
E2.73	1	0-19	2	Unidentified bottle-type fragment	green	
E2.73	1	0-19	1	Blown-in mold bottle	clear, w/ intact applied "patent" finish	
E2.73	1	0-19	1	Blown-in mold bottle glass	brown; w/ intact applied "double ring" lip w/ neck & shoulders	1850 - 1910

Shovel Test/Surface Collect	Stratum	Depth (cmbs)	Count	Description	Comments	Production Date Range
E2.73	1	0-19	1	Blown-in mold bottle-type	clear base; embossed w/"MCC." (probably William McCully & Co./Pittsburgh, PA)	mid-1870s - ~1896
E2.73	1	0-19	1	Cut nail	fragment	
E2.73	1	0-19	1	Lamp glass	clear	
E2.73	1	0-19	1	Milk bottle	aqua; lip fragment	
E2.73	1	0-19	1	Screw-top bottle cap	Non-ferrous, w/intact gasket	
E2.73	1	0-19	1	Shotgun shell fragment	28 gauge, center-fire	
E2.73	1	0-19	1	Unidentified bottle-type fragment	amethyst	1880 - 1915
E23.13	1	0-20	1	Stoneware	Bristol glaze ext.	
HS3.01	1	0-30	1	Pearlware/Whiteware	embossed edge pattern w/blue glaze	
HS3.01	1	0-30	1	Redware	w/black int./ext. glaze	
HS3.03	1	0-30	1	White refined earthenware	plain w/blue unidentifiable glaze	
HS3.04	1	0-25	2	White refined earthenware	plain	
HS3.05	1	0-29	3	Faunal/bone	(1) cut shaft fragment; (1) broken shaft fragment; (1) small knuckle bone	
HS3.05	1	0-29	1	Yellowware	Rockingham/Bennington glaze	1840 - 1900
HS3.07	1	0-28	1	Flat glass	aqua	
HS3.07	1	0-28	1	Redware	clear lead glaze interior	
HS3.07	1	0-28	1	Whiteware	blue transfer print	1840 -1860
HS3.07	1	0-28	1	Wire nail	20d ("penny")	1885 +
HS3.09	1	0-30	1	Blown-in mold bottle glass	dark green oil finish; evidence of tooling	1850 - 1920
HS3.09	1	0-30	1	Flat glass	aqua	
HS3.10	1	0-20	1	Faunal/bone	shaft fragment	
HS3.10	1	0-20	1	Wire nail	8d	1885 +
HS3.12	1	0-30	3	Flat glass	aqua	
HS3.12	1	0-30	2	Brad nails	(1) wire; (1) cut	
HS3.12	1	0-30	1	Bolt	carriage-type; 1/2 inch D, ~5 in. L	
HS3.12	1	0-30	1	Cast iron	equipment component; broken	
HS3.12	1	0-30	1	Cut nail fragment	head	
HS3.12	1	0-30	1	Unidentified bottle-type fragment	amethyst	1880 - 1915
HS5.01	1	0-30	1	Unidentified bottle-type fragment	clear	
HS5.11	1	0-22	1	White refined earthenware	plain w/blue tint	

Shovel Test/Surface Collect	Stratum	Depth (cmbs)	Count	Description	Comments	Production Date Range
HS5.20	1	0-24	1	Vessel glass	green & milk swirling	
HS5.20	1	0-24	1	Whiteware	green transfer print	1829 - 1850
HS6.09	1	0-30	1	White refined earthenware	polychrome handpainted	1810 +
HS6.13	1	0-32	1	Flat glass	aqua	
HS6.13	1	0-32	1	Stoneware	gray exterior; Albany-slip interior	
HS6.13	1	0-32	1	Whiteware	plain	1810 +
HS6.15	1	0-41	3	Whiteware	(2) plain; (1) banding decoration	1810 +
HS6.15	1	0-41	2	Pearlware	(1) hand-painted blue underglaze	1790 - 1870
HS6.15	1	0-41	1	Flat glass	aqua	
HS6.15	1	0-41	1	Redware	buff/yellow lead glaze	
HS6.15	1	0-41	1	Unidentified glass	clear; edge fragment	
HS6.17	1	0-29	2	Redware	(1) clear lead glaze; (1) brown lead glaze	
HS6.17	1	0-29	2	Whiteware	(1) plain; (1) blue transfer print	
HS6.19	1	0-35	1	Redware	black glaze ext. & int.	
HS6.19	1	0-35	1	Whiteware	red transfer print	1829 - 1850
HS6.20	1	0-26	1	Cut nail	fragment	1810 - 1885
HS6-SC01	Surface	-	1	Unidentified glass vessel	milk glass	
HS6-SC02	Surface	-	1	Stoneware	black or dark brown glaze ext. & int.	
HS6-SC03	Surface	-	1	Padlock	locked	
HS6-SC04	Surface	-	1	Unidentified glass vessel	amber, panel fragment	
HS6-SC05	Surface	-	1	Whiteware	plain, molded; bowl or cup heel	1810 +
HS6-SC06	Surface	-	1	Whiteware	flow blue	1840 - 1860
HS6-SC07	Surface	-	1	Stoneware	black or dark brown glaze ext. & int.	
HS6-SC08	Surface	-	1	Whiteware	pink glaze	
HS6-SC09	Surface	-	1	Unidentified bottle-type fragment	clear, flat panel frag; "…[C]USE"	
HS6-SC10	Surface	-	1	Ironstone	plain	1840 - 1930
HS6-SC11	Surface	-	1	White refined earthenware	plain whiteware or ironstone	1810 +
HS6-SC12	Surface	-	2	Flat glass	aqua	
HS6-SC12	Surface	-	1	Redware	black glaze ext. & int.	
HS6-SC12	Surface	-	1	Whiteware	black hand-painted underglaze	
HS6-SC13	Surface	-	1	Machine-made bottle	amethyst; neck & finish	1903 - 1915
HS6-SC14	Surface	-	1	Whiteware	flow blue	1840 - 1860

Shovel Test/Surface Collect	Stratum	Depth (cmbs)	Count	Description	Comments	Production Date Range
HS6-SC15	Surface	-	1	Flat glass	aqua	
HS6-SC15	Surface	-	1	Redware	brown lead glaze	
HS6-SC15	Surface	-	1	Stoneware	gray salt-glaze; unglazed interior	
HS6-SC16	Surface	-	2	Whiteware	blue transfer print	1820 - 1860
HS6-SC16	Surface	-	1	White refined earthenware	blue edge	
HS6-SC17	Surface	-	2	Whiteware	blue transfer print	1820 - 1860
HS6-SC17	Surface	-	2	Whiteware	(1) black hand-painted underglaze; (1) plain	1810 +
HS6-SC17	Surface	-	1	Ironstone	plain	
HS6-SC18	Surface	-	1	Pearlware/Whiteware	embossed edge pattern w/blue glaze	
HS6-SC18	Surface	-	1	Redware	clear lead glaze	
HS6-SC18	Surface	-	1	Unidentified vessel glass	clear	
HS6-SC18	Surface	-	1	Whiteware	plain rim fragment w/gilded band	
HS6-SC19	Surface	-	2	Whiteware	plain	
HS6-SC19	Surface	-	1	Button	milk glass; two holes	1840 - 1940
HS6-SC19	Surface	-	1	Stoneware	black glaze ext./int. unglazed	
HS6-SC19	Surface	-	1	Unidentified bottle-type fragment	amber; "[Dura]glas"; possible Clorox bottle fragment	1940 - 1965
HS6-SC19	Surface	-	1	Unidentified bottle-type fragment	clear; "... 9016" "19"	
HS6-SC19	Surface	-	1	Unidentified plastic fragment	dark blue, thin	
HS6-SC19	Surface	-	1	Whiteware	flow blue	
HS6-SC19	Surface	-	1	Yellowware	Rockingham/Bennington glaze	
HS6-SC20	Surface	-	2	Machine-made bottle	amber: (1) base fragment, (1) body fragment	1903 +
HS6-SC20	Surface	-	1	Miscellaneous glass	green & amber glass, fused	
HS6-SC20	Surface	-	1	Whiteware	plain	1810 +
HS6-SC21	Surface	-	1	Machine-made bottle	base, clear; "[MI]SSION DRY CO"/2 {P} 44"	1923 - 1956
HS6-SC21	Surface	-	1	Redware	clear lead glaze interior & exterior	
HS6-SC21	Surface	-	1	Shoe heel	rubber & fabric; children or adult women's size	
HS6-SC21	Surface	-	1	Unidentified bottle-type fragment	blue	
HS7.07	1	0-24	3	Whiteware	flow blue	1840 - 1860
HS7.07	1	0-24	2	Whiteware	plain	1810 +
HS7.07	1	0-24	1	Flat glass	aqua	
HS7.07	1	0-24	1	Redware	clear lead glaze	
HS7.07	1	0-24	1	Whiteware	blue transfer print	1826 - 1831

Shovel Test/Surface Collect	Stratum	Depth (cmbs)	Count	Description	Comments	Production Date Range
HS7.07	2	24-34	3	Whiteware	plain	1810 +
HS7.07	2	24-34	2	Flat glass	aqua	
HS7.07	2	24-34	2	Ironstone	plain	1840 +
HS7.07	2	24-34	1	Barbed wire	3.5 in.	1885 +
HS7.09	1	0-48	3	Whiteware	plain	1810 +
HS7.09	1	0-48	1	Cut nail	20d	
HS7.09	1	0-48	1	Flat glass	clear	
HS7.09	1	0-48	1	Stoneware	gray salt-glaze; Albany slip int.	
HS7.09	1	0-48	1	Whiteware	green transfer print	1829 - 1839
HS7.11	1	0-24	5	Whiteware	(2) plain; (2) blue handpainted; (1) blue transfer pattern	
HS7.11	1	0-24	2	Cut nails	(1) 40d; (1) frag w/head	1810 - 1900
HS7.11	1	0-24	1	Flat glass	aqua	
HS7.12	1	0-29	14	Whiteware	blue transfer print w/ 1 mend (partial maker's mark)	1840 - 1860
HS7.12	1	0-29	1	Redware	unglazed	
HS7.12	1	0-29	1	Whiteware	plain	1810 +
HS7.13	1	0-27	2	Whiteware	polychrome handpainted	1830 - 1860
HS7.13	1	0-27	1	Flat glass	aqua	
HS7.13	1	0-27	1	Pearlware	unmolded edge; blue feathering	1850 - 1897
HS7.13	1	0-27	1	Whiteware	blue transfer print	1826 - 1831
HS7.13	1	0-27	1	Whiteware	flow blue	1840 - 1860
HS7.13	1	0-27	1	Whiteware	plain	1810 +
HS7.13	1	0-27	1	Wire nail	15d	1885 +
HS7.16	1	0-28	1	Redware	clear lead glaze	
HS7.16	1	0-28	1	Whiteware	flow blue	1840 - 1860
HS7.16	1	0-28	1	Whiteware	plain	1810 +
HS7-SC01	Surface	-	1	Canning jar lip	glass, amethyst	1880 - 1915
HS7-SC02	Surface	-	1	Ironstone	plain	1840 +
HS7-SC03	Surface	-	1	Whiteware	plain	1810 +
HS7-SC04	Surface	-	1	Ironstone	plain	1840 +
HS7-SC04	Surface	-	1	Whiteware	blue hand painted	1810 +
HS7-SC05	Surface	-	1	Whiteware	flow blue	1840 - 1860
HS7-SC06	Surface	-	2	Whiteware	flow blue	1840 - 1860

Shovel Test/Surface Collect	Stratum	Depth (cmbs)	Count	Description	Comments	Production Date Range
HS7-SC06	Surface	-	1	White refined earthenware	whiteware or pearlware; blue handpainted or transfer print	
HS7-SC06	Surface	-	1	Whiteware	blue transfer print	1826 - 1831
HS7-SC07	Surface	-	1	Redware	clear lead glaze interior	
HS7-SC08	Surface	-	1	Pearlware	molded shell edge; blue feathering	1820 - 1845
HS7-SC09	Surface	-	1	Pearlware	molded shell edge; blue feathering	1820 - 1845
HS7-SC10	Surface	-	1	Stoneware	gray salt-glaze; Albany slip int.	
HS7-SC10	Surface	-	1	White refined earthenware	plain	
HS7-SC11	Surface	-	1	Redware	brown, iridescent glaze	
HS7-SC12	Surface	-	1	Stoneware	gray salt-glaze; unglazed interior	
HS7-SC13	Surface	-	2	Stoneware	Bristol glaze w/Albany slip interior	1810 - 1920
HS7-SC13	Surface	-	1	Stoneware	brown salt-glaze int./Albany slip ext.	1810 - 1920
HS7-SC14	Surface	-	1	Whiteware	flow blue	1840 - 1860
HS7-SC15	Surface	-	1	Whiteware	blue hand painted	1810 - 1825
HS7-SC16	Surface	-	1	Whiteware	plain	1810 +
HS8.06	1	0-21	1	Unidentified bottle-type fragment	clear	
HS9.09	1	0-25	1	Button	milk glass; four holes	
HS9.09	1	0-25	1	Tack	ferrous	
HS9.11	1	0-30	1	Faunal/bone	joint; broken	
HS9.11	1	0-30	1	Whiteware	cobalt glaze	
HS9.15	1	0-30	1	Whiteware	plain	1810 +
HS9.15	1	0-30	1	Flat glass	aqua	

318 Total Artifacts

Appendix G

NYSOPRHP Archeological Site Inventory Forms

NEW YORK STATE PREHISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION
(518) 237-8643

Bernadette Castro
Commissioner

For Office Use Only--Site Identifier

Project Identifier Copenhagen Wind Farm Phase IB Date 01-02-2014
Your Name T. Arron Kotlensky, RPA Phone (315) 471-0688
Address Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, D.P.C., 217 Montgomery Street, Suite 1000, Syracuse, NY 13202

Organization (if any)
1. SITE IDENTIFIER(S) Number Three Road Site 1

2. COUNTY Lewis One of the following: CITY ____
TOWNSHIP Denmark
INCORPORATED VILLAGE ____
UNINCORPORATED VILLAGE OR HAMLET ____

3. PRESENT OWNER
Address Andrew Moser

4. SITE DESCRIPTION (check all appropriate categories):

Site

- [x] Stray Find
- [ ] Pictograph
- [ ] Burial
- [x] Surface Evidence
- [ ] Material below plow zone
- [ ] Single component
- [ ] Cave/Rockshelter
- [ ] Quarry
- [ ] Shell Midden
- [ ] Camp
- [ ] Buried evidence
- [ ] Evidence of features
- [ ] Multicomponent
- [ ] Workshop
- [ ] Mound
- [ ] Village
- [ ] Material in plow zone
- [ ] Intact Occupation floor
- [ ] Stratified

Location

- [x] Under cultivation
- [ ] Pastureland
- [ ] Upland
- [ ] Never cultivated
- [ ] Woodland
- [ ] Previously cultivated
- [ ] Floodplain
- [ ] Sustaining erosion

Soil Drainage: excellent [ ] good [x] fair [ ] poor [ ]
Slope: flat [ ] gentle [ ] moderate [x] steep [ ]
Distance to nearest water from site (approx.) 1,400 feet (427 m) southwest of site
Elevation: 1,280 feet (390 m) AMSL

5. SITE INVESTIGATION (append additional sheets, if necessary):
Surface--date(s) June 24, 2013
- [x] Site map (Submit with form)
- [ ] Collection

Subsurface--date(s) October 3, 2013
Testing: shovel [x] coring [ ] other ____ unit size
no. of units 60 (Phase 1) (Submit plan of units with form)
Excavation: unit size ____ no. of units

Investigator EDR Companies/T. Arron Kotlensky, RPA

Manuscript or published report(s) (reference fully):

Phase 1B Archeological Survey, Copenhagen Wind Farm, Town of Denmark, Lewis County, and Towns of Champion, Rutland, and Watertown, Jefferson County, New York, Prepared for OwnEnergy, Prepared by EDR Environmental Services, LLC, January 2014

Present repository of materials

EDR Companies, 217 Montgomery Street, Suite 1000, Syracuse, NY 13202

6. COMPONENT(S) (cultural affiliation/dates):

Unknown

7. LIST OF MATERIAL REMAINS (be specific as possible in identifying object and material):

(1) Precontact axe tool/"celt" - 16 cm (length) x 4.5 cm (max. width) x 2 cm (max. height); possibly basalt

If historic materials are evident, check here and fill out historic site form ☐

8. MAP REFERENCES

USGS 7.5 Minute Series Quad. Name Copenhagen, N.Y.

UTM Coordinates Zone 18 North (NAD 1983) N 4858475 E448226 (meters)

9. Photography See report.

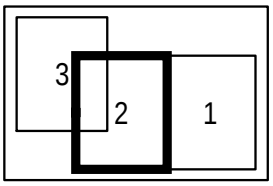
Copenhagen Wind Farm - Phase IB Archeological Survey

Town of Denmark, Lewis County, and Towns of Champion,
Rutland, and Watertown, Jefferson County, New York

Archeological Site Locator Maps Sheet 2 of 3

January 2014

Notes: Basemap: ESRI ArcGIS Online USA Topomaps Map Service



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NEW YORK STATE HISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION
(518) 237-8643

Bernadette Castro
Commissioner

For Office Use Only--Site Identifier_____

Project Identifier Copenhagen Wind Farm Phase IB

Name of Preparer T. Arron Kotlensky, RPA Date 01-03-2014

Address Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, D.P.C., 217 Montgomery Street, Suite 1000, Syracuse, NY 13202 Phone (315) 471-0688

Organization (if any)

1. SITE IDENTIFIER(S) Mud Street Historic Site 1 (also referred to as "Historic Site 1" or "HS 1" in the referenced report)

2. COUNTY Lewis One of the following: CITY_____
TOWNSHIP Denmark
INCORPORATED VILLAGE_____
UNINCORPORATED VILLAGE OR HAMLET_____

3. PRESENT OWNER
Address Moserdale Dairy, LLC

4. SITE DESCRIPTION (check all appropriate categories):Structure/site

Superstructure: ☐ complete ☐ partial ☐ collapsed ☑ not evident
Foundation: ☐ above ☐ below ☑ ground level ☐ not evident
Structural subdivisions apparent ☐ Only surface traces visible ☑
Buried traces detected ☑
List construction materials (be as specific as possible): Common red brick (from probable chimney), sheet metal

Grounds

Under cultivation ☐ Sustaining erosion ☐ Woodland ☑ Upland ☑
Never cultivated ☐ Previously cultivated ☐ Floodplain ☐ Pastureland ☐
Soil Drainage: ☐ excellent ☑ good ☐ fair ☐ poor
Distance to nearest water from structure (approx.): 1,500 feet (457 m) to west
Elevation: 1,230 feet (375 m) AMSL

5. Site Investigation (append additional sheets, if necessary):
Surface Collection -- date (s) N/A Site map (submit with form*)
Subsurface -- date(s) N/A
Testing: shovel ☐ coring ☐ other ☐ unit size _____
no. of units ____ (Submit plan of units with form*)

Excavation: unit size N/A no. of units _____
(Submit plan of units with form*)
* Submission should be 8 ½" by 11", if feasible

Investigator(s): Patrick J. Heaton, RPA, T. Arron Kotlensky, RPA

Manuscript or published report (s) (reference fully): Phase 1B Archeological Survey, Copenhagen Wind Farm, Town of Denmark, Lewis County, and Towns of Champion, Rutland, and Watertown, Jefferson County, New York, Prepared for OwnEnergy, Prepared by EDR Environmental Services, LLC, January 2014

Present repository of materials

6. Site inventory:

a. Date constructed or occupation period: Unknown but probably late 19th/early 20th c.

b. Previous owners, if known: Unknown

c. Modifications, if known: Unknown

(append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):

a. Historic map references

1) Name None Date _____ Source _____

Present location of original, if known: _____

2) Name None Date _____ Source _____

Present location of original, if known

b. Representation in existing photography: None

1) Photo date _____ Where located _____

2) Photo date _____ Where located _____

c. Primary and secondary source of documentation (reference fully): None known

d. Persons with memory of site:

1) Name None known Address _____

2) Name _____ Address _____

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material): Mud Street Historic Site 1 is most likely the remains of a former maple sugaring sap house, and includes a collapsed brick chimney, portions of a multi-plate cast iron stove, discarded milk cans (possibly used for collecting or boiling sap), segments of galvanized flue pipe, ferrous hardware, and bottle glass.

If prehistoric materials are evident, check here and fill out prehistoric site form.

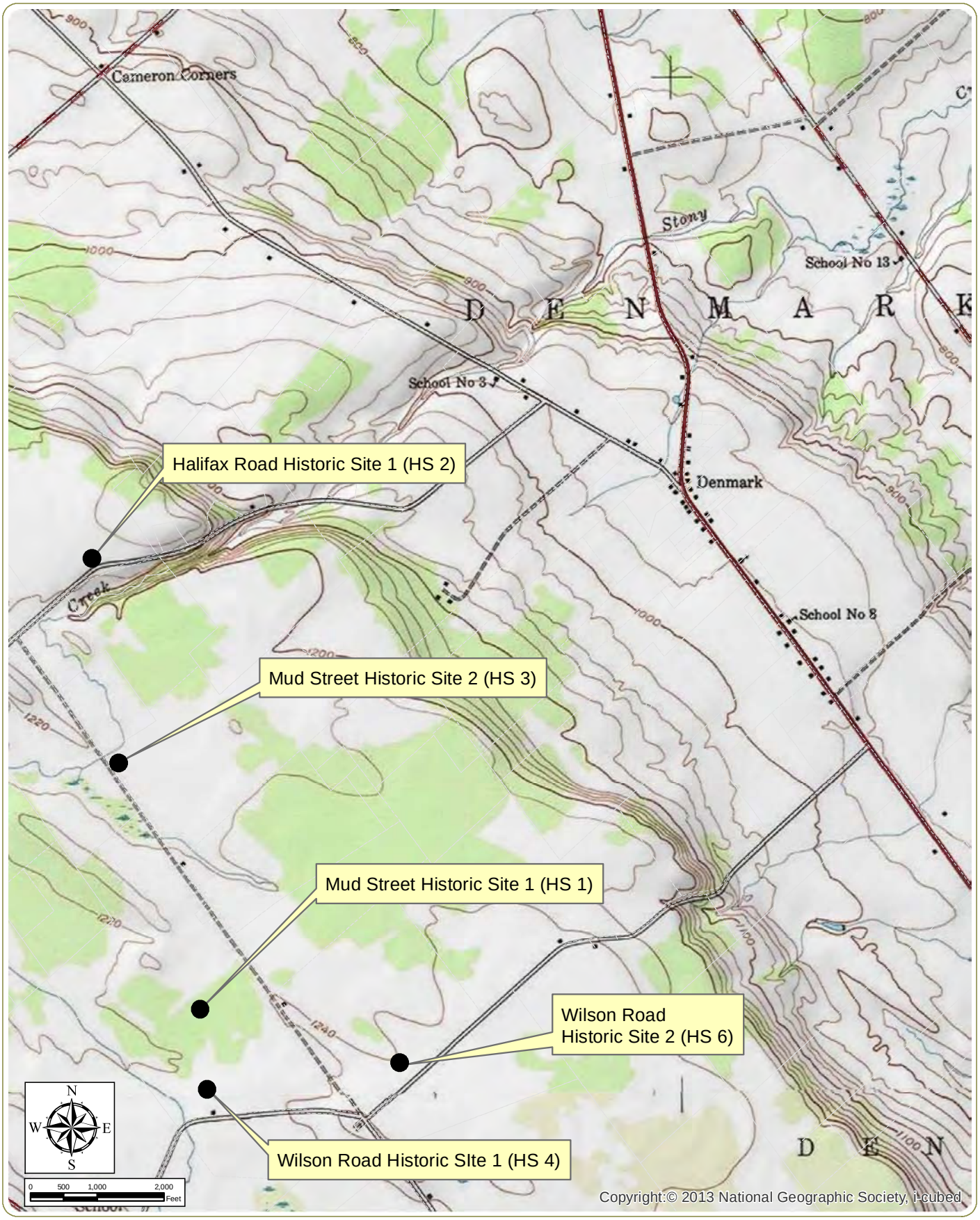
9. Map References: Map or maps showing exact location and extent of site must accompany this form and be identified by source and date. Keep this submission to 8½" x 11", if possible.

USGS 71/2 Minute Series Quad. Name: Copenhagen, N.Y.

For Office Use Only--UTM Coordinates: Zone 18 North (NAD 1983) N 4858592 E451033 (meters)

10. Photography (optional for environmental impact survey): Please submit a 5"x7" black and white print(s) showing the current state of the site. Provide a label for the print(s) on a separate sheet.

See report.



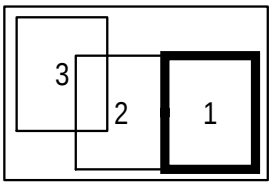
Copenhagen Wind Farm - Phase IB Archeological Survey

Town of Denmark, Lewis County, and Towns of Champion,
Rutland, and Watertown, Jefferson County, New York

Archeological Site Locator Maps Sheet 1 of 3

January 2014

Notes: Basemap: ESRI ArcGIS Online USA Topomaps Map Service



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NEW YORK STATE HISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION
(518) 237-8643

Bernadette Castro
Commissioner

For Office Use Only--Site Identifier_____

Project Identifier Copenhagen Wind Farm Phase IB

Name of Preparer T. Arron Kotlensky, RPA Date 01-02-2014

Address Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, D.P.C., 217 Montgomery Street, Suite 1000, Syracuse, NY 13202 Phone (315) 471-0688

Organization (if any)

1. SITE IDENTIFIER(S) Halifax Road Historic Site 1 (also referred to as "Historic Site 2" or "HS 2" in the referenced report)

2. COUNTY Lewis One of the following: CITY_____
TOWNSHIP Denmark
INCORPORATED VILLAGE_____
UNINCORPORATED VILLAGE OR HAMLET_____

3. PRESENT OWNER
Address Herbert Yancey

4. SITE DESCRIPTION (check all appropriate categories):Structure/site
Superstructure: ☐ complete ☑ partial ☑ collapsed ☐ not evident
Foundation: ☑ above ☑ below ☐ ground level ☐ not evident
Structural subdivisions apparent ☑ Only surface traces visible ☐
Buried traces detected ☐
List construction materials (be as specific as possible): Mortared field stone, mortar, concrete (both poured & block), hewn & sawn timbering, cut & wire nails

Grounds
Under cultivation ☐ Sustaining erosion ☐ Woodland ☐ Upland ☑
Never cultivated ☐ Previously cultivated ☐ Floodplain ☐ Pastureland ☑
Soil Drainage: ☑ excellent ☐ good ☐ fair ☐ poor
Distance to nearest water from structure (approx.): 630 feet (192 m) to southeast
Elevation: 1,200 feet (366 m) AMSL

5. Site Investigation (append additional sheets, if necessary):
Surface Collection -- date (s) N/A Site map (submit with form*)
Subsurface -- date(s) N/A
Testing: shovel ☐ coring ☐ other ☐ unit size _____
no. of units ____ (Submit plan of units with form*)

Excavation: unit size N/A no. of units _____
(Submit plan of units with form*)
* Submission should be 8 ½" by 11", if feasible

Investigator(s): Patrick J. Heaton, RPA, T. Arron Kotlensky, RPA

Manuscript or published report (s) (reference fully): Phase 1B Archeological Survey, Copenhagen Wind Farm, Town of Denmark, Lewis County, and Towns of Champion, Rutland, and Watertown, Jefferson County, New York, Prepared for OwnEnergy, Prepared by EDR Environmental Services, LLC, January 2014

Present repository of materials

6. Site inventory:

a. Date constructed or occupation period: Unknown but as early as 1875

b. Previous owners, if known: J. F. Lamphert (1875)

c. Modifications, if known: Unknown

(append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):

a. Historic map references

1) Name Beers map Date 1875 Source Atlas of Lewis County

Present location of original, if known: _____

2) Name USGS (15-minute) Date 1904 Source Carthage, N.Y.

Present location of original, if known

b. Representation in existing photography: None

1) Photo date _____ Where located _____

2) Photo date _____ Where located _____

c. Primary and secondary source of documentation (reference fully): None known

d. Persons with memory of site:

1) Name None known Address _____

2) Name _____ Address _____

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material): Halifax Road Historic Site 1 (referred to as "Historic Site 2" or "HS2" during completion of the Phase 1 survey) includes a house foundation and a collapsed barn structure. The two foundations are surrounded by several older hardwood trees (most likely intentionally planted for shade or ornamentation) and thick underbrush and ground cover, some of which was also likely planted as ornamentation (including a dense growth of Japanese knotweed along the southwestern side of the house foundation and a cluster of creeping myrtle and daylilies along the southeastern side or house front). EDR personnel did not observe any additional standing structures, outbuildings, or any obvious shaft features, such as wells, cisterns, or privies, surrounding either of the two structures. Although no currently proposed project components intersect with Halifax Road Historic Site 1, EDR completed a series of thirty shovel tests (C15.01 through C15.30) along a grassy, level, and open segment of access road that follows a route within 60 feet (18 m) of the northeastern side of the collapsed barn. EDR personnel recovered a total of zero (0) artifacts from these shovel tests and observed no buried archeological features along the access road route.

If prehistoric materials are evident, check here and fill out prehistoric site form.

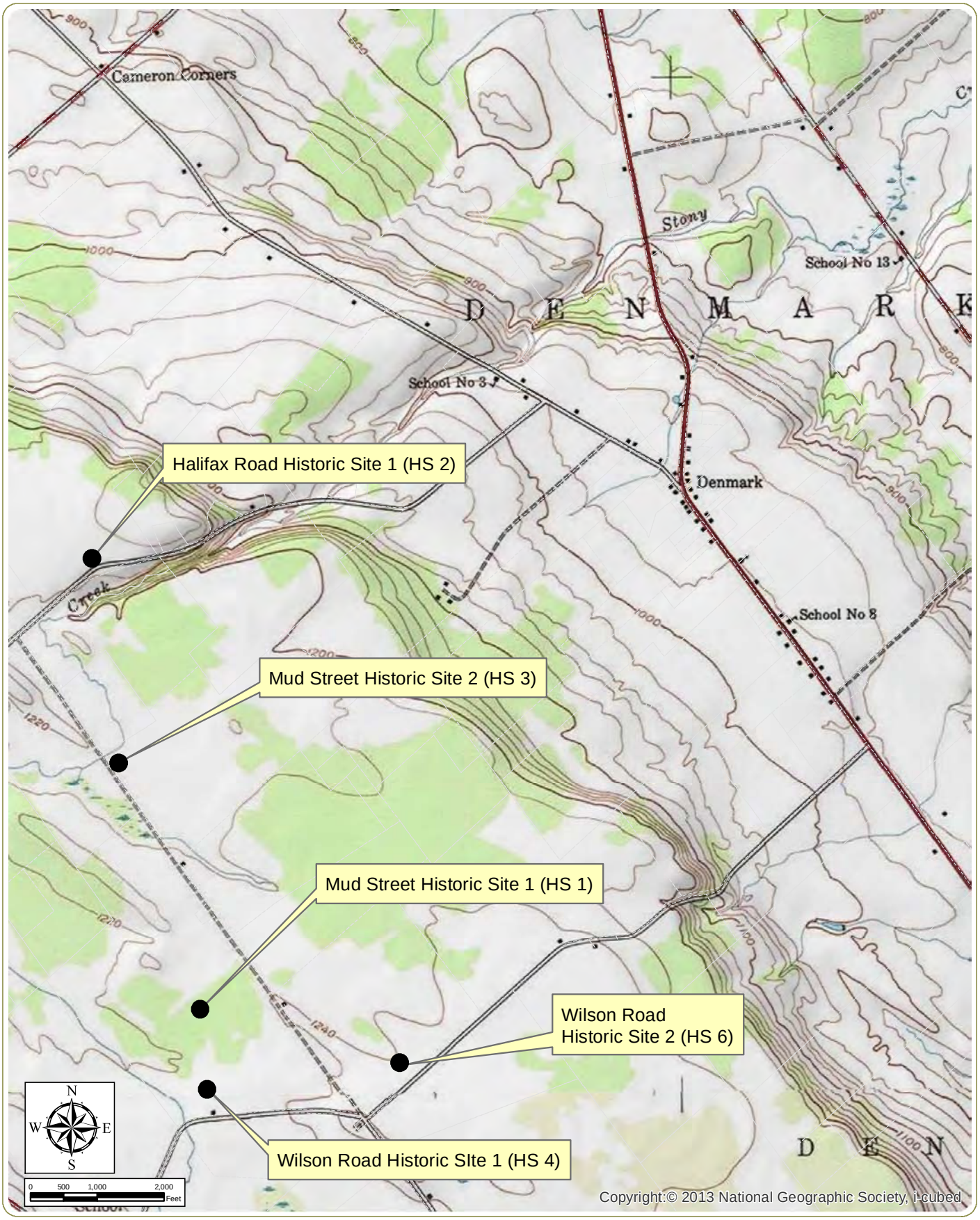
9. Map References: Map or maps showing exact location and extent of site must accompany this form and be identified by source and date. Keep this submission to 8½" x 11", if possible.

USGS 71/2 Minute Series Quad. Name: Copenhagen, N.Y.

For Office Use Only--UTM Coordinates: Zone 18 North (NAD 1983) N 4860632 E450528 (meters)

10. Photography (optional for environmental impact survey): Please submit a 5"x7" black and white print(s) showing the current state of the site. Provide a label for the print(s) on a separate sheet.

See report.



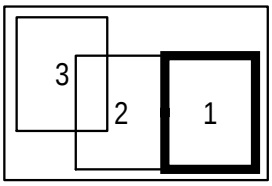
Copenhagen Wind Farm - Phase IB Archeological Survey

Town of Denmark, Lewis County, and Towns of Champion,
Rutland, and Watertown, Jefferson County, New York

Archeological Site Locator Maps Sheet 1 of 3

January 2014

Notes: Basemap: ESRI ArcGIS Online USA Topomaps Map Service



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NEW YORK STATE HISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION
(518) 237-8643

Bernadette Castro
Commissioner

For Office Use Only--Site Identifier_____

Project Identifier Copenhagen Wind Farm Phase IB

Name of Preparer T. Arron Kotlensky, RPA Date 01-03-2014

Address Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, D.P.C., 217 Montgomery Street, Suite 1000, Syracuse, NY 13202 Phone (315) 471-0688

Organization (if any)

1. SITE IDENTIFIER(S) Mud Street Historic Site 2 (also referred to as "Historic Site 3" or "HS 3" in the referenced report)

2. COUNTY Lewis One of the following: CITY_____
TOWNSHIP Denmark
INCORPORATED VILLAGE_____
UNINCORPORATED VILLAGE OR HAMLET_____

3. PRESENT OWNER
Address Lowell Gingerich

4. SITE DESCRIPTION (check all appropriate categories):Structure/site

Superstructure: ☐ complete ☐ partial ☐ collapsed ☑ not evident
Foundation: ☑ above ☑ below ☐ ground level ☐ not evident
Structural subdivisions apparent ☐ Only surface traces visible ☐
Buried traces detected ☐
List construction materials (be as specific as possible): Mortared field stone, mortar, concrete (poured)

Grounds

Under cultivation ☐ Sustaining erosion ☐ Woodland ☐ Upland ☑
Never cultivated ☐ Previously cultivated ☐ Floodplain ☐ Pastureland ☑
Soil Drainage: ☑ excellent ☐ good ☐ fair ☐ poor
Distance to nearest water from structure (approx.): 180 feet (55 m) to northwest
Elevation: 1,220 feet (372 m) AMSL

5. Site Investigation (append additional sheets, if necessary):
Surface Collection -- date (s) N/A Site map (submit with form*)
Subsurface -- date(s) 10-03-2013
Testing: shovel ☑ coring ☐ other ☐ unit size 30 cm diameter
no. of units 12 (Submit plan of units with form*)

Excavation: unit size N/A no. of units _____
(Submit plan of units with form*)
* Submission should be 8 ½" by 11", if feasible

Investigator(s): Patrick J. Heaton, RPA, T. Arron Kotlensky, RPA

Manuscript or published report (s) (reference fully): Phase 1B Archeological Survey, Copenhagen Wind Farm, Town of Denmark, Lewis County, and Towns of Champion, Rutland, and Watertown, Jefferson County, New York, Prepared for OwnEnergy, Prepared by EDR Environmental Services, LLC, January 2014

Present repository of materials

6. Site inventory:

a. Date constructed or occupation period: Unknown but as early as 1875

b. Previous owners, if known: A. Anstin (1875)

c. Modifications, if known: Unknown

(append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):

a. Historic map references

1) Name Beers map Date 1875 Source Atlas of Lewis County

Present location of original, if known: _____

2) Name USGS (15-minute) Date 1904 Source Carthage, N.Y.

Present location of original, if known

b. Representation in existing photography: None

1) Photo date _____ Where located _____

2) Photo date _____ Where located _____

c. Primary and secondary source of documentation (reference fully): None known

d. Persons with memory of site:

1) Name None known Address _____

2) Name _____ Address _____

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material): Mud Street Historic Site 2 (referred to as "Historic Site 3" or "HS3" during completion of the Phase 1 survey) includes two masonry foundations. The two foundations are parallel to the north side of an active farm lane and within an open and active dairy pasture. EDR identified Mud Street Historic Site 2 on the 1875 Beers' Atlas of Lewis County but does not appear on the subsequent 1904 USGS Watertown, N.Y. 15-minute topographic quadrangle map. The 1875 Beers' Atlas labels "A. Anstin" as the occupant of the site, suggesting that at least one of the foundations was associated with a house or other domestic occupation. Although no currently proposed project components intersect with Mud Street Historic Site 2, EDR completed a series of twelve shovel tests (C16.01 through C16.12) in two transects parallel to the foundations (with six shovel tests on either side of the farm lane) in the event that the current farm lane is reconsidered for use as an access road route. EDR personnel recovered a total of 26 artifacts from these shovel tests but observed no additional archeological features within any of the twelve shovel tests. Half of the total recovered artifacts (13 in total) are concentrated in the shovel tests closest to the largest of the two foundations, with a majority of the concentration composed of domestic materials, dating from the mid- to late nineteenth century.

If prehistoric materials are evident, check here and fill out prehistoric site form.

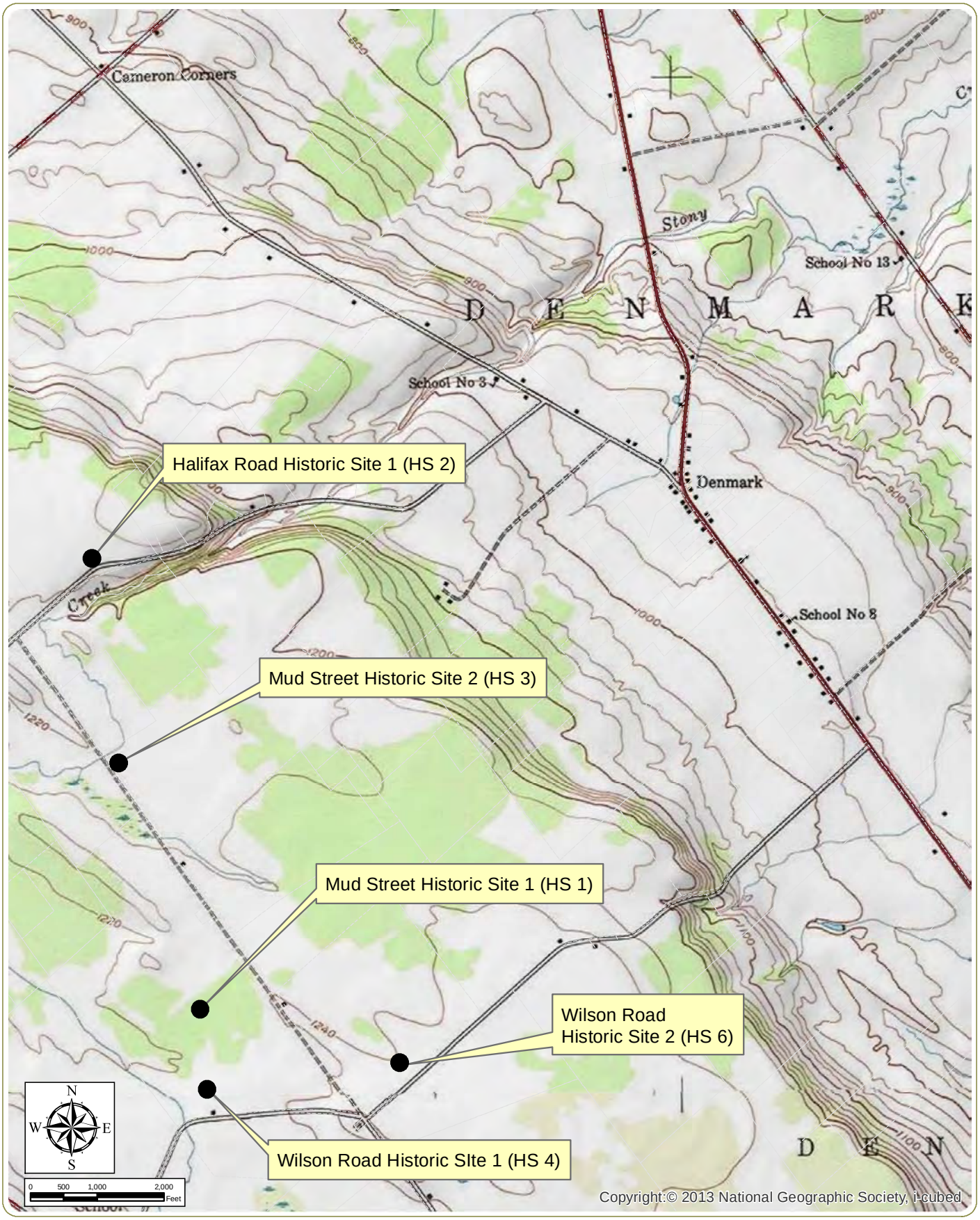
9. Map References: Map or maps showing exact location and extent of site must accompany this form and be identified by source and date. Keep this submission to 8½" x 11", if possible.

USGS 71/2 Minute Series Quad. Name: Copenhagen, N.Y.

For Office Use Only--UTM Coordinates: Zone 18 North (NAD 1983) N 4859694 E450614 (meters)

10. Photography (optional for environmental impact survey): Please submit a 5"x7" black and white print(s) showing the current state of the site. Provide a label for the print(s) on a separate sheet.

See report.



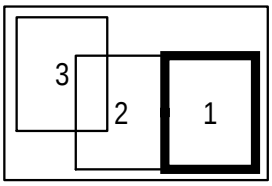
Copenhagen Wind Farm - Phase IB Archeological Survey

Town of Denmark, Lewis County, and Towns of Champion,
Rutland, and Watertown, Jefferson County, New York

Archeological Site Locator Maps Sheet 1 of 3

January 2014

Notes: Basemap: ESRI ArcGIS Online USA Topomaps Map Service



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NEW YORK STATE HISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION
(518) 237-8643

Bernadette Castro
Commissioner

For Office Use Only--Site Identifier_____

Project Identifier Copenhagen Wind Farm Phase IB

Name of Preparer T. Arron Kotlensky, RPA Date 01-03-2014

Address Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, D.P.C., 217 Montgomery Street, Suite 1000, Syracuse, NY 13202 Phone (315) 471-0688

Organization (if any)

1. SITE IDENTIFIER(S) Wilson Road Historic Site 1 (also referred to as "Historic Site 4" or "HS 4" in the referenced report)

2. COUNTY Lewis One of the following: CITY_____
TOWNSHIP Denmark
INCORPORATED VILLAGE_____
UNINCORPORATED VILLAGE OR HAMLET_____

3. PRESENT OWNER
Address Moserdale Dairy, LLC

4. SITE DESCRIPTION (check all appropriate categories):Structure/site

Superstructure: ☐ complete ☐ partial ☐ collapsed ☑ not evident
Foundation: ☐ above ☐ below ☐ ground level ☑ not evident
Structural subdivisions apparent ☐ Only surface traces visible ☐
Buried traces detected ☐
List construction materials (be as specific as possible): Fieldstone (concealed by pushpiles), broken concrete

Grounds

Under cultivation ☐ Sustaining erosion ☐ Woodland ☐ Upland ☑
Never cultivated ☐ Previously cultivated ☐ Floodplain ☐ Pastureland ☐
Soil Drainage: ☐ excellent ☑ good ☐ fair ☐ poor
Distance to nearest water from structure (approx.): 500 feet (152 m) to west
Elevation: 1,220 feet (372 m) AMSL

5. Site Investigation (append additional sheets, if necessary):
Surface Collection -- date (s) N/A Site map (submit with form*)
Subsurface -- date(s) N/A
Testing: shovel ☐ coring ☐ other ☐ unit size _____
no. of units ____ (Submit plan of units with form*)

Excavation: unit size N/A no. of units _____
(Submit plan of units with form*)
* Submission should be 8 ½" by 11", if feasible

Investigator(s): Patrick J. Heaton, RPA, T. Arron Kotlensky, RPA

Manuscript or published report (s) (reference fully): Phase 1B Archeological Survey, Copenhagen Wind Farm, Town of Denmark, Lewis County, and Towns of Champion, Rutland, and Watertown, Jefferson County, New York, Prepared for OwnEnergy, Prepared by EDR Environmental Services, LLC, January 2014

Present repository of materials

6. Site inventory:

a. Date constructed or occupation period: Unknown but as early as 1875

b. Previous owners, if known: R. B. Wilson (1875)

c. Modifications, if known: Unknown

(append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):

a. Historic map references

1) Name Beers map Date 1875 Source Atlas of Lewis County

Present location of original, if known: _____

2) Name USGS (15-minute) Date 1904 Source Carthage, N.Y.

Present location of original, if known

b. Representation in existing photography: None

1) Photo date _____ Where located _____

2) Photo date _____ Where located _____

c. Primary and secondary source of documentation (reference fully): None known

d. Persons with memory of site:

1) Name None known Address _____

2) Name _____ Address _____

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material): Wilson Road Historic Site 1 (referred to as "Historic Site 4" or "HS4" during completion of the Phase 1 survey) is composed of large (up to 10 feet high) piles of field stones, concrete rubble, and discarded agricultural equipment and appliances, mounded over a rough, rectilinear area that most likely encompassed a former house or farm site that is depicted on two period maps: the 1875 Beers' Atlas of Lewis County and the 1904 USGS Carthage, N.Y. 15-minute topographic quadrangle map. Due to the location of the mounds and thick underbrush, EDR personnel were not able to identify any definitive foundation segments or other structural traces; however, additional pedestrian reconnaissance of the area surrounding piles yielded no evidence of structural traces, suggesting that the mounds and brush conceal the remains of a former structure or structures. An active farm lane is also located to the west of the site area that intersects Wilson Road.

If prehistoric materials are evident, check here and fill out prehistoric site form.

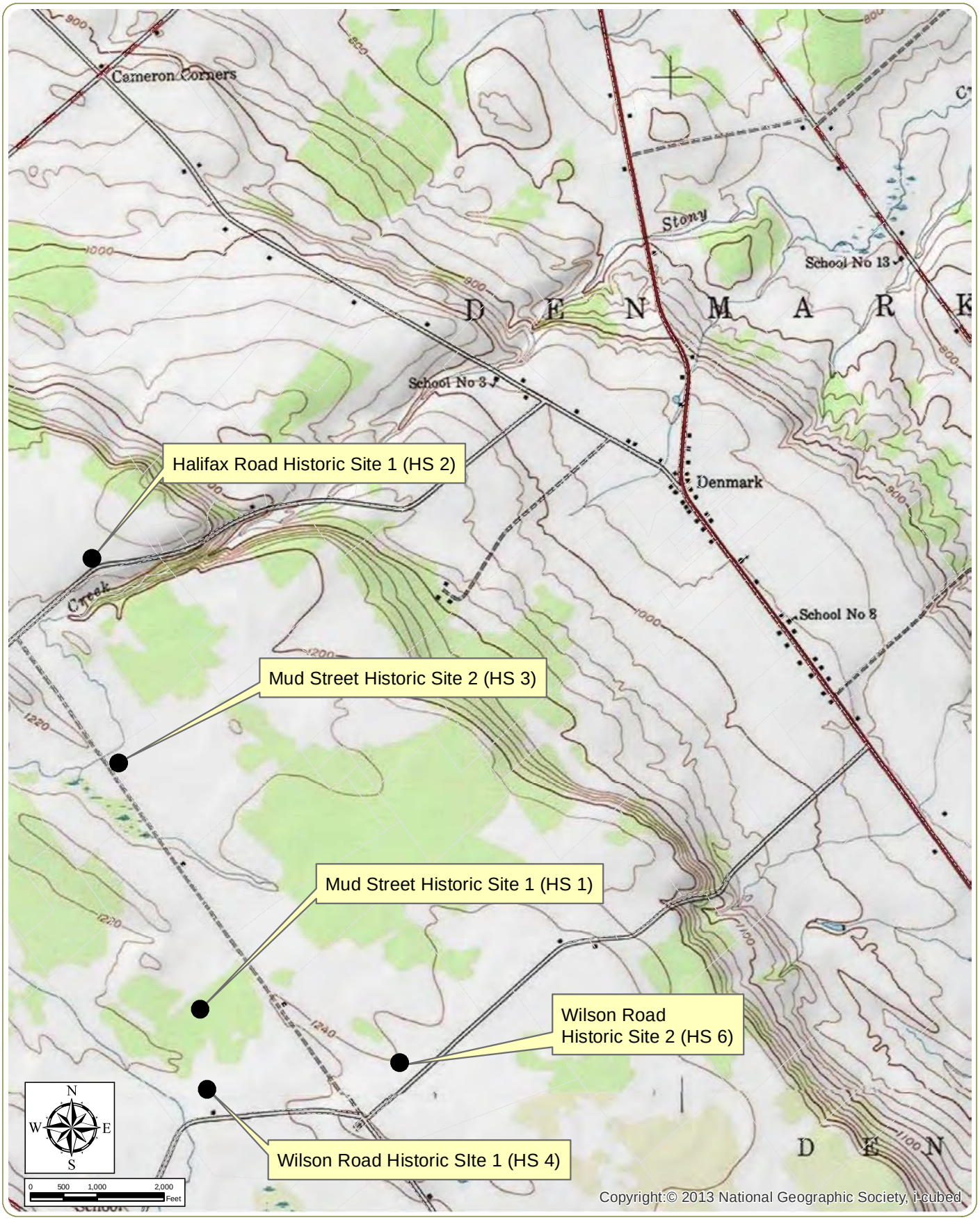
9. Map References: Map or maps showing exact location and extent of site must accompany this form and be identified by source and date. Keep this submission to 8½" x 11", if possible.

USGS 71/2 Minute Series Quad. Name: Copenhagen, N.Y.

For Office Use Only--UTM Coordinates: Zone 18 North (NAD 1983) N 4858138 E451027 (meters)

10. Photography (optional for environmental impact survey): Please submit a 5"x7" black and white print(s) showing the current state of the site. Provide a label for the print(s) on a separate sheet.

See report.



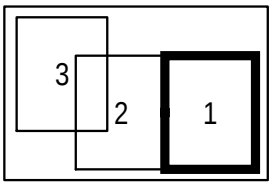
Copenhagen Wind Farm - Phase IB Archeological Survey

Town of Denmark, Lewis County, and Towns of Champion,
Rutland, and Watertown, Jefferson County, New York

Archeological Site Locator Maps Sheet 1 of 3

January 2014

Notes: Basemap: ESRI ArcGIS Online USA Topomaps Map Service



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NEW YORK STATE HISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION
(518) 237-8643

Bernadette Castro
Commissioner

For Office Use Only--Site Identifier_____

Project Identifier Copenhagen Wind Farm Phase IB

Name of Preparer T. Arron Kotlensky, RPA Date 01-03-2014

Address Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, D.P.C., 217 Montgomery Street, Suite 1000, Syracuse, NY 13202 Phone (315) 471-0688

Organization (if any)

1. SITE IDENTIFIER(S) Roberts Road Historic Site 1 (also referred to as "Historic Site 5" or "HS 5" in the referenced report)

2. COUNTY Lewis One of the following: CITY_____
TOWNSHIP Denmark
INCORPORATED VILLAGE_____
UNINCORPORATED VILLAGE OR HAMLET_____

3. PRESENT OWNER
Address Gene D. Bolton

4. SITE DESCRIPTION (check all appropriate categories): Structure/site

Superstructure: ☐ complete ☐ partial ☐ collapsed ☑ not evident
Foundation: ☑ above ☑ below ☐ ground level ☐ not evident
Structural subdivisions apparent ☑ Only surface traces visible ☐
Buried traces detected ☐
List construction materials (be as specific as possible): Mortared fieldstone, mortar, concrete (poured)

Grounds

Under cultivation ☑ Sustaining erosion ☐ Woodland ☐ Upland ☑
Never cultivated ☐ Previously cultivated ☐ Floodplain ☐ Pastureland ☐
Soil Drainage: ☑ excellent ☐ good ☐ fair ☐ poor
Distance to nearest water from structure (approx.): 1,300 feet (396 m) to northwest
Elevation: 1,240 feet (378 m) AMSL

5. Site Investigation (append additional sheets, if necessary):
Surface Collection -- date (s) N/A Site map (submit with form*)
Subsurface -- date(s) 10-22-2013
Testing: shovel ☑ coring ☐ other ☐ unit size 30 cm diameter
no. of units 30 (Submit plan of units with form*)

Excavation: unit size N/A no. of units _____
(Submit plan of units with form*)
* Submission should be 8 ½" by 11", if feasible

Investigator(s): Patrick J. Heaton, RPA, T. Arron Kotlensky, RPA

Manuscript or published report (s) (reference fully): Phase 1B Archeological Survey, Copenhagen Wind Farm, Town of Denmark, Lewis County, and Towns of Champion, Rutland, and Watertown, Jefferson County, New York, Prepared for OwnEnergy, Prepared by EDR Environmental Services, LLC, January 2014

Present repository of materials

6. Site inventory:

a. Date constructed or occupation period: Unknown but as early as 1875

b. Previous owners, if known: E. Cook (1875)

c. Modifications, if known: Unknown

(append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):

a. Historic map references

1) Name Beers map Date 1875 Source Atlas of Lewis County

Present location of original, if known: _____

2) Name USGS (15-minute) Date 1904 Source Carthage, N.Y.

Present location of original, if known

b. Representation in existing photography: None

1) Photo date _____ Where located _____

2) Photo date _____ Where located _____

c. Primary and secondary source of documentation (reference fully): None known

d. Persons with memory of site:

1) Name None known Address _____

2) Name _____ Address _____

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material): Roberts Road Historic Site 1 (referred to as "Historic Site 5" or "HS5" during completion of the Phase 1 survey) includes a probable house foundation and a barn foundation. The site is depicted on two period maps: the 1875 Beers' Atlas of Lewis County and the 1904 USGS Carthage N.Y. 15-minute topographic quadrangle. Both foundations parallel an active farm lane that intersects Roberts Road, while the probable house foundation is surrounded by abandoned apple orchards and other possible ornamental trees. The site includes a stone-lined well near to the east corner of the house foundation. The probable barn foundation is largely decayed and as a result, difficult to measure more closely to its final dimensions. EDR personnel completed a total of 30 shovel to test for any buried archeological features or deposits that the route of the buried interconnect might intersect with in the vicinity of Roberts Road Historic Site 1. In total, EDR recovered 4 artifacts from 3 shovel tests that included clear bottle glass, white refined earthenware with a blue tint (possibly pearlware), vessel glass with green and milk swirling, and whiteware with green transfer print.

If prehistoric materials are evident, check here and fill out prehistoric site form.

9. Map References: Map or maps showing exact location and extent of site must accompany this form and be identified by source and date. Keep this submission to 8½" x 11", if possible.

USGS 71/2 Minute Series Quad. Name: Copenhagen, N.Y.

For Office Use Only--UTM Coordinates: Zone 18 North (NAD 1983) N 4860803 E448290 (meters)

10. Photography (optional for environmental impact survey): Please submit a 5"x7" black and white print(s) showing the current state of the site. Provide a label for the print(s) on a separate sheet.

See report.

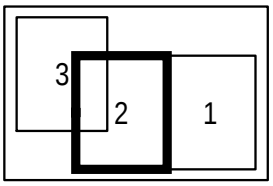
Copenhagen Wind Farm - Phase IB Archeological Survey

Town of Denmark, Lewis County, and Towns of Champion,
Rutland, and Watertown, Jefferson County, New York

Archeological Site Locator Maps Sheet 2 of 3

January 2014

Notes: Basemap: ESRI ArcGIS Online USA Topomaps Map Service



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NEW YORK STATE HISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION
(518) 237-8643

Bernadette Castro
Commissioner

For Office Use Only--Site Identifier_____

Project Identifier Copenhagen Wind Farm Phase IB

Name of Preparer T. Arron Kotlensky, RPA Date 01-03-2014

Address Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, D.P.C., 217 Montgomery Street, Suite 1000, Syracuse, NY 13202 Phone (315) 471-0688

Organization (if any)

1. SITE IDENTIFIER(S) Wilson Road Historic Site 2 (also referred to as "Historic Site 6" or "HS 6" in the referenced report)

2. COUNTY Lewis One of the following: CITY_____
TOWNSHIP Denmark
INCORPORATED VILLAGE_____
UNINCORPORATED VILLAGE OR HAMLET_____

3. PRESENT OWNER
Address Moserdale Dairy, LLC

4. SITE DESCRIPTION (check all appropriate categories): Structure/site

Superstructure: ☐ complete ☐ partial ☐ collapsed ☑ not evident
Foundation: ☐ above ☐ below ☐ ground level ☑ not evident
Structural subdivisions apparent ☐ Only surface traces visible ☐
Buried traces detected ☐
List construction materials (be as specific as possible): Common red brick, mortar, concrete

Grounds

Under cultivation ☑ Sustaining erosion ☐ Woodland ☐ Upland ☑
Never cultivated ☐ Previously cultivated ☐ Floodplain ☐ Pastureland ☐
Soil Drainage: ☐ excellent ☑ good ☐ fair ☐ poor
Distance to nearest water from structure (approx.): 3,500 feet (1,067 m) to northwest
Elevation: 1,240 feet (378 m) AMSL

5. Site Investigation (append additional sheets, if necessary):
Surface Collection -- date (s) 10-21-2013 Site map (submit with form*)
Subsurface -- date(s) 10-21-2013
Testing: shovel ☑ coring ☐ other ☐ unit size 30 cm diameter
no. of units 32 (Submit plan of units with form*)

Excavation: unit size N/A no. of units _____
(Submit plan of units with form*)
* Submission should be 8 ½" by 11", if feasible

Investigator(s): T. Arron Kotlensky, RPA

Manuscript or published report (s) (reference fully): Phase 1B Archeological Survey, Copenhagen Wind Farm, Town of Denmark, Lewis County, and Towns of Champion, Rutland, and Watertown, Jefferson County, New York, Prepared for OwnEnergy, Prepared by EDR Environmental Services, LLC, January 2014

Present repository of materials

6. Site inventory:

a. Date constructed or occupation period: Unknown but as early as 1875

b. Previous owners, if known: C. R. Stoddard (1875)

c. Modifications, if known: Unknown

(append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):

a. Historic map references

1) Name Beers map Date 1875 Source Atlas of Lewis County

Present location of original, if known: _____

2) Name USGS (15-minute) Date 1904 Source Carthage, N.Y.

Present location of original, if known

b. Representation in existing photography: None

1) Photo date _____ Where located _____

2) Photo date _____ Where located _____

c. Primary and secondary source of documentation (reference fully): None known

d. Persons with memory of site:

1) Name None known Address _____

2) Name _____ Address _____

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material): Wilson Road Historic Site 2 (referred to as "Historic Site 6" or "HS6" during completion of the Phase 1 survey) is a dense historic-period artifact scatter (including concentrations of common red brick and concrete rubble), located within an active agricultural field. The site was identified by EDR personnel through period map research and subsequently confirmed through completion a pedestrian survey of the field encompassing the route of the proposed buried interconnect with Turbines 23 and 24. The site is depicted on two period maps: the 1875 Beers' Atlas of Lewis County and the 1904 USGS Carthage, N.Y. 15-minute topographic quadrangle map. EDR personnel completed a total of 32 shovel tests along the proposed route of the buried interconnect. After completing the shovel tests, EDR personnel completed a close interval (5 m or less) pedestrian survey of the site, flagging artifacts with diagnostic for subsequent mapping and collection. In total, EDR personnel collected 68 artifacts through both shovel testing and pedestrian survey of the site. Both the surface collection and shovel test survey of the site revealed that the densest concentration of artifacts identified with the site is located 90 feet (27.4 m) northwest of Wilson Road and 50 feet (15 m) southeast of the proposed route of the buried interconnect.

If prehistoric materials are evident, check here and fill out prehistoric site form.

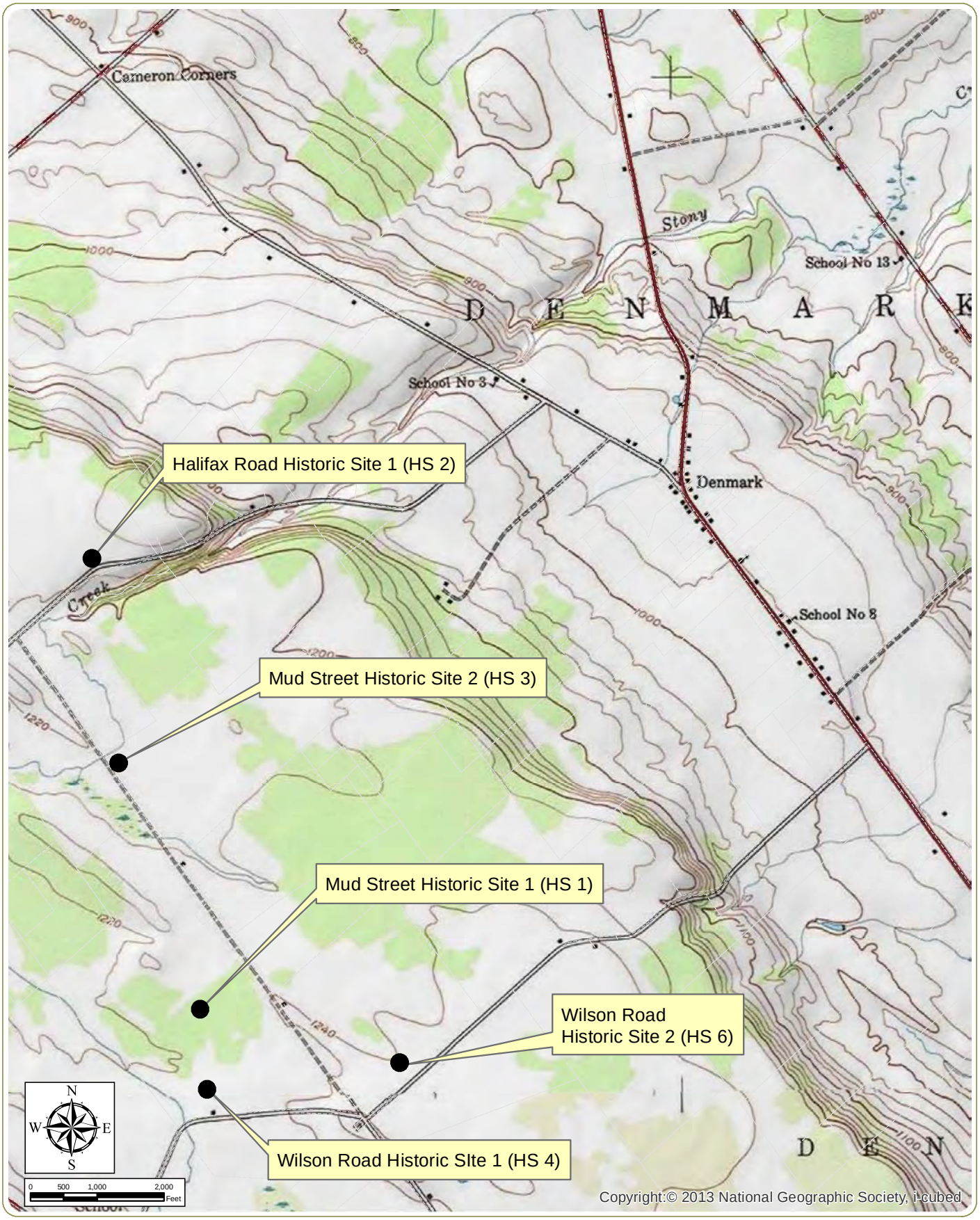
9. Map References: Map or maps showing exact location and extent of site must accompany this form and be identified by source and date. Keep this submission to 8½" x 11", if possible.

USGS 71/2 Minute Series Quad. Name: Copenhagen, N.Y.

For Office Use Only--UTM Coordinates: Zone 18 North (NAD 1983) N 4858274 E451910 (meters)

10. Photography (optional for environmental impact survey): Please submit a 5"x7" black and white print(s) showing the current state of the site. Provide a label for the print(s) on a separate sheet.

See report.



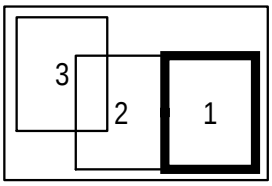
Copenhagen Wind Farm - Phase IB Archeological Survey

Town of Denmark, Lewis County, and Towns of Champion,
Rutland, and Watertown, Jefferson County, New York

Archeological Site Locator Maps Sheet 1 of 3

January 2014

Notes: Basemap: ESRI ArcGIS Online USA Topomaps Map Service



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NEW YORK STATE HISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION
(518) 237-8643

Bernadette Castro
Commissioner

For Office Use Only--Site Identifier_____

Project Identifier Copenhagen Wind Farm Phase IB

Name of Preparer T. Arron Kotlensky, RPA Date 01-03-2014

Address Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, D.P.C., 217 Montgomery Street, Suite 1000, Syracuse, NY 13202 Phone (315) 471-0688

Organization (if any)

1. SITE IDENTIFIER(S) Plank Road Historic Site 1 (also referred to as "Historic Site 7" or "HS 7" in the referenced report)

2. COUNTY Lewis One of the following: CITY_____
TOWNSHIP Denmark
INCORPORATED VILLAGE_____
UNINCORPORATED VILLAGE OR HAMLET_____

3. PRESENT OWNER
Address Michael T. Reed

4. SITE DESCRIPTION (check all appropriate categories):Structure/site

Superstructure: ☐ complete ☐ partial ☐ collapsed ☑ not evident
Foundation: ☐ above ☐ below ☐ ground level ☑ not evident
Structural subdivisions apparent ☐ Only surface traces visible ☐
Buried traces detected ☐
List construction materials (be as specific as possible): Common red brick

Grounds

Under cultivation ☑ Sustaining erosion ☐ Woodland ☐ Upland ☑
Never cultivated ☐ Previously cultivated ☐ Floodplain ☐ Pastureland ☐
Soil Drainage: ☐ excellent ☐ good ☑ fair ☐ poor
Distance to nearest water from structure (approx.): 360 feet (110 m) to northeast
Elevation: 1,180 feet (360 m) AMSL

5. Site Investigation (append additional sheets, if necessary):
Surface Collection -- date (s) 10-22-2013 Site map (submit with form*)
Subsurface -- date(s) 10-22-2013
Testing: shovel ☑ coring ☐ other ☐ unit size 30 cm diameter
no. of units 20 (Submit plan of units with form*)

Excavation: unit size N/A no. of units _____
(Submit plan of units with form*)
* Submission should be 8 ½" by 11", if feasible

Investigator(s): T. Arron Kotlensky, RPA

Manuscript or published report (s) (reference fully): Phase 1B Archeological Survey, Copenhagen Wind Farm, Town of Denmark, Lewis County, and Towns of Champion, Rutland, and Watertown, Jefferson County, New York, Prepared for OwnEnergy, Prepared by EDR Environmental Services, LLC, January 2014

Present repository of materials

6. Site inventory:

a. Date constructed or occupation period: Unknown but as early as 1875

b. Previous owners, if known: F. McNett (1875)

c. Modifications, if known: Unknown

(append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):

a. Historic map references

1) Name Beers map Date 1875 Source Atlas of Lewis County

Present location of original, if known: _____

2) Name USGS (15-minute) Date 1904 Source Carthage, N.Y.

Present location of original, if known

b. Representation in existing photography: None

1) Photo date _____ Where located _____

2) Photo date _____ Where located _____

c. Primary and secondary source of documentation (reference fully): None known

d. Persons with memory of site:

1) Name None known Address _____

2) Name _____ Address _____

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material): Plank Road Historic Site 1 (referred to as "Historic Site 7" or "HS7" during completion of the Phase 1 survey) includes a dense historic-period artifact scatter, located on a rise within an active agricultural field near the end of an active farm lane. The site was identified by EDR personnel through period map research and subsequently confirmed through completion of a pedestrian survey of the agricultural field encompassing the route of the proposed buried interconnect. EDR did not observe any recognizable structural features or depressions within or adjacent to the scatter that may have been associated with a former house or agricultural buildings. The site is depicted on two period maps: the 1875 Beers' Atlas of Lewis County and the 1904 USGS Watertown, N.Y. 15-minute topographic quadrangle map. Prior to completing shovel testing of the site, EDR personnel completed a close interval (5 m or less) pedestrian survey of the area encompassing the artifact scatter, flagging artifacts with diagnostic attributes for subsequent mapping and collection. After initially identifying the artifact scatter and its approximate dimensions, EDR personnel completed a total of 20 shovel tests in two transects along the proposed route of the buried interconnect. In total, EDR personnel collected 81 artifacts through both shovel testing and pedestrian survey of the site.

If prehistoric materials are evident, check here and fill out prehistoric site form.

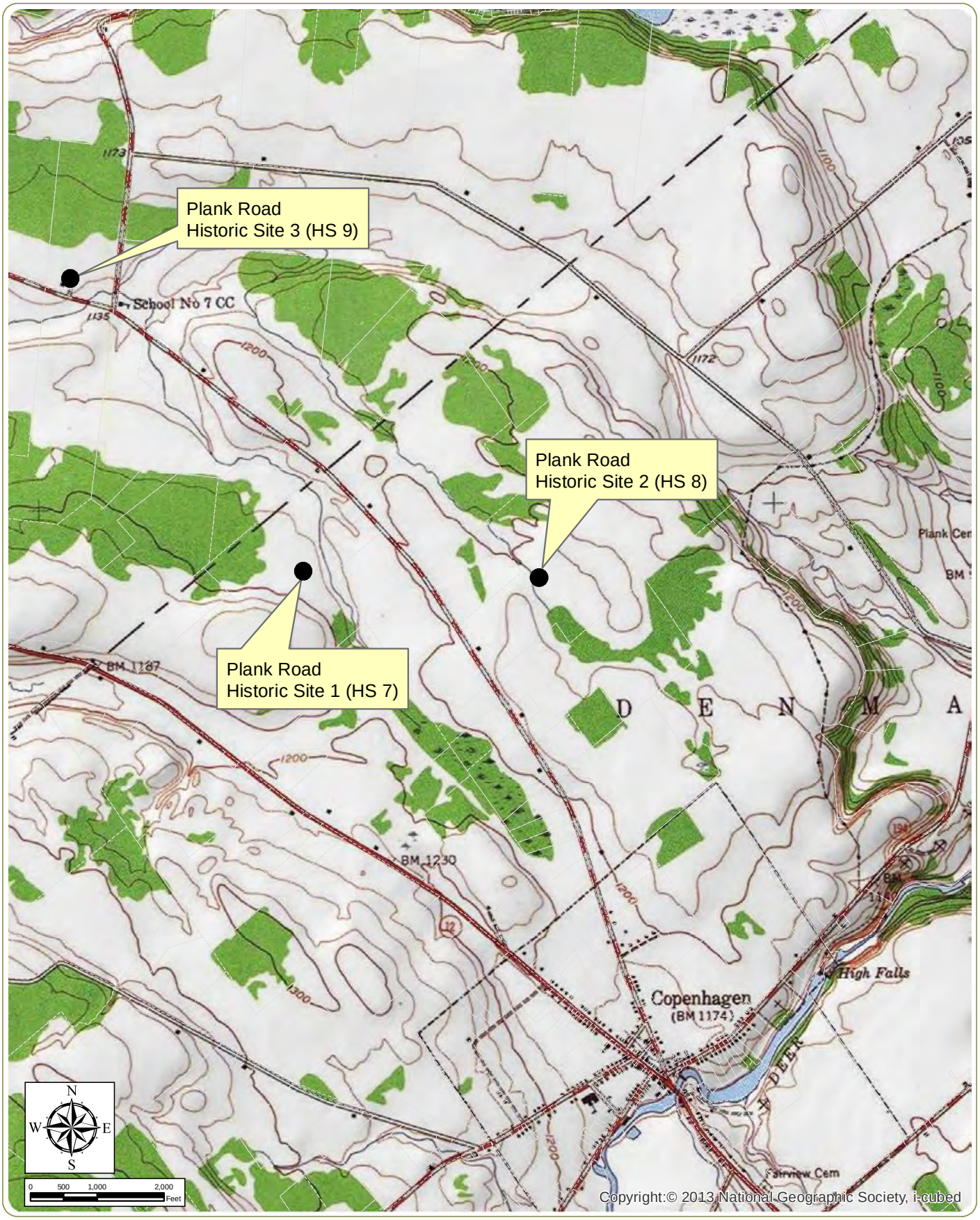
9. Map References: Map or maps showing exact location and extent of site must accompany this form and be identified by source and date. Keep this submission to 8½" x 11", if possible.

USGS 71/2 Minute Series Quad. Name: Copenhagen, N.Y.

For Office Use Only--UTM Coordinates: Zone 18 North (NAD 1983) N 4862556 E444364 (meters)

10. Photography (optional for environmental impact survey): Please submit a 5"x7" black and white print(s) showing the current state of the site. Provide a label for the print(s) on a separate sheet.

See report.



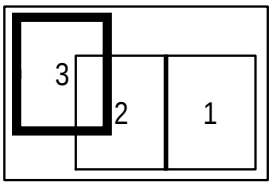
Copenhagen Wind Farm - Phase IB Archeological Survey

Town of Denmark, Lewis County, and Towns of Champion, Rutland, and Watertown, Jefferson County, New York

Archeological Site Locator Maps Sheet 3 of 3

January 2014

Notes: Basemap: ESRI ArcGIS Online USA Topomaps Map Service



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NEW YORK STATE HISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION
(518) 237-8643

Bernadette Castro
Commissioner

For Office Use Only--Site Identifier_____

Project Identifier Copenhagen Wind Farm Phase IB

Name of Preparer T. Arron Kotlensky, RPA Date 01-03-2014

Address Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, D.P.C., 217 Montgomery Street, Suite 1000, Syracuse, NY 13202 Phone (315) 471-0688

Organization (if any)

1. SITE IDENTIFIER(S) Plank Road Historic Site 2 (also referred to as "Historic Site 8" or "HS 8" in the referenced report)

2. COUNTY Lewis One of the following: CITY_____
TOWNSHIP Denmark
INCORPORATED VILLAGE_____
UNINCORPORATED VILLAGE OR HAMLET_____

3. PRESENT OWNER
Address Jasin F. Carroll

4. SITE DESCRIPTION (check all appropriate categories): Structure/site

Superstructure: ☐ complete ☐ partial ☐ collapsed ☑ not evident
Foundation: ☐ above ☐ below ☐ ground level ☑ not evident
Structural subdivisions apparent ☐ Only surface traces visible ☐
Buried traces detected ☐
List construction materials (be as specific as possible): Fieldstone

Grounds

Under cultivation ☑ Sustaining erosion ☐ Woodland ☐ Upland ☑
Never cultivated ☐ Previously cultivated ☐ Floodplain ☐ Pastureland ☐
Soil Drainage: ☐ excellent ☑ good ☐ fair ☐ poor
Distance to nearest water from structure (approx.): 80 feet (24 m) to west
Elevation: 1,210 feet (369 m) AMSL

5. Site Investigation (append additional sheets, if necessary):
Surface Collection -- date (s) N/A Site map (submit with form*)
Subsurface -- date(s) 10-22-2013
Testing: shovel ☑ coring ☐ other ☐ unit size 30 cm diameter
no. of units 12 (Submit plan of units with form*)

Excavation: unit size N/A no. of units _____
(Submit plan of units with form*)
* Submission should be 8 ½" by 11", if feasible

Investigator(s): T. Arron Kotlensky, RPA

Manuscript or published report (s) (reference fully): Phase 1B Archeological Survey, Copenhagen Wind Farm, Town of Denmark, Lewis County, and Towns of Champion, Rutland, and Watertown, Jefferson County, New York, Prepared for OwnEnergy, Prepared by EDR Environmental Services, LLC, January 2014

Present repository of materials

6. Site inventory:

a. Date constructed or occupation period: Unknown but as early as 1875

b. Previous owners, if known: R. Bart (1875)

c. Modifications, if known: Unknown

(append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):

a. Historic map references

1) Name Beers map Date 1875 Source Atlas of Lewis County

Present location of original, if known: _____

2) Name USGS (15-minute) Date 1904 Source Carthage, N.Y.

Present location of original, if known

b. Representation in existing photography: None

1) Photo date _____ Where located _____

2) Photo date _____ Where located _____

c. Primary and secondary source of documentation (reference fully): None known

d. Persons with memory of site:

1) Name None known Address _____

2) Name _____ Address _____

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material): Plank Road Historic Site 2 (referred to as "Historic Site 8" or "HS8" during completion of the Phase 1 survey) includes a large, artificial earthen mound formed over a rectilinear area that most likely encompasses a former house or farm site that was located on the north side of an active farm lane. EDR also noted several large fieldstones, exposed at the surface of the mound. The site is depicted on the 1875 Beers' Atlas of Lewis County and lists "R. Bart" as an occupant of the site. No definitive foundation segments or other structural traces (such as disarticulated brick or architectural stone) were visible on the surface within or adjacent to the mound; however, EDR personnel noted a light density of historic-period artifacts in a plowed field adjacent to the mound (whiteware and amber bottle glass fragments), on the opposite side of a road that borders the northeast margin of the mound. EDR personnel completed 8 shovel tests along the southeast margin of the mound and an additional 4 shovel tests on the opposite side of the road, along the route of the buried interconnect. Through shovel testing of Plank Road Historic Site 2, EDR discovered no buried features or deposits and recovered only 1 artifact: a clear bottle fragment from shovel test HS8.06. EDR also completed a pedestrian survey of the buried interconnect route on the southeastern side of the farm lane and identified no additional artifacts on the plowed ground surface.

If prehistoric materials are evident, check here and fill out prehistoric site form.

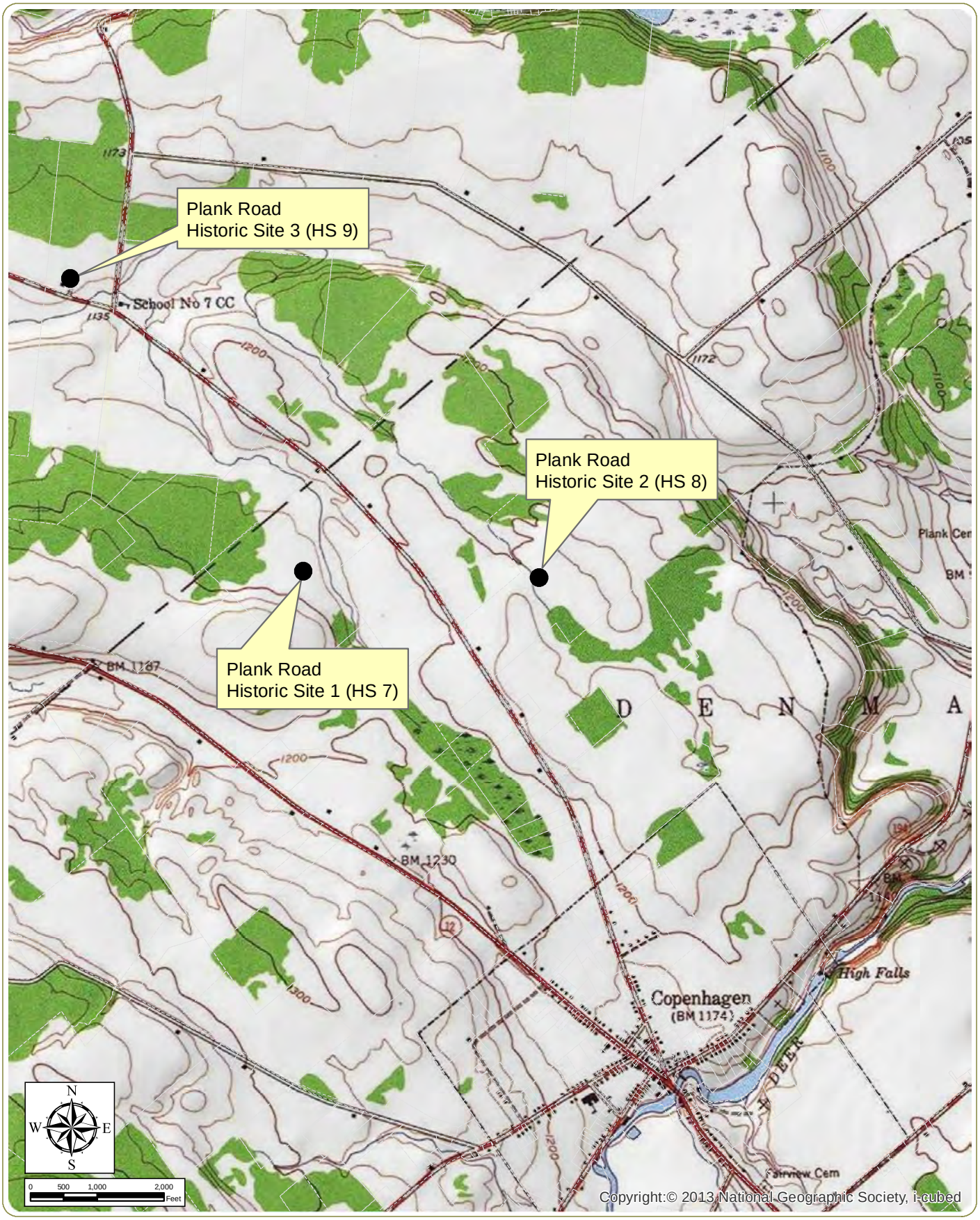
9. Map References: Map or maps showing exact location and extent of site must accompany this form and be identified by source and date. Keep this submission to 8½" x 11", if possible.

USGS 71/2 Minute Series Quad. Name: Copenhagen, N.Y.

For Office Use Only--UTM Coordinates: Zone 18 North (NAD 1983) N4862524 E445431 (meters)

10. Photography (optional for environmental impact survey): Please submit a 5"x7" black and white print(s) showing the current state of the site. Provide a label for the print(s) on a separate sheet.

See report.



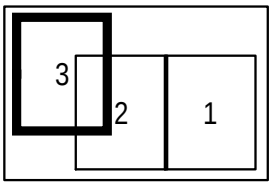
Copenhagen Wind Farm - Phase IB Archeological Survey

Town of Denmark, Lewis County, and Towns of Champion, Rutland, and Watertown, Jefferson County, New York

Archeological Site Locator Maps Sheet 3 of 3

January 2014

Notes: Basemap: ESRI ArcGIS Online USA Topomaps Map Service



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NEW YORK STATE HISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION
(518) 237-8643

Bernadette Castro
Commissioner

For Office Use Only--Site Identifier_____

Project Identifier Copenhagen Wind Farm Phase IB

Name of Preparer T. Arron Kotlensky, RPA Date 01-03-2014

Address Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, D.P.C., 217 Montgomery Street, Suite 1000, Syracuse, NY 13202 Phone (315) 471-0688

Organization (if any)

1. SITE IDENTIFIER(S) Plank Road Historic Site 3 (also referred to as "Historic Site 9" or "HS 9" in the referenced report)

2. COUNTY Jefferson One of the following: CITY_____
TOWNSHIP Champion
INCORPORATED VILLAGE_____
UNINCORPORATED VILLAGE OR HAMLET_____

3. PRESENT OWNER
Address Carlton Elmer

4. SITE DESCRIPTION (check all appropriate categories): Structure/site

Superstructure: ☐ complete ☐ partial ☑ collapsed ☐ not evident
Foundation: ☑ above ☑ below ☐ ground level ☐ not evident
Structural subdivisions apparent ☑ Only surface traces visible ☐
Buried traces detected ☐
List construction materials (be as specific as possible): Mortared & dressed limestone, poured concrete, common red brick, hewn & sawn timbering, clapboards

Grounds

Under cultivation ☑ Sustaining erosion ☐ Woodland ☑ Upland ☑
Never cultivated ☐ Previously cultivated ☐ Floodplain ☐ Pastureland ☐
Soil Drainage: ☑ excellent ☐ good ☐ fair ☐ poor
Distance to nearest water from structure (approx.): 500 feet (152 m) to southeast
Elevation: 1,130 feet (345 m) AMSL

5. Site Investigation (append additional sheets, if necessary):
Surface Collection -- date (s) N/A Site map (submit with form*)
Subsurface -- date(s) 10-22-2013
Testing: shovel ☑ coring ☐ other ☐ unit size 30 cm diameter
no. of units 24 (Submit plan of units with form*)

Excavation: unit size N/A no. of units _____
(Submit plan of units with form*)
* Submission should be 8 ½" by 11", if feasible

Investigator(s): T. Arron Kotlensky, RPA

Manuscript or published report (s) (reference fully): Phase 1B Archeological Survey, Copenhagen Wind Farm, Town of Denmark, Lewis County, and Towns of Champion, Rutland, and Watertown, Jefferson County, New York, Prepared for OwnEnergy, Prepared by EDR Environmental Services, LLC, January 2014

Present repository of materials

6. Site inventory:

a. Date constructed or occupation period: Unknown but as early as 1866

b. Previous owners, if known: H. W. Kilburn (1866)

c. Modifications, if known: Unknown

(append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):

a. Historic map references

1) Name Childs' Gazetteer Date 1866 Source Atlas of Jefferson County

Present location of original, if known: _____

2) Name USGS (15-minute) Date 1909 Source Watertown N.Y.

Present location of original, if known

b. Representation in existing photography: None

1) Photo date _____ Where located _____

2) Photo date _____ Where located _____

c. Primary and secondary source of documentation (reference fully): None known

d. Persons with memory of site:

1) Name None known Address _____

2) Name _____ Address _____

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material): Plank Road Historic Site 3 (referred to as "Historic Site 9" or "HS9" during completion of the Phase 1 survey) includes a house foundation and a probable barn foundation. The site is depicted on three period maps: the 1864 Childs' Gazetteer of Jefferson County, NY, the 1888 Robinson's Atlas of Jefferson County, NY and the 1904 USGS Watertown, N.Y. 15-minute topographic quadrangle. Additionally, the 1864 Childs' Gazetteer and 1888 Robinson's Atlas list "H. W. Kilburn" as an occupant of the site for both years. The principal house foundation is built of mortared and dressed limestone. Although little of the former house structure remains, EDR noted a number of intact hewn timbers, clapboard material, and other structural materials within the foundation, none of which bore any signs of charring from a previous fire that may have claimed the house. The probable barn foundation includes no above ground structural elements, and is largely overgrown by ground cover. Observable segments of the foundation include both mortared fieldstone and poured concrete, suggesting an extended period of use and reconstruction, similar to barn foundations identified at other sites within the Project. Although the proposed transmission line route does not pass through or in close proximity to any of the foundations identified with the site, the current route does pass through what may have been used as front yard space along the southern edge of the site.

If prehistoric materials are evident, check here and fill out prehistoric site form.

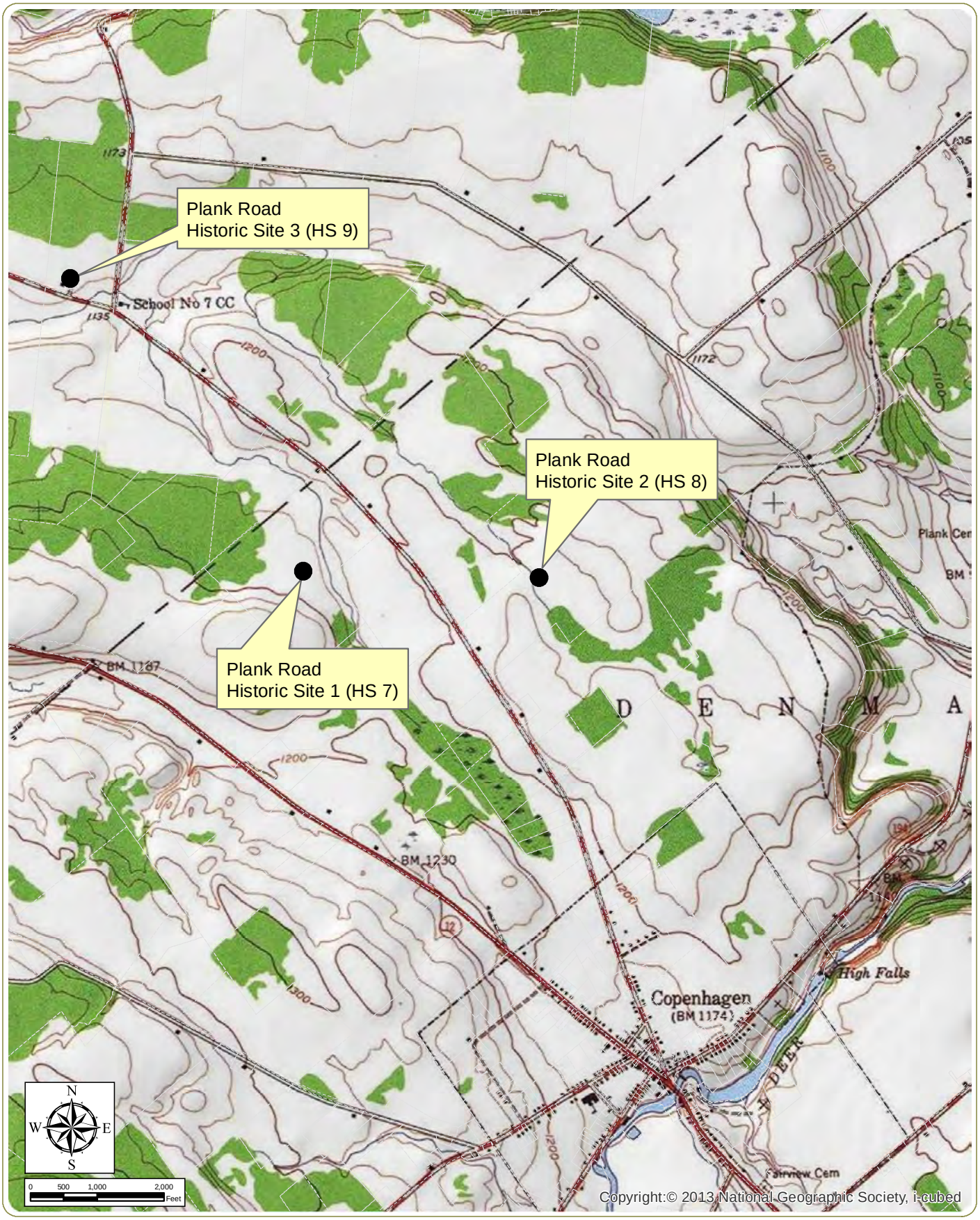
9. Map References: Map or maps showing exact location and extent of site must accompany this form and be identified by source and date. Keep this submission to 8½" x 11", if possible.

USGS 71/2 Minute Series Quad. Name: Copenhagen, N.Y.

For Office Use Only--UTM Coordinates: Zone 18 North (NAD 1983) N4863898 E443293 (meters)

10. Photography (optional for environmental impact survey): Please submit a 5"x7" black and white print(s) showing the current state of the site. Provide a label for the print(s) on a separate sheet.

See report.



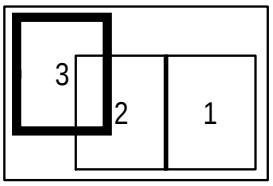
Copenhagen Wind Farm - Phase IB Archeological Survey

Town of Denmark, Lewis County, and Towns of Champion, Rutland, and Watertown, Jefferson County, New York

Archeological Site Locator Maps Sheet 3 of 3

January 2014

Notes: Basemap: ESRI ArcGIS Online USA Topomaps Map Service



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