



Supplemental Phase IB Archaeological Survey

South Ripley Solar Project

Town of Ripley, Chautauqua County, New York

Prepared for:

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REDACTED for Public Distribution



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July 2021

MANAGEMENT SUMMARY

NYSHPO Project Review Number: 20PR03687

Involved State and Federal Agencies: New York State Office of Parks Recreation and Historic Preservation (Section 14.09); Article 6 Section 94-c of the New York State Executive Law

Phase of Survey: Supplemental Phase IB Archaeological Survey

Location Information: Town of Ripley, Chautauqua County, New York

Survey Area:

Facility Description: A proposed 270-megawatt solar facility consisting of ground-mounted photovoltaic arrays and associated infrastructure.

Facility Site: Approximately 3,381-acre Facility Site

USGS Topographic Quadrangles: *South Ripley, NY and North East, PA*

Archaeological Survey Overview:

Supplemental Phase IB: 2,500 shovel tests
 Prior (2020-2021) Phase IB: 4,100 shovel tests

Results of Supplemental Phase IB Archaeological Survey:

Lithic scatters identified: 1
 Isolated lithic debitage: 0
 Multicomponent sites identified: 0
 Nineteenth century sites identified: 4
 Nineteenth century isolates: 1

Report Authors: Patrick Heaton, RPA; Moira Magni; Douglas Pippin PhD, RPA

Date of Report: July 2021

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1.0 INTRODUCTION

1.1 Purpose of the Investigation

On behalf of ConnectGen, LLC (the Applicant), Environmental Design & Research (EDR) has completed this Supplemental Phase IB Archaeological Survey for the South Ripley Solar Project (the Facility), a proposed utility-scale solar energy project located in the Town of Ripley, Chautauqua County, New York. The information and recommendations included in this report are intended to assist the New York State Department of Public Service (NYSDPS), the New York State Office of Parks, Recreation and Historic Preservation/State Historic Preservation Office (NYSHPO), and the New York State Office of Renewable Energy Siting (ORES) as part of review of the Project under Article 6 Section 94-C of the New York State Executive Law.

This Supplemental Phase IB survey was conducted under the supervision of a Registered Professional Archaeologist who meets the Secretary of the Interior's Guidelines (per 36 CFR, Part 61) for Professional Qualifications in Archaeology in a manner consistent with the New York Archaeological Council's (NYAC) 1994 *Standards for Cultural Resource Investigations and the Curation of Archaeological Collections in New York State* (the NYAC Standards). This Phase IB report was prepared in further accordance with the NYSHPO's (2005) *Phase I Archaeological Report Format Requirements* (the NYSHPO Guidelines).

This Supplemental Phase IB Survey follows and builds upon the results presented in the previous *Phase IA* and *Phase IB Archaeological Survey* reports for the Facility (EDR, 2021a, 2021b). The previous Phase IB report includes detailed descriptions of the proposed Facility, its layout, and the archaeological survey work that had been completed through April 2021. Information that has not changed or been revised subsequent to the April 2021 Phase IB report is not repeated herein; rather, those details are summarized and/or incorporated by reference herein.

1.2 Project Location and Description

The proposed Facility was described in the previous *Phase IB Archaeological Survey* report and is a 270-megawatt (MW) photovoltaic (PV) utility-scale solar energy generating project in the Town of Ripley, Chautauqua County, New York (Figure 1). The Facility will consist of rows of PV modules in discrete sub-arrays dispersed throughout the Facility Site. These arrays will be enclosed by fences (for safety and security purposes). Additionally, the Facility will include electrical direct current (DC) collection cables that connect to inverters and storage devices, and medium voltage alternating current (AC) cables that run from the sub-arrays to a collection substation and then to a Point of Interconnection (POI) switchyard, as well as other Facility components. The Facility may also incorporate energy storage technologies.

The proposed Facility layout is depicted on Figure 2. The Facility Site consists of approximately 3,381 acres of primarily agricultural land. The following terms are used throughout this document to describe the proposed action:

- **The Facility:** Collectively refers to all components of the proposed project, including PV panels, access roadways, buried and above ground collection lines, collection substation, point of interconnection switchyard, battery energy storage system, and staging areas. All components are located in the Town of Ripley, Chautauqua County, New York (Figures 1 and 2).
- **Facility Site:** Those leased parcels currently under agreement with the Applicant that will host all Facility components. The Facility Site parcels total approximately 3,381 acres (Figure 2).
- **The APE for Direct Effects:** The Area of Potential Effect (APE) for Direct Effects for the proposed Facility is the area that includes all proposed soil disturbance associated with the Facility.
- **The Limits of Significant Ground Disturbance:** The portions of the Facility Site which contain project components which have the potential to impact archaeological resources. Per SHPO guidance, these components consist of all areas where Facility-related impacts involving substantial proposed ground disturbance, which includes areas of grading and excavation exceeding six inches deep, grubbing, tree and stump removal, and trenches more than three-feet wide

2.0 SUMMARY OF PREVIOUS STUDIES AND CONSULTATION

Previous archaeological studies and consultation with NYSHPO for the Facility were described in Sections 1.4 and 2.0 of the previous Phase IB report (EDR, 2021b) and are summarized below. This discussion includes recent consultation with NYSHPO staff regarding the Supplemental Phase IB Archaeological Survey described in this report. Correspondence with NY SHPO and Indian Nations that has occurred subsequent to the submission of the prior *Phase IB Archaeological Survey* report (i.e., April 2021; EDR, 2021b) is described below and copies are included in Appendix A of this report.

2.1 Initial Project Submission to NYSHPO (June 2020)

On June 18, 2020, EDR submitted a Facility description and supporting information to the NYSHPO via the CRIS online portal. Relevant to the archaeological survey, the NYSHPO indicated that only areas of significant proposed ground disturbance would require archaeological survey to satisfy their expectations.

On June 24, 2020, the NYSHPO responded with a request for a Phase IA-IB archaeological survey for the Facility:

Phase IB archaeological testing is not recommended for panel arrays; perimeter fencing and utility poles, if their associated posts are driven or drilled into the ground and no grubbing or grading is involved, and for excavations and grading less than six inches in depth. Phase IB testing is also not recommended for trenches less than three feet wide. However, if the installation of the panel array supports, fencing or utility poles requires grubbing and grading exceeding six inches in depth, then Phase IB archaeological testing is recommended.

Phase IB archaeological testing is recommended for areas of substantial proposed ground disturbance, which includes areas of grading and excavation more than six inches deep, grubbing, tree and stump removal, and trenches more than three feet wide, unless the archaeological sensitivity warrants greater effort (Ferguson, 2020; see Appendix A).

2.2 Phase IA Archaeological Survey (January 2021)

On January 22, 2021, the *Phase IA Archaeological Survey* (EDR, 2021a) for the Facility was submitted to NYSHPO via the CRIS website. Relative to the potential presence of archaeological sites in the Facility Site, the results of the Phase IA archaeological resources survey can be summarized as follows:

- No previously recorded archaeological sites are located within the Facility Site.
- One previously recorded Native American archaeological site is located within one mile of the Facility Site (as defined at the time the Phase IA report was prepared). This site was reported as traces of a Native American occupation of unknown time period (Parker, 1922).

- Numerous nineteenth century and early twentieth century farmsteads are depicted on historic-period maps of the area. These locations were incorporated into the archaeological sensitivity model in the Phase IA survey.

The *Phase IA Archaeological Survey Report* also included a GIS-based archaeological sensitivity model that evaluated the probability of encountering archaeological resources within the Facility Site. The goal of the archaeological sensitivity model was to target archaeological survey in areas of higher sensitivity while maintaining a level of effort that is consistent with the scope of ground disturbance associated with the proposed Facility. The model evaluated the relative potential for the presence of archaeological resources based on elevated and low sensitivity for archaeological resources. EDR proposed an archaeological sensitivity model that defined areas of high or elevated archaeological sensitivity to include:

1. Areas within 1,000 feet (305 m) of known archaeological sites (NYSOPRHP/NYSM Sites).
2. Areas within known NYSM Areas.
And Areas where 2 out of the 3 following environmental variables apply:
3. Areas within 1,500 feet (457 meters) of water, wetlands, or hydric soils.
4. Soils classified as moderately well drained, well drained, somewhat excessively drained, and excessively drained, according to ESRI and SSURGO (2020) soils mapping.
5. Ground slope of 5% or less.

The *Phase IA Archaeological Survey Report* recommended that 100% of the Limits of Significant Ground Disturbance identified as having elevated sensitivity would be subjected to Phase IB archaeological survey. On February 8, 2021, NYSHPO provided a response/review letter to the *Phase IA Archaeological Survey*, which concurred with the findings and recommendations in the report, and states (in part):

Based upon our review, OPRHP concurs with the report's conclusion that 100% of the Limits of significant ground disturbance identified as having elevated sensitivity (for either archaeological resources or historical Map Documented Structures (MDS)) be subject to a Phase IB archaeological survey. Any changes to the proposed project's design are to be investigated consistent with the sensitivity model and research design presented in the Phase IA report. OPRHP thus concurs with the Phase IB testing protocol outlined within the Phase IA report (Ferguson, 2021a).

2.3 Previous Phase IB Archaeological Survey (April 2021)

EDR conducted the previous Phase IB archaeological survey fieldwork for the Facility during multiple mobilizations between July and December 2020 and in March and April of 2021. The Phase IB fieldwork was completed in accordance with the Phase IA research design (EDR, 2021a; see Section 2.2 of this report). The survey was conducted concurrent with the evolving Facility layout. As a result, some areas subjected to Phase IB survey are no longer part of the APE for Direct Effects or the Limits of Significant Ground Disturbance. In these areas, Facility components were

moved or eliminated following archaeological survey fieldwork in order to avoid impacts to archaeological resources, or due to other siting constraints (e.g., wetland impacts, slopes, lease-issues, etc.).

The previous Phase IB effort included survey of areas of elevated archaeological sensitivity (per the Phase IA report; EDR, 2021a) where those areas overlapped with the Limits of Significant Ground Disturbance based on previous and the current Facility Layout. EDR excavated 4,100 shovel tests for the Phase IB survey up until April 2021 (EDR, 2021b). No shovel tests were excavated in delineated wetlands, field-observed inundated areas, and areas of previous ground disturbance (primarily associated with past logging activities). The previous Phase IB archaeological survey resulted in the identification of 15 archaeological sites/isolated finds (see Table 1), which included seven small lithic scatters (between 2 and 5 lithic debitage), three isolated finds each consisting of a single fragment of lithic debitage, one multicomponent site including a nineteenth-century site and lithic scatter, three sites dating to the nineteenth and early twentieth centuries, and one historic-period isolated find. Recovered artifacts included 257 historic-period artifacts (ceramic sherds, glass, metal hardware/nails, and brick fragments) and 26 nondiagnostic lithic debitage artifacts (283 artifacts total collected; see Table 1).

Table 1. Summary of Archaeological Resources Identified During Phase IB Survey, July 2020-April 2021

| Site Name | Description | Extent (acre) | Total Artifacts | Finds | NRHP-Eligibility Recommendation |
|------------|---|---------------|-----------------|--|---------------------------------|
| JA-001 | Non-diagnostic lithic scatter | >0.01 | 5 | 1 chert flake, 4 chert angular debris/shatter | Does not meet S/NRHP Criteria |
| RA-001 | Non-diagnostic lithic scatter | >0.01 | 2 | 2 chert flakes | Does not meet S/NRHP Criteria |
| PA-002 | Non-diagnostic lithic scatter | >0.01 | 3 | 3 chert flakes | Does not meet S/NRHP Criteria |
| OA-001 | Non-diagnostic lithic scatter | 0.01 | 2 | 1 chert flake, 1 chert angular debris/shatter | Does not meet S/NRHP Criteria |
| WB-AR4-001 | Non-diagnostic lithic scatter | >0.01 | 2 | 2 chert flakes | Does not meet S/NRHP Criteria |
| WB-AR6-001 | Non-diagnostic lithic scatter | >0.01 | 3 | 2 chert flakes, 1 chert angular debris/shatter | Does not meet S/NRHP Criteria |
| 19020-TS01 | Non-diagnostic lithic scatter | 0.11 | 2 | 2 chert flakes | Does not meet S/NRHP Criteria |
| SB-002 | 19 th century artifact scatter | >0.01 | 42 | 39 metal hardware/nail fragments, 2 red brick fragments, 1 whiteware | Does not meet S/NRHP Criteria |
| FC-001 | 19 th century artifact scatter | 0.40 | 101 | 71 ceramic sherds (whiteware, yellowware), 15 vessel glass (aquamarine, colorless, opaque white), 10 flat glass, 3 nails, 1 glass marble, 1 brick fragment | Does not meet S/NRHP Criteria |

| Site Name | Description | Extent (acre) | Total Artifacts | Finds | NRHP-Eligibility Recommendation |
|---|---|---------------|-----------------|---|---------------------------------|
| EB-AR1-001 | 19 th century artifact scatter | 0.38 | 68 | Disturbed poured concrete foundation remains; 21 ceramic sherds (molded bone chine, stoneware), 17 flat glass, 11 vessel glass (colorless, aquamarine, milk glass), 10 nails, 8 red brick fragments, 1 cabinet hardware | Does not meet S/NRHP Criteria |
| 19020-MS01 Clark-Wilcox Mill Site | Multicomponent 19 th century artifact scatter and lithic scatter | 0.53 | 49 | Cellar hole and stone-lined well; 32 ceramic sherds (redware, whiteware, ironstone), 9 flat glass, 4 red brick fragments, 4 chert flakes | Does not meet S/NRHP Criteria |
| CL02-001 | Isolate lithic debitage | >0.01 | 1 | 1 chert flake | Does not meet S/NRHP Criteria |
| SB-001 | Isolate lithic debitage | >0.01 | 1 | 1 chert flake | Does not meet S/NRHP Criteria |
| LA-001 | Isolate lithic debitage | >0.01 | 1 | 1 chert flake | Does not meet S/NRHP Criteria |
| NC-001 | Isolated 19 th century artifact | >0.01 | 1 | 1 ceramic sherd (whiteware) | Does not meet S/NRHP Criteria |

The Phase IB report (EDR, 2021b) recommended that none of the sites identified during the survey satisfied eligibility criteria for the State and National Register of Historic Places. Therefore, the conclusion of the prior Phase IB survey, was that the proposed South Ripley Solar project is not anticipated to result in adverse effects to any State/National Register of Historic Places (S/NRHP)-eligible archaeological resources.

The Facility layout designed concurrent with the Phase IB archaeological fieldwork and included layout changes to avoid sensitive resources and other constraints, such as wetlands, archaeological sites, and landowner preferences. Therefore, portions of the Facility layout were not included in the initial Phase IB archaeological survey.

On May 26, 2021, the SHPO provided a response/review letter to the *Phase IB Archaeological Survey*, which requested that additional Phase IB archaeological survey be conducted (i.e., the Supplemental Phase IB survey described in this report) to address portions of the Facility Layout that were not included in the Phase IB investigation:

Based upon our review of the above-noted report, it appears that not all significant ground-disturbing impacts in areas of elevated sensitivity within the project's Area of Potential Effects (APE) were subject to the Phase IB Archaeological Survey. Moreover, it is our understanding that there have been significant changes to the proposed facility since the initial Phase IB was conducted. Before we provide our comments, OPRHP is requesting a Phase IB Addendum be conducted in all areas of substantial ground-disturbing impacts in areas of elevated archaeological sensitivity that were not previously surveyed or have since been added to the facility plans. Substantial ground-disturbing impacts that require archaeological investigations in areas of elevated sensitivity include the following:

- Grading and excavations more than six (6) inches deep (i.e., for access roads, land clearance/leveling, staging/laydown areas; substations, battery/inverter locations, drainage, etc.)
- Grubbing, tree and stump removal
- Trenches more than three (3) feet wide (i.e., underground collection lines, etc.).

Alternatively, if project design flexibility or shovel-ready status is desired, the SHPO/OPRHP recommends 100% sampling of all elevated/highly sensitive areas irrespective of the nature and type of construction impact. With this approach, changes in project design will not require further archaeological consultation except for changes that may impact sites within the APE or that increase the size of the project area (Ferguson, 2021b; included in Appendix A).

2.4 Supplemental Phase IB Research Design (June 2021)

Following receipt of NYSHPO's May 26, 2021 review letter (Ferguson, 2021b), EDR discussed the results of the prior Phase IB survey and status of the Facility design with NYSHPO staff. On June 9, 2021, EDR submitted to NYSHPO a *Supplemental Phase IB Research Design* (EDR, 2021c; included in Appendix A of this report). The research design proposed a revision to the GIS-based archaeological sensitivity model that was presented in the Phase IA report. The revised model is informed by the results of the Phase IB survey conducted to date, improved environmental data for the site (i.e., delineated wetlands), consultation with NYSOPRHP/NYSHPO, and the NYSHPO's 2020 *Guidelines for Solar Facility Development Cultural Resources Survey Work* (hereafter, the NYSHPO Solar Guidelines), which were not yet published at the time that EDR's original GIS model (included in the IA report) was prepared.

The prior Phase IB archaeological survey included shovel testing within areas where substantial proposed ground disturbance (per the NYSHPO Solar Guidelines) overlapped with areas of high sensitivity (per the model included in the IA). The Phase IB survey resulted in the identification of 15 archaeological sites within the Facility Site. Of these 15 sites, 11 were located less than 328 feet (100 m) from water, consistent with the recommended environmental variables in the NYSHPO Solar Guidelines. Of the remaining 4 sites, 3 were isolated artifacts and the fourth consisted of 2 chert flakes from 2 shovel tests. None of these sites have been recommended to be NRHP-eligible. In addition, sites were identified in soils with drainage classes that included excessively drained, somewhat excessively drained, well drained, moderately well drained, and somewhat poorly drained. Based on these data and the NYSHPO Solar Guidelines, EDR refined the archaeological sensitivity model for the Facility Site – areas of elevated/high archaeological sensitivity per the revised model include [revisions to the model are in bold]:

1. Areas within 1,000 feet (305 m) of known archaeological sites (NYSOPRHP/NYSM Sites).
2. Areas within known NYSM Areas.
3. Areas within 328 feet (100 m) of delineated wetlands, streams, or hydric soils.
4. Soils classified as somewhat poorly drained, moderately well drained, well drained, somewhat excessively drained, and excessively drained, according to ESRI and SSURGO (2020) soils mapping.
5. Ground slope of 5% or less.

The revised GIS sensitivity model is depicted in the Figure 3. The remaining areas to be tested total approximately 123 acres. The revised sensitivity model and proposed areas to be included in the Supplemental Phase IB survey were submitted to NYSHPO in the *Supplemental Phase IB Research Design* on June 9, 2021 (EDR, 2021c; included in Appendix A).

On June 10, 2021, the SHPO provided a review/response letter concurring with the recommendations in the *Supplemental Phase IB Research Design*:

Based upon our review, OPRHP concurs with the proposed revised scope of work for the Phase IB Addendum survey presented in the above-noted memo (Ferguson, 2021c; see Appendix A).

Therefore, as further described in Section 3 of this report, the Supplemental Phase IB survey was conducted in accordance with the approved research design submitted to NYSHPO on June 9, 2021 (included in Appendix A). The results of the supplemental Phase IB survey are presented in Figure 4 - REDACTED.

2.5 Indian Nation Consultation

On June 15, 2021, EDR sent letters to the Seneca Nation of Indians, Tonawanda Seneca Nation, and Tuscarora Nation (included in Appendix A) that included an introduction to the project, maps of the Facility location, and a link to previously completed cultural resources reports. The Nations have previously been included as contacts for the project in the NYSHPO database (CRIS). The reports provided at this time included:

- Phase IA Archaeological Survey
- Phase IA Historic Resources Survey Methodology
- Historic Resources Survey Report

In addition, the letter's noted that the Applicant and EDR were in the process of completing a Phase IB archaeological survey for the Facility. The Phase IB Archaeological Survey report and Supplemental Phase IB Archaeological Survey Report (i.e., this report) will be provided to the Nations concurrent with their submission to NYSHPO.

The Applicant anticipates ongoing consultation with the Nations throughout the 94-c process or through subsequent Section 106 coordination efforts (if necessary) associated with federal permitting processes.

3.0 SUPPLEMENTAL PHASE IB ARCHAEOLOGICAL SURVEY

3.1 Supplemental Phase IB Archaeological Survey Methodology

The Supplemental Phase IB Archaeological Survey fieldwork was conducted per the methodology described in Section 3.1 of the *South Ripley Solar Project Phase IB Archaeological Survey* report (EDR, 2021b). The following data are included in this Supplemental Phase IB report:

- Photographs of field conditions during the Supplemental Phase IB fieldwork are included in Appendix B.
- Tabulated shovel test records for shovel tests excavated during the Supplemental Phase IB archaeological survey are included in Appendix C.
- An inventory of artifacts recovered during the Supplemental Phase IB archaeological survey are included in Appendix D.

3.2 Supplemental Phase IB Archaeological Survey Results

The Supplemental Phase IB Archaeological Survey fieldwork was completed between June 7 and June 22, 2021. Six archaeological resources were identified, five sites and one isolated artifact, described below. None of the resources are considered potentially eligible for the S/NRHP. The fieldwork was directed by EDR Archaeologist Moira Magni (Field Director) in coordination with Doug Pippin (Senior Project Manager, Archaeology) and Patrick Heaton (Principal, Cultural Resources). EDR's field crew included six staff, supported by additional field teams from Public Archaeology Facility, Inc. (PAF) and SWCA Environmental Consultants, Inc (SWCA).

The Supplemental Phase IB survey included approximately 114 acres. The EDR/PAF/SWCA teams excavated a total of 2,500 shovel tests and conducted pedestrian surface survey of approximately 24 acres located in cultivated fields/row crops. Photographs of representative survey areas and conditions are included in Appendix B. The level of effort and results of the Supplemental Phase IB survey are depicted on Figure 4 and summarized below in Table 2.

Table 2. Summary of Phase IB Supplemental Archaeological Survey Results

| Site Name | Description | Extent (acre) | Artifacts | Finds | Avoidance Measures/Recommendations |
|-------------|--|---------------|-----------|---|--------------------------------------|
| XWB-AR6-001 | Non-diagnostic lithic scatter | >0.01 | 13 | Chert debitage: secondary flakes, tertiary flakes and angular shatter | None (Does not meet S/NRHP Criteria) |
| XLYA-001 | 19 th century artifact scatter | >0.01 | 23 | Domestic and architectural materials | None (Does not meet S/NRHP Criteria) |
| XAR-001 | 19 th & 20 th century artifact scatter | >0.01 | 25 | Domestic glass, ceramics and smoking pipe | None (Does not meet S/NRHP Criteria) |

| Site Name | Description | Extent (acre) | Artifacts | Finds | Avoidance Measures/Recommendations |
|---------------|--|---------------|-----------|--|--------------------------------------|
| J. Thorpe-001 | 19 th & 20 th century artifact scatter | 0.01 | 63 | Highly degraded architectural materials and domestic items | None (Does not meet S/NRHP Criteria) |
| XEB-AR5-001 | 19 th century artifact scatter | >0.01 | 4 | Domestic glass, ceramic, nail | None (Does not meet S/NRHP Criteria) |
| XDB1.W01 | Isolated 19 th century artifact | 0.11 | 1 | Ironstone jug fragment | None (Does not meet S/NRHP Criteria) |

The Supplemental Phase IB Archaeological Survey resulted in the collection of 129 artifacts, including 116 historic-period artifacts, and 13 nondiagnostic lithic debitage artifacts (see Appendix D).

3.3 Identified Archaeological Sites

The Supplemental Phase IB Archaeological Survey resulted in the identification of six archaeological resources, which included: one non-diagnostic lithic scatter, four nineteenth century sites, and one nineteenth century isolated find. These sites are described below in Sections 3.3 and 3.4.

3.3.1 XWB-AR6-001

Site Type: Lithic Scatter

Archaeology Survey Area: XWB-AR6

Site Description: The XWB-AR6-001 lithic scatter consists of a low density scatter of 13 pieces of chert debitage from six shovel test locations, confined to approximately 312 square feet (29 square meters). A total of 22 radial shovel tests were excavated around the finds to delineate the site boundary. The artifacts that were recovered consist of secondary flakes, tertiary flakes and angular shatter. These materials do not represent a unique or unusual artifact type. They cannot be associated with a specific time-period and future research at the location is unlikely to produce significant information.

(LOCATION REDACTED) [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

The XWB-AR6-001 lithic scatter consists of 13 total chert artifacts recovered from six shovel tests (Appendix B, Photo 8). All artifacts recovered at this location are summarized in Table 3 below and detailed in Appendix D. A secondary flake fragment was recovered from a depth of 0 to 20 cmbs within the plowzone of shovel test XWB-AR6.10 (Appendix B, Photo 9). Following the recovery of the flake from XWB-AR6.10, an additional 22 radial shovel tests were excavated at 1-meter, 3-meter intervals, 7.5-meters, 15-meters, and 22.5-meters around the find. Two of the 1-meter radial shovel tests, XWB-AR6.10R1W and XWB-AR6.10R1S, contained secondary flakes. One 3-meter radial, XWB-AR6.10R3N, contained two secondary flakes. An additional two shovel tests were excavated at 7.5-meter interval, XWB-AR6.10R7.5N and XWB-AR6.10R7.5S contained additional secondary flakes, tertiary flakes and angular shatter. Additional radials were excavated at 15-meters and 22.5-meters from the original positive shovel test in the direction of the finds to define the site boundary (Figure 4 - REDACTED).

All lithics were recovered from the first stratigraphic soil horizon. Soils encountered in shovel tests at this site consisted of a dark grayish brown (10YR 4/2) silt loam plowzone, which overlaid an oxidized yellowish brown (10YR 5/4) silt clay loam subsoil, which was interpreted as culturally sterile subsoil and excavated into by ten centimeters before terminating the shovel tests (Appendix B, Photo 7; see Appendix C for shovel test stratigraphic profiles).

Table 3. Artifacts Collected at the XWB-AR6-001 Lithic Scatter

| Shovel Test | Stratum | Depth (cmbs) | Count | Description | Material | Time period |
|-----------------------------------|---------|--------------|-----------|-----------------------------|------------|---------------|
| XWB-AR6.10 | I | 0-20 | 1 | Secondary Flake with cortex | Gray chert | Nondiagnostic |
| XWB-AR6.10R1S | I | 0-31 | 1 | Secondary Flake | Gray chert | Nondiagnostic |
| XWB-AR6.10R1W | I | 0-22 | 2 | Secondary Flake | Gray chert | Nondiagnostic |
| XWB-AR6.10R3N | I | 0-23 | 1 | Secondary Flake | Gray chert | Nondiagnostic |
| XWB-AR6.10R3N | I | 0-23 | 1 | Secondary Flake with cortex | Gray chert | Nondiagnostic |
| XWB-AR6.10R7.5S | I | 0-20 | 1 | Tertiary Flake | Gray Chert | Nondiagnostic |
| XWB-AR6.10R7.5N | I | 0-50 | 1 | Angular Debris/Shatter | Gray Chert | Nondiagnostic |
| XWB-AR6.10R7.5N | I | 0-50 | 2 | Tertiary Flake | Gray Chert | Nondiagnostic |
| XWB-AR6.10R7.5N | I | 0-50 | 3 | Secondary Flake | Gray Chert | Nondiagnostic |
| Total Artifacts Collected: | | | 13 | | | |

Recommendation: In the opinion of EDR, the site does not satisfy S/NRHP-eligibility criteria. The XWB-AR6-001 lithic scatter is currently located within an area of proposed underground collection line within the APE and it may be impacted by Facility-related construction. Because the site does not meet the S/NRHP criteria for eligibility, ground disturbance in this area would not result in a significant impact to cultural resources. No additional archaeological investigation is recommended.

3.3.2 XLYA-001

Site Type: Nineteenth Century Artifact Scatter

Archaeology Survey Area: XLYA

Site Description: The XLYA-001 site is a low density artifact scatter consisting of 23 fragmented artifacts dating to the nineteenth century. Artifacts encountered at this location consisted almost entirely of highly fragmented domestic and architectural materials (see Table 4; Appendix B, Photo 16). No evidence of an intact foundation or associated features were identified during surface or subsurface investigation and shovel testing results demonstrate that the site lacks a significant buried component. The site's integrity of setting and feeling have been significantly compromised by agricultural field clearing and plowing in the area as well as razing and removal of any possible significant structural components. The site's integrity of location is somewhat compromised because its artifacts have been moved and rearranged to an unknown extent by agricultural activities as well as the process of razing the structure.

(LOCATION REDACTED)

Four artifacts were recovered from the initial positive shovel test (XLYA6.04) which was part of a grid of shovel tests excavated at a 15 meter (50 foot) spacing. An additional eight radial shovel tests were excavated at 1 meter (3 foot), 3 meter (10 foot), and 7.5 meter (25 foot) spacing from the initial find within the existing grid of shovel tests to further delineate the site. A further 19 nineteenth century artifacts were recovered from two of the radial shovel tests, both of which were located 15m from the edge of the driveway. XLYA-001 is approximately 80 feet (24 meters) southeast of a previously identified site from the initial Phase IB fieldwork (EB-AR1-001). EDR believes there may be an association

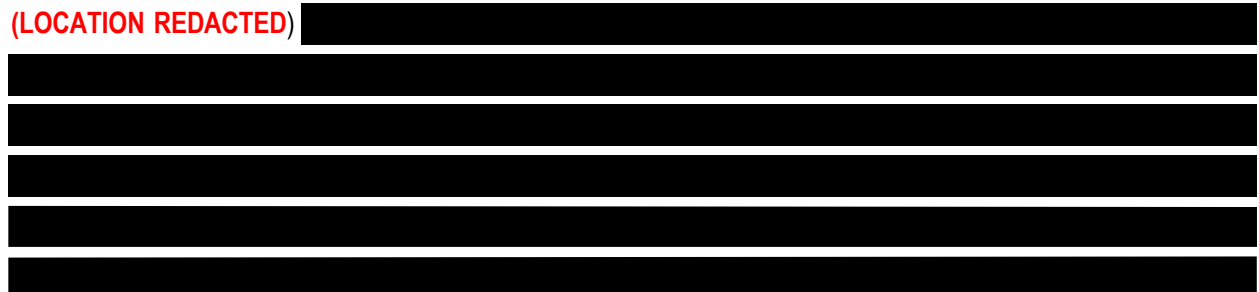
between both XLYA-001, EB-AR1-001, and a map documented structure approximately 114 feet (35 meters) southwest of XLYA-001.

Historical maps were reviewed in order to identify possible structures and outbuildings associated with the XLYA-001 site and in order to understand the chronology of the immediate surroundings. No residences or outbuildings were depicted on the 1867 Stewart “Ripley [Township].” In *New Topographical Atlas of Chautauqua County, New York* (Inset 5). The site appears instead to correspond with the location of a farmstead which is first depicted on the 1881 Beers “Ripley” in *Illustrated Historical Atlas of the County of Chautauqua, New York* (Beers, 1881). This 1881 landowner map indicates that the site was part of a 185-acre farm owned by A. Parker. The property in 1881 extended from present-day New York State Route 76 eastward to the Ripley-Westfield town line and was among the larger farms in the Town of Ripley.

EDR also conducted a review of census records and grave memorial records which indicate that “A. Parker” is Amos Parker. Amos Parker (1833-1901) was a farmer born in Broome County, New York; his wife, Weltha Ellen Pierce Parker (1841-1894), was born in Otsego County. Their son, Horace Chester Parker (1866-1952), was born in Niagara County and daughter, Lydia E. (“Liddie”) Parker (1881-1951), was born in the Town of Ripley (New York State Census, 1875, 1892; UCSB, 1880; Find A Grave, 2021a, 2021b, 2021c, 2021d).

After the deaths of Weltha in 1894 and Amos in 1901, Lydia and her husband Stanley Lewis [Lewis] Smith (1877-1951) took over the farm and operated it until sometime prior to 1920, by which point the Smiths had moved to the hamlet of Ripley and Lewis was working as a mail carrier. It is not known whether Lewis continued to work his father-in-law’s farm after moving to the hamlet of Ripley. Lewis and Lydia Smith both died in 1951 and did not have any descendants (Find A Grave, 2021d, 2021e). According to the obituary of Lydia E. (Parker) Smith, the Parker family were descendants of early settlers who purchased land in the Town of Ripley in 1830; indeed, multiple Parkers are indicated as landowners in the Towns of Ripley and Westfield on maps published in 1854 and 1867. However, the birth of Horace Chester Parker in Niagara County in 1866 suggests that Amos and Weltha Parker did not arrive in the Town of Ripley until after that date indicating that this site postdates 1866 (Find A Grave, 2021c, 2021d; Keeney, 1854; Stewart, 1867).

(LOCATION REDACTED)



Soils encountered at the XLYA-001 site primarily consisted of redeposited and plowzone soils overlaying natural subsoil with cultural material confined to the plowzone soils (Appendix B; Photo 15). Materials dating to predominately the late nineteenth and early twentieth centuries were recovered from three shovel tests. Modern materials including shredded fragments of plastic sheeting that were noted but not collected.

Table 4. Artifacts Collected at the XLYA-001 Nineteenth Century Artifact Scatter

| Shovel Test | Stratum | Depth (cmbs) | Count | Description | Time Period | Sources |
|----------------------------|---------|--------------|-------|----------------------------|-------------|-------------|
| XLYA6.04 | I | 0-29 | 2 | Unidentified Flat Glass | - | - |
| | | | 1 | Rockingham Stoneware | 1850-1950 | Bagley, Joe |
| | | | 1 | Whiteware | 1820 + | Bagley, Joe |
| XLYA6.04R3E | I | 0-35 | 2 | Unidentified Nail Fragment | - | - |
| | | | 1 | Unidentified Nail Fragment | - | - |
| | | | 1 | Rockingham Stoneware | 1850-1950 | Bagley, Joe |
| | | | 3 | Colorless Bottle Glass | - | - |
| | | | 3 | Whiteware | 1820+ | Bagley, Joe |
| | | | 1 | Aqua Vessel Glass | - | - |
| XLYA6.04R7.5E | I | 0-27 | 1 | Stoneware Crock Fragment | 1740 + | Bagley, Joe |
| | | | 3 | Whiteware | 1820 + | Bagley, Joe |
| | | | 1 | Unidentified Flat Glass | - | - |
| | | | 2 | Colorless Bottle Glass | - | - |
| | | | 1 | Aqua Vessel Glass | - | - |
| Total Artifacts Collected: | | | 23 | | | |

Recommendation: The XLYA-001 site cannot be associated with significant historic trends or individuals and it does not embody significant architectural or engineering attributes, therefore, it is not eligible for listing on the NRHP under Criteria A, B, or C. Given the fragmented and damaged state of the artifact assemblage and the apparent lack of intact features, further research at the site is unlikely to obtain significant data pertinent to understanding regional history. Therefore, the site is not eligible under Criterion D. The site is currently located within the Facility and it may be impacted by Facility-related construction. However, regardless of Facility-related impacts, it does not meet the S/NRHP Criteria for evaluation so there will be no impacts to significant resources. No further archaeological investigations are recommended.

3.3.3 XAR-001

Site Type: Nineteenth Century Artifact Scatter

Archaeology Survey Area: XAR

Site Description: The XAR-001 historic-period artifact scatter consists of a total of 25 artifacts primarily dating to the nineteenth and early twentieth centuries. EDR collected a representative sample of the diagnostic nineteenth century artifacts found at the site with the exception of clearly modern materials, which were noted, but not collected. The

artifacts collected consisted almost entirely of highly fragmented domestic materials (Appendix B, Photo 18). All artifacts recovered at this location are summarized in Table 5 below and detailed in Appendix D. No evidence of an intact foundation or associated features were identified during pedestrian survey. The site's integrity of setting and feeling have been significantly compromised by structural demolition and agricultural terrain modification. The site's integrity of location is somewhat compromised because the artifacts have been heavily fragmented prior to/during agricultural disturbance.

(LOCATION REDACTED)

Pedestrian survey began at a 4-meter interval and upon the discovery of artifacts was completed at a 2-meter interval. In addition to historic-period artifacts, EDR staff identified burned plastic trash and torn plastic sheeting, all artifacts were recovered from a possibly disturbed context.

Historical maps were reviewed in order to identify possible structures and outbuildings associated with the XAR-001 site, and in order to elucidate the chronology of the immediate surroundings.

No other residences or outbuildings were depicted at this location on earlier historical maps reviewed by EDR, indicating this site is associated with the residence depicted only on the 1905 map.

Following the identification of artifacts during a 4-meter interval pedestrian survey, the interval was reduced to 2-meters to further identify diagnostic archaeological material at the site (Figure 4). The soils visible on the surface interpreted as dark grey brown (10YR 4/2) silt loam mixed with occasional surface pockets of oxidized yellow brown (10YR 5/4). All artifacts recovered during pedestrian survey are associated with a redeposited or disturbed plowzone.

Table 5. Artifacts Collected at the XAR-001 Nineteenth Century Artifact Scatter

| Pedestrian Survey Area | Stratum | Depth (cmbs) | Count | Description | Time Period | Sources |
|------------------------|---------|--------------|-------|------------------------------------|-------------|-------------|
| XAR-001 | I | Surface | 1 | Bisque Porcelain Doll Face | 1860-1930 | - |
| | | | 4 | Blue Transfer Print Whiteware | 1820+ | Bagley, Joe |
| | | | 2 | Rhenish Stoneware | 1765-1790 | Bagley, Joe |
| | | | 1 | White Ball Clay Pipe Bowl Fragment | - | - |

| Pedestrian Survey Area | Stratum | Depth (cmbs) | Count | Description | Time Period | Sources |
|----------------------------|---------|--------------|-------|------------------------------|--------------|--------------|
| | | | 1 | Aquamarine Inkwell | 1865 to 1930 | SHA |
| | | | 4 | Colorless Vessel Glass | - | - |
| | | | 1 | Boyd Milkglass Jar Lid | 1890-1910 | SHA |
| | | | 1 | Olive Vessel Glass | - | - |
| | | | 1 | Ironstone Jug Fragment | 1890 - 1948 | Bagley, Joe. |
| | | | 1 | Lead Glazed Redware | 1600 + | Bagley, Joe |
| | | | 1 | Undecorated Yellowware | 1830 - 1940 | Bagley, Joe |
| | | | 1 | Opaque White Glass Fragment | - | - |
| | | | 1 | Polychrome Painted Whiteware | 1830 - 1870 | Bagley, Joe |
| | | | 1 | Brown Salt Glaze Stoneware | 1835-1900 | Bagley, Joe |
| | | | 1 | Undecorated Ironstone | 1890 - 1948 | Bagley, Joe |
| | | | 3 | Aquamarine Vessel Glass | - | - |
| Total Artifacts Collected: | | | 25 | | | |

Recommendation: The XAR-001 site is currently recommended as not eligible for listing on the S/NRHP under any Criteria. The XAR-001 site cannot be associated with significant historic trends or individuals and it does not embody significant architectural or engineering attributes, therefore, it is not eligible for listing on the NRHP under Criteria A, B, or C. Given the fragmented and damaged state of the artifact assemblage and the apparent lack of intact features, further research at the site is unlikely to obtain significant data pertinent to understanding regional history. Therefore, the site is not eligible under Criterion D. The site is currently located within the Facility and it may be impacted by Facility-related construction. However, this site does not meet the S/NRHP Criteria for evaluation so there will be no impacts to significant resources. No further archaeological investigations are recommended.

3.3.4 J. Thorpe-001

Site Type: Nineteenth Century Artifact Scatter

Archaeology Survey Area: XHA

Site Description: The J. Thorpe-001 site is a disturbed nineteenth century artifact scatter of 63 artifacts found within eight shovel test locations and spatially confined to approximately 3,830 square feet (355 square meters). The artifacts consisted almost entirely of highly degraded architectural materials and domestic items dating to the nineteenth and early twentieth centuries (Appendix B, Photo 23). No evidence of an intact foundation or associated features were identified during surface or subsurface investigation and shovel testing results demonstrate that the site lacks a significant buried component. The site's integrity of setting and feeling have been significantly compromised by contemporary rubble dumping practices in the area as well as razing and removal of any significant structural components. The site's integrity of location is somewhat compromised because its artifacts have been moved and rearranged to an unknown extent by agricultural activities and razing.

(LOCATION REDACTED)

The J. Thorpe-001 historic-period artifact and debris scatter consists of a total of 63 fragmented and damaged nineteenth century artifacts recovered from eight shovel tests. The majority of the artifacts recovered consist of fragmented architectural debris and common household items which continue to be manufactured to this day primarily dating to the nineteenth to early twentieth centuries (Table 6). Shovel tests at this site were excavated in 15-meter (50 feet) grid with excavations commonly requiring displacement from the grid to avoid areas where dense vegetation and root matting prevented hand excavation. Three of the initial 15-meter interval shovel tests recovered artifacts. An additional 28 shovel tests were excavated at 1-meter, 3-meter, 7.5-meter, and 10.5-meter intervals to further delineate the extent of the subsurface artifact scatter. Five of these shovel tests recovered further artifacts and were confined to within 10.5-meter of the initial finds (Figure 4).

Historical maps were reviewed in order to identify possible structures and outbuildings associated with the J. Thorpe-001 site in order to elucidate the chronology of the immediate surroundings.

Approximately 32- meters west from the J. Thorpe-001 site lie the disarticulated remnants of a modern concrete, brick, and tin structure. The structure was razed and may be responsible for a portion of the glass and brick architectural debris found in the plowzone.

EDR collected any diagnostic artifacts as well as a representative sample of common artifacts recovered from shovel test pits which consisted almost entirely of highly fragmented domestic and architectural materials (Appendix B, Photo 23). Degrading concrete, coal flecking, and the majority of unidentified ferrous metal flecks were noted but not collected. All artifacts collected from this location are summarized in Table 6 below and detailed in Appendix D.

Soils encountered at the J. Thorpe-001 site primarily consisted of redeposited artifact bearing plowzone soils overlaying buried natural surface with cultural material confined to the redeposited soils. Mapped soil in the site is Langford silt loam, 3 to 8% slope. Soils interpreted as brown (10YR 4/3) occasionally mixed with a dark yellow brown (10YR 4/6)

over a yellow brown soil horizon (10YR 5/4) interpreted as culturally sterile subsoil. All artifacts recovered at this location were identified in the redeposited mix of soil horizons. No cultural material was identified in the underlying natural soil strata, and therefore this artifact cluster is presumed to be in a secondary context (Appendix B, Photo 22). A cut, crush gravel access road runs north/south through the center of the J. Thorpe-001 site. No evidence of intact foundations or associated features were identified during subsurface investigation. All shovel tests were excavated to the limits of practical hand excavation or ten centimeters into what was interpreted as culturally sterile subsoil before terminating excavations (Appendix C).

Table 6. Artifacts Collected at the J. Thorpe-001 Nineteenth Century Artifact Scatter

| Shovel Test | Stratum | Depth (cmbs) | Count | Description | Time Period | Sources |
|---------------|---------|-----------------|----------------------------|----------------------------------|---|-------------------|
| XHA1.22 | I | 0-20 | 1 | Colorless Flat Glass | - | - |
| | | | 3 | Undecorated Whiteware | 1820 + | Bagley, Joe |
| | | | 6 | Red Brick Fragment | - | - |
| XHA1.22R3W | I | 0-30 | 1 | Undecorated Whiteware | 1820 + | Bagley, Joe |
| | | | 1 | Blue Shell Edge Whiteware | 1800 + | Bagley, Joe |
| | | | 4 | Colorless Flat Glass | - | - |
| | | | 2 | Colorless Vessel Glass | - | - |
| | | | 4 | Unidentified Nail | - | - |
| | | | 1 | Red Brick Fragment | - | - |
| | | | XHA1.22R1S | I | 0-18 | 1 |
| XHA1.22R3E | I | 0-15 | 10 | Undecorated Whiteware | 1820 + | Bagley, Joe |
| | | | 6 | Colorless Flat Glass | - | - |
| | | | 1 | Colorless Vessel Glass | - | - |
| | | | 1 | Cut Nail Fragment | 1805 + | Miller, George L. |
| | | | 1 | Red Brick Fragment | - | - |
| XHA1.22R10.5E | I | 0-17 | 2 | Undecorated Whiteware | 1820 + Late 19 th Century + | Bagley, Joe |
| | | | 1 | Porcelain | | Magid, Barbara H. |
| | | | 2 | Colorless Flat Glass | - | - |
| XHA1.25 | I | 0-21 | 1 | Colorless Lamp Glass | - | - |
| | | | 1 | Colorless Flat Glass | - | - |
| | | | 6 | Red Brick Fragment | - | - |
| XHA1.25R1S | II | 21-31 | 1 | Unidentified Metal Fragment | - | - |
| | | | 4 | Red Brick Fragment | - | - |
| | | | 1 | Colorless Flat Glass | - | - |
| XHA1.27 | I | 0-40 | 1 | Aquamarine Glass Vessel Fragment | - | - |
| | | | 1 | Colorless Flat Glass | - | - |
| | | | Total Artifacts Collected: | | | 63 |

Recommendation: The J. Thorpe-001 site cannot be associated with significant historic trends or individuals, and it does not embody significant architectural or engineering attributes, therefore, it is not eligible for listing on the NRHP

under Criteria A, B, or C. Given the fragmented and damaged state of the artifact assemblage and the apparent lack of intact features, further research at the site is unlikely to obtain significant data pertinent to understanding regional history. Therefore, the site is not eligible under Criterion D. The site is currently located within a portion of proposed tree clearing for underground collection line, access road, and PV array and it may be impacted by Facility-related construction. However, regardless of Facility-related impacts, it does not meet the S/NRHP Criteria for evaluation so there will be no impacts to significant resources. No further archaeological investigations are recommended.

3.3.5 ***XEB-AR5-001***

Site Type: Nineteenth Century Artifact Scatter

Archaeology Survey Area: XEB-AR5

Site Description: The XEB-AR5-001 artifact scatter consists of a total of 4 fragmented artifacts primarily dating to the nineteenth and early twentieth centuries. In addition to historic-period artifacts, EDR staff identified aluminum and modern plastic recovered from a disturbed roadside context. It consists of a highly disturbed artifact scatter spatially confined to approximately 9 square feet (1 square meter). The artifacts consisted almost entirely of fragmented and highly degraded domestic and architectural material. No evidence of an intact foundation or associated features were identified during survey. The site's integrity of setting and feeling have been significantly compromised by agricultural terrain modification. The site's integrity of location is somewhat compromised because the artifacts have been heavily fragmented prior to/during agricultural disturbance.

(LOCATION REDACTED)

EDR collected four nineteenth century artifacts found at the site with the exception of clearly modern materials, which were noted, but not collected. The artifacts collected consisted almost entirely of fragmented domestic and architectural materials (Appendix B, Photo 28). All artifacts recovered at this location are summarized in Table 7 below and detailed in Appendix D.

Following the identification of artifacts during a 15-meter grid survey, EDR excavated eight radial shovel tests at a 1-meter and 3-meter interval around the positive find (Figure 4). No additional artifacts were recovered during radial

testing. Soils are interpreted as brown (10YR 4/3) silt loam mixed with occasional roadside gravel and pockets of yellow brown (10YR 5/4) over an oxidized light olive brown subsoil (2.5Y 5/4) interpreted as culturally sterile subsoil.

Table 7. Artifacts Collected at the XEB-AR5-001 Nineteenth Century Artifact Scatter

| Pedestrian Survey Area | Stratum | Depth (cmbs) | Count | Description | Time Period | Sources |
|------------------------|---------|--------------|----------------------------|--------------------------|-------------|-------------|
| XEB-AR5.41 | I | 0-34 | 1 | Colorless Flat Glass | - | - |
| | | | 1 | Transfer Print Whiteware | 1820 + | Bagley, Joe |
| | | | 1 | Lead Glazed Redware | 1600 + | Bagley, Joe |
| | | | 1 | Unidentified Metal Nail | - | - |
| | | | Total Artifacts Collected: | | 4 | |

Recommendation: The XEB-AR5-001 site cannot be associated with significant historic trends or individuals and it does not embody significant architectural or engineering attributes, therefore, it is not eligible for listing on the NRHP under Criteria A, B, or C. Given the fragmented and damaged state of the artifact assemblage and the lack of intact features, further research at the site is unlikely to obtain significant data pertinent to understanding regional history. Therefore, the site is not eligible under Criterion D. The site is currently located within the Facility and it may be impacted by Facility-related construction. However, regardless of Facility-related impacts, it does not meet the S/NRHP Criteria for evaluation so there will be no impacts to significant resources. No further archaeological investigations are recommended.

3.4 Identified Archaeological Isolate

3.4.1 XDB1.W01

Site Type: Nineteenth Century Artifact Isolate

Archaeology Survey Area: XDB

Site Description: The XDB1.W01 isolate is a singular Ironstone jug fragment found during pedestrian survey, dating to the mid nineteenth to early twentieth century (Table 8; Appendix B, Photo 31). (LOCATION REDACTED)

No evidence of an intact foundation or associated features were identified during survey. The site's integrity of setting and feeling have been significantly compromised by agricultural terrain modification. The site's integrity of location is somewhat compromised because the artifact may have been fragmented prior to/during agricultural disturbance.

Soils within the site area are mapped as Busti silt loam, 3 to 8% slope (ESRI and NRCS, 2020). [REDACTED]

[REDACTED] Overall, this site has been subjected to moderate to heavy disturbance (Figure 4 - REDACTED; Appendix B, Photos 29-30).

The XDB1.W01 historic-period isolate find dates from the mid nineteenth to early twentieth century. Pedestrian survey began at a 4-meter interval and, upon the discovery of the nineteenth-century period isolate, was completed at a 2-meter interval. In addition to the nineteenth century isolate, EDR staff identified plastic sheeting and roadside gravel along the edge of the field where the isolate was recovered. No additional artifacts were recovered.

Table 1. Artifacts Collected at the XDB1-W01 Nineteenth Century Isolate

| Pedestrian Survey Area | Stratum | Depth (cmbs) | Count | Description | Time Period | Sources |
|-----------------------------------|---------|--------------|----------|------------------------|-------------|-------------|
| XDB1.W01 | Surface | | 1 | Ironstone Jug Fragment | 1840 + | Bagley, Joe |
| Total Artifacts Collected: | | | 1 | | | |

Recommendation: The XDB1.W01 site is currently recommended as not eligible for listing on the S/NRHP under any Criteria. Given the poor integrity of association, the site cannot be associated with significant historic trends or individuals and it does not embody significant architectural or engineering attributes, therefore, it is not eligible for listing on the NRHP under Criteria A, B, or C. Given the fragmented and damaged state of the artifact assemblage and the apparent lack of intact features, further research at the site is unlikely to obtain significant data pertinent to understanding regional history. Therefore, the site is not eligible under Criterion D. The site is currently located within the Facility and it may be impacted by Facility-related construction. However, regardless of Facility-related impacts, it does not meet the S/NRHP Criteria for evaluation so there will be no impacts to significant resources. No further archaeological investigations are recommended.

4.0 SUMMARY AND CONCLUSIONS

4.1 Summary of Supplemental Phase IB Archaeological Survey Results

This Phase IB archaeological survey was completed in accordance with the Phase IA research design (EDR, 2021). Fieldwork described in this report occurred from June 7 to June 22, 2021. In total, EDR excavated 2,500 shovel tests for the supplemental Phase IB survey. Therefore, this Phase IB survey effort is equivalent to approximately 156 acres of Phase IB survey. As noted previously, the 2020 survey was conducted concurrent with the evolving Facility layout. As a result, some areas subjected to Phase IB survey are no longer part of the APE for Direct Effects or the Limits of Significant Ground Disturbance (Figure 4). In these areas, Facility components were moved or eliminated following archaeological survey fieldwork in order to avoid impacts to archaeological resources, or due to other siting constraints (e.g., wetland impacts, slopes, lease-issues, etc.).

As noted in Section 3, the archaeological survey resulted in the identification of six archaeological resources, consisting of one small Native American, nondiagnostic lithic scatter, four nineteenth century sites, and one nineteenth century isolated find. In total, 116 historic-period artifacts, and 13 nondiagnostic lithic debitage artifacts were collected during the survey (129 artifacts total). The lithic debitage site recorded during this survey consisted of a spatially confined, low-density, nondiagnostic chert debitage scatter consisting of a fine-grained chert that ranges from light to dark gray. The unmodified lithic debitage cannot be associated with a specific time-period or cultural tradition. These results are summarized in Table 9, below, with potential impacts and avoidance measures taken by the Applicant.

Table 9. Summary of Archaeological Resources Identified During the Supplemental Phase IB Survey

| Site Name | Description | Extent (acre) | Figure | Potential Impacts | Avoidance Measures/Recommendations |
|---------------|-------------|---------------|--------|-------------------|--------------------------------------|
| XWB-AR6-001 | | | | | None (Does not meet S/NRHP Criteria) |
| XLYA-001 | | | | | None (Does not meet S/NRHP Criteria) |
| XAR-001 | | | | | None (Does not meet S/NRHP Criteria) |
| J. Thorpe-001 | | | | | None (Does not meet S/NRHP Criteria) |
| XEB-AR5-001 | | | | | None (Does not meet S/NRHP Criteria) |
| XDB1.W01 | | | | | None (Does not meet S/NRHP Criteria) |

The lack of spatially extensive or concentrated densities of lithics, combined with the complete lack of diagnostic artifacts indicates a very limited use of this landscape by indigenous populations prior to its occupation by European settlers. The majority of lithic sites (from all parts of the Phase IB survey) consist of small numbers of artifacts and likely represent single- or limited-use camps or task sites. These sites are similar in that they all are composed of a few artifacts located within a relatively confined area, indicating relative lack of indigenous use of the Facility Site for resource exploitation, or habitation. This can be perhaps attributed to the harsh winters and excessive precipitation common within the Facility Site combined with the abundance of more suitable terrain for habitation and the acquisition of natural resources in the local vicinity. Though these sites indicate an indigenous presence within the Facility Site, they do not provide significant information pertaining to the lifeways and cultures of these peoples and are unlikely to yield further data.

The historic-period sites identified during the survey, although small in number, represent Euro-American occupation of Chautauqua County beginning in the late-eighteenth and continuing through the twentieth century. The sites are primarily related to agriculture which remains the primary land-use in the area today and they do not appear to be representative of any particularly noteworthy activities or individuals.

4.2 Recommendations

As described in Sections 3 of this report, the supplemental Phase IB archaeological survey was conducted in one mobilization from June 7 to June 22, 2021. All five sites and the isolated artifact identified during the Phase IB archaeological survey are recommended as not eligible for listing in the S/NRHP. The proposed South Ripley Solar project is not anticipated to result in significant adverse effects to any S/NRHP-eligible archaeological resources and no further archaeological investigation is recommended.

In the event that unanticipated archaeological resources are encountered during construction, the Facility's unanticipated discovery plan will include provisions to stop all work in the vicinity of the archaeological finds until those resources can be evaluated and documented by an archaeologist, in consultation with NYSHPO.

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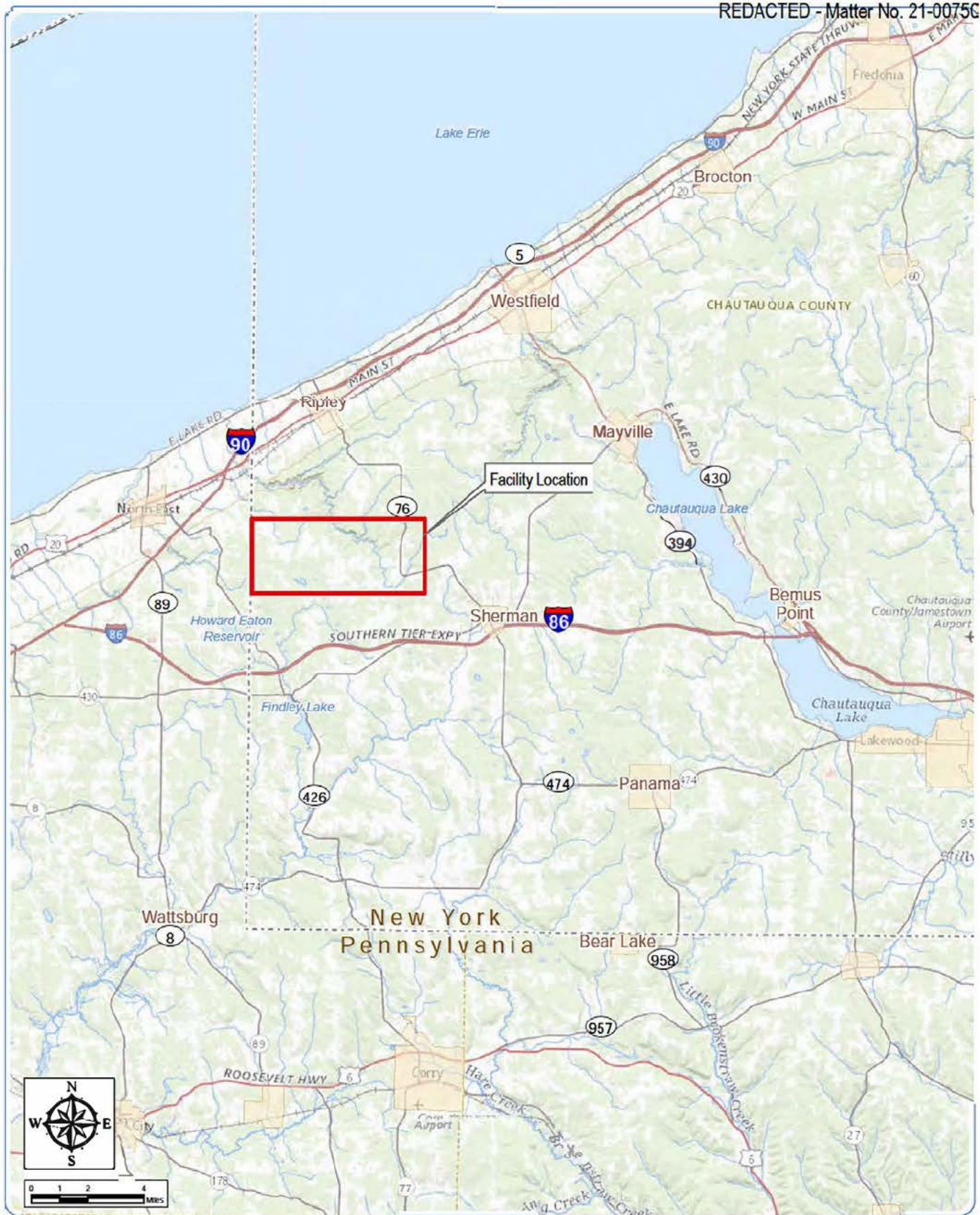
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Figures



South Ripley Solar Project
 Town of Ripley, Chautauqua County, New York
 Phase IB Archaeology Survey

Figure 1: Regional Facility Location

Notes: 1. Basemap: ESRI ArcGIS Online "USGS Topo" map service.
 2. This map was generated in ArcMap on July 2, 2021. 3. This is a
 color graphic. Reproduction in grayscale may misrepresent the data.

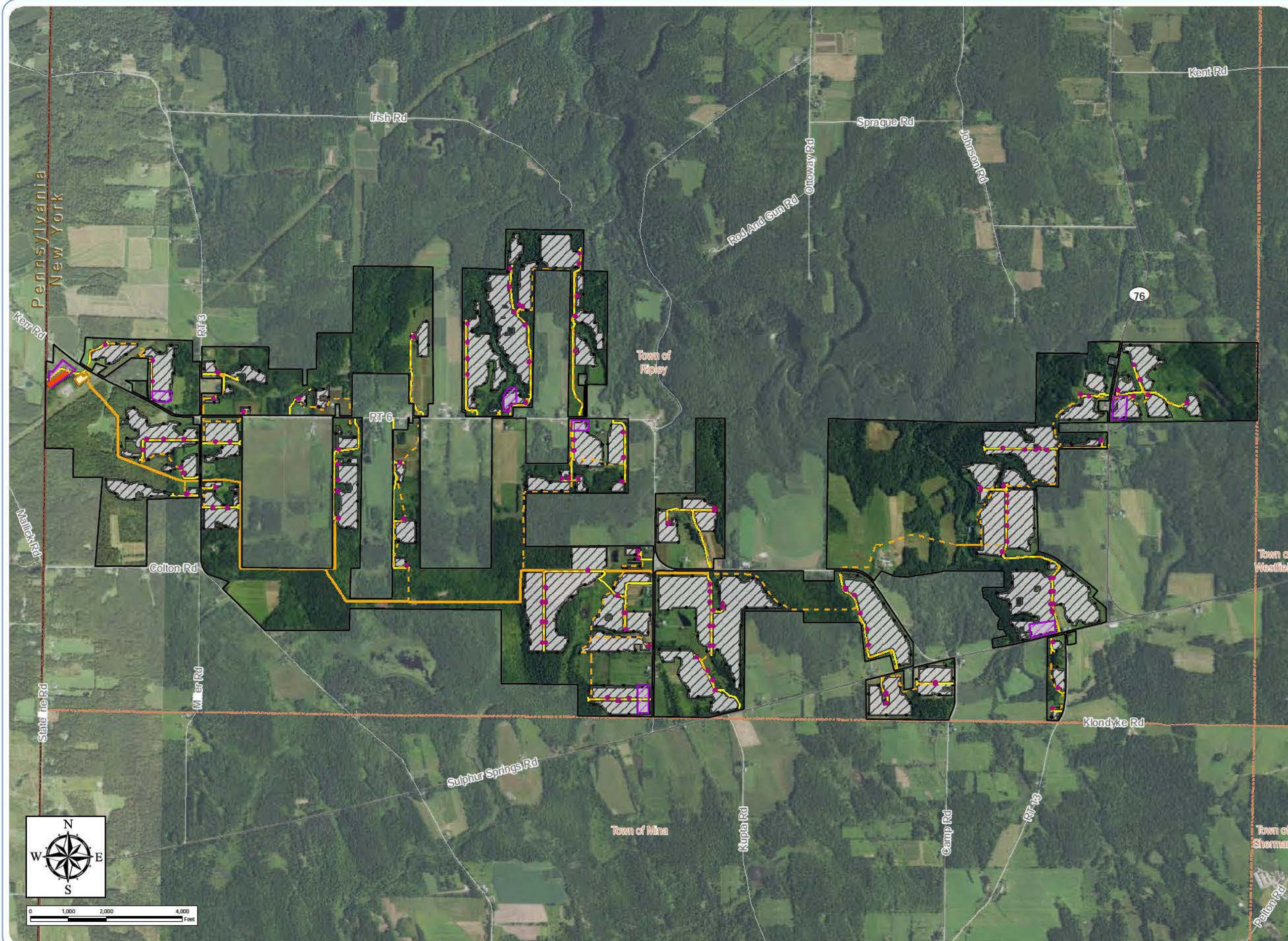


South Ripley Solar Project

Town of Ripley, Chautauqua County, New York

Phase IB Archaeology
Survey Report Addendum

Figure 2: Proposed
Facility Layout



- Access Road
- - - Underground Collection Line
- Overhead Collection Line
- Inverter
- Battery Energy Storage System
- Substation
- ▨ Laydown Yard
- - - Fenceline
- ▨ PV Panel Area
- ▭ Facility Site
- - - Town Boundary
- - - State Boundary

Notes: 1. Basemap: USDA NAIP "2019 New York 60cm" orthoimagery map service. 2. This map was generated in ArcMap on July 2, 2021. 3. This is a color graphic. Reproduction in grayscale may misrepresent the data.



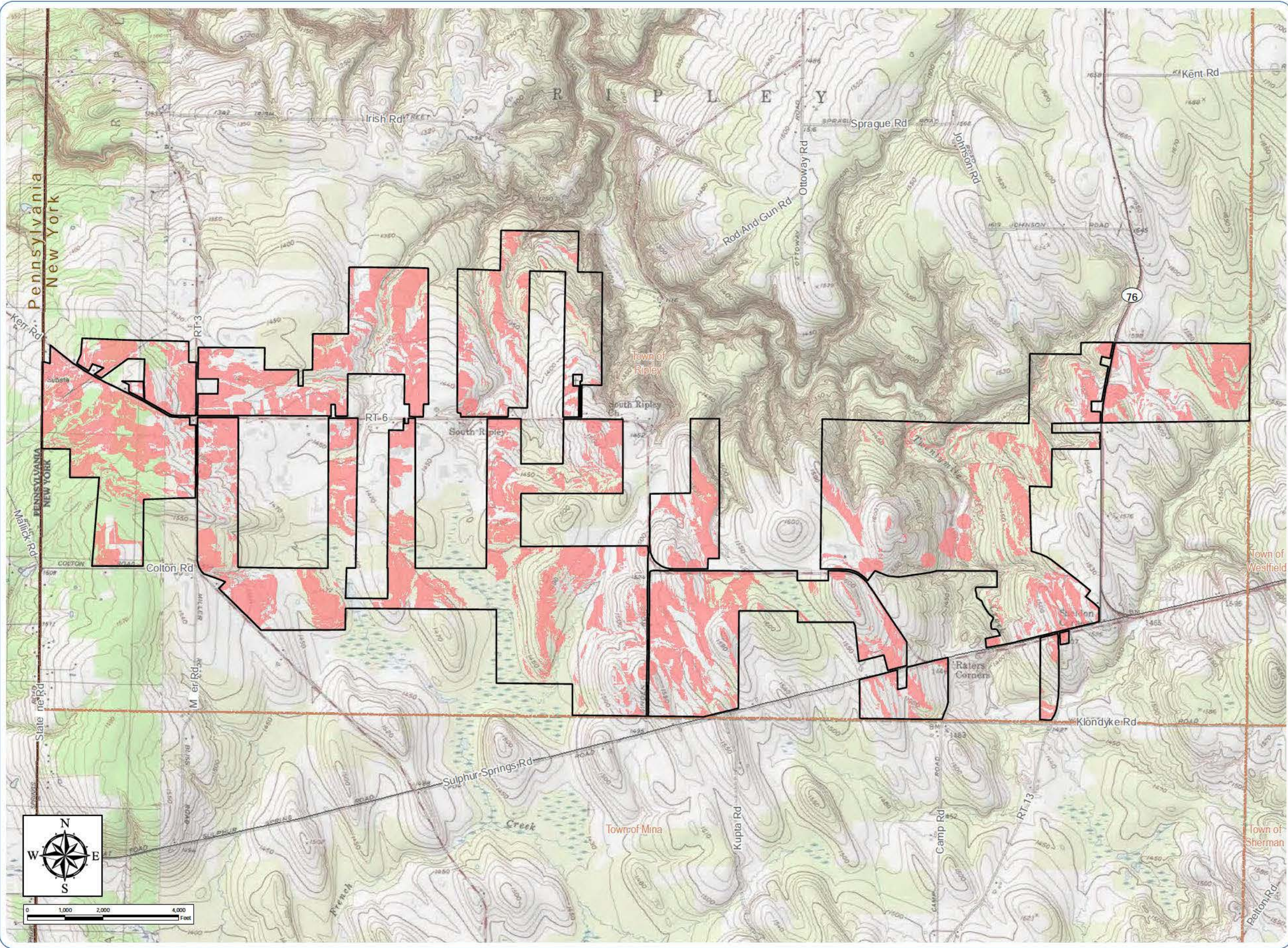
South Ripley Solar Project

Town of Ripley, Chautauqua County, New York

Phase IB Archaeology
Survey Report Addendum

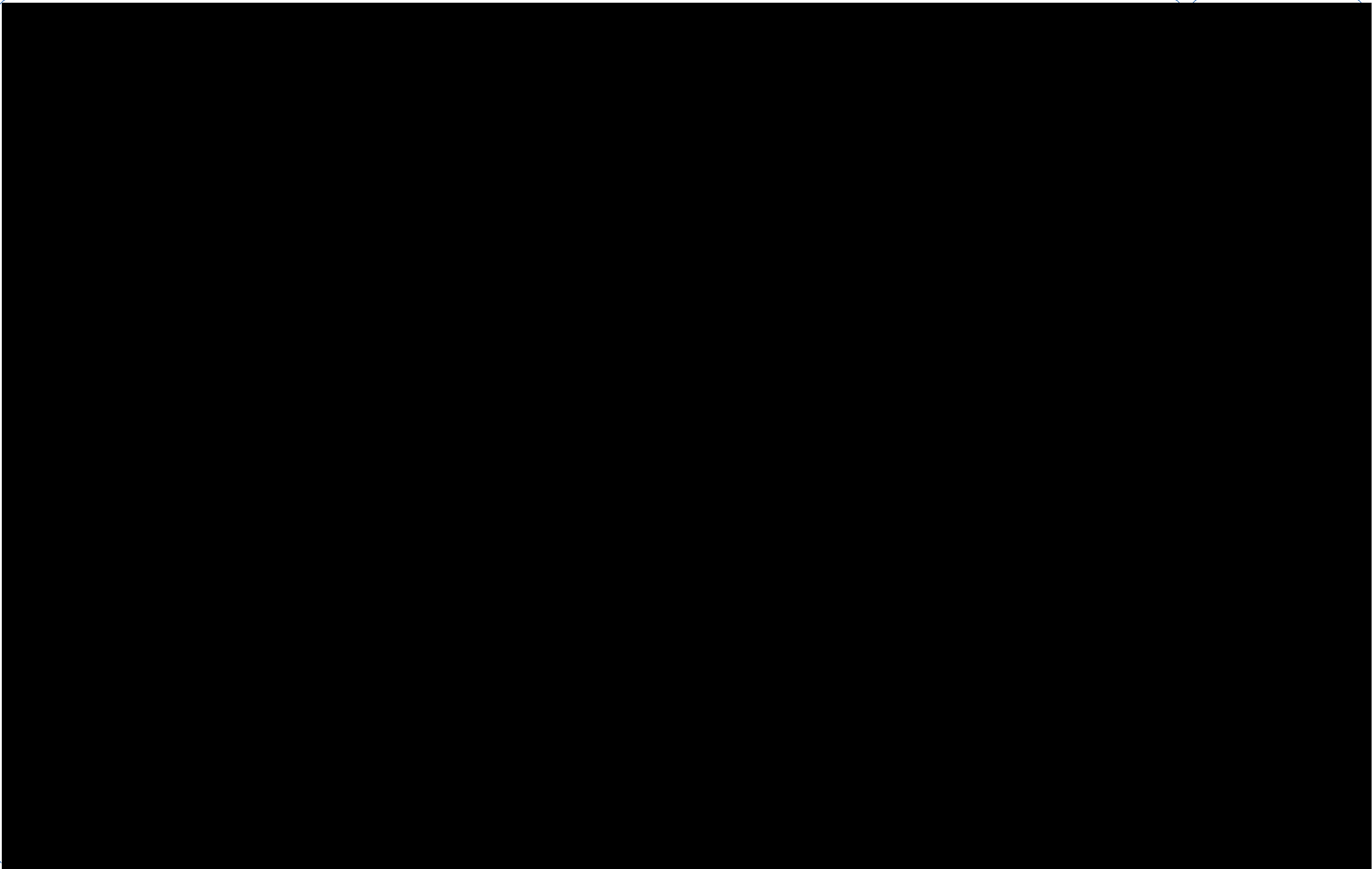
Figure 3: Archaeological
Sensitivity Assessment

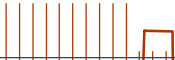
- Elevated Archaeological Sensitivity
- Facility Site
- Town Boundary
- State Boundary

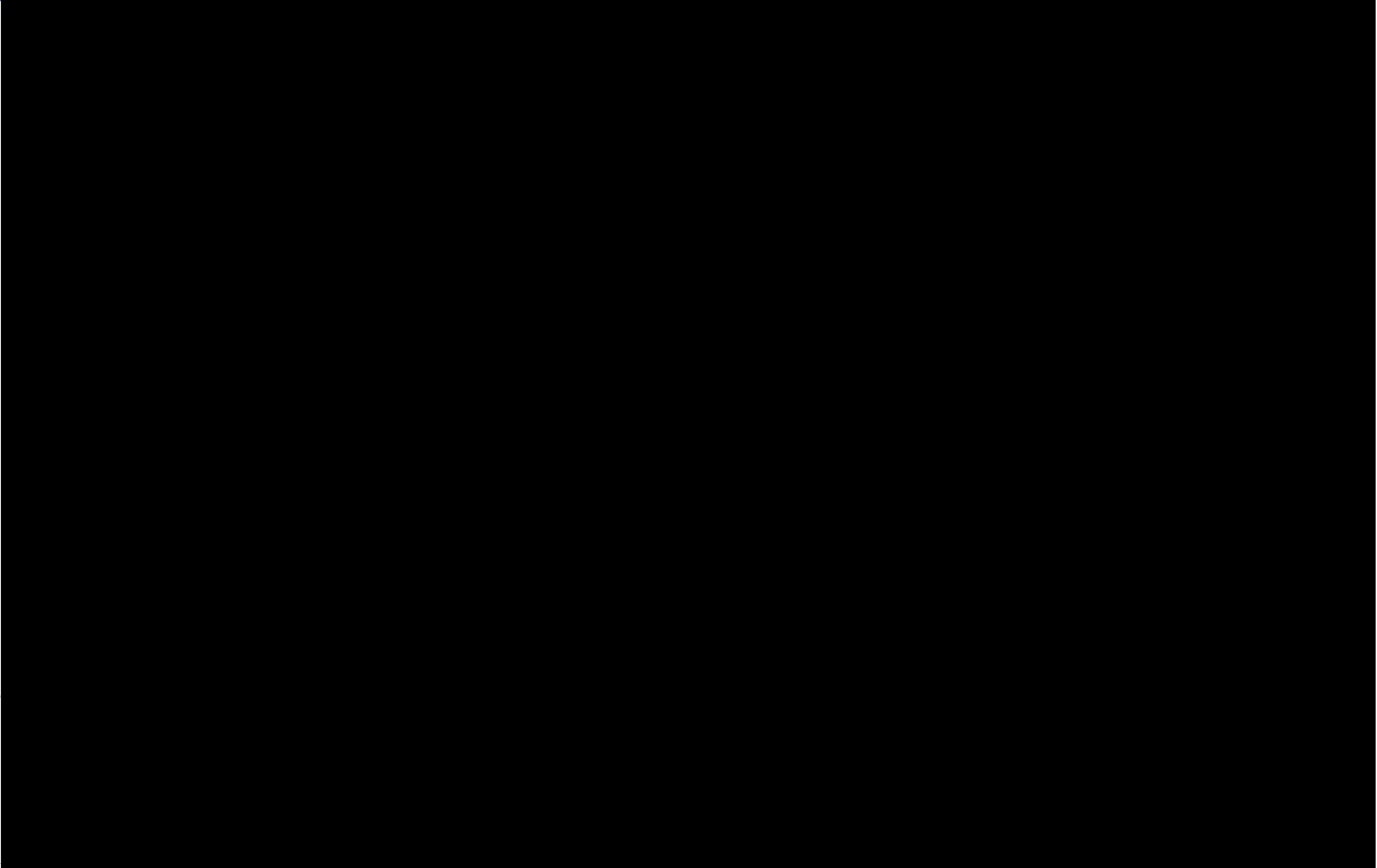


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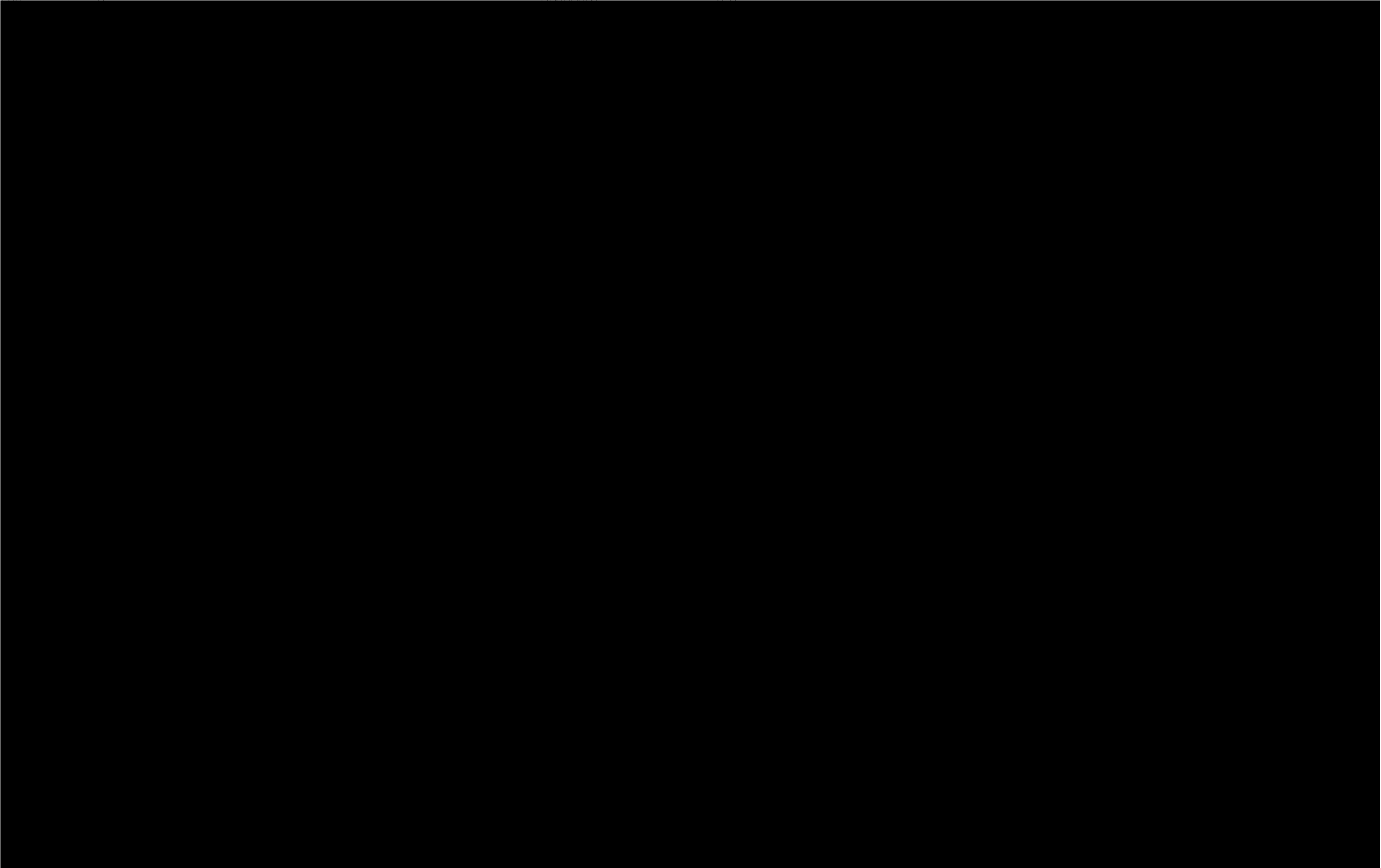


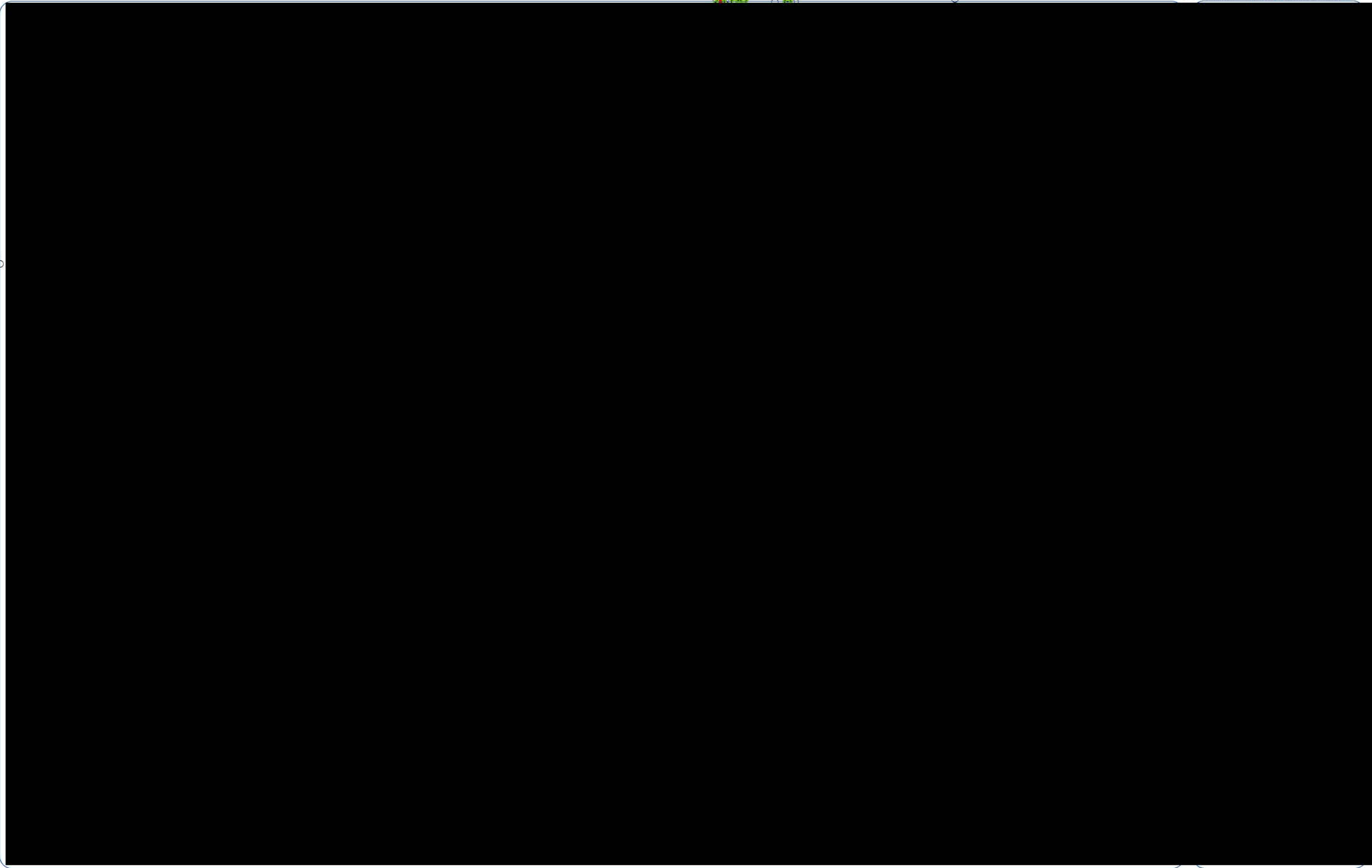




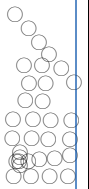
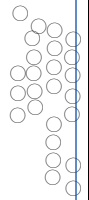


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Appendix A

NYSHPO Correspondence



Parks, Recreation, and Historic Preservation

ANDREW M. CUOMO
Governor

ERIK KULLESEID
Commissioner

May 26, 2021

Mr. Houtan Moaveni
Executive Deputy Director
Office of Renewable Energy Siting
99 Washington Ave
Albany, NY 12231

Re: DPS/ORES
South Ripley Solar Project/270 MW/2000 acres
~2000 acres within Town of Ripley, Chautauqua County, NY
20PR03687
Siting Board Case 19-F-0560

Dear Mr. Moaveni:

Thank you for requesting the comments of the Division for Historic Preservation of the Office of Parks, Recreation, and Historic Preservation (OPRHP). We have reviewed the Phase IB Archaeological Survey report prepared by EDR (Yankel et al. April 2021; 21SR00269) in accordance with the New York State Historic Preservation Act of 1980 (Section 14.09 of the New York Parks, Recreation and Historic Preservation Law). These comments are those of the Division for Historic Preservation and relate only to Historic/Cultural resources.

Based upon our review of the above-noted report, it appears that not all significant ground-disturbing impacts in areas of elevated sensitivity within the project's Area of Potential Effects (APE) were subject to the Phase IB Archaeological Survey. Moreover, it is our understanding that there have been significant changes to the proposed facility since the initial Phase IB was conducted. Before we provide our comments, OPRHP is requesting a Phase IB Addendum be conducted in all areas of substantial ground-disturbing impacts in areas of elevated archaeological sensitivity that were not previously surveyed or have since been added to the facility plans. Substantial ground-disturbing impacts that require archaeological investigations in areas of elevated sensitivity include the following:

- Grading and excavations more than six (6) inches deep (i.e., for access roads, land clearance/ leveling, staging/laydown areas; substations, battery/inverter locations, drainage, etc.)
- Grubbing, tree and stump removal
- Trenches more than three (3) feet wide (i.e. underground collection lines, etc.).

Alternatively, if project design flexibility or shovel-ready status is desired, the SHPO/OPRHP recommends 100% sampling of all elevated/highly sensitive areas irrespective of the nature and type of construction impact. With this approach, changes in project design will not require further archaeological consultation except for changes that may impact sites within the APE or that increase the size of the project area.

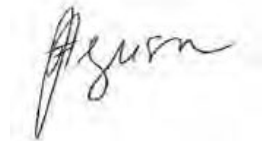
...2

Mr. Houtan Moaveni
May 26, 2021
Page 2.

Please submit the Phase IB Addendum report, including a zipped polygon shapefile of the Addendum Ph. IB's survey area using the Cultural Resource Information System (CRIS) survey token provided with this correspondence.

If further correspondence is required regarding this project, please refer to the OPRHP Project Review (PR) number noted above. If you have any questions, please contact me via email at Josalyn.Ferguson@parks.ny.gov.

Sincerely,



Josalyn Ferguson, Ph.D.
Scientist Archaeology

via email only

c.c. Alexandra Page, Cole Reuben & Christine Abrams, TSN
c.c. Andrew Davis, DPS
c.c. Bryan Printup, Tuscarora Nation
c.c. Derek Rieman, Isaac Phillips & John Kuba, ConnectGen
c.c. Joe Stahlman, SNI
c.c. Douglas Pippin, Grant Johnson, Justin Sabino, Kristen Olson & William Whipps, EDR

Memorandum

To: Josalyn Ferguson, Ph.D., Nancy Herter, Ph.D.
New York State Office of Parks, Recreation, and Historic Preservation

From: Patrick Heaton, RPA; Doug Pippin, Ph.D., RPA

Date: June 8, 2021

Reference: South Ripley Solar Project (20PR03687)
Supplemental Phase IB Research Design

EDR Project No: 19020

Dear Josalyn and Nancy,

Per our recent discussions, this memo summarizes EDR's proposed approach to completing a Supplemental Phase IB Archaeological Survey for the South Ripley Solar Project ("Project"). The Supplemental IB is being conducted in consideration of NYSOPRHP/NYSHPO's comments on the Phase IB Archaeological Survey Report and in order to address Project design changes that have resulted in revised limits of ground disturbance for the project.

EDR is proposing a revision to our archaeological sensitivity model for the Project, which is informed by the results of Phase IB survey conducted to date, improved environmental data for the site (i.e., delineated wetlands), consultation with NYSOPRHP/NYSHPO, and the NYSHPO's 2020 *Guidelines for Solar Facility Development Cultural Resources Survey Work* (hereafter, the NYSHPO Solar Guidelines).

As part of the Phase IA Archaeological Survey report (January 2021) for the Project, EDR proposed an archaeological sensitivity model that defined areas of high or elevated archaeological sensitivity to include:

1. Areas within 1,000 feet (305 m) of known archaeological sites (NYSOPRHP/NYSM Sites).
2. Areas within known NYSM Areas.

And Areas where 2 out of the 3 following environmental variables apply:

3. Areas within 1,500 feet (457 meters) of water, wetlands, or hydric soils.
4. Soils classified as moderately well drained, well drained, somewhat excessively drained, and excessively drained, according to ESRI and SSURGO (2020) soils mapping.
5. Ground slope of 5% or less.

Phase IB archaeological survey conducted to date for the Project consisted of shovel testing within areas where substantial proposed ground disturbance (per the NYSHPO Solar Guidelines)

overlapped with areas of high sensitivity (per the model above). The Phase IB survey resulted in the identification of 15 archaeological sites within the Facility Site. Of these 15 sites, 11 were located less than 328 feet (100 m) from water, consistent with the recommended environmental variables in the NYSHPO Solar Guidelines. Of the remaining 4 sites, 3 were isolated artifacts and the fourth consisted of 2 chert flakes from 2 shovel tests. None of these sites have been recommended to be NRHP-eligible. In addition, sites were identified in soils with drainage classes that included excessively drained, somewhat excessively drained, well drained, moderately well drained, and somewhat poorly drained. Based on these data and the NYSHPO Solar Guidelines, EDR refined the archaeological sensitivity model for the Facility Site – areas of elevated/high archaeological sensitivity per the revised model include [revisions to the model are in bold]:

1. Areas within 1,000 feet (305 m) of known archaeological sites (NYSOPRHP/NYSM Sites).
2. Areas within known NYSM Areas.
3. Areas within **328 feet (100 m) of delineated wetlands, streams,** or hydric soils.
4. Soils classified as **somewhat poorly drained,** moderately well drained, well drained, somewhat excessively drained, and excessively drained, according to ESRI and SSURGO (2020) soils mapping.
5. Ground slope of 5% or less.

The attached Map shows the revised sensitivity model, limits of proposed substantial ground disturbance (per the revised project layout), areas tested during the prior Phase IB archaeological survey, and remaining areas to be tested in the Supplemental Phase IB survey. The remaining areas to be tested total approximately 110-115 acres.

EDR has initiated the Supplemental Phase IB Archaeological Survey consistent with the methods and research design (except as noted herein) previously presented in our Phase IA and Phase IB reports. The revised archaeological sensitivity model and rationale for revising the model (as summarized herein) will be described in the Supplemental Phase IB Archaeological Survey report.

Please contact Patrick Heaton at pheaton@edrdpc.com or 315.471.0688x621 if you have any concerns or would like to further discuss the proposed approach for the Supplemental Phase IB Archaeological Survey.

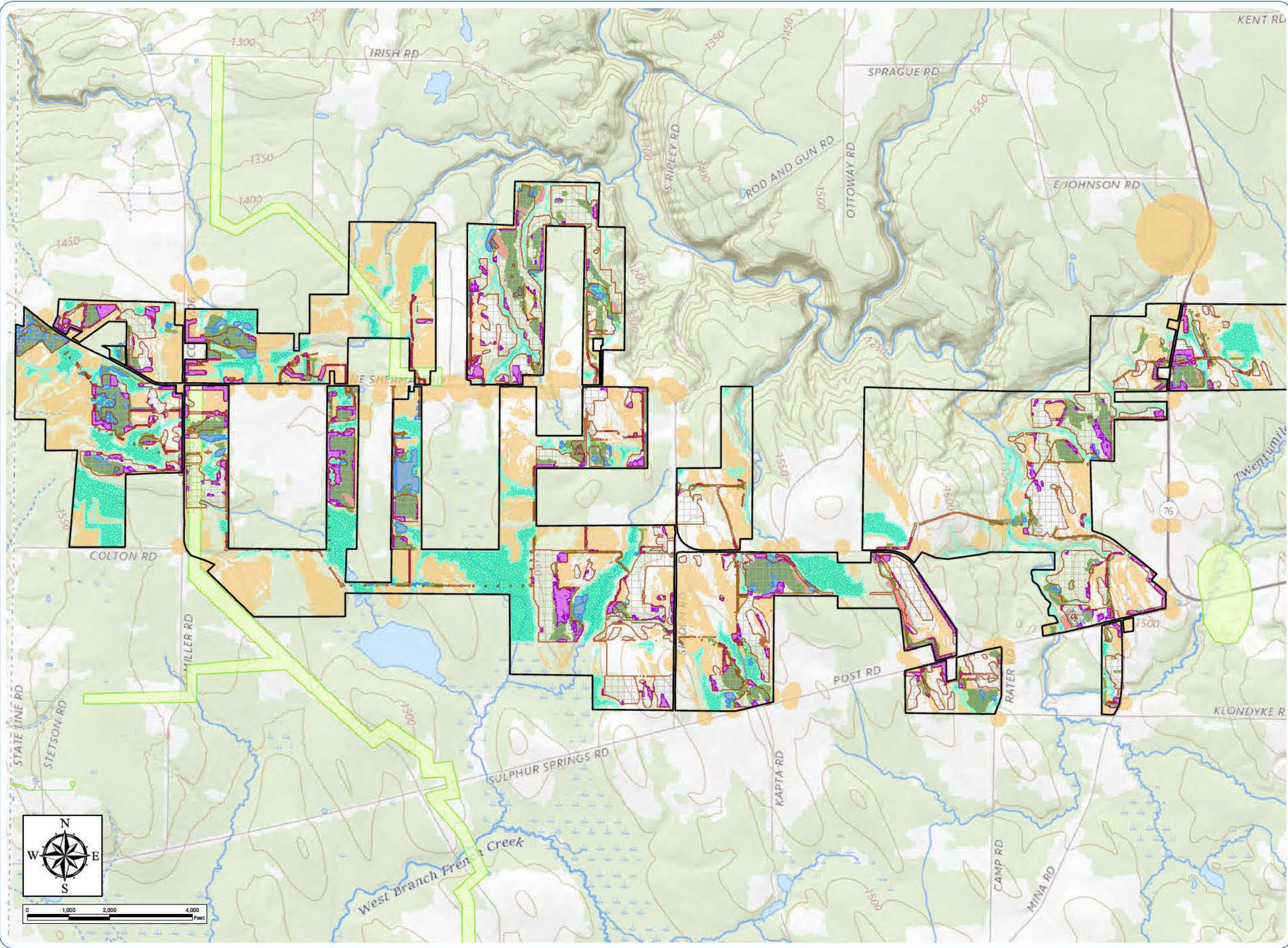
Thank you,
Patrick Heaton
Principal, EDR

Attachment: Map 1. Supplemental Phase IB Archaeological Survey Research Design

South Ripley Solar Project

Town of Ripley, Chautauqua County, New York

Map 1. Supplemental Phase IB Archaeological Survey Research Design



- Remaining Survey Area
- EDR 2020 Phase IB Shovel Tested Area
- Previous Archaeological Survey
- Field Identified Steep Slope
- Field Identified Disturbance
- Field Identified Inundated Terrain
- Delineated Wetland/Stream
- Archaeological Sensitive Area
- Limits of Significant Soil Disturbance
- Facility Site

Notes: 1. Basemap: ESRI ArcGIS Online "USA Topo Maps" map service. 2. This map was generated in ArcMap on June 9, 2021. 3. This is a color graphic. Reproduction in grayscale may misrepresent the data.





**Parks, Recreation,
and Historic Preservation**

ANDREW M. CUOMO
Governor

ERIK KULLESEID
Commissioner

June 10, 2021

Patrick Heaton, Director of Cultural Resources
Environmental Design & Research, Landscape Architecture, Engineering, & Environmental
Services, DPC
217 Montgomery Street, Suite 1000
Syracuse, NY 13202

Re: DPS
South Ripley Solar Project/270 MW/2000 acres
~2000 acres within Town of Ripley, Chautauqua County, NY
20PR03687
Siting Board Case 19-F-0560

Dear Patrick Heaton:

Thank you for requesting the comments of the Division for Historic Preservation of the Office of Parks, Recreation, and Historic Preservation (OPRHP). We have reviewed your memo of June 8, 2021, in accordance with the New York State Historic Preservation Act of 1980 (Section 14.09 of the New York Parks, Recreation, and Historic Preservation Law). These comments are those of the Division for Historic Preservation and relate only to archaeological Historic/Cultural resources.

Based upon our review, OPRHP concurs with the proposed revised scope of work for the Phase IB Addendum survey presented in the above-noted memo (see attached).

If you have any questions, I can be reached via e-mail at Josalyn.Ferguson@parks.ny.gov.

Sincerely,

Josalyn Ferguson, Ph.D.
Scientist Archaeology

via email only

c.c. A. Page, C. Reuben, C. Abrams & Chief Hill, TSN
c.c. A. Davis, DPS
c.c. Bryan Printup, Tuscarora Nation
c.c. D. Rieman, I. Phillips & J. Kuba, ConnectGen
c.c. D. Pippin, G. Johnson, J. Sabino, K. Olson & W. Whipps
c.c. H. Moaveni, ORES
c.c. J. Stahlman, SNI

Attch.

Division for Historic Preservation

P.O. Box 189, Waterford, New York 12188-0189 • (518) 237-8643 • parks.ny.gov

Memorandum

To: Josalyn Ferguson, Ph.D., Nancy Herter, Ph.D.
New York State Office of Parks, Recreation, and Historic Preservation

From: Patrick Heaton, RPA; Doug Pippin, Ph.D., RPA

Date: June 8, 2021

Reference: South Ripley Solar Project (20PR03687)
Supplemental Phase IB Research Design

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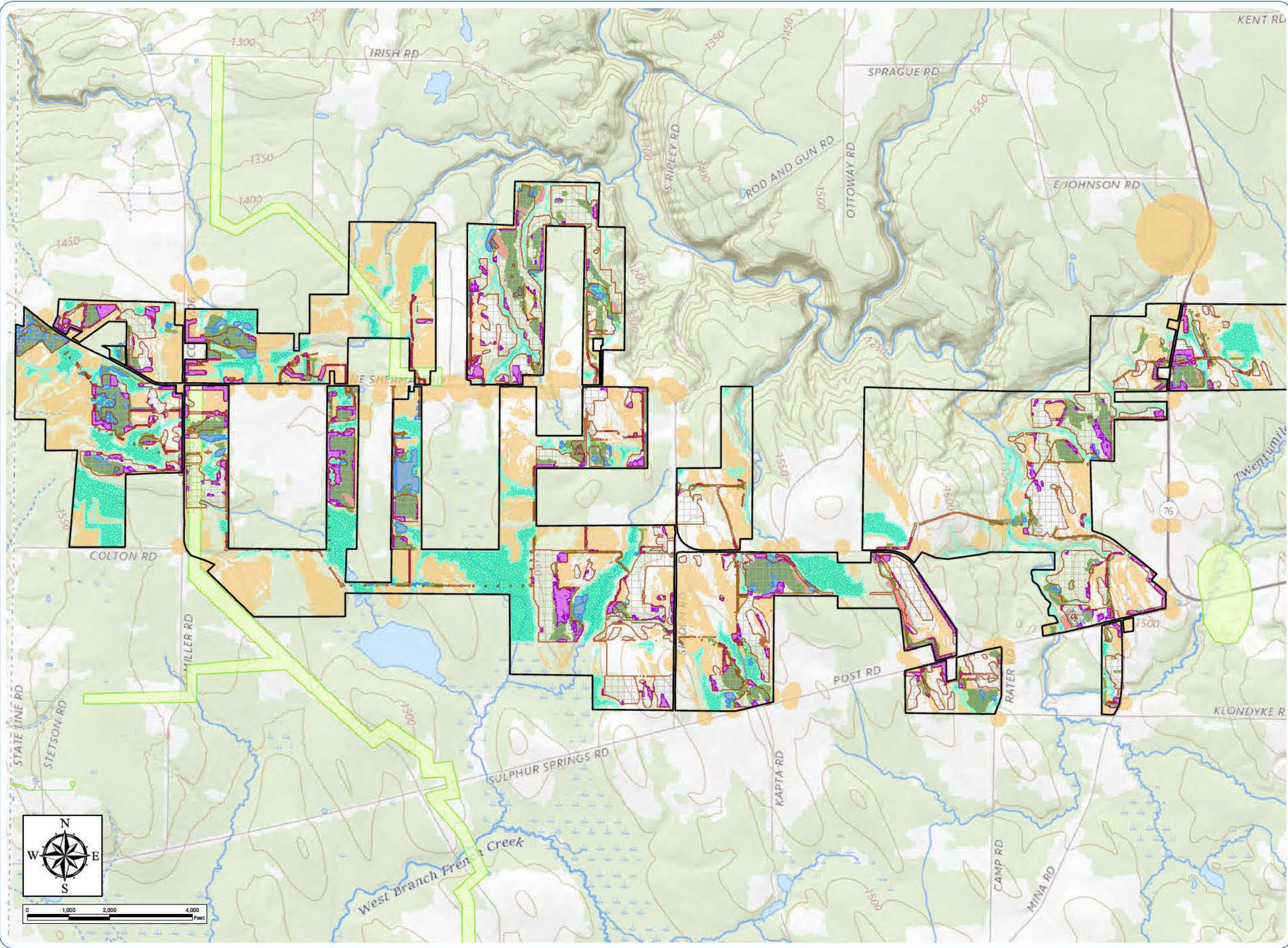
Thank you,
Patrick Heaton
Principal, EDR

Attachment: Map 1. Supplemental Phase IB Archaeological Survey Research Design

South Ripley Solar Project

Town of Ripley, Chautauqua County, New York

Map 1. Supplemental Phase IB Archaeological Survey Research Design



- Remaining Survey Area
- EDR 2020 Phase IB Shovel Tested Area
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Notes: 1. Basemap: ESRI ArcGIS Online "USA Topo Maps" map service. 2. This map was generated in ArcMap on June 9, 2021. 3. This is a color graphic. Reproduction in grayscale may misrepresent the data.



June 15, 2021

Dr. Joe Stahlman, Director
Seneca-Iroquois National Museum
Seneca Nation of Indians
joe.stahlman@sni.org

**RE: South Ripley Solar Project
Cultural Resources Surveys
EDR Project #19020**

Dear Dr. Stahlman:

I am writing to provide the Seneca Nation of Indians with the cultural resources survey documents for the proposed South Ripley Solar Project in the Town of Ripley, Chautauqua County, New York (the Facility). ConnectGen Chautauqua County LLC (ConnectGen) is currently planning, designing, and conducting permitting studies for the Project (please see attached Maps 1 and 2). This letter includes a brief introduction about the proposed solar facility, a list of the cultural resources studies that are being prepared for the project, and a link to a SharePoint site where PDF copies of the cultural resources survey reports are available for review and comment by the Nation.

The Facility will consist of arrays of photovoltaic panels with a total generating capacity of up to 270 megawatts, and associated infrastructure including collection lines and access roads. The Facility would be built on leased, privately-owned land totaling approximately 2,400 acres (Facility Site; see Maps 1 and 2), consisting of active agricultural land, successional fields and/or forest, and cultivated tree farms. Not all the land included in the Facility Site will ultimately be included in the Facility. Rather, the Facility Site represents the extents of parcels upon which Facility components will be developed. This provides flexibility during Facility development to minimize and avoid impacts to cultural resources, visual resources, wetlands, wildlife habitat, and other sensitive resources. At this time, it is anticipated that the total area occupied by project infrastructure will be approximately 1,500 acres.

ConnectGen is seeking a permit to construct the Facility from New York State through the Office of Renewable Energy Siting (ORES), which issues permits for major renewable energy facilities

under Section 94-c of the New York State Executive Law. Chapter XVIII Title 19 of NYCRR Part 900 establishes the procedural and substantive requirements for a Siting Permit Application under Section 94-c.

The Siting Permit Application prepared for the Facility will include engineering plans and the results of various environmental and cultural resources studies. The environmental and permitting studies are being prepared on behalf of ConnectGen by Environmental Design & Research (EDR), an environmental consulting firm based in Syracuse, New York.

For your reference, ConnectGen's primary point of contact for the project is:

Isaac Phillips
Development Manager
Email: info@southripleysolar.com
Phone: (800) 338-8905

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- Phase IA Archaeological Survey
- Phase IA Historic Resources Survey Methodology
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- Siting Permit Application submitted to ORES (Summer 2021)
- U.S. Army Corps of Engineers Section 404 Clean Water Act permit coordination (Late 2021)

We look forward to working with you, and appreciate your review and/or comments. If you have any questions or would like additional information, please contact me at dpippin@edrdpc.com or (585) 752-6147, or Patrick Heaton at pheaton@edrdpc.com or (315) 471-0688.

We are confident that the South Ripley Solar Project can be developed in a manner that is respectful of the Seneca Nation of Indians' heritage.

Thank you very much for your time.

Sincerely,



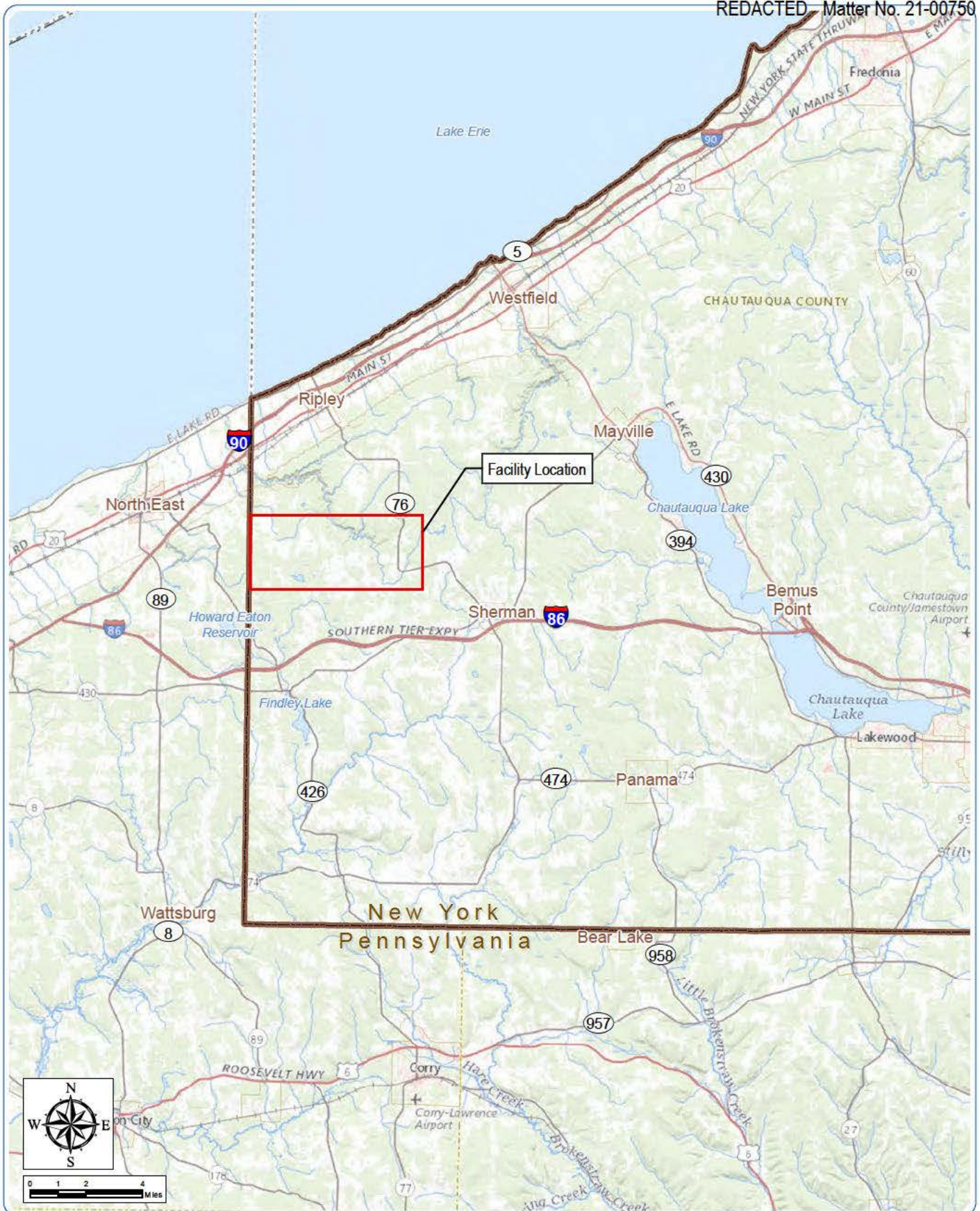
Douglas J Pippin, PhD, RPA
EDR Senior Project Manager, Archaeology

Attachments:

- Map 1. Regional Facility Location
- Map 2. Facility Site

Copy to (via email):

- President Matthew Pagels, Seneca Nation of Indians
- Nancy Herter, PhD, New York State Historic Preservation Office
- Josalyn Ferguson, PhD, New York State Historic Preservation Office



South Ripley Solar Project

Town of Ripley, Chautauqua County, New York

Regional Facility Location

 State Boundary

Notes: 1. Basemap: ESRI ArcGIS Online "World Topographic Map" map service.
2. This map was generated in ArcMap on May 10, 2021. 3. This is a color graphic. Reproduction in grayscale may misrepresent the data.



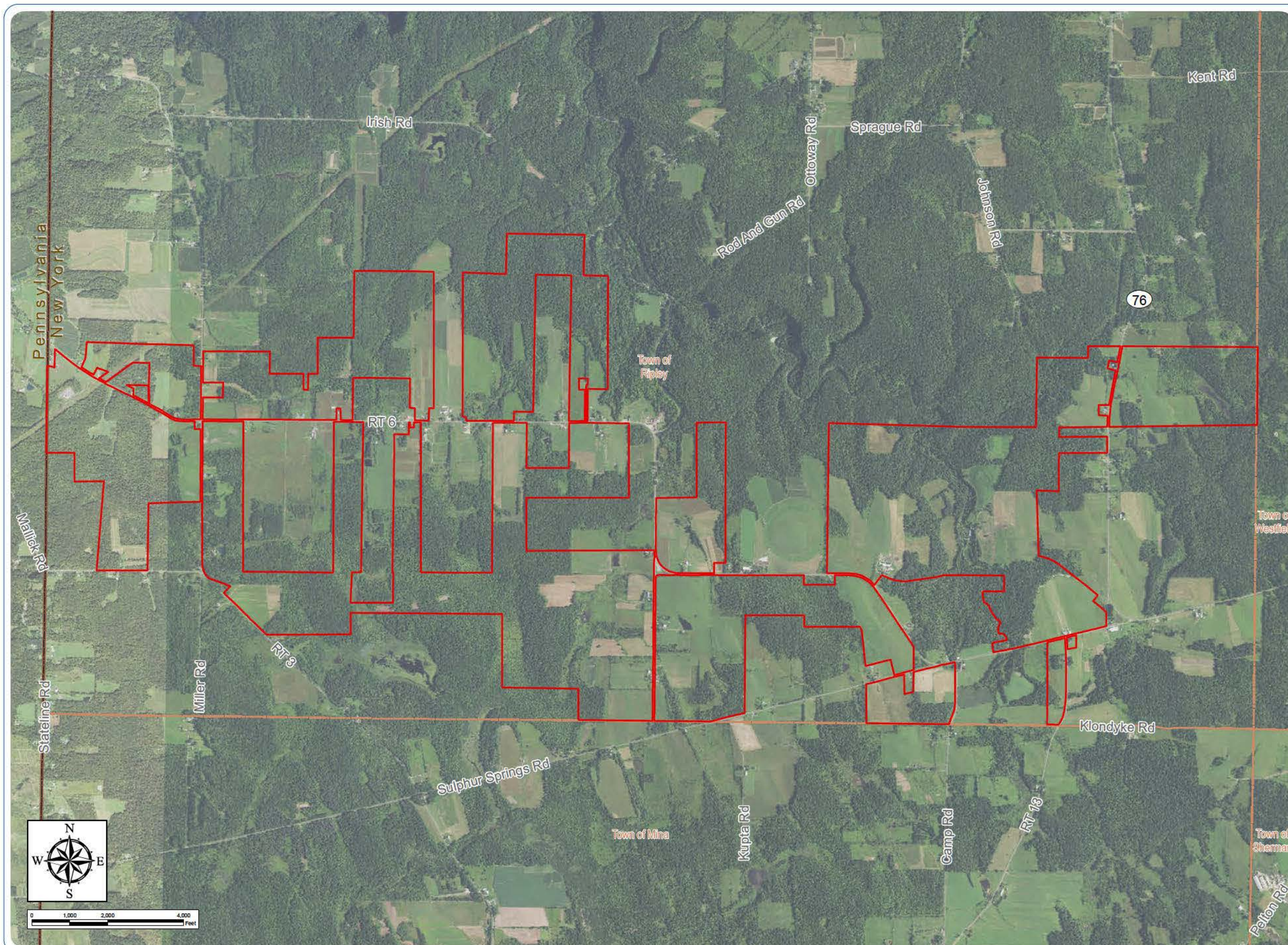
South Ripley Solar Project

Town of Ripley, Chautauqua County, New York

Facility Site

-  Facility Site
-  Town Boundary
-  State Boundary

Notes: 1. Basemap: USDA NAIP "2019 New York 60cm" orthoimagery map service. 2. This map was generated in ArcMap on February 9, 2021. 3. This is a color graphic. Reproduction in grayscale may misrepresent the data.



June 15, 2021

Chief Roger Hill
Tonawanda Seneca Nation
7027 Meadville Road
Basom, NY 14013
tonseneca@aol.com

**RE: South Ripley Solar Project
Cultural Resources Surveys
EDR Project #19020**

Dear Chief Hill:

I am writing to provide the Tonawanda Seneca Nation with the cultural resources survey documents for the proposed South Ripley Solar Project in the Town of Ripley, Chautauqua County, New York (the Facility). ConnectGen Chautauqua County LLC (ConnectGen) is currently planning, designing, and conducting permitting studies for the Project (please see attached Maps 1 and 2). This letter includes a brief introduction about the proposed solar facility, a list of the cultural resources studies that are being prepared for the project, and a link to a SharePoint site where PDF copies of the cultural resources survey reports are available for review and comment by the Nation.

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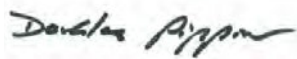
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We look forward to working with you, and appreciate your review and/or comments. If you have any questions or would like additional information, please contact me at dpippin@edrdpc.com or (585) 752-6147, or Patrick Heaton at pheaton@edrdpc.com or (315) 471-0688.

We are confident that the South Ripley Solar Project can be developed in a manner that is respectful of the Tonawanda Seneca Nation's heritage.

Thank you very much for your time.

Sincerely,



Douglas J Pippin, PhD, RPA

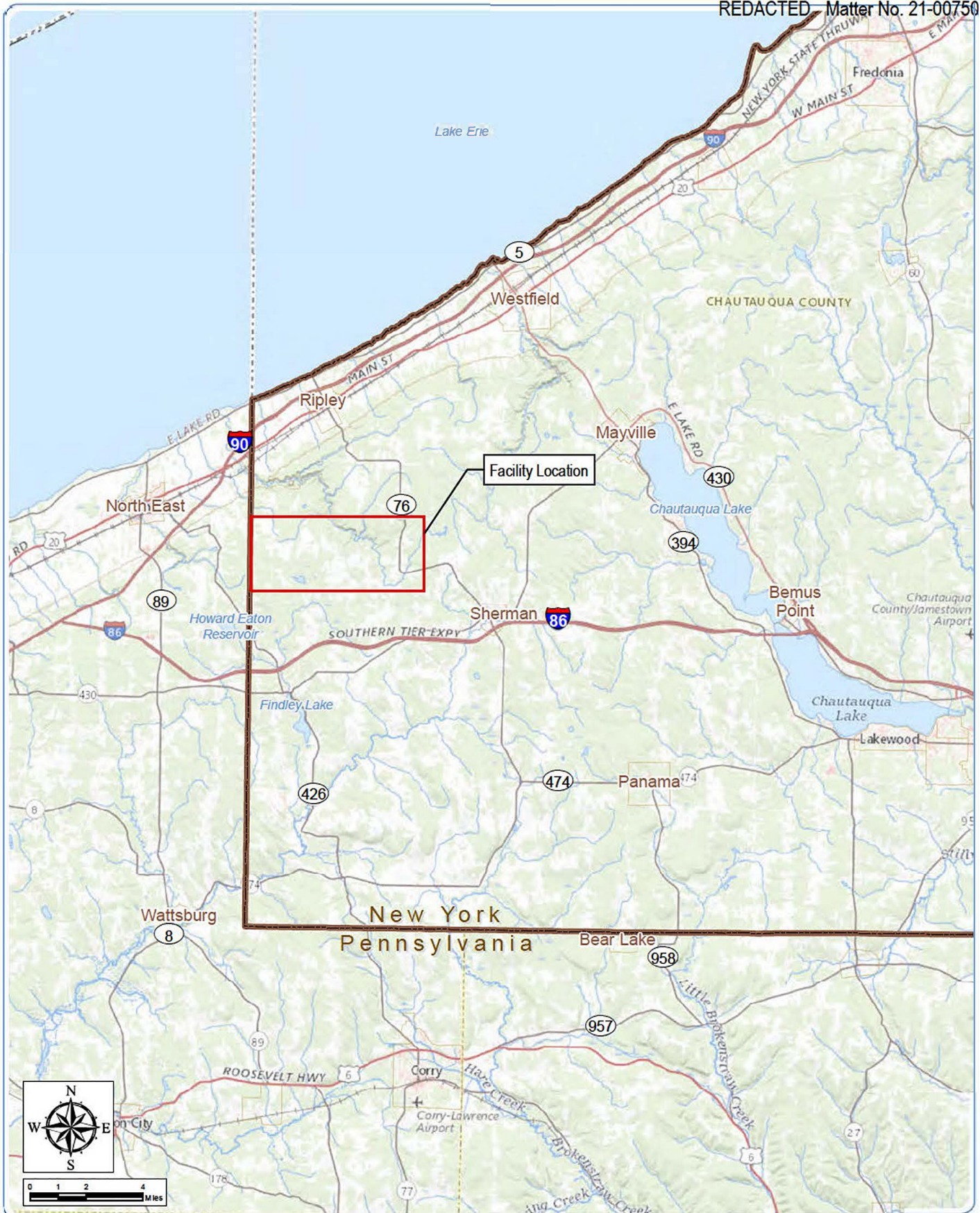
EDR Senior Project Manager, Archaeology

Attachments:

- Map 1. Regional Facility Location
- Map 2. Facility Site

Copy to (via email):

- Christine Abrams, Tonawanda Seneca Nation
- Alex Page, Berkey Williams
- Nancy Herter, PhD, New York State Historic Preservation Office
- Josalyn Ferguson, PhD, New York State Historic Preservation Office



South Ripley Solar Project

Town of Ripley, Chautauqua County, New York

Regional Facility Location

 State Boundary

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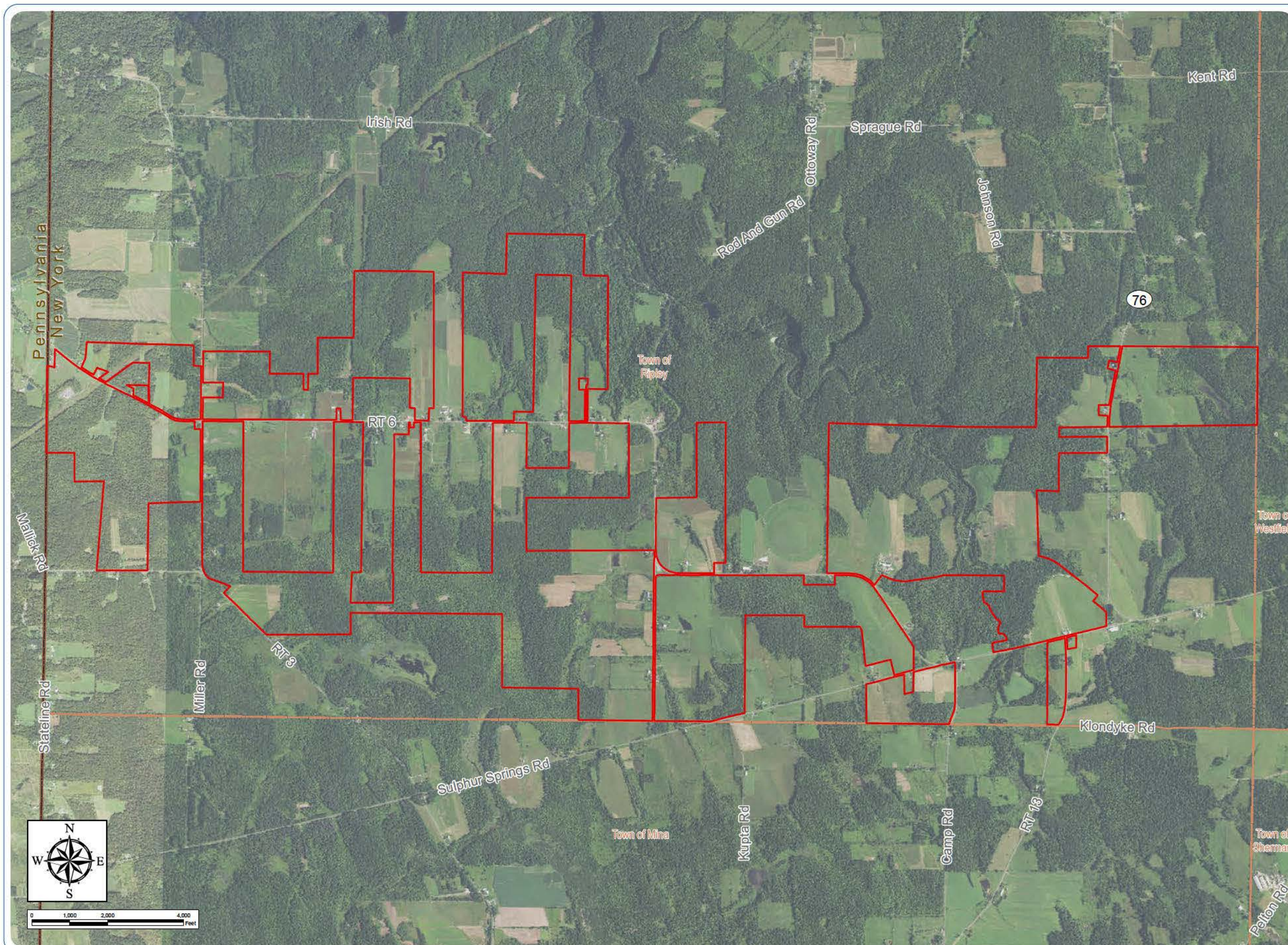
South Ripley Solar Project

Town of Ripley, Chautauqua County, New York

Facility Site

-  Facility Site
-  Town Boundary
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Notes: 1. Basemap: USDA NAIP "2019 New York 60cm" orthoimagery map service. 2. This map was generated in ArcMap on February 9, 2021. 3. This is a color graphic. Reproduction in grayscale may misrepresent the data.



June 15, 2021

Bryan Printup
Tuscarora Nation
5226 Walmore Road
Lewiston, NY 14092
bprintup@hetf.org

**RE: South Ripley Solar Project
Cultural Resources Surveys
EDR Project #19020**

Dear Mr. Printup:

I am writing to provide the Tuscarora Nation with the cultural resources survey documents for the proposed South Ripley Solar Project in the Town of Ripley, Chautauqua County, New York (the Facility). ConnectGen Chautauqua County LLC (ConnectGen) is currently planning, designing, and conducting permitting studies for the Project (please see attached Maps 1 and 2). This letter includes a brief introduction about the proposed solar facility, a list of the cultural resources studies that are being prepared for the project, and a link to a SharePoint site where PDF copies of the cultural resources survey reports are available for review and comment by the Nation.

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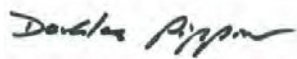
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Sincerely,



Douglas J Pippin, PhD, RPA

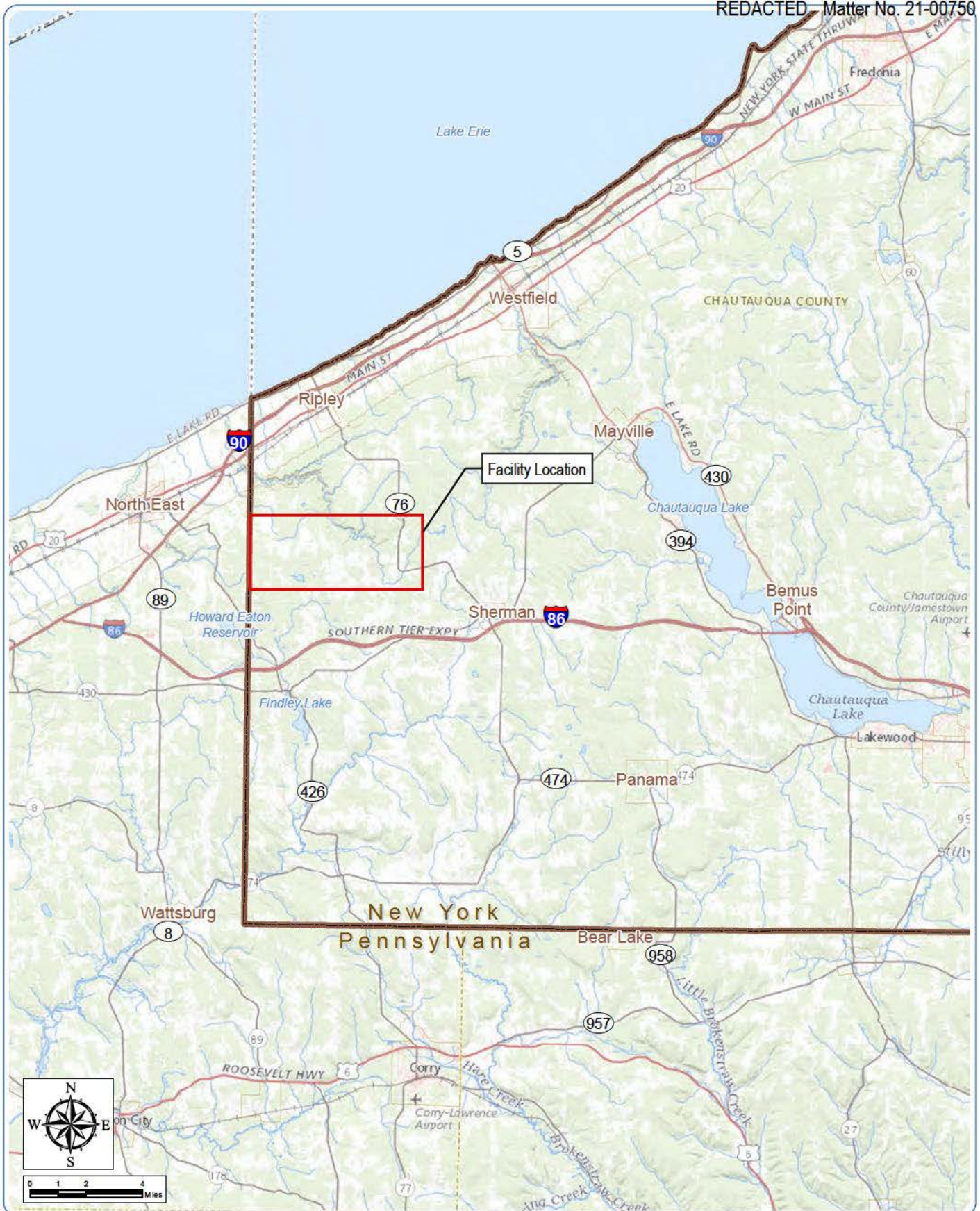
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South Ripley Solar Project

Town of Ripley, Chautauqua County, New York

Regional Facility Location

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 State Boundary



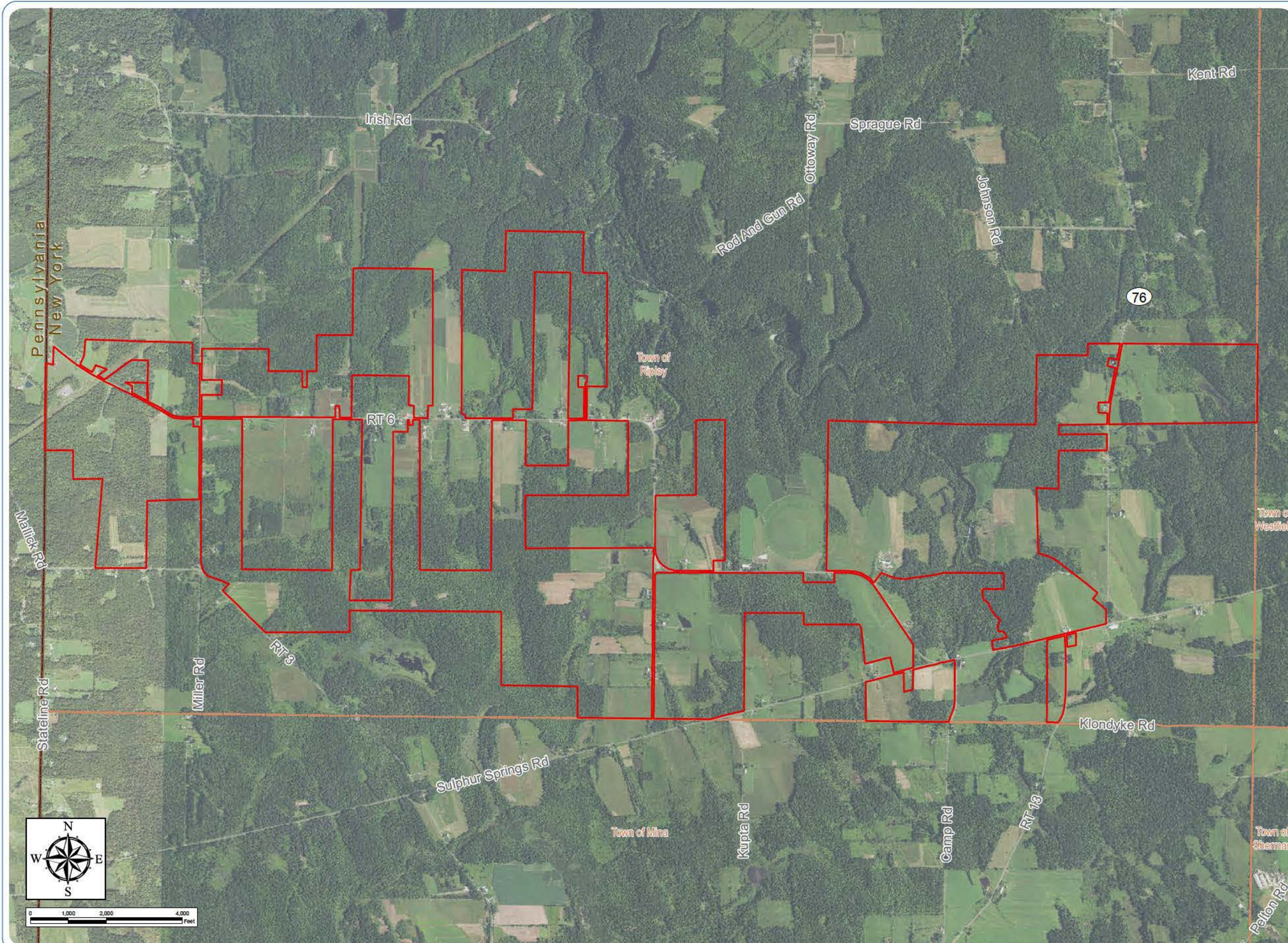
South Ripley Solar Project

Town of Ripley, Chautauqua County, New York

Facility Site

-  Facility Site
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Appendix B

Photographs



Photograph 1

A representative example of shovel test survey in hay field conditions. Survey Area XKC5, viewed south.



Photograph 2

A representative example of shovel test survey in forested conditions. Survey Area XGB1, viewed south.

South Ripley Solar Project

Town of Ripley, Chautauqua County, New York

Appendix B: Photographs

Sheet 1 of 16



Photograph 3

A representative example of pedestrian survey conditions within an upland agricultural field. Survey Area XDC, viewed west.



Photograph 4

The crew conducting pedestrian surface inspection in Survey Area XDC2, looking northwest.



Photograph 5

A typical example of disturbances along access roads and agricultural field edges. Survey Area XGA, viewed north.



Photograph 6

The crew excavating XWB-AR6-001, looking east.



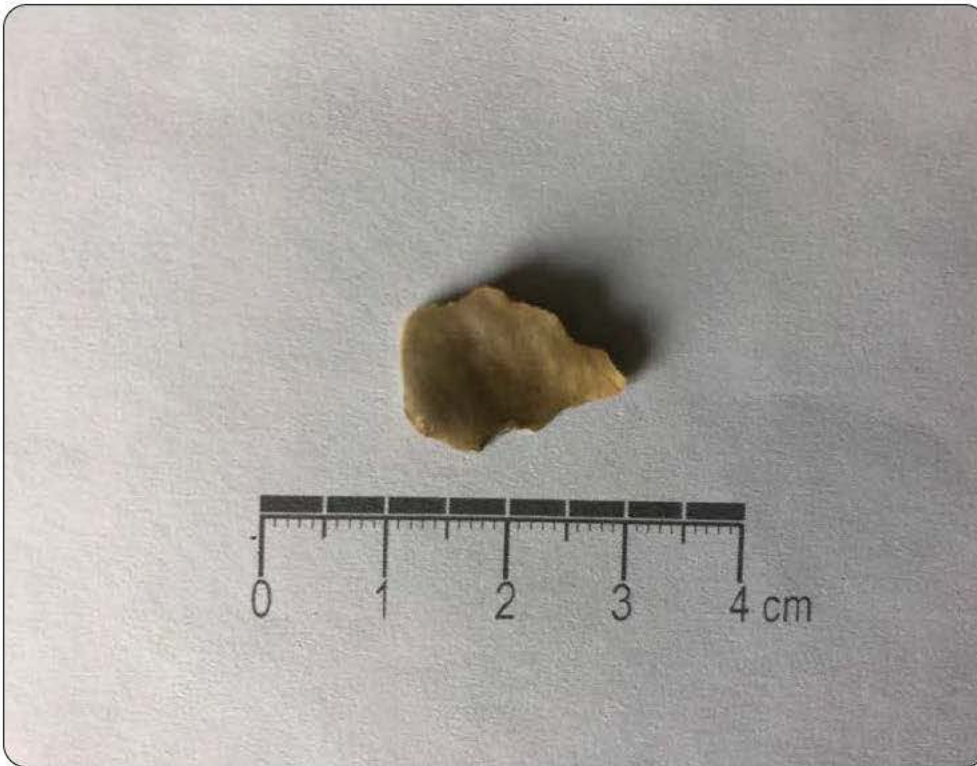
Photograph 7

The soil profile from XWB-AR6.10R1S, looking south



Photograph 8

Artifacts from XWB-AR6-001



Photograph 9

Chert lithic debitage found at
XWB-AR6.04



Photograph 10

XWB-AR6-001 site overview,
looking north.

South Ripley Solar Project

Town of Ripley, Chautauqua County, New York

Appendix B: Photographs

Sheet 5 of 16



Photograph 11

XLYA-001 site overview,
looking north .



Photograph 12

XLYA-001 site overview,
looking north



Photograph 13

The Crew excavating radials at XLYA-001, looking south



Photograph 14

A representative view of the roadside disturbance present at XLYA



Photograph 15

Soil profile from XLYA6.04,
viewed northeast.



Photograph 16

An artifact sample from
XLYA-001



Photograph 17

An overview of XAR-001 from the field edge, looking north.



Photograph 18

An artifact sample from XAR-001



Photograph 19

An overview of J. Thorpe-001, viewing southwest



Photograph 20

An overview of J. Thorpe-001, viewing northeast.

South Ripley Solar Project

Town of Ripley, Chautauqua County, New York

Appendix B: Photographs

Sheet 10 of 16



Photograph 21

A representative photo of visible disturbances at J. Thorpe-001, looking west.



Photograph 22

The soil profile from XHA1.22R3E, looking east.

South Ripley Solar Project

Town of Ripley, Chautauqua County, New York

Appendix B: Photographs

Sheet 11 of 16



Photograph 23

A representative artifact sample from J. Thorpe-001.



Photograph 24

The crew excavating XEB-AR5, facing southwest.

South Ripley Solar Project

Town of Ripley, Chautauqua County, New York

Appendix B: Photographs

Sheet 12 of 16



Photograph 25

The crew excavating radials at XEB-AR5-001, facing south.



Photograph 26

A representative photo of visible roadside disturbance at XEB-AR5-001.

South Ripley Solar Project

Town of Ripley, Chautauqua County, New York

Appendix B: Photographs

Sheet 13 of 16



Photograph 27

A soil profile from XEB-AR5.41R1S of the northeast wall.



Photograph 28

Artifacts collected from XEB-AR5-001

South Ripley Solar Project

Town of Ripley, Chautauqua County, New York

Appendix B: Photographs

Sheet 14 of 16



Photograph 29

An overview of XDB1.W01 pedestrian survey isolated find, facing southwest.



Photograph 30

An overview of XDB1.W01 pedestrian survey isolated find, facing west from the edge of the field.

South Ripley Solar Project

Town of Ripley, Chautauqua County, New York

Appendix B: Photographs

Sheet 15 of 16



Photograph 31

XDB1.W01 Nineteenth
Century Isolated Find

South Ripley Solar Project

Town of Ripley, Chautauqua County, New York

Appendix B: Photographs

Sheet 16 of 16

Appendix C

Shovel Test Records

| Shovel Test Name | Stratum | Minimum Stratum Depth | Maximum Stratum Depth | Soil Color | Soil Texture | Contents | Comments |
|------------------|---------|-----------------------|-----------------------|---------------------------------|-----------------|----------|-----------------------------------|
| XAA4.03 | I | 0 | 23 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Woods |
| XAA4.03 | II | 23 | 33 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation |
| XGA1.14 | I | 0 | 31 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XGA1.14 | II | 31 | 41 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XPB2.03 | I | 0 | 24 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XPB2.03 | II | 24 | 34 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XRC16.02 | I | 0 | 18 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Two track sub on surface |
| AXL26.03 | I | 0 | 25 | 10YR 6/4, Light Yellowish Brown | Silt Loam | NCM | Located in two track logging road |
| AXL26.03 | II | 25 | 35 | 10YR 5/6, Yellow Brown | Silt Loam | NCM | None |
| AXL26.05 | I | 0 | 26 | 10YR 4/3, Brown | Silt Loam | NCM | Photo taken |
| AXL26.05 | II | 26 | 40 | 10YR 5/6, Yellow Brown | Silt Loam | NCM | Photo taken |
| XCLYA6.11 | I | 0 | 25 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XCLYA6.11 | II | 25 | 34 | 10YR 6/3, Pale Brown | Silty Clay Loam | NCM | None |
| XGA4.08 | I | 0 | 21 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XGA4.08 | II | 21 | 31 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |

South Ripley Solar, Town of South Ripley, Chautauqua County, New York
EDR Project #19020

REDACTED - Matter No. 21-00750
Appendix C: Shovel Test Results
Supplemental Phase IB Archaeological Survey

| | | | | | | | |
|---------|----|----|----|---------------------------------|-----------------|-----|---|
| XAA1.01 | I | 0 | 20 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Woods |
| XAA1.01 | II | 20 | 23 | 10YR 5/3, Brown | Silty Clay Loam | NCM | Thick roots blocking shovel test |
| XAA1.02 | I | 0 | 29 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | Loose to friable |
| XAA1.02 | II | 29 | 39 | 7.5YR 4/6, Strong Brown | Silty Clay Loam | NCM | None |
| XAA1.03 | I | 0 | 23 | 10YR 3/3, Dark Brown | Silt Loam | NCM | Rock impasse |
| XAA1.04 | I | 0 | 40 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XAA1.04 | II | 40 | 50 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XAA1.05 | I | 0 | 26 | 10YR 4/3, Brown | Silt Loam | NCM | Field, edge of woods |
| XAA1.05 | II | 26 | 40 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XAA1.06 | I | 0 | 20 | 10YR 4/3, Brown | Silt Loam | NCM | Woods dense roots |
| XAA1.06 | II | 20 | 30 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation |
| XAA1.07 | I | 0 | 21 | 10YR 4/3, Brown | Silt Loam | NCM | Oxidized |
| XAA1.07 | II | 21 | 31 | 10YR 6/2, Light Brownish Gray | Silty Clay Loam | NCM | Sub angular gravel oxidized sterile sub |
| XAA1.08 | I | 0 | 29 | 10YR 6/3, Pale Brown | Silty Clay Loam | NCM | None |
| XAA1.08 | II | 29 | 39 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XAA1.09 | I | 0 | 29 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |

South Ripley Solar, Town of South Ripley, Chautauqua County, New York
EDR Project #19020

Appendix C: Shovel Test Results
Supplemental Phase IB Archaeological Survey

| | | | | | | | |
|----------|-----|----|----|---------------------------------|-----------------|-----|-------------------------------------|
| XAA1.09 | II | 29 | 39 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XAA1.10 | I | 0 | 30 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XAA1.10 | II | 30 | 40 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XAA1.11 | I | 0 | 18 | 10YR 4/3, Brown | Silt Loam | NCM | In woods, large roots |
| XAA1.11 | II | 18 | 30 | 10YR 6/3, Pale Brown | Silty Clay Loam | NCM | Mottled with 10YR 5/6, Yellow Brown |
| XAA1.12 | I | 0 | 29 | 10YR 3/3, Dark Brown | Silty Clay Loam | NCM | Woods |
| XAA1.12 | II | 29 | 39 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |
| XAA1.13 | I | 0 | 30 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XAA1.13 | II | 30 | 40 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XAA1.14 | I | 0 | 28 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XAA1.14 | II | 28 | 38 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XAA10.01 | I | 0 | 25 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XAA10.01 | II | 25 | 35 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XAA10.02 | I | 0 | 7 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XAA10.02 | II | 7 | 27 | 10YR 5/3, Brown | Silty Clay Loam | NCM | Mg redox oxidized |
| XAA10.02 | III | 27 | 37 | 10YR 6/2, Light Brownish Gray | Silty Clay Loam | NCM | Oxidized sterile sub |

South Ripley Solar, Town of South Ripley, Chautauqua County, New York
EDR Project #19020

REDACTED - Matter No. 21-00750
Appendix C: Shovel Test Results
Supplemental Phase IB Archaeological Survey

| | | | | | | | |
|----------|----|----|----|-----------------------------------|-----------------|-----|---|
| XAA10.03 | I | 0 | 15 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | In woods, coarse roots. Soil is mixed turbated with subsoil, tree clearing. |
| XAA10.03 | II | 15 | 30 | 10YR 6/6, Brownish Yellow | Silty Clay Loam | NCM | None |
| XAA10.04 | I | 0 | 40 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | Burm between furrows/ruts |
| XAA10.04 | II | 40 | 50 | 10YR 5/6, Yellow Brown | Silt Loam | NCM | None |
| XAA10.05 | I | 0 | 39 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |
| XAA10.05 | II | 39 | 49 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |
| XAA11.01 | I | 0 | 26 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XAA11.01 | II | 26 | 36 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |
| XAA11.02 | I | 0 | 28 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XAA11.02 | II | 28 | 38 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Saturated oxidized sterile sub |
| XAA11.03 | I | 0 | 35 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XAA11.03 | II | 35 | 45 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XAA11.04 | I | 0 | 34 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XAA11.04 | II | 34 | 44 | 10YR 5/6, Yellow Brown | Silt Loam | NCM | None |
| XAA11.05 | I | 0 | 22 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |

South Ripley Solar, Town of South Ripley, Chautauqua County, New York
EDR Project #19020

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Appendix C: Shovel Test Results
Supplemental Phase IB Archaeological Survey

| | | | | | | | |
|----------|----|----|----|---------------------------------|-----------------|-----|---|
| XAA11.05 | II | 22 | 25 | 10YR 5/3, Brown | Silty Clay | NCM | Dense with roots, root impasse |
| XAA2.01 | I | 0 | 26 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Woods |
| XAA2.01 | II | 26 | 36 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation |
| XAA2.02 | I | 0 | 27 | 10YR 6/3, Pale Brown | Silt Loam | NCM | None |
| XAA2.02 | II | 27 | 37 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XAA2.03 | I | 0 | 18 | 10YR 3/3, Dark Brown | Silt Loam | NCM | Few gravel, pebble. Dense coarse and large root matrix. |
| XAA2.03 | II | 18 | 28 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Few gravel, coarse roots |
| XAA3..07 | I | 0 | 23 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XAA3..07 | II | 23 | 33 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XAA3.01 | I | 0 | 28 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XAA3.01 | II | 28 | 38 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XAA3.02 | I | 0 | 6 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XAA3.03 | I | 0 | 23 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XAA3.03 | II | 23 | 33 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XAA3.04 | I | 0 | 23 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Woods |
| XAA3.04 | II | 23 | 33 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation |

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| | | | | | | | |
|---------|----|----|----|-----------------------------------|-----------------|-----|--|
| XAA3.05 | I | 0 | 28 | 10YR 6/3, Pale Brown | Silty Clay Loam | NCM | None |
| XAA3.05 | II | 28 | 38 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XAA3.06 | I | 0 | 25 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XAA3.06 | II | 25 | 35 | 10YR 5/2, Grayish Brown | Silty Clay Loam | NCM | None |
| XAA4.01 | I | 0 | 24 | 10YR 3/3, Dark Brown | Silt Loam | NCM | Oxidized |
| XAA4.01 | II | 24 | 34 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Oxidized sterile sub |
| XAA4.02 | I | 0 | 20 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | In woods, coarse root matrix. |
| XAA4.02 | II | 20 | 30 | 10YR 5/8, Yellowish Brown | Silty Clay Loam | NCM | Mixed with 10YR 6/2, Light Brownish Gray |
| XAA4.04 | I | 0 | 10 | 10YR 6/3, Pale Brown | Silty Clay Loam | NCM | None |
| XAA4.04 | II | 10 | 20 | 10YR 6/2, Light Brownish Gray | Silty Clay Loam | NCM | Adjacent to drainage |
| XAA4.05 | I | 0 | 24 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XAA4.05 | II | 24 | 34 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XAA4.07 | I | 0 | 25 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Woods |
| XAA4.07 | II | 25 | 35 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |
| XAA5.01 | I | 0 | 13 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | Saturated |

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|---------|----|----|----|-----------------------------------|-----------------|-----|--------------------------------|
| XAA5.01 | II | 13 | 23 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Saturated oxidized sterile sub |
| XAA5.02 | I | 0 | 9 | 10YR 3/2, Very Dark Grayish Brown | Silty Clay Loam | NCM | Truncated |
| XAA5.02 | II | 9 | 19 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XAA5.03 | I | 0 | 14 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | In woods, many coarse roots |
| XAA5.03 | II | 14 | 30 | 10YR 6/3, Pale Brown | Silty Clay Loam | NCM | None |
| XAA5.04 | I | 0 | 13 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XAA5.04 | II | 13 | 23 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XAA5.05 | I | 0 | 25 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XAA5.05 | II | 25 | 35 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XAA5.06 | I | 0 | 26 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |
| XAA5.06 | II | 26 | 36 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |
| XAA6.01 | I | 0 | 23 | 10YR 3/3, Dark Brown | Silty Clay Loam | NCM | None |
| XAA6.01 | II | 23 | 34 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XAA6.02 | I | 0 | 23 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XAA6.02 | II | 23 | 33 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |

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|---------|----|----|----|---------------------------------|-----------------|-----|-------------------------------------|
| XAA6.03 | I | 0 | 11 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XAA6.03 | II | 11 | 21 | 10YR 5/4, Yellowish Brown | Silty Clay | NCM | Oxidized sterile sub |
| XAA6.04 | I | 0 | 25 | 10YR 3/3, Dark Brown | Silty Clay Loam | NCM | In fallen trees and swamp area |
| XAA6.04 | II | 25 | 35 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |
| XAA6.05 | I | 0 | 7 | 10YR 2/2, Very Dark Brown | Silt Loam | NCM | In woods, dense coarse root matrix |
| XAA6.05 | II | 7 | 23 | 10YR 6/3, Pale Brown | Silty Clay Loam | NCM | Mottled with 10YR 5/6, Yellow Brown |
| XAA7.01 | I | 0 | 27 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XAA7.01 | II | 27 | 37 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XAA7.02 | I | 0 | 15 | 10YR 3/3, Dark Brown | Silty Clay Loam | NCM | Seasonal swamp |
| XAA7.02 | II | 15 | 25 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XAA7.03 | I | 0 | 11 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XAA7.03 | II | 11 | 21 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XAA7.04 | I | 0 | 27 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XAA7.04 | II | 27 | 37 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |
| XAA8.01 | I | 0 | 18 | 10YR 3/3, Dark Brown | Silt Loam | NCM | Oxidized |

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| | | | | | | | |
|---------|-----|----|----|---------------------------------|-----------------|-----|---|
| XAA8.01 | II | 18 | 28 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Oxidized sterile sub |
| XAA8.02 | I | 0 | 30 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XAA8.02 | II | 30 | 40 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XAA8.03 | I | 0 | 18 | 10YR 6/3, Pale Brown | Silty Clay Loam | NCM | Seasonal swamp, developing AO horizon. |
| XAA8.03 | II | 18 | 28 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XAA8.04 | I | 0 | 12 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | In woods, coarse roots, soil turbated by tree clearing? Mixed and mottled with subsoil. |
| XAA8.04 | II | 12 | 30 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XAA9.01 | I | 0 | 30 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XAA9.01 | II | 30 | 40 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XAA9.02 | I | 0 | 10 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XAA9.02 | II | 10 | 34 | 10YR 4/3, Brown | Silty Clay Loam | NCM | None |
| XAA9.02 | III | 34 | 44 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |
| XAA9.03 | I | 0 | 27 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XAA9.03 | II | 27 | 37 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |

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|-----------|----|----|----|--------------------------------|-----------------|-----|---|
| XAL19.01 | I | 0 | 30 | 7.5YR 5/4, Brown | Silt Loam | NCM | Roots, subsoil at surface. Stratm I is a B Horizon. |
| XB-AR7.01 | I | 0 | 28 | 10YR 4/3, Brown | Silt Loam | NCM | Grasd field |
| XB-AR7.01 | II | 28 | 38 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation and Mg redox |
| XB-AR7.02 | I | 0 | 38 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | Sub rounded cobbles sub angular gravel |
| XB-AR7.02 | II | 38 | 48 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Oxidized sterile sub |
| XB-AR7.03 | I | 0 | 38 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XB-AR7.03 | II | 38 | 48 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XB-AR7.04 | I | 0 | 30 | 10YR 4/3, Brown | Silt Loam | NCM | Pasture, sod top |
| XB-AR7.04 | II | 30 | 40 | 10YR 5/8, Yellowish Brown | Silty Clay Loam | NCM | None |
| XB-AR7.05 | I | 0 | 32 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XB-AR7.05 | II | 32 | 42 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XB-AR7.06 | I | 0 | 37 | 10YR 6/3, Pale Brown | Silt Loam | NCM | Compact |
| XB-AR7.06 | II | 37 | 47 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XB-AR7.07 | I | 0 | 24 | 10YR 4/3, Brown | Silt Loam | NCM | Grass field |
| XB-AR7.07 | II | 24 | 34 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation |
| XB-AR7.08 | I | 0 | 35 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |

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|-----------|-----|----|----|---------------------------------|-----------------|-----|--------------------------------|
| XB-AR7.08 | II | 35 | 45 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XB-AR7.09 | I | 0 | 33 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XB-AR7.09 | II | 33 | 43 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XB-AR7.10 | I | 0 | 47 | 10YR 4/3, Brown | Silt Loam | NCM | Sub angular gravel |
| XB-AR7.10 | II | 47 | 57 | 10YR 5/3, Brown | Silty Clay Loam | NCM | Oxidized sterile sub |
| XB-AR7.11 | I | 0 | 36 | 10YR 4/3, Brown | Silt Loam | NCM | Pasture, sod cap |
| XB-AR7.11 | II | 36 | 46 | 10YR 5/8, Yellowish Brown | Silty Clay Loam | NCM | Mixed with 10 YR 6/2 |
| XB-AR7.12 | I | 0 | 40 | 10YR 4/3, Brown | Silt Loam | NCM | Compact |
| XB-AR7.12 | II | 40 | 50 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XB-AR7.13 | I | 0 | 40 | 10YR 4/3, Brown | Silt Loam | NCM | Grass field |
| XB-AR7.13 | II | 40 | 45 | 10YR 3/3, Dark Brown | Silty Clay Loam | NCM | None |
| XB-AR7.13 | III | 45 | 55 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation |
| XB-AR7.14 | I | 0 | 48 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XB-AR7.14 | II | 48 | 58 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XB-AR7.15 | I | 0 | 40 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XB-AR7.15 | II | 40 | 50 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XB-AR7.16 | I | 0 | 34 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |

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|-----------|-----|----|----|---------------------------------|-----------------|-----|--------------------------------|
| XB-AR7.16 | II | 34 | 44 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XBA5.02 | I | 0 | 38 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XBA5.02 | II | 38 | 48 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XBB3.02 | I | 0 | 24 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |
| XBB3.02 | II | 24 | 34 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation |
| XCW.01 | I | 0 | 10 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XCW.01 | II | 10 | 23 | 10YR 4/3, Brown | Silty Clay Loam | NCM | None |
| XCW.01 | III | 23 | 33 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil |
| XCW.02 | I | 0 | 25 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XCW.02 | II | 25 | 35 | 10YR 6/2, Light Brownish Gray | Silty Clay | NCM | Oxidized sterile sub |
| XCW.03 | I | 0 | 12 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XCW.03 | II | 12 | 48 | 10YR 4/4, Dark Yellowish Brown | Silty Clay Loam | NCM | None |
| XCW.03 | III | 48 | 58 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil |
| XCW.04 | I | 0 | 29 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XCW.04 | II | 29 | 39 | 10YR 5/4, Yellowish Brown | Silty Clay | NCM | Sterile sub |

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|---------|----|----|----|---------------------------------|-----------------|-----|--------------------------------------|
| XCW.05 | I | 0 | 7 | 10YR 2/3 | Silt Loam | NCM | None |
| XCW.05 | II | 7 | 17 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Oxidized sterile sub |
| XDB1.01 | I | 0 | 37 | 10YR 4/3, Brown | Silt Loam | NCM | Photo |
| XDB1.01 | II | 37 | 47 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Mtld w 10YR 6/2, Light Brownish Gray |
| XDB1.02 | I | 0 | 25 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XDB1.02 | II | 25 | 35 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XDB1.03 | I | 0 | 16 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XDB1.03 | II | 16 | 26 | 10YR 5/2, Grayish Brown | Silty Clay | NCM | Oxidized sterile sub |
| XDB1.04 | I | 0 | 26 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XDB1.04 | II | 26 | 36 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XDB1.05 | I | 0 | 29 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |
| XDB1.05 | II | 29 | 39 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |
| XDB1.06 | I | 0 | 30 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XDB1.06 | II | 30 | 40 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Mtld w 10YR 6/2, Light Brownish Gray |
| XDB1.07 | I | 0 | 36 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XDB1.07 | II | 36 | 46 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |

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|---------|----|----|----|-----------------------------------|-----------------|-----|---|
| XDB1.08 | I | 0 | 14 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XDB1.08 | II | 14 | 24 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sub angular gravel oxidized sterile sub |
| XDB1.09 | I | 0 | 14 | 10YR 3/2, Very Dark Grayish Brown | Loam | NCM | Dense coarse root matrix. |
| XDB1.09 | II | 14 | 30 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | Coarse and one very large root. |
| XDB1.10 | I | 0 | 32 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XDB1.10 | II | 32 | 42 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XDB2.01 | I | 0 | 39 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Plowzone |
| XDB2.01 | II | 39 | 49 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |
| XDB2.02 | I | 0 | 27 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XDB2.02 | II | 27 | 40 | 10YR 6/3, Pale Brown | Clay Loam | NCM | None |
| XDB2.03 | I | 0 | 25 | 10YR 4/3, Brown | Silty Clay Loam | NCM | Plowzone |
| XDB2.03 | II | 25 | 35 | 10YR 6/3, Pale Brown | Silty Clay Loam | NCM | Sub angular gravel oxidized sterile sub |
| XDB2.04 | I | 0 | 23 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |
| XDB2.04 | II | 23 | 33 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |
| XDB2.05 | I | 0 | 27 | 10YR 4/3, Brown | Silt Loam | NCM | Plowzone |

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|---------|----|----|----|---------------------------------|-----------------|-----|----------------------|
| XDB2.05 | II | 27 | 37 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Oxidized sterile sub |
| XDB2.06 | I | 0 | 27 | 10YR 4/3, Brown | Silty Clay | NCM | None |
| XDB2.06 | II | 27 | 37 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XDB3.01 | I | 0 | 32 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XDB3.01 | II | 32 | 42 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XDB3.02 | I | 0 | 30 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XDB3.02 | II | 30 | 40 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XDB3.03 | I | 0 | 30 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XDB3.03 | II | 30 | 40 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XDB3.04 | I | 0 | 33 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XDB3.04 | II | 33 | 43 | 10YR 6/2, Light Brownish Gray | Silty Clay Loam | NCM | Heavy oxi |
| XDB3.05 | I | 0 | 30 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XDB3.05 | II | 30 | 40 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XDB3.06 | I | 0 | 28 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XDB3.06 | II | 28 | 38 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XDC1.01 | I | 0 | 25 | 10YR 6/3, Pale Brown | Silt Loam | NCM | None |

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|---------|----|----|----|---------------------------------|-----------------|-----|--------------------------------|
| XDC1.01 | II | 25 | 38 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XDC1.02 | I | 0 | 15 | 10YR 6/3, Pale Brown | Silt Loam | NCM | None |
| XDC1.02 | II | 15 | 25 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XDC1.03 | I | 0 | 26 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XDC1.03 | II | 26 | 36 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XDC1.04 | I | 0 | 29 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XDC1.04 | II | 29 | 39 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XDC1.05 | I | 0 | 33 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |
| XDC1.05 | II | 33 | 43 | 10YR 6/2, Light Brownish Gray | Silty Clay | NCM | Oxidized sterile sub |
| XDC1.06 | I | 0 | 23 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |
| XDC1.06 | II | 23 | 33 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |
| XDC2.01 | I | 0 | 45 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XDC2.01 | II | 45 | 55 | 10YR 5/2, Grayish Brown | Silty Clay Loam | NCM | None |
| XDC2.02 | I | 0 | 28 | 10YR 5/3, Brown | Silt Loam | NCM | None |
| XDC2.02 | II | 28 | 38 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sub angular gravel sterile sub |

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|---------|----|----|----|-----------------------------------|-----------------|-----|-------------------------------------|
| XDC2.03 | I | 0 | 32 | 10YR 3/2, Very Dark Grayish Brown | Silty Clay Loam | NCM | None |
| XDC2.03 | II | 32 | 42 | 10YR 6/2, Light Brownish Gray | Silty Clay Loam | NCM | Gley wetland soils |
| XDC2.04 | I | 0 | 29 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |
| XDC2.04 | II | 29 | 39 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |
| XDC2.05 | I | 0 | 35 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XDC2.05 | II | 35 | 45 | 10YR 5/2, Grayish Brown | Silty Clay Loam | NCM | None |
| XDC2.06 | I | 0 | 20 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | Edge of plowed field by road ditch. |
| XDC2.06 | II | 20 | 30 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XEA1.01 | I | 0 | 24 | 10YR 3/3, Dark Brown | Silty Clay Loam | NCM | Oxidized |
| XEA1.01 | II | 24 | 34 | 10YR 5/3, Brown | Silty Clay | NCM | Oxidized sterile sub |
| XEA1.02 | I | 0 | 26 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEA1.02 | II | 26 | 36 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XEA1.03 | I | 0 | 43 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEA1.03 | II | 43 | 53 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEA1.04 | I | 0 | 27 | 10YR 3/2, Very Dark Grayish Brown | Silty Clay Loam | NCM | None |

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| | | | | | | | |
|---------|----|----|----|-----------------------------------|-----------------|-----|--------------------|
| XEA1.04 | II | 27 | 36 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XEA1.05 | I | 0 | 34 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEA1.05 | II | 34 | 44 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XEA1.06 | I | 0 | 25 | 10YR 3/3, Dark Brown | Silty Clay Loam | NCM | None |
| XEA1.06 | II | 25 | 35 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XEA1.07 | I | 0 | 32 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XEA1.07 | II | 32 | 42 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEA1.08 | I | 0 | 19 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEA1.08 | II | 19 | 29 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XEA1.09 | I | 0 | 37 | 10YR 3/3, Dark Brown | Silty Clay Loam | NCM | Disturbed over sub |
| XEA1.09 | II | 37 | 47 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XEA1.10 | I | 0 | 29 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XEA1.10 | II | 29 | 39 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEA1.11 | I | 0 | 27 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEA1.11 | II | 27 | 37 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |

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| | | | | | | | |
|---------|----|----|----|-----------------------------------|-----------------|-----|--------------------------------------|
| XEA2.01 | I | 0 | 29 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEA2.01 | II | 29 | 39 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XEA2.02 | I | 0 | 51 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XEA2.02 | II | 51 | 61 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEA2.03 | I | 0 | 38 | 10YR 3/3, Dark Brown | Silt Loam | NCM | Mtld. W 10YR 5/6, Yellow Brown siclo |
| XEA2.03 | II | 38 | 48 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XEA2.04 | I | 0 | 27 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEA2.04 | II | 27 | 37 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XEA2.05 | I | 0 | 34 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XEA2.06 | I | 0 | 14 | 10YR 3/3, Dark Brown | Silty Clay Loam | NCM | Disturbed over sub |
| XEA2.06 | II | 14 | 24 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XEA2.07 | I | 0 | 22 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEA2.07 | II | 22 | 32 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XEA2.08 | I | 0 | 15 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEA2.08 | II | 15 | 25 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |

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| | | | | | | | |
|---------|----|----|----|--------------------------------|-----------------|-----|-----------|
| XEA2.09 | I | 0 | 15 | 10YR 3/3, Dark Brown | Silty Clay Loam | NCM | Truncated |
| XEA2.09 | II | 15 | 25 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XEA3.01 | I | 0 | 21 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XEA3.01 | II | 21 | 31 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEA3.02 | I | 0 | 34 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEA3.02 | II | 34 | 44 | 10YR 6/3, Pale Brown | Silty Clay Loam | NCM | None |
| XEA3.03 | I | 0 | 14 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XEA3.03 | II | 14 | 24 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEA3.04 | I | 0 | 12 | 10YR 4/3, Brown | Silt Loam | NCM | Truncated |
| XEA3.04 | II | 12 | 22 | 10YR 6/2, Light Brownish Gray | Silty Clay Loam | NCM | None |
| XEA3.05 | I | 0 | 31 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XEA3.05 | II | 31 | 42 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XEA3.06 | I | 0 | 30 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XEA3.06 | II | 30 | 41 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XEA3.07 | I | 0 | 30 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XEA3.07 | II | 30 | 40 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEA3.08 | I | 0 | 29 | 10YR 4/3, Brown | Silt Loam | NCM | None |

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| | | | | | | | |
|---------|----|----|----|-----------------------------------|-----------------|-----|--------------------------------|
| XEA3.08 | II | 29 | 39 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEA3.09 | I | 0 | 30 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XEA3.09 | II | 30 | 40 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XEA3.10 | I | 0 | 30 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XEA3.10 | II | 30 | 40 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XEA3.11 | I | 0 | 37 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XEA3.11 | II | 37 | 47 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEA3.12 | I | 0 | 27 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEA3.12 | II | 27 | 37 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEA4.01 | I | 0 | 50 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEA4.01 | II | 50 | 60 | 10YR 6/3, Pale Brown | Silty Clay Loam | NCM | None |
| XEA4.02 | I | 0 | 29 | 10YR 3/2, Very Dark Grayish Brown | Silty Clay | NCM | Oxidized saturated |
| XEA4.02 | II | 29 | 39 | 10YR 5/2, Grayish Brown | Silty Clay | NCM | Saturated oxidized sterile sub |
| XEA4.03 | I | 0 | 41 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEA4.03 | II | 41 | 51 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XEA4.04 | I | 0 | 25 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Oxidized |

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| | | | | | | | |
|-------------|-----|----|----|---------------------------------|-----------------|-----|---|
| XEA4.04 | II | 25 | 35 | 10YR 5/2, Grayish Brown | Silty Clay | NCM | Sub angular gravel oxidized sterile sub |
| XEA4.05 | I | 0 | 28 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XEA4.05 | II | 28 | 38 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |
| XEA4.06 | I | 0 | 29 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEA4.06 | II | 29 | 39 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XEA4.07 | I | 0 | 50 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEA4.07 | II | 50 | 60 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XEA4.08 | I | 0 | 15 | 10YR 4/3, Brown | Silty Clay Loam | NCM | Oxidized mg redox |
| XEA4.08 | II | 15 | 23 | 10YR 3/3, Dark Brown | Silty Clay Loam | NCM | Oxidized saturated |
| XEA4.08 | III | 23 | 33 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Mg redox oxidized sterile sub |
| XEA4.09 | I | 0 | 32 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEA4.09 | II | 32 | 42 | 10YR 6/3, Pale Brown | Silty Clay Loam | NCM | None |
| XEA4.10 | I | 0 | 33 | 10YR 4/3, Brown | Silty Clay Loam | NCM | Oxidized saturated |
| XEA4.10 | II | 33 | 43 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Saturated oxidized sterile sub |
| XEB-AR11.01 | I | 0 | 35 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |

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| | | | | | | | |
|-------------|-----|----|----|--------------------------------|-----------------|-----|---|
| XEB-AR11.01 | II | 35 | 50 | 10YR 5/2, Grayish Brown | Silty Clay Loam | NCM | None |
| XEB-AR11.02 | I | 0 | 32 | 10YR 4/3, Brown | Silty Clay | NCM | Sub rounded gravel |
| XEB-AR11.02 | II | 32 | 42 | 10YR 5/2, Grayish Brown | Silty Clay | NCM | Sub rounded oxidized sterile sub |
| XEB-AR11.03 | I | 0 | 22 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XEB-AR11.03 | II | 22 | 39 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | Mg redox |
| XEB-AR11.03 | III | 39 | 49 | 10YR 3/3, Dark Brown | Sandy Loam | NCM | Sub angular gravel very rocky sterile sub |
| XEB-AR11.04 | I | 0 | 38 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XEB-AR11.04 | II | 38 | 48 | 10YR 5/3, Brown | Silty Clay | NCM | Mg redox sterile sub |
| XEB-AR11.05 | I | 0 | 35 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XEB-AR11.05 | II | 35 | 71 | 10YR 5/3, Brown | Silt Loam | NCM | None |
| XEB-AR11.05 | III | 71 | 75 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | Large rocks lodged in strat 2 walls prevebted a full 10cm of sub excavation |
| XEB-AR11.07 | I | 0 | 30 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XEB-AR11.07 | II | 30 | 72 | 10YR 5/2, Grayish Brown | Silt Loam | NCM | None |
| XEB-AR11.07 | III | 72 | 82 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEB-AR11.08 | I | 0 | 52 | 10YR 4/2, Dark Grayish Brown | Silty Clay Loam | NCM | Sub rounded gravel |
| XEB-AR11.08 | II | 52 | 62 | 10YR 3/3, Dark Brown | Sandy Loam | NCM | Rounded gravel sterile sub |
| XEB-AR11.09 | I | 0 | 32 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |

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|-------------|-----|----|----|---------------------------------|-----------------|-----|---|
| XEB-AR11.09 | II | 32 | 41 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEB-AR11.10 | I | 0 | 24 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | Sub angular gravel |
| XEB-AR11.10 | II | 24 | 34 | 10YR 6/4, Light Yellowish Brown | Sandy Loam | NCM | Sub angular gravel very rocky sterile sub |
| XEB-AR11.11 | I | 0 | 18 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XEB-AR11.11 | II | 18 | 27 | 10YR 5/3, Brown | Silt Loam | NCM | None |
| XEB-AR11.11 | III | 27 | 37 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEB-AR11.12 | I | 0 | 16 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | Sub angular gravel |
| XEB-AR11.12 | II | 16 | 26 | 10YR 7/4, Very Pale Brown | Silt Loam | NCM | Sub angular gravel very rocky sterile sub |
| XEB-AR11.13 | I | 0 | 27 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XEB-AR11.13 | II | 27 | 37 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEB-AR3.01 | I | 0 | 32 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEB-AR3.01 | II | 32 | 61 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XEB-AR3.01 | III | 61 | 71 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEB-AR3.02 | I | 0 | 14 | 10YR 5/3, Brown | Silt Loam | NCM | None |
| XEB-AR3.02 | II | 14 | 39 | 10YR 4/1, Dark Gray | Silty Clay | NCM | Sub angular gravel oxidized |
| XEB-AR3.02 | III | 39 | 49 | 10YR 6/2, Light Brownish Gray | Silty Clay | NCM | Sub angular gravel oxidized sterile sub |

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|------------|----|----|----|---------------------------------|-----------------|-----|---|
| XEB-AR3.03 | I | 0 | 38 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEB-AR3.03 | II | 38 | 48 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEB-AR3.04 | I | 0 | 48 | 10YR 4/2, Dark Grayish Brown | Silty Clay | NCM | Oxidized sub rounded cobbles sub angular gravel |
| XEB-AR3.04 | II | 48 | 58 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Oxidized sterile sub |
| XEB-AR3.05 | I | 0 | 45 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XEB-AR3.05 | II | 45 | 55 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEB-AR3.06 | I | 0 | 7 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XEB-AR3.06 | II | 7 | 17 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | Stp in center of preexisting access road; area has been stripped. |
| XEB-AR3.07 | I | 0 | 18 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XEB-AR3.07 | II | 18 | 28 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEB-AR3.08 | I | 0 | 16 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XEB-AR3.08 | II | 16 | 26 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEB-AR3.09 | I | 0 | 3 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | At edge of gravel access road. Rock impasse. |
| XEB-AR3.10 | I | 0 | 45 | 10YR 2/2, Very Dark Brown | Silt Loam | NCM | Mg redox oxidized |
| XEB-AR3.10 | II | 45 | 55 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Oxidized sterile sub |

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| | | | | | | | |
|------------|-----|----|----|-----------------------------------|-----------------|-----|---|
| XEB-AR3.11 | I | 0 | 38 | 10YR 4/2, Dark Grayish Brown | Silty Clay Loam | NCM | Mg redox oxidized |
| XEB-AR3.11 | II | 38 | 48 | 10YR 3/2, Very Dark Grayish Brown | Silty Clay | NCM | Oxidized sterile sub |
| XEB-AR3.12 | I | 0 | 7 | 10YR 5/1, Gray | Silt Loam | NCM | None |
| XEB-AR3.12 | II | 7 | 29 | 10YR 4/2, Dark Grayish Brown | Silty Clay Loam | NCM | Sub angular gravel oxidized |
| XEB-AR3.12 | III | 29 | 39 | 10YR 6/4, Light Yellowish Brown | Silt Loam | NCM | Oxidized sterile sub |
| XEB-AR3.13 | I | 0 | 24 | 10YR 4/2, Dark Grayish Brown | Silty Clay Loam | NCM | Oxidized sub angular gravel sterile sub |
| XEB-AR3.13 | II | 24 | 34 | 10YR 6/4, Light Yellowish Brown | Silt Loam | NCM | Oxidized sterile sub |
| XEB-AR3.14 | I | 0 | 4 | 10YR 5/3, Brown | Silt Loam | NCM | None |
| XEB-AR3.14 | II | 4 | 23 | 10YR 4/2, Dark Grayish Brown | Silty Clay Loam | NCM | None |
| XEB-AR3.14 | III | 23 | 33 | 10YR 6/4, Light Yellowish Brown | Silt Loam | NCM | Oxidized sterile sub |
| XEB-AR3.15 | I | 0 | 23 | 10YR 4/3, Brown | Silt Loam | NCM | Disturbed with plastic and metal trash present throughout strat |
| XEB-AR3.15 | II | 23 | 33 | 2.5Y 5/2, Grayish Brown | Silt Loam | NCM | Oxidized subsoil |
| XEB-AR3.16 | I | 0 | 24 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XEB-AR3.16 | II | 24 | 34 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEB-AR3.17 | I | 0 | 12 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XEB-AR3.17 | II | 12 | 22 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |

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|------------|----|----|----|--------------------------------|-----------------|-----|---|
| XEB-AR3.18 | I | 0 | 20 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEB-AR3.18 | II | 20 | 30 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEB-AR3.19 | I | 0 | 15 | 10YR 4/3, Brown | Silt Loam | NCM | Disturbed Ap with modern plastic trash and metal debris throughout. Area has been stripped. |
| XEB-AR3.19 | II | 15 | 30 | 2.5Y 5/6, Light Olive Brown | Silty Clay Loam | NCM | Oxidized sterile subsoil |
| XEB-AR3.20 | I | 0 | 11 | 10YR 4/2, Dark Grayish Brown | Silty Clay Loam | NCM | Thin hydric topsoil, possibly stripped |
| XEB-AR3.20 | II | 11 | 28 | 10YR 4/4, Dark Yellowish Brown | Silty Clay Loam | NCM | Oxidized subsoil |
| XEB-AR3.21 | I | 0 | 48 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEB-AR3.21 | II | 48 | 51 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEB-AR3.22 | I | 0 | 41 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XEB-AR3.22 | II | 41 | 51 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEB-AR3.23 | I | 0 | 25 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEB-AR3.23 | II | 25 | 35 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEB-AR3.24 | I | 0 | 30 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEB-AR3.24 | II | 30 | 40 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |

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|------------|----|----|----|-----------------------------|-----------------|-----|--|
| XEB-AR3.25 | I | 0 | 39 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEB-AR3.25 | II | 39 | 49 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEB-AR3.26 | I | 0 | 21 | 10YR 4/3, Brown | Silt Loam | NCM | Ap |
| XEB-AR3.26 | II | 21 | 32 | 2.5Y 5/6, Light Olive Brown | Silty Clay Loam | NCM | Oxidized subsoil |
| XEB-AR3.27 | I | 0 | 22 | 10YR 4/3, Brown | Silt Loam | NCM | Ap |
| XEB-AR3.27 | II | 22 | 35 | 2.5Y 5/6, Light Olive Brown | Silt Loam | NCM | Oxidized subsoil |
| XEB-AR3.28 | I | 0 | 16 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEB-AR3.28 | II | 16 | 26 | 10YR 5/4, Yellowish Brown | Silty Clay | NCM | Sub angular gravel oxidized sterile sub |
| XEB-AR5.01 | I | 0 | 40 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XEB-AR5.01 | II | 40 | 50 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEB-AR5.05 | I | 0 | 27 | 10YR 3/3, Dark Brown | Silt Loam | NCM | Sod cap, open field |
| XEB-AR5.05 | II | 27 | 37 | 10YR 5/6, Yellow Brown | Clay Loam | NCM | Mottled with 10YR6/2, rocks are large cobble size. |
| XEB-AR5.07 | I | 0 | 35 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEB-AR5.07 | II | 35 | 45 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XEB-AR5.11 | I | 0 | 40 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEB-AR5.11 | II | 40 | 50 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XEB-AR5.14 | I | 0 | 21 | 10YR 4/3, Brown | Silt Loam | NCM | None |

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|------------|----|----|----|-----------------------------------|-----------------|-----|--|
| XEB-AR5.14 | II | 21 | 31 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEB-AR5.16 | I | 0 | 28 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | Sod cap, pasture |
| XEB-AR5.16 | II | 28 | 38 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XEB-AR5.17 | I | 0 | 34 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XEB-AR5.17 | II | 34 | 44 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEB-AR5.22 | I | 0 | 39 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEB-AR5.22 | II | 39 | 49 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XEB-AR5.23 | I | 0 | 26 | 10YR 3/2, Very Dark Grayish Brown | Loam | NCM | Sod cap, pasture, rock is gravel size |
| XEB-AR5.23 | II | 26 | 38 | 10YR 5/3, Brown | Silt Loam | NCM | Rock is large pebble size. |
| XEB-AR5.24 | I | 0 | 32 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XEB-AR5.24 | II | 32 | 42 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEB-AR5.29 | I | 0 | 27 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | Sod cap, cobble rocks |
| XEB-AR5.29 | II | 27 | 38 | 10YR 5/6, Yellow Brown | Clay Loam | NCM | Mottled with 10YR 6/2, Light Brownish Gray |
| XEB-AR5.30 | I | 0 | 30 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEB-AR5.30 | II | 30 | 40 | 7.5YR 5/4, Brown | Silty Clay Loam | NCM | None |
| XEB-AR5.34 | I | 0 | 31 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XEB-AR5.34 | II | 31 | 41 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |

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| | | | | | | | |
|---------------|----|----|----|--------------------------------|-----------------|-----|---|
| XEB-AR5.37 | I | 0 | 27 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XEB-AR5.37 | II | 27 | 37 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEB-AR5.38 | I | 0 | 32 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEB-AR5.38 | II | 32 | 42 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XEB-AR5.39 | I | 0 | 38 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XEB-AR5.39 | II | 38 | 48 | 10YR 4/4, Dark Yellowish Brown | Silty Clay Loam | NCM | None |
| XEB-AR5.41R1N | I | 0 | 31 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XEB-AR5.41R1N | II | 31 | 41 | 10YR 6/6, Brownish Yellow | Silty Clay Loam | NCM | None |
| XEB-AR5.41R1S | I | 0 | 41 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XEB-AR5.41R1S | II | 41 | 51 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XEB-AR5.41R1W | I | 0 | 34 | 10YR 4/3, Brown | Silt Loam | NCM | Ap on edge of cut slope with cut/fill disturbance |
| XEB-AR5.41R1W | II | 34 | 44 | 2.5Y 5/6, Light Olive Brown | Silt Loam | NCM | None |
| XEB-AR5.41R3E | I | 0 | 28 | 10YR 4/3, Brown | Silt Loam | NCM | Ap with modern trash throughout (STP approximately 10m from roadside) |
| XEB-AR5.41R3E | II | 28 | 38 | 2.5Y 5/4, Light Olive Brown | Silt Loam | NCM | None |
| XEB-AR5.41R3S | I | 0 | 32 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XEB-AR5.41R3S | II | 32 | 42 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |

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| | | | | | | | |
|---------------|----|----|----|--------------------------------|-----------------|-----|--------------|
| XEB-AR5.41R1E | I | 0 | 20 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Buried cable |
| XEB-AR5.41R3N | I | 0 | 24 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XEB-AR5.41R3N | II | 24 | 34 | 10YR 6/6, Brownish Yellow | Silty Clay Loam | NCM | None |
| XEB-AR5.41R3W | I | 0 | 30 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XEB-AR5.41R3W | II | 30 | 40 | 10YR 6/6, Brownish Yellow | Silty Clay Loam | NCM | None |
| XEB-AR5.44 | I | 0 | 35 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEB-AR5.44 | II | 35 | 45 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XEB-AR5.48 | I | 0 | 31 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XEB-AR5.48 | II | 31 | 42 | 10YR 4/4, Dark Yellowish Brown | Silty Clay Loam | NCM | None |
| XEB-AR5.50 | I | 0 | 38 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XEB-AR5.50 | II | 38 | 48 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XEB-AR5.53 | I | 0 | 30 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEB-AR5.53 | II | 30 | 40 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XEB-AR5.58 | I | 0 | 27 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XEB-AR5.58 | II | 27 | 51 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |

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| | | | | | | | |
|----------------------|-----|----|----|--------------------------------|-----------------|-----|--|
| XEB-AR5.58 | III | 51 | 61 | 10YR 4/4, Dark Yellowish Brown | Silty Clay Loam | NCM | None |
| XEB-AR5.63 | I | 0 | 29 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XEB-AR5.63 | II | 29 | 39 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XEB-AR5.64 | I | 0 | 12 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XEB-AR5.64 | II | 12 | 22 | 10YR 4/4, Dark Yellowish Brown | Silty Clay Loam | NCM | None |
| XEB-AR6.10R7.5N-7.5W | I | 0 | 23 | 10YR 3/3, Dark Brown | Silt Loam | NCM | Rock impasse; see photo log |
| XGA1.01 | I | 0 | 30 | 10YR 4/3, Brown | Silt Loam | NCM | AO present 10YR 3/3, Dark Brown @8cmbs |
| XGA1.01 | II | 30 | 40 | 7.5YR 4/6, Strong Brown | Silt Loam | NCM | None |
| XGA1.02 | I | 0 | 10 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XGA1.02 | II | 10 | 32 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | Dense roots stopped for root impasse |
| XGA1.03 | I | 0 | 27 | 10YR 5/3, Brown | Silt Loam | NCM | None |
| XGA1.03 | II | 27 | 37 | 10YR 6/6, Brownish Yellow | Silty Clay Loam | NCM | None |
| XGA1.04 | I | 0 | 9 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XGA1.04 | II | 9 | 35 | 10YR 5/3, Brown | Silt Loam | NCM | None |
| XGA1.04 | III | 35 | 45 | 10YR 5/4, Yellowish Brown | Silty Clay | NCM | Oxidized sterile sub |

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|---------|-----|----|----|-----------------------------------|-----------------|-----|---|
| XGA1.05 | I | 0 | 45 | 10YR 4/6, Dark Yellowish Brown | Silt Loam | NCM | None |
| XGA1.05 | II | 45 | 55 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XGA1.06 | I | 0 | 15 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XGA1.06 | II | 15 | 25 | 7.5YR 4/6, Strong Brown | Silty Clay Loam | NCM | Side of path |
| XGA1.07 | I | 0 | 13 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |
| XGA1.07 | II | 13 | 20 | 10YR 4/6, Dark Yellowish Brown | Silty Clay Loam | NCM | Very rocky subangular cobbles blocking shovel test |
| XGA1.08 | I | 0 | 78 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XGA1.08 | II | 78 | 88 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XGA1.09 | I | 0 | 15 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XGA1.09 | II | 15 | 44 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | Sub rounded cobbles sub angular gravel |
| XGA1.10 | I | 0 | 20 | 10YR 3/2, Very Dark Grayish Brown | Silty Clay Loam | NCM | None |
| XGA1.10 | II | 20 | 30 | 10YR 6/2, Light Brownish Gray | Silty Clay Loam | NCM | Near garage, probable gravel deposit, mtd w 10yr. 5/4 siclo |
| XGA1.11 | I | 0 | 7 | 10YR 3/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XGA1.11 | II | 7 | 19 | 10YR 4/3, Brown | Silty Clay Loam | NCM | None |
| XGA1.11 | III | 19 | 29 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil |

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|---------|-----|----|----|--------------------------------------|--------------------|-----|---|
| XGA1.12 | I | 0 | 14 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | Oxidized |
| XGA1.12 | II | 14 | 26 | 10YR 4/3, Brown | Silty Clay | NCM | Oxidized |
| XGA1.12 | III | 26 | 36 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sub angular gravel oxidized sterile sub |
| XGA1.13 | I | 0 | 35 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XGA1.13 | II | 35 | 45 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XGA1.15 | I | 0 | 32 | 10YR 5/3, Brown | Silt Loam | NCM | None |
| XGA1.15 | II | 32 | 42 | 10YR 6/2, Light Brownish Gray | Silty Clay Loam | NCM | Mtld w 10YR 6/6, Brownish Yellow sicllo |
| XGA1.16 | I | 0 | 10 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XGA1.16 | II | 10 | 34 | 10YR 4/3, Brown | Silty Clay Loam | NCM | None |
| XGA1.16 | III | 34 | 44 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil |
| XGA1.17 | I | 0 | 30 | 10YR 4/6, Dark Yellowish Brown | Silt Loam | NCM | None |
| XGA1.17 | II | 30 | 40 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XGA1.18 | I | 0 | 31 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XGA1.18 | II | 31 | 41 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XGA1.19 | I | 0 | 11 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XGA1.19 | II | 11 | 19 | 10YR 4/3, Brown | Silt Loam | NCM | None |

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|---------|-----|----|----|-----------------------------------|-----------------|-----|--|
| XGA1.19 | III | 19 | 29 | 10YR 6/3, Pale Brown | Silty Clay | NCM | Oxidized sterile sub |
| XGA1.20 | I | 0 | 5 | 10YR 4/3, Brown | Silt Loam | NCM | Next to access road |
| XGA1.20 | II | 5 | 15 | 10YR 4/2, Dark Grayish Brown | Silty Clay Loam | NCM | Subangular gravel and dense roots blocking shovel test |
| XGA1.21 | I | 0 | 26 | 10YR 5/3, Brown | Silt Loam | NCM | None |
| XGA1.21 | II | 26 | 36 | 10YR 6/2, Light Brownish Gray | Silty Clay Loam | NCM | None |
| XGA1.22 | I | 0 | 31 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XGA1.22 | II | 31 | 41 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XGA1.23 | I | 0 | 43 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XGA1.23 | II | 43 | 53 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XGA1.24 | I | 0 | 26 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XGA1.24 | II | 26 | 36 | 10YR 6/2, Light Brownish Gray | Silty Clay Loam | NCM | Mtld w 10YR 5/4, Yellowish Brown |
| XGA1.25 | I | 0 | 10 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XGA1.25 | II | 10 | 20 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |
| XGA1.26 | I | 0 | 31 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XGA1.26 | II | 31 | 41 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Oxidized sterile sub |
| XGA1.27 | I | 0 | 16 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XGA1.27 | II | 16 | 26 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |

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|---------|----|----|----|---------------------------------|-----------------|-----|---|
| XGA2.01 | I | 0 | 22 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XGA2.01 | II | 22 | 32 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XGA2.02 | I | 0 | 23 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XGA2.02 | II | 23 | 33 | 10YR 6/2, Light Brownish Gray | Silty Clay Loam | NCM | Mtld w 10YR 5/4, Yellowish Brown sicllo |
| XGA2.03 | I | 0 | 36 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XGA2.03 | II | 36 | 46 | 10YR 6/2, Light Brownish Gray | Silty Clay | NCM | Oxidized sterile sub |
| XGA2.04 | I | 0 | 36 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XGA2.04 | II | 36 | 46 | 10YR 5/6, Yellow Brown | Silt Loam | NCM | None |
| XGA2.05 | I | 0 | 30 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XGA2.05 | II | 30 | 40 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XGA2.06 | I | 0 | 31 | 10YR 4/3, Brown | Silty Clay Loam | NCM | None |
| XGA2.06 | II | 31 | 41 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |
| XGA3.01 | I | 0 | 28 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XGA3.01 | II | 28 | 38 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation |
| XGA3.02 | I | 0 | 39 | 10YR 5/2, Grayish Brown | Silty Clay | NCM | Sub angular gravel |

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|---------|----|----|----|---------------------------------|-----------------|-----|--|
| XGA3.02 | II | 39 | 49 | 10YR 6/2, Light Brownish Gray | Silty Clay | NCM | Oxidized sterile sub |
| XGA3.03 | I | 0 | 30 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Straight to subsoil, near graded road, mtld w 10YR 6/2, Light Brownish Gray sicllo |
| XGA3.04 | I | 0 | 24 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XGA3.04 | II | 24 | 34 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation |
| XGA3.05 | I | 0 | 26 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XGA3.05 | II | 26 | 36 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XGA4.02 | I | 0 | 25 | 10YR 4/2, Dark Grayish Brown | Silty Clay Loam | NCM | Oxidized |
| XGA4.02 | II | 25 | 35 | 10YR 5/2, Grayish Brown | Silty Clay | NCM | Mg redox oxidized sterile sub |
| XGA4.03 | I | 0 | 25 | 10YR 4/3, Brown | Silt Loam | NCM | Subangular gravel present |
| XGA4.03 | II | 25 | 35 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation |
| XGA4.04 | I | 0 | 18 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XGA4.04 | II | 18 | 28 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XGA4.05 | I | 0 | 28 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XGA4.05 | II | 28 | 38 | 10YR 6/6, Brownish Yellow | Silty Clay Loam | NCM | None |
| XGA4.06 | I | 0 | 27 | 10YR 4/3, Brown | Silty Clay Loam | NCM | None |

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|---------|-----|----|----|-----------------------------------|-----------------|-----|----------------------|
| XGA4.06 | II | 27 | 37 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil |
| XGA4.07 | I | 0 | 32 | 10YR 4/3, Brown | Silt Loam | NCM | Oxidized |
| XGA4.07 | II | 32 | 42 | 10YR 6/2, Light Brownish Gray | Silty Clay | NCM | Oxidized sterile sub |
| XGA5.01 | I | 0 | 26 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XGA5.01 | II | 26 | | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XGA5.03 | I | 0 | 24 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XGA5.03 | II | 24 | 34 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XGA5.04 | I | 0 | 21 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XGA5.04 | II | 21 | 31 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XGA5.05 | I | 0 | 22 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XGA5.05 | II | 22 | 32 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XGB1.01 | I | 0 | 18 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XGB1.01 | II | 18 | 32 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XGB1.01 | III | 32 | 42 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XGB1.02 | I | 0 | 24 | 10YR 6/3, Pale Brown | Silty Clay Loam | NCM | None |

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|---------|-----|----|----|-----------------------------------|-----------------|-----|--------------------------------|
| XGB1.02 | II | 24 | 34 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XGB1.03 | I | 0 | 25 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XGB1.03 | II | 25 | 35 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XGB1.04 | I | 0 | 10 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | Oxidized |
| XGB1.04 | II | 10 | 32 | 10YR 4/3, Brown | Silt Loam | NCM | Oxidized |
| XGB1.04 | III | 32 | 42 | 10YR 6/2, Light Brownish Gray | Silty Clay | NCM | Oxidized sterile sub |
| XGB1.05 | I | 0 | 17 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XGB1.05 | II | 17 | 32 | 10YR 4/2, Dark Grayish Brown | Silty Clay Loam | NCM | Mg redox |
| XGB1.05 | III | 32 | 42 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |
| XGB1.06 | I | 0 | 39 | 10YR 3/3, Dark Brown | Silt Loam | NCM | Some disturbance in E wall |
| XGB1.06 | II | 39 | 49 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XGB1.07 | I | 0 | 30 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XGB1.07 | II | 30 | 40 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XGB1.08 | I | 0 | 31 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XGB1.08 | II | 31 | 41 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |

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|---------|-----|----|----|--------------------------------------|--------------------|-----|---|
| XGB1.09 | I | 0 | 14 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | Oxidized |
| XGB1.09 | II | 14 | 29 | 10YR 4/3, Brown | Silt Loam | NCM | Oxidized |
| XGB1.09 | III | 29 | 39 | 10YR 6/2, Light Brownish Gray | Silty Clay | NCM | Oxidized sterile sub |
| XGB1.10 | I | 0 | 7 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |
| XGB1.10 | II | 7 | 27 | 10YR 4/4, Dark Yellowish Brown | Silty Clay Loam | NCM | None |
| XGB1.10 | III | 27 | 37 | 10YR 5/4, Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |
| XGB1.11 | I | 0 | 17 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XGB1.12 | I | 0 | 36 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XGB1.12 | II | 36 | 46 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XGB1.13 | I | 0 | 47 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XGB1.13 | II | 47 | 57 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XGB1.14 | I | 0 | 36 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Oxidized |
| XGB1.14 | II | 36 | 46 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Mg redox sub angular gravel oxidized sterile sub |
| XGB1.15 | I | 0 | 18 | 10YR 4/2, Dark Grayish Brown | Silty Clay Loam | NCM | None |
| XGB1.15 | II | 18 | 40 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XGB1.15 | III | 40 | 50 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |

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|---------|-----|----|----|-----------------------------------|-----------------|-----|----------------------|
| XGB2.01 | I | 0 | 14 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XGB2.01 | II | 14 | 24 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XGB2.02 | I | 0 | 24 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XGB2.02 | II | 24 | 34 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XGB2.03 | I | 0 | 30 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XGB2.03 | II | 30 | 40 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XGB2.04 | I | 0 | 13 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XGB2.04 | II | 13 | 27 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XGB2.04 | III | 27 | 37 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XGB2.05 | I | 0 | 27 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XGB2.05 | II | 27 | 37 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XGB3.01 | I | 0 | 9 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XGB3.01 | II | 9 | 31 | 10YR 4/3, Brown | Silt Loam | NCM | Oxidized |
| XGB3.01 | III | 31 | 41 | 10YR 6/2, Light Brownish Gray | Silty Clay | NCM | Oxidized sterile sub |
| XGB3.02 | I | 0 | 10 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XGB3.02 | II | 10 | 35 | 10YR 4/3, Brown | Silty Clay Loam | NCM | None |

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| | | | | | | | |
|---------|-----|----|----|-----------------------------------|-----------------|-----|--------------------------------|
| XGB3.02 | III | 35 | 45 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil |
| XGB3.03 | I | 0 | 28 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |
| XGB3.03 | II | 28 | 38 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XGB3.04 | I | 0 | 25 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XGB3.05 | I | 0 | 17 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XGB3.05 | II | 17 | 27 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XGB3.06 | I | 0 | 9 | 10YR 2/3 | Silt Loam | NCM | None |
| XGB3.06 | II | 9 | 22 | 10YR 5/2, Grayish Brown | Silty Clay Loam | NCM | None |
| XGB3.06 | III | 22 | 32 | 10YR 6/2, Light Brownish Gray | Sandy Clay | NCM | Oxidized sterile sub |
| XGB3.07 | I | 0 | 13 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XGB3.07 | II | 13 | 25 | 10YR 3/3, Dark Brown | Silty Clay Loam | NCM | None |
| XGB3.07 | III | 25 | 35 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |
| XGB3.08 | I | 0 | 30 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XGB3.08 | II | 30 | 40 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XGB3.09 | I | 0 | 20 | 10YR 4/3, Brown | Silty Clay Loam | NCM | Next to access road |
| XGB3.09 | II | 20 | 30 | 10YR 5/4, Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |

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|---------|-----|----|----|---------------------------------|-----------------|-----|----------------------|
| XGB3.10 | I | 0 | 24 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XGB3.10 | II | 24 | 34 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XGB3.11 | I | 0 | 22 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XGB3.11 | II | 22 | 32 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XGB3.12 | I | 0 | 9 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XGB3.12 | II | 9 | 24 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Oxidized |
| XGB3.12 | III | 24 | 34 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Oxidized sterile sub |
| XGB3.13 | I | 0 | 35 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XGB3.13 | II | 35 | 45 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XGB3.14 | I | 0 | 18 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XGB3.14 | II | 18 | 28 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Oxidized sterile sub |
| XGB3.15 | I | 0 | 25 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XGB3.15 | II | 25 | 35 | 10YR 5/2, Grayish Brown | Silty Clay Loam | NCM | None |
| XGB3.16 | I | 0 | 13 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XGB3.16 | II | 13 | 23 | 10YR 4/1, Dark Gray | Silty Clay | NCM | Oxidized |

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|---------|-----|----|----|---------------------------------|-----------------|-----|---|
| XGB3.16 | III | 23 | 33 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Oxidized sterile sub |
| XIC1.01 | I | 0 | 22 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |
| XIC1.01 | II | 22 | 32 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | Sub angular gravel sterile sub |
| XIC1.02 | I | 0 | 28 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XIC1.02 | II | 28 | 38 | 7.5YR 5/6, Strong Brown | Silty Clay Loam | NCM | None |
| XIC1.03 | I | 0 | 27 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XIC1.03 | II | 27 | 37 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Sub angular gravel very rocky sterile sub |
| XIC1.04 | I | 0 | 35 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XIC1.04 | II | 35 | 45 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XIC1.05 | I | 0 | 32 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XIC1.05 | II | 32 | 42 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XIC1.06 | I | 0 | 38 | 10YR 4/2, Dark Grayish Brown | Silty Clay | NCM | None |
| XIC1.06 | II | 38 | 48 | 10YR 5/4, Yellowish Brown | Silty Clay | NCM | Sterile sub |
| XIC2.01 | I | 0 | 52 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XIC2.01 | II | 52 | 62 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |

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|---------|-----|----|----|-----------------------------------|-----------------|-----|--------------------------------|
| XIC2.02 | I | 0 | 18 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XIC2.02 | II | 18 | 45 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XIC2.02 | III | 45 | 55 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XIC2.03 | I | 0 | 25 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XIC2.03 | II | 25 | 35 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Sub angular gravel sterile sub |
| XIC2.04 | I | 0 | 45 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XIC2.04 | II | 45 | 55 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XIC2.05 | I | 0 | 31 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XIC2.05 | II | 31 | 41 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Sub angular gravel sterile sub |
| XIC2.06 | I | 0 | 20 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XIC2.06 | II | 20 | 30 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XJA1.01 | I | 0 | 31 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XJA1.01 | II | 31 | 41 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XJA1.02 | I | 0 | 39 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XJA1.02 | II | 39 | 49 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XJA1.03 | I | 0 | 41 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |

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|---------|----|----|----|---------------------------------|-----------------|-----|---|
| XJA1.03 | II | 41 | 51 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XJA1.04 | I | 0 | 41 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XJA1.04 | II | 41 | 52 | 10YR 5/6, Yellow Brown | Silt | NCM | None |
| XJA1.05 | I | 0 | 32 | 10YR 4/3, Brown | Silt Loam | NCM | Minor Ao horizon 0-4cmbs |
| XJA1.05 | II | 32 | 42 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XKA1.01 | I | 0 | 25 | 10YR 4/3, Brown | Silty Clay Loam | NCM | None |
| XKA1.01 | II | 25 | 35 | 10YR 5/4, Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |
| XKA1.02 | I | 0 | 25 | 10YR 4/3, Brown | Silty Clay | NCM | Oxidized Mg redox sub angular gravel |
| XKA1.02 | II | 25 | 35 | 10YR 6/2, Light Brownish Gray | Silty Clay | NCM | Oxidized sterile sub |
| XKA1.03 | I | 0 | 25 | 10YR 4/2, Dark Grayish Brown | Silty Clay Loam | NCM | Mg Redox |
| XKA1.03 | II | 25 | 35 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil |
| XKA1.04 | I | 0 | 24 | 10YR 4/3, Brown | Silt Loam | NCM | Oxidized sub rounded cobbles |
| XKA1.04 | II | 24 | 34 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sub angular gravel oxidized sterile sub |
| XKA1.05 | I | 0 | 7 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XKA1.06 | I | 0 | 10 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XKA1.06 | II | 10 | 33 | 10YR 4/3, Brown | Silty Clay Loam | NCM | None |

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|---------|-----|----|----|---------------------------------|-----------------|-----|----------------------|
| XKA1.06 | III | 33 | 43 | 10YR 6/3, Pale Brown | Silty Clay | NCM | Sterile subsoil |
| XKA1.07 | I | 0 | 8 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XKA1.07 | II | 8 | 39 | 10YR 4/3, Brown | Silt Loam | NCM | Sub angular gravel |
| XKA1.07 | III | 39 | 49 | 10YR 6/2, Light Brownish Gray | Silty Clay Loam | NCM | None |
| XKA1.08 | I | 0 | 10 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XKA1.08 | II | 10 | 33 | 10YR 4/3, Brown | Silty Clay Loam | NCM | None |
| XKA1.08 | III | 33 | 43 | 10YR 6/3, Pale Brown | Silty Clay | NCM | Sterile subsoil |
| XKA1.09 | I | 0 | 6 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XKA1.09 | II | 6 | 51 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XKA1.09 | III | 51 | 61 | 10YR 5/2, Grayish Brown | Silty Clay | NCM | Sterile sub |
| XKA1.10 | I | 0 | 12 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XKA1.10 | II | 12 | 34 | 10YR 4/3, Brown | Silty Clay Loam | NCM | None |
| XKA1.10 | III | 34 | 44 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil |
| XKA1.11 | I | 0 | 9 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XKA1.11 | II | 9 | 39 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XKA1.11 | III | 39 | 49 | 10YR 6/2, Light Brownish Gray | Silty Clay | NCM | Oxidized sterile sub |

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| | | | | | | | |
|---------|-----|----|----|---------------------------------|-----------------|-----|----------------------|
| XKA1.12 | I | 0 | 7 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XKA1.12 | II | 7 | 30 | 10YR 4/3, Brown | Silty Clay Loam | NCM | None |
| XKA1.12 | III | 30 | 40 | 10YR 5/2, Grayish Brown | Silty Clay | NCM | Sterile subsoil |
| XKA1.14 | I | 0 | 10 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XKA1.14 | I | 0 | 7 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XKA1.14 | II | 10 | 44 | 10YR 5/2, Grayish Brown | Silty Clay Loam | NCM | None |
| XKA1.14 | II | 7 | 15 | 10YR 5/6, Yellow Brown | Silty Clay | NCM | None |
| XKA1.14 | III | 44 | 54 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil |
| XKA1.14 | III | 15 | 32 | 10YR 5/2, Grayish Brown | Silty Clay Loam | NCM | None |
| XKA1.15 | I | 0 | 26 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XKA1.15 | II | 26 | 36 | 10YR 6/2, Light Brownish Gray | Silty Clay | NCM | Oxidized sterile sub |
| XKB1.01 | I | 0 | 26 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XKB1.01 | II | 26 | 36 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile sub |
| XKB1.02 | I | 0 | 11 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XKB1.02 | II | 11 | 38 | 10YR 4/3, Brown | Silty Clay | NCM | None |
| XKB1.02 | III | 38 | 48 | 10YR 5/2, Grayish Brown | Silty Clay | NCM | Sterile sub |
| XKB1.03 | I | 0 | 7 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |

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|---------|-----|----|----|------------------------------------|--------------------|-----|--------------------------------------|
| XKB1.03 | II | 7 | 30 | 10YR 5/3, Brown | Silt Loam | NCM | None |
| XKB1.03 | III | 30 | 40 | 10YR 6/2, Light Brownish Gray | Silty Clay | NCM | Sterile sub |
| XKB1.04 | I | 0 | 20 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |
| XKB1.04 | II | 20 | 55 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XKB1.04 | III | 55 | 65 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil |
| XKB1.05 | I | 0 | 39 | 10YR 5/3, Brown | Silt Loam | NCM | None |
| XKB1.05 | II | 39 | 49 | 10YR 6/2, Light Brownish Gray | Silt Loam | NCM | Sterile sub |
| XKB1.06 | I | 0 | 15 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |
| XKB1.06 | II | 15 | 38 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XKB1.06 | III | 38 | 48 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil |
| XKB1.07 | I | 0 | 12 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XKB1.07 | II | 12 | 33 | 10YR 5/3, Brown | Silt Loam | NCM | None |
| XKB1.07 | III | 33 | 43 | 10YR 6/2, Light Brownish Gray | Silty Clay | NCM | Oxidized sterile sub |
| XKC.25 | I | 0 | 37 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XKC.25 | II | 37 | 47 | 10YR 5/6, Yellow Brown | Silt | NCM | None |
| XKC1.01 | I | 0 | 23 | 10YR 3/3, Dark Brown | Silt Loam | NCM | Root impasse |
| XKC1.02 | I | 0 | 7 | 10YR 2/2, Very Dark Brown | Silt Loam | NCM | Deflated forest floor, coarse roots. |

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|---------|----|----|----|---------------------------------|-----------------|-----|---|
| XKC1.02 | II | 7 | 21 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | None |
| XKC1.03 | I | 0 | 38 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | Mtld w 10YR 5/4, Yellowish Brown silo |
| XKC1.03 | II | 38 | 48 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XKC1.04 | I | 0 | 28 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XKC1.04 | II | 28 | 38 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XKC1.05 | I | 0 | 29 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | Ao horizon forming 0-3 cmbs |
| XKC1.05 | II | 29 | 39 | 10YR 6/6, Brownish Yellow | Silty Clay Loam | NCM | None |
| XKC1.06 | I | 0 | 6 | 10YR 2/1, Black | Silt Loam | NCM | Deflated forest floor, many coarse roots. |
| XKC1.06 | II | 6 | 20 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | Coarse and large roots. |
| XKC1.07 | I | 0 | 38 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | 1 |
| XKC1.07 | II | 38 | 48 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XKC1.08 | I | 0 | 11 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XKC1.09 | I | 0 | 34 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | Mtld w 10YR 5/4, Yellowish Brown silo |
| XKC1.09 | II | 34 | 44 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XKC1.10 | I | 0 | 34 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |

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|---------|----|----|----|-----------------------------------|-----------------|-----|--------------------------------------|
| XKC1.10 | II | 34 | 44 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XKC1.11 | I | 0 | 30 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XKC1.11 | II | 30 | 40 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XKC1.12 | I | 0 | 5 | 10YR 2/2, Very Dark Brown | Silt Loam | NCM | Deflated forest floor, coarse roots. |
| XKC1.12 | II | 5 | 24 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XKC1.13 | I | 0 | 27 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | Ao from 0-5 cmbs |
| XKC1.13 | II | 27 | 37 | 10YR 5/6, Yellow Brown | Sand | NCM | None |
| XKC1.14 | I | 0 | 49 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XKC1.14 | II | 49 | 59 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XKC1.15 | I | 0 | 35 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XKC1.15 | II | 35 | 45 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XKC1.16 | I | 0 | 35 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XKC1.16 | II | 35 | 45 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XKC1.17 | I | 0 | 8 | 10YR 2/2, Very Dark Brown | Silt Loam | NCM | Deflated forest floor, coarse roots. |
| XKC1.17 | II | 8 | 22 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |

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|---------|----|----|----|-----------------------------------|-----------------|-----|--------------------------------------|
| XKC1.18 | I | 0 | 36 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XKC1.18 | II | 36 | 46 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XKC1.19 | I | 0 | 51 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XKC1.19 | II | 51 | 61 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XKC1.20 | I | 0 | 42 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XKC1.20 | II | 42 | 52 | 10YR 6/3, Pale Brown | Silty Clay Loam | NCM | None |
| XKC1.21 | I | 0 | 35 | 10YR 4/3, Brown | Silt Loam | NCM | AO horizon from 0-5 cmbs |
| XKC1.21 | II | 35 | 45 | 10YR 5/4, Yellowish Brown | Silt | NCM | None |
| XKC1.22 | I | 0 | 6 | 10YR 2/2, Very Dark Brown | Silt Loam | NCM | Deflated forest floor, coarse roots |
| XKC1.22 | II | 6 | 23 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XKC1.23 | I | 0 | 42 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XKC1.23 | II | 42 | 52 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XKC1.24 | I | 0 | 39 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XKC1.24 | II | 39 | 49 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XKC1.26 | I | 0 | 4 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | Deflated forest floor, coarse roots. |
| XKC1.26 | II | 4 | 15 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |

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|---------|-----|----|----|-----------------------------------|-----------------|-----|--|
| XKC1.27 | I | 0 | 32 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XKC1.27 | II | 32 | 42 | 2.5Y 6/2 | Silty Clay Loam | NCM | None |
| XKC1.28 | I | 0 | 44 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XKC1.28 | II | 44 | 54 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XKC1.29 | I | 0 | 29 | 10YR 4/3, Brown | Silt Loam | NCM | Minor AO horizon 10YR 3/2, Very Dark Grayish Brown silo followed by ephemeral E horizon 10YR 6/2, Light Brownish Gray. |
| XKC1.29 | II | 29 | 39 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XKC1.30 | I | 0 | 10 | 10YR 2/2, Very Dark Brown | Silt Loam | NCM | Deflated forest floor, coarse roots. |
| XKC1.30 | II | 10 | 23 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XKC1.31 | I | 0 | 22 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XKC1.31 | II | 22 | 41 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XKC1.31 | III | 41 | 51 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XKC1.32 | I | 0 | 45 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XKC1.32 | II | 45 | 55 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XKC1.33 | I | 0 | 38 | 10YR 4/3, Brown | Silt Loam | NCM | None |

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|---------|-----|----|----|--------------------------------|-----------------|-----|----------------------|
| XKC1.33 | II | 38 | 48 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XKC1.34 | I | 0 | 42 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XKC1.34 | II | 42 | 52 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XKC1.35 | I | 0 | 23 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Denuded cow pasture. |
| XKC1.35 | II | 23 | 31 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XKC1.35 | III | 31 | 38 | 10YR 6/2, Light Brownish Gray | Silty Clay | NCM | None |
| XKC1.36 | I | 0 | 35 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XKC1.36 | II | 35 | 45 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XKC1.37 | I | 0 | 51 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XKC1.37 | II | 51 | 61 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XKC1.38 | I | 0 | 25 | 10YR 4/3, Brown | Silty Clay Loam | NCM | None |
| XKC1.38 | II | 25 | 35 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XKC1.39 | I | 0 | 36 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XKC1.39 | II | 36 | 46 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XKC1.40 | I | 0 | 45 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |

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| | | | | | | | |
|---------|----|----|----|-----------------------------------|-----------------|-----|--|
| XKC1.40 | II | 45 | 55 | 10YR 5/3, Brown | Silty Clay Loam | NCM | Located in pasture, backfill pic in log |
| XKC1.41 | I | 0 | 45 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XKC1.41 | II | 45 | 55 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XKC1.42 | I | 0 | 10 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | In small stand of trees in cow pasture, large roots. |
| XKC1.42 | II | 10 | 28 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XKC1.43 | I | 0 | 21 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | Rock impasse |
| XKC1.44 | I | 0 | 30 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XKC1.44 | II | 30 | 40 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XKC1.45 | I | 0 | 24 | 10YR 4/3, Brown | Silty Clay Loam | NCM | None |
| XKC1.45 | II | 24 | 35 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XKC1.46 | I | 0 | 42 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XKC1.46 | II | 42 | 52 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XKC1.47 | I | 0 | 40 | 10YR 4/3, Brown | Silty Clay Loam | NCM | None |
| XKC1.47 | II | 40 | 50 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XKC1.48 | I | 0 | 32 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |

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| | | | | | | | |
|---------|----|----|----|--------------------------------|-----------------|-----|----------------------|
| XKC1.48 | II | 32 | 42 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XKC1.49 | I | 0 | 32 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XKC1.49 | II | 32 | 42 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XKC1.50 | I | 0 | 37 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XKC1.50 | II | 37 | 47 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XKC1.51 | I | 0 | 38 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XKC1.51 | II | 38 | 48 | 10YR 6/3, Pale Brown | Silty Clay Loam | NCM | None |
| XKC1.52 | I | 0 | 28 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Grass field, sod cap |
| XKC1.52 | II | 28 | 40 | 10YR 6/2, Light Brownish Gray | Silty Clay Loam | NCM | None |
| XKC1.53 | I | 0 | 37 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XKC1.53 | II | 37 | 47 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XKC1.55 | I | 0 | 30 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XKC1.55 | I | 0 | 27 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XKC1.55 | II | 30 | 40 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XKC1.55 | II | 27 | 37 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XKC1.56 | I | 0 | 25 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |

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|---------|----|----|----|--------------------------------|-----------------|-----|-----------------------|
| XKC1.56 | II | 25 | 35 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XKC1.57 | I | 0 | 33 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XKC1.57 | II | 33 | 42 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XKC1.58 | I | 0 | 29 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XKC1.58 | II | 29 | 39 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XKC1.59 | I | 0 | 27 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Grass field, sod cap. |
| XKC1.59 | II | 27 | 40 | 10YR 6/2, Light Brownish Gray | Silty Clay Loam | NCM | None |
| XKC1.60 | I | 0 | 31 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XKC1.60 | II | 31 | 41 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XKC1.61 | I | 0 | 32 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XKC1.61 | II | 32 | 42 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XKC1.62 | I | 0 | 23 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |
| XKC1.62 | II | 23 | 33 | 10YR 6/2, Light Brownish Gray | Silty Clay Loam | NCM | None |
| XKC1.63 | I | 0 | 28 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XKC1.63 | II | 28 | 38 | 2.5Y 5/6, Light Olive Brown | Silt Loam | NCM | None |
| XKC1.64 | I | 0 | 27 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XKC1.64 | II | 27 | 37 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |

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|---------|----|----|----|--------------------------------|-----------------|-----|---------------------------------------|
| XKC1.65 | I | 0 | 29 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XKC1.65 | II | 29 | 39 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XKC1.66 | I | 0 | 35 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XKC1.66 | II | 35 | 45 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XKC1.67 | I | 0 | 32 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XKC1.67 | II | 32 | 42 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XKC1.68 | I | 0 | 28 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XKC1.68 | II | 28 | 38 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XKC1.69 | I | 0 | 25 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XKC1.69 | II | 25 | 35 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XKC2.01 | I | 0 | 29 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XKC2.01 | II | 29 | 39 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XKC2.02 | I | 0 | 24 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Long grass and weeds pasture, sod cap |
| XKC2.02 | II | 24 | 38 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XKC2.03 | I | 0 | 25 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Sod cap, grass field |

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|---------|----|----|----|--------------------------------|-----------------|-----|----------|
| XKC2.03 | II | 25 | 39 | 10YR 6/3, Pale Brown | Silty Clay Loam | NCM | None |
| XKC2.04 | I | 0 | 25 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XKC2.04 | II | 25 | 35 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XKC3.01 | I | 0 | 27 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XKC3.01 | II | 27 | 37 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XKC4.01 | I | 0 | 35 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XKC4.01 | II | 35 | 45 | 10YR 6/3, Pale Brown | Silty Clay Loam | NCM | None |
| XKC4.02 | I | 0 | 38 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XKC4.02 | II | 38 | 48 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XKC4.03 | I | 0 | 28 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XKC4.03 | II | 28 | 38 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XKC4.04 | I | 0 | 28 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Sod cap |
| XKC4.04 | II | 28 | 38 | 10YR 6/3, Pale Brown | Silty Clay Loam | NCM | None |
| XKC4.05 | I | 0 | 30 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XKC4.05 | II | 30 | 40 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XKC5.01 | I | 0 | 23 | 10YR 4/3, Brown | Silt Loam | NCM | Oxidized |

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|----------|-----|----|----|---------------------------------|-----------------|-----|---|
| XKC5.02 | I | 0 | 35 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Sub angular gravel |
| XKC5.02 | II | 35 | 45 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile sub |
| XKC5.03 | I | 0 | 28 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XKC5.03 | II | 28 | 44 | 10YR 5/2, Grayish Brown | Silty Clay Loam | NCM | None |
| XKC5.03 | III | 44 | 54 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil |
| XKC5.04 | I | 0 | 26 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XKC5.04 | II | 26 | 36 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil |
| XKC5.05 | I | 0 | 33 | 10YR 5/3, Brown | Silt Loam | NCM | None |
| XKC5.05 | II | 33 | 43 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | None |
| XKG4.01 | I | 0 | 30 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XKG4.01 | II | 30 | 40 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Mtld w 10YR 6/2, Light Brownish Gray sicllo |
| XLA18.01 | I | 0 | 30 | 10YR 4/3, Brown | Silt Loam | NCM | Loose to friable soil |
| XLA18.01 | II | 30 | 40 | 7.5YR 5/4, Brown | Silt | NCM | None |
| XLA18.02 | I | 0 | 45 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XLA18.02 | II | 45 | 70 | 10YR 4/3, Brown | Silt Loam | NCM | Located at edge of field/woods. Disturbed |
| XLA18.03 | I | 0 | 18 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XLA18.03 | II | 18 | 38 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XLA18.03 | III | 38 | 65 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | Located at edge of field/woods. Disturbed |

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|----------|-----|----|----|--------------------------------|-----------------|-----|---|
| XLA18.04 | I | 0 | 15 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XLA18.04 | II | 15 | 40 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XLA18.04 | III | 40 | 52 | 7.5YR 5/4, Brown | Silt Loam | NCM | None |
| XLA18.05 | I | 0 | 33 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XLA18.05 | II | 33 | 48 | 7.5YR 5/4, Brown | Silt Loam | NCM | None |
| XLA18.06 | I | 0 | 27 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XLA18.06 | II | 27 | 37 | 7.5YR 5/4, Brown | Silty Clay Loam | NCM | None |
| XLA19.02 | I | 0 | 15 | 10YR 4/3, Brown | Silt Loam | NCM | Truncated |
| XLA19.02 | II | 15 | 30 | 7.5YR 5/4, Brown | Silt Loam | NCM | Photo taken |
| XLA19.03 | I | 0 | 7 | 7.5YR 3/2, Dark Brown | Silt Loam | NCM | Roots |
| XLA19.03 | II | 7 | 22 | 7.5YR 5/4, Brown | Silt Loam | NCM | Roots |
| XLA19.04 | I | 0 | 25 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XLA19.04 | II | 25 | 35 | 7.5YR 5/4, Brown | Silt Loam | NCM | None |
| XLA19.05 | I | 0 | 10 | 7.5YR 3/2, Dark Brown | Silt Loam | NCM | Roots |
| XLA19.05 | II | 10 | 26 | 7.5YR 5/4, Brown | Silt Loam | NCM | Roots |
| XLA19.06 | I | 0 | 28 | 10YR 4/3, Brown | Silt Loam | NCM | Sub mottled on surface |
| XLA19.06 | II | 28 | 38 | 7.5YR 5/4, Brown | Silt Loam | NCM | None |
| XLA19.07 | I | 0 | 18 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XLA19.07 | II | 18 | 28 | 2.5Y 6/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XLA19.08 | I | 0 | 12 | 10YR 4/3, Brown | Silt Loam | NCM | Fern plants on surface, edge of graded field. Spoil pile next to stp. |

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|----------|-----|----|----|--------------------------------|-----------------|-----|---|
| XLA19.08 | II | 12 | 27 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XLA19.09 | I | 0 | 48 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XLA19.09 | II | 48 | 58 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XLA19.10 | I | 0 | 35 | 10YR 3/3, Dark Brown | Silt Loam | NCM | Root impasse |
| XLA20.01 | I | 0 | 24 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XLA20.01 | II | 24 | 34 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XLA20.09 | I | 0 | 18 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |
| XLA20.09 | II | 18 | 28 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XLA20.10 | I | 0 | 4 | 10YR 2.5/1, Black | Silt Loam | NCM | Roots, dark soil likely old surface burn. |
| XLA20.10 | II | 4 | 17 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | Roots |
| XLA21.09 | I | 0 | 40 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XLA21.09 | II | 40 | 50 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XLA22.05 | I | 0 | 6 | 7.5R 2.5/2, Black | Silt Loam | NCM | Roots |
| XLA22.05 | II | 6 | 22 | 7.5YR 5/4, Brown | Silt Loam | NCM | Roots |
| XLA22.06 | I | 0 | 20 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XLA22.06 | II | 20 | 45 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XLA22.06 | III | 45 | 55 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |

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|----------|-----|----|----|-----------------------------------|-----------------|-----|--|
| XLA23.01 | I | 0 | 14 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XLA23.01 | II | 14 | 24 | 7.5YR 5/4, Brown | Silt Loam | NCM | Roots |
| XLA23.02 | I | 0 | 13 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XLA23.02 | II | 13 | 31 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XLA23.02 | III | 31 | 41 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XLA23.04 | I | 0 | 8 | 10YR 2/2, Very Dark Brown | Silt Loam | NCM | Roots |
| XLA23.04 | II | 8 | 22 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Roots |
| XLA23.05 | I | 0 | 22 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XLA23.05 | II | 22 | 32 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XLA23.07 | I | 0 | 7 | 10YR 2/1, Black | Loam | NCM | Large and coarse roots, High humic content and decaying duff |
| XLA23.07 | II | 7 | 24 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Large roots |
| XLA25.01 | I | 0 | 62 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XLA25.01 | II | 62 | 75 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XLA25.02 | I | 0 | 13 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | Organic |
| XLA25.02 | II | 13 | 23 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |

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|----------|----|----|----|-----------------------------------|-----------------|-----|--|
| XLA25.03 | I | 0 | 20 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | Organic |
| XLA25.03 | II | 20 | 30 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XLA25.05 | I | 0 | 22 | 10YR 4/3, Brown | Silt Loam | NCM | Small O horizon |
| XLA25.05 | II | 22 | 32 | 10YR 5/6, Yellow Brown | Silt Loam | NCM | None |
| XLA25.06 | I | 0 | 47 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XLA25.06 | II | 47 | 57 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XLA25.07 | I | 0 | 18 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XLA25.07 | II | 18 | 25 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | Root impasse prevented a full 10 cm into sub |
| XLA26.01 | I | 0 | 19 | 10YR 4/3, Brown | Silt Loam | NCM | Small O horizon 3cmbs |
| XLA26.01 | II | 19 | 29 | 10YR 5/6, Yellow Brown | Silt Loam | NCM | None |
| XLA26.02 | I | 0 | 54 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XLA26.02 | II | 54 | 64 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XLA26.04 | I | 0 | 34 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XLA26.04 | II | 34 | 44 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XLA26.07 | I | 0 | 64 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XLA26.07 | II | 64 | 74 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |

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|----------|-----|----|----|-----------------------------------|-----------------|-----|--------------|
| XLA27.02 | I | 0 | 25 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XLA27.02 | II | 25 | 35 | 2.5Y 4/3 | Silty Clay Loam | NCM | None |
| XLA27.04 | I | 0 | 13 | 10YR 3/3, Dark Brown | Sand | NCM | None |
| XLA27.04 | II | 13 | 34 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XLA27.04 | III | 34 | 44 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XLA27.06 | I | 0 | 40 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XLA27.06 | II | 40 | 50 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XLA28.01 | I | 0 | 7 | 10YR 4/3, Brown | Silt Loam | NCM | Roots, damp |
| XLA28.01 | II | 7 | 22 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | Roots, damp |
| XLA28.05 | I | 0 | 6 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Coarse Roots |
| XLA28.05 | II | 6 | 24 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Small roots |
| XLA29.01 | I | 0 | 25 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XLA29.01 | II | 25 | 35 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XLA29.04 | I | 0 | 24 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XLA29.04 | II | 24 | 34 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XLA29.06 | I | 0 | 10 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |

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|----------|----|----|----|-----------------------------------|-----------------|-----|-------------------------------------|
| XLA29.06 | II | 10 | 27 | 7.5YR 5/4, Brown | Silty Clay Loam | NCM | None |
| XLA30.02 | I | 0 | 40 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XLA30.02 | II | 40 | 50 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XLA30.03 | I | 0 | 33 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XLA30.03 | II | 33 | 43 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XLA30.05 | I | 0 | 23 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XLA30.05 | II | 23 | 33 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XLA30.06 | I | 0 | 27 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XLA30.06 | II | 27 | 37 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XLA31.01 | I | 0 | 8 | 7.5YR 3/2, Dark Brown | Silt Loam | NCM | Damp, many coarse roots |
| XLA31.01 | II | 8 | 24 | 7.5YR 4/3 | Silty Clay Loam | NCM | Damp, coarse roots |
| XLA31.02 | I | 0 | 27 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | Small e horizon at 23 cmbs |
| XLA31.02 | II | 27 | 37 | 10YR 6/2, Light Brownish Gray | Silt Loam | NCM | Concreted |
| XLA31.04 | I | 0 | 22 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XLA31.04 | II | 22 | 32 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XLA32.01 | I | 0 | 9 | 10YR 4/3, Brown | Silt Loam | NCM | Truncated due to tree throw/logging |

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| | | | | | | | |
|----------|-----|----|----|-----------------------------|-----------------|-----|-------------------------|
| XLA32.01 | II | 9 | 20 | 10YR 5/6, Yellow Brown | Silt Loam | NCM | None |
| XLA32.02 | I | 0 | 27 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XLA32.02 | II | 27 | 44 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XLA32.02 | III | 44 | 54 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XLA32.04 | I | 0 | 32 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XLA32.05 | I | 0 | 9 | 7.5R 2/2, Very Dark Brown | Silt Loam | NCM | Damp, coarse roots |
| XLA32.05 | II | 9 | 24 | 7.5YR 5/4, Brown | Silty Clay Loam | NCM | Damp, roots |
| XLA33.01 | I | 0 | 5 | 10YR 5/3, Brown | Silty Clay Loam | NCM | Damp, few roots |
| XLA33.01 | II | 5 | 17 | 10YR 5/2, Grayish Brown | Clay Loam | NCM | Damp, few small roots |
| XLA34.01 | I | 0 | 32 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XLA34.01 | II | 32 | 42 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XLA34.05 | I | 0 | 32 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XLA34.05 | II | 32 | 42 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XLA34.08 | I | 0 | 6 | 10YR 2/1, Black | Silt Loam | NCM | Damp, many coarse roots |
| XLA34.08 | II | 6 | 17 | 10YR 5/3, Brown | Silty Clay Loam | NCM | Damp, roots |

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| | | | | | | | |
|----------|-----|----|----|-----------------------------------|-----------------|-----|------------------------------|
| XLA34.09 | I | 0 | 31 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XLA34.09 | II | 31 | 43 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XLA34.09 | III | 43 | 53 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XLA34.10 | I | 0 | 29 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XLA34.10 | II | 29 | 39 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XLA35.01 | I | 0 | 10 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | Dense coarse and large roots |
| XLA35.01 | II | 10 | 32 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | Many coarse roots |
| XLA35.02 | I | 0 | 12 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XLA35.02 | II | 12 | 22 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XLA35.04 | I | 0 | 36 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XLA35.04 | II | 36 | 46 | 7.5YR 5/4, Brown | Silty Clay Loam | NCM | None |
| XLA36.08 | I | 0 | 12 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XLA36.08 | II | 12 | 30 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XLA36.08 | III | 30 | 40 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XLA39.01 | I | 0 | 37 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |

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| | | | | | | | |
|----------|-----|----|----|-----------------------------------|-----------------|-----|---|
| XLA39.01 | II | 37 | 47 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XLA39.02 | I | 0 | 14 | 7.5YR 3/2, Dark Brown | Silt Loam | NCM | Many large and coarse roots |
| XLA39.02 | II | 14 | | 7.5YR 5/4, Brown | Silty Clay Loam | NCM | Many coarse roots |
| XLA39.03 | I | 0 | 27 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XLA39.03 | II | 27 | 37 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XLA39.06 | I | 0 | 18 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XLA39.06 | II | 18 | 28 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XLA41.01 | I | 0 | 30 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XLA41.01 | II | 30 | 40 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XLA41.02 | I | 0 | 54 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XLA41.02 | II | 54 | 64 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XLA41.03 | I | 0 | 36 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XLA41.03 | II | 36 | 46 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Sub rounded gravel very rocky sterile sub |
| XLCX1.01 | I | 0 | 27 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XLCX1.01 | II | 27 | 47 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XLCX1.01 | III | 47 | 57 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |

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| | | | | | | | |
|----------|-----|----|----|---------------------------------|-----------------|-----|-----------------|
| XLCX1.02 | I | 0 | 25 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XLCX1.02 | II | 25 | 35 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XLCX1.03 | I | 0 | 27 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XLCX1.03 | II | 27 | 37 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XLCX1.04 | I | 0 | 21 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XLCX1.04 | II | 21 | 38 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XLCX1.04 | III | 38 | 48 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XLCX1.05 | I | 0 | 27 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XLCX1.06 | I | 0 | 14 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XLCX1.06 | II | 14 | 32 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XLCX1.06 | III | 32 | 42 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil |
| XLCX1.07 | I | 0 | 26 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XLCX1.07 | II | 26 | 36 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XLCX1.08 | I | 0 | 17 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XLCX1.08 | II | 17 | 41 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XLCX1.08 | III | 41 | 51 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XLCX1.09 | I | 0 | 47 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |

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| | | | | | | | |
|----------|-----|----|----|-----------------------------------|-----------------|-----|---|
| XLCX1.09 | II | 47 | 57 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XLCX1.10 | I | 0 | 7 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XLCX1.10 | II | 7 | 33 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XLCX1.10 | III | 33 | 43 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sub rounded gravel sterile sub |
| XLCX1.11 | I | 0 | 26 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XLCX1.11 | II | 26 | 36 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XLCX2.01 | I | 0 | 28 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XLCX2.01 | II | 28 | 38 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XLCX2.02 | I | 0 | 19 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XLCX2.02 | II | 19 | 29 | 10YR 6/3, Pale Brown | Clay Loam | NCM | None |
| XLCX2.03 | I | 0 | 10 | 10YR 3/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XLCX2.03 | II | 10 | 33 | 10YR 4/3, Brown | Silty Clay Loam | NCM | Dense roots stopped excavatiom |
| XLCX2.04 | I | 0 | 39 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XLCX2.04 | II | 39 | 49 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XLR15.03 | I | 0 | 7 | 10YR 3/1, Very Dark Grayish Brown | Silty Clay Loam | NCM | Sparse gravel only for rocks, wet |
| XLR15.03 | II | 7 | 17 | 10YR 6/3, Pale Brown | Clay Loam | NCM | Degrading sandstone rocks, soil mixed with 10YR 6/1, Gray |

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|---------|-----|----|----|-----------------------------------|-----------------|-----|---------------------------------|
| XL5A.01 | I | 0 | 22 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | Minor lens of E horizon @20cmbs |
| XL5A.01 | II | 22 | 32 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XL5A.02 | I | 0 | 7 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XL5A.02 | II | 7 | 36 | 10YR 4/2, Dark Grayish Brown | Silty Clay | NCM | Oxidized |
| XL5A.02 | III | 36 | 46 | 10YR 5/1, Gray | Silty Clay | NCM | Sterile sub Oxidized |
| XL5A.03 | I | 0 | 15 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XL5A.03 | II | 15 | 25 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XL5A.04 | I | 0 | 51 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XL5A.04 | II | 51 | 61 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XL5A.05 | I | 0 | 45 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XL5A.05 | II | 45 | 55 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XL5A.06 | I | 0 | 42 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XL5A.06 | II | 42 | 52 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XL5A.07 | I | 0 | 32 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XL5A.07 | II | 32 | 42 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XL5A.08 | I | 0 | 29 | 10YR 4/3, Brown | Silt Loam | NCM | None |

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| | | | | | | | |
|---------|----|----|----|------------------------------|-----------------|-----|---|
| XL5A.08 | II | 29 | 39 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XL5A.09 | I | 0 | 28 | 10YR 4/2, Dark Grayish Brown | Silty Clay | NCM | Oxidized |
| XL5A.09 | II | 28 | 38 | 10YR 5/2, Grayish Brown | Silty Clay | NCM | Oxidized sub angular gravel sterile sub |
| XL5A.10 | I | 0 | 30 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XL5A.10 | II | 30 | 40 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XL5A.11 | I | 0 | 31 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XL5A.11 | II | 31 | 41 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XL5A.12 | I | 0 | 29 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XL5A.12 | II | 29 | 39 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XL5A.13 | I | 0 | 29 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XL5A.13 | II | 29 | 39 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XL5A.14 | I | 0 | 25 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Sub angular gravel |
| XL5A.14 | II | 25 | 35 | 10YR 5/2, Grayish Brown | Sandy Clay | NCM | Sub angular gravel oxidized sterile sub |
| XL5A.15 | I | 0 | 33 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XL5A.15 | II | 33 | 43 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XL5A.16 | I | 0 | 30 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |

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|----------|----|----|----|------------------------------|-----------------|-----|-----------------|
| XL5A5.16 | II | 30 | 40 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XL5A5.17 | I | 0 | 30 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XL5A5.17 | II | 30 | 40 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XL5A5.18 | I | 0 | 28 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XL5A5.18 | II | 28 | 38 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XL5A5.19 | I | 0 | 27 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XL5A5.19 | II | 27 | 37 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XL5A5.20 | I | 0 | 30 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XL5A5.20 | II | 30 | 40 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XL5A5.21 | I | 0 | 29 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Grass field |
| XL5A5.21 | II | 29 | 39 | 10YR 5/1, Gray | Silty Clay Loam | NCM | Sterile subsoil |
| XL5A5.22 | I | 0 | 33 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XL5A5.22 | II | 33 | 43 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XL5A5.23 | I | 0 | 20 | 10YR 3/3, Dark Brown | Silt Loam | NCM | Roock impasse |
| XL5A6.01 | I | 0 | 30 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XL5A6.01 | II | 30 | 40 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |

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|-------------|----|----|----|-----------------------------|-----------------|------------------|---|
| XLIA6.02 | I | 0 | 38 | 10YR 3/3, Dark Brown | Silt Loam | NCM | 1 piece of clear glass noted, not collected |
| XLIA6.02 | II | 38 | 48 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XLIA6.03 | I | 0 | 36 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XLIA6.03 | II | 36 | 46 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XLIA6.04 | I | 0 | 29 | 10YR 4/3, Brown | Silt Loam | HistoricContents | None |
| XLIA6.04 | II | 29 | 39 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | HistoricContents | None |
| XLIA6.04R1N | I | 0 | 31 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XLIA6.04R1N | II | 31 | 41 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XLIA6.04R1S | I | 0 | 30 | 10YR 3/3, Dark Brown | Silt Loam | HistoricContents | Undiagnostic historic observed but not collected: flat colorless glass n=4, brick n=1 |
| XLIA6.04R1S | II | 30 | 40 | 10YR 5/3, Brown | Silty Clay Loam | HistoricContents | None |
| XLIA6.04R1W | I | 0 | 49 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XLIA6.04R1W | II | 49 | 59 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XLIA6.04R3E | I | 0 | 35 | 10YR 4/3, Brown | Silt Loam | HistoricContents | None |
| XLIA6.04R3E | II | 35 | 45 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | HistoricContents | None |
| XLIA6.04R3N | I | 0 | 30 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |

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|---------------|----|----|----|--------------------------------|-----------------|------------------|---|
| XLIA6.04R3N | II | 30 | 40 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XLIA6.04R3S | I | 0 | 39 | 10YR 3/3, Dark Brown | Silt Loam | HistoricContents | Nondiagnostic historic artifacts were observed but not collected including brick frags n=2, whiteware n=1, and flat colorless glass n=4 |
| XLIA6.04R3S | II | 39 | 49 | 7.5YR 5/3, Brown | Silty Clay Loam | HistoricContents | None |
| XLIA6.04R3W | I | 0 | 32 | 10YR 3/3, Dark Brown | Silt Loam | NCM | Rock impasse |
| XLIA6.04R7.5E | I | 0 | 27 | 10YR 3/3, Dark Brown | Silt Loam | HistoricContents | None |
| XLIA6.04R7.5E | II | 27 | 37 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | HistoricContents | None |
| XLIA6.05 | I | 0 | 15 | 10YR 4/3, Brown | Silt Loam | NCM | Rock impasse |
| XLIA6.06 | I | 0 | 27 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XLIA6.06 | II | 27 | 37 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XLIA6.07 | I | 0 | 20 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | Pit located 5m N of well cap, mottled w 10YR 5/4, Yellowish Brown |
| XLIA6.07 | II | 20 | 30 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XLIA6.08 | I | 0 | 61 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XLIA6.08 | II | 61 | 71 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XLIA6.09 | I | 0 | 60 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |

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|--------|----|----|----|-------------------------------|-----------------|-----|------|
| XL6.09 | II | 60 | 70 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XL6.10 | I | 0 | 36 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XL6.10 | II | 36 | 46 | 10YR 6/2, Light Brownish Gray | Silty Clay Loam | NCM | None |
| XL7.05 | I | 0 | 30 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XL7.05 | II | 30 | 40 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XL7.01 | I | 0 | 27 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XL7.01 | II | 27 | 37 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XL7.02 | I | 0 | 40 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XL7.02 | II | 40 | 50 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XL7.03 | I | 0 | 29 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XL7.03 | II | 29 | 39 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XL7.04 | I | 0 | 32 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XL7.04 | II | 32 | 42 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | I |
| XL7.06 | I | 0 | 35 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XL7.06 | II | 35 | 45 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XL7.07 | I | 0 | 48 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |

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|-----------|----|----|----|------------------------------------|--------------------|-----|--|
| XL7YA7.07 | II | 48 | 58 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XL7YA7.08 | I | 0 | 31 | 10YR 3/3, Dark Brown | Silty Clay | NCM | None |
| XL7YA7.08 | II | 31 | 49 | 10YR 4/3, Brown | Silty Clay | NCM | Sub rounded gravel |
| XL7YA7.09 | I | 0 | 15 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Grass field many subangular gravel present |
| XL7YA7.09 | II | 15 | 25 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil |
| XL7YA7.10 | I | 0 | 23 | 10YR 4/3, Brown | Silty Clay | NCM | Oxidized |
| XL7YA7.10 | II | 23 | 33 | 10YR 5/4, Yellowish Brown | Silty Clay | NCM | Angular and sub angular gravel oxidized sterile sub |
| XL7YA7.11 | I | 0 | 12 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Grass field sub angular gravel present |
| XL7YA7.11 | II | 12 | 22 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with sub angular gravel |
| XL7YA7.12 | I | 0 | 35 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XL7YA7.12 | II | 35 | 45 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XL7YA7.13 | I | 0 | 39 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XL7YA7.13 | I | 0 | 39 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XL7YA7.13 | II | 39 | 49 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XL7YA7.13 | II | 39 | 49 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XL7YA7.14 | I | 0 | 28 | 10YR 4/3, Brown | Silt Loam | NCM | None |

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| | | | | | | | |
|-----------|-----|----|----|-----------------------------|-----------------|-----|------|
| XL7YA7.14 | II | 28 | 38 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XL7YA7.15 | I | 0 | 19 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XL7YA7.15 | II | 19 | 29 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XL7YA7.16 | I | 0 | 47 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XL7YA7.16 | II | 47 | 57 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XL7YA7.17 | I | 0 | 30 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XL7YA7.17 | II | 30 | 40 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XL7YA7.18 | I | 0 | 25 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XL7YA7.18 | II | 25 | 39 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XL7YA7.18 | III | 39 | 49 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XL7YA7.19 | I | 0 | 30 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XL7YA7.19 | II | 30 | 40 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XL7YA7.20 | I | 0 | 27 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XL7YA7.20 | II | 27 | 37 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XL7YA7.21 | I | 0 | 30 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XL7YA7.21 | II | 30 | 40 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XL7YA7.22 | I | 0 | 34 | 10YR 4/3, Brown | Silt Loam | NCM | None |

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| | | | | | | | |
|-----------|-----|----|----|---------------------------------|-----------------|-----|--|
| XL7YA7.22 | II | 34 | 44 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XL7YA7.23 | I | 0 | 29 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XL7YA7.23 | II | 29 | 39 | 10YR 4/3, Brown | Silty Clay Loam | NCM | None |
| XL7YA7.24 | I | 0 | 30 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XL7YA7.24 | II | 30 | 40 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XL7YA7.25 | I | 0 | 25 | 10YR 4/4, Dark Yellowish Brown | Silty Clay Loam | NCM | None |
| XL7YA7.25 | II | 25 | 35 | 7.5YR 5/4, Brown | Silty Clay Loam | NCM | None |
| XL7YA7.26 | I | 0 | 26 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XL7YA7.26 | II | 26 | 36 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XL7YA7.28 | I | 0 | 28 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XL7YA7.28 | II | 28 | 47 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XL7YA7.28 | III | 47 | 57 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XL7YA7.31 | I | 0 | 30 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Grass field, subangular gravel present |
| XL7YA7.31 | II | 30 | 40 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation |
| XL7YA7.32 | I | 0 | 25 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XL7YA7.32 | II | 25 | 35 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |

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| | | | | | | | |
|-----------|-----|----|----|-----------------------------------|-----------------|-----|-------------------------------------|
| XL7YA7.33 | I | 0 | 28 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XL7YA7.33 | II | 28 | 38 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XL7YA8.01 | I | 0 | 29 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XL7YA8.01 | II | 29 | 39 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XL7YA8.03 | I | 0 | 22 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XL7YA8.03 | II | 22 | 32 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XL7YA8.05 | I | 0 | 28 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Grass field |
| XL7YA8.05 | II | 28 | 38 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation |
| XL7YA8.06 | I | 0 | 27 | 10YR 4/2, Dark Grayish Brown | Silty Clay | NCM | Oxidized |
| XL7YA8.06 | II | 27 | 37 | 10YR 6/2, Light Brownish Gray | Silty Clay | NCM | Rounded gravel oxidized sterile sub |
| XL7YA8.07 | I | 0 | 27 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Grass field |
| XL7YA8.07 | II | 27 | 50 | 10YR 4/1, Dark Gray | Silty Clay Loam | NCM | None |
| XL7YA8.07 | III | 50 | 60 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation |
| XL7YA8.08 | I | 0 | 32 | 10YR 3/2, Very Dark Grayish Brown | Silty Clay | NCM | Mg redox oxidized |
| XL7YA8.08 | II | 32 | 42 | 10YR 6/2, Light Brownish Gray | Silty Clay | NCM | Oxidized sterile sub |
| XL7YA8.10 | I | 0 | 31 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |

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| | | | | | | | |
|-----------|----|----|----|-----------------------------------|-----------------|-----|---|
| XL YA8.10 | II | 31 | 41 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XL YA8.11 | I | 0 | 31 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XL YA8.11 | II | 31 | 41 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XL YA8.12 | I | 0 | 26 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XL YA8.12 | II | 26 | 36 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XL YA8.13 | I | 0 | 34 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | Oxidized |
| XL YA8.13 | II | 34 | 44 | 10YR 6/2, Light Brownish Gray | Silt Loam | NCM | Mg redox oxidized sterile sub |
| XL YA8.14 | I | 0 | 37 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XL YA8.14 | II | 37 | 47 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XL YA8.15 | I | 0 | 34 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Oxidized |
| XL YA8.15 | II | 34 | 44 | 10YR 6/2, Light Brownish Gray | Silt Loam | NCM | Mg redox sub rounded pebbles oxidized sterile sub |
| XL YA8.16 | I | 0 | 28 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XL YA8.16 | II | 28 | 38 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XL YA8.17 | I | 0 | 35 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Oxidized sub angular gravel |
| XL YA8.17 | II | 35 | 45 | 10YR 6/2, Light Brownish Gray | Silt Loam | NCM | Sub angular gravel oxidized sterile sub |

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| | | | | | | | |
|-----------|----|----|----|-----------------------------------|-----------------|-----|--|
| XL YA8.18 | I | 0 | 33 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XL YA8.18 | II | 33 | 43 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XL YA8.19 | I | 0 | 25 | 10YR 4/3, Brown | Silt Loam | NCM | Oxidized |
| XL YA8.19 | II | 25 | 35 | 10YR 6/3, Pale Brown | Silt Loam | NCM | Sub rounded pebbles oxidized sterile sub |
| XL YA8.20 | I | 0 | 29 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XL YA8.20 | II | 29 | 39 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XL YA8.21 | I | 0 | 26 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Ap |
| XL YA8.21 | II | 26 | 36 | 2.5Y 4/2, Dark Grayish Brown | Silty Clay Loam | NCM | Oxidized subsoil |
| XL YA8.22 | I | 0 | 28 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Ap |
| XL YA8.22 | II | 28 | 38 | 2.5Y 4/2, Dark Grayish Brown | Silty Clay Loam | NCM | Oxidized subsoil |
| XL YA8.23 | I | 0 | 24 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Ap |
| XL YA8.23 | II | 24 | 35 | 2.5Y 4/2, Dark Grayish Brown | Silty Clay Loam | NCM | Oxidized subsoil |
| XL YA8.24 | I | 0 | 31 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Rock impasse at 31cmbs. STP is approximately 10m from a road ditch |
| XMA9.02 | I | 0 | 35 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XMA9.02 | II | 35 | 45 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |

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|---------|----|----|----|-----------------------------------|-----------------|-----|---|
| XMA9.05 | I | 0 | 25 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XMA9.05 | II | 25 | 35 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XMA9.08 | I | 0 | 25 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XMA9.08 | II | 25 | 35 | 7.5YR 5/4, Brown | Silty Clay Loam | NCM | None |
| XMA9.11 | I | 0 | 32 | 10YR 3/3, Dark Brown | Silt Loam | NCM | Rock impasse |
| XMA9.13 | I | 0 | 40 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XMA9.13 | II | 40 | 50 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XMA9.15 | I | 0 | 31 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XMA9.15 | II | 31 | 41 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XMA9.18 | I | 0 | 44 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XMA9.18 | II | 44 | 54 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XMA9.21 | I | 0 | 45 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XMA9.21 | II | 45 | 55 | 7.5YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XMA9.25 | I | 0 | 45 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | Rock impasse at 45cmbs, located approximately 2m from marked stream bed |

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|-------------|-----|----|----|---------------------------------|-----------------|-----|---|
| XMA9.28 | I | 0 | 75 | 10YR 3/3, Dark Brown | Silt Loam | NCM | Rock impasse at 75cmbs |
| XWB-AR11.03 | I | 0 | 27 | 10YR 4/3, Brown | Silt Loam | NCM | Hay field |
| XWB-AR11.03 | II | 27 | 37 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation |
| XMD1.05 | I | 0 | 22 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |
| XMD1.05 | II | 22 | 32 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation |
| XNA1.01 | I | 0 | 28 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XNA1.01 | II | 28 | 38 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XNA1.02 | I | 0 | 34 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XNA1.02 | II | 34 | 44 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XNA1.03 | I | 0 | 34 | 10YR 4/3, Brown | Silt Loam | NCM | Disturbed plow with tree farming evidence nearby. Thick root mat leading to impasse at 34cmbs |
| XNA1.04 | I | 0 | 34 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XNA1.04 | II | 34 | 44 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XNA1.05 | I | 0 | 16 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XNA1.05 | II | 16 | 32 | 10YR 4/2, Dark Grayish Brown | Silty Clay Loam | NCM | Mg Redox |
| XNA1.05 | III | 32 | 42 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |
| XNB1.01 | I | 0 | 27 | 10YR 3/3, Dark Brown | Silt Loam | NCM | Mowed pasture |

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| | | | | | | | |
|---------|----|----|----|-----------------------------------|-----------------|-----|---|
| XNB1.01 | II | 27 | 38 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XNB1.02 | I | 0 | 35 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XNB1.02 | II | 35 | 45 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XNB1.03 | I | 0 | 33 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XNB1.03 | II | 33 | 43 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XNB1.04 | I | 0 | 28 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XNB1.04 | II | 28 | 38 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XNB1.05 | I | 0 | 38 | 10YR 4/3, Brown | Silt Loam | NCM | Lens of 10YR 3/3, Dark Brown silo at 34 cmbs |
| XNB1.05 | II | 38 | 48 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XNB1.06 | I | 0 | 30 | 10YR 4/3, Brown | Silt Loam | NCM | Edge of hedgerow, graded, mixed. Roots |
| XNB1.06 | II | 30 | 40 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | None |
| XNB1.07 | I | 0 | 31 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | Root impasse |
| XNB1.08 | I | 0 | 32 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XNB1.08 | II | 32 | 42 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XNB1.09 | I | 0 | 33 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | Graded, mixed hedgerow edge. large rock impasse at 33 cmbgs |
| XNB1.10 | I | 0 | 39 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |

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|---------|----|----|----|-----------------------------------|-----------------|-----|--|
| XNB1.10 | II | 39 | 49 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XNB1.11 | I | 0 | 34 | 10YR 4/3, Brown | Silt Loam | NCM | Inverted soils, sub over a, hedgerow prob farm push |
| XNB1.11 | II | 34 | 44 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | True subsoil under disturbance |
| XNB1.12 | I | 0 | 10 | 10YR 3/2, Very Dark Grayish Brown | Loam | NCM | Hedgerow, dense coarse root matrix. |
| XNB1.12 | II | 10 | 24 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XNB1.13 | I | 0 | 49 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XNB1.13 | II | 49 | 59 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XNB1.14 | I | 0 | 30 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XNB1.14 | II | 30 | 40 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XNB1.15 | I | 0 | 40 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XNB1.15 | II | 40 | 50 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XNB1.16 | I | 0 | 23 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XNB1.16 | II | 23 | 33 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XNB1.17 | I | 0 | 30 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | Lens of Ao, 10YR 3/2, Very Dark Grayish Brown silo from 0-5 cmbs |
| XNB1.17 | II | 30 | 40 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |

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|---------|-----|----|----|-----------------------------------|-----------------|-----|--|
| XNB1.18 | I | 0 | 9 | 10YR 3/2, Very Dark Grayish Brown | Loam | NCM | Near large maple tree, extremely dense root matrix, deflated soil. |
| XNB1.18 | II | 9 | 17 | 7.5YR 5/4, Brown | Silt Loam | NCM | Very large root impasse. |
| XNB1.19 | I | 0 | 32 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | Mtld w 10YR 6/3, Pale Brown |
| XNB1.19 | II | 32 | 42 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XNB1.20 | I | 0 | 26 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XNB1.20 | II | 26 | 36 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XNB2.01 | I | 0 | 39 | 10YR 3/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XNB2.01 | II | 39 | 49 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XNB2.02 | I | 0 | 26 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | Edge of pasture. |
| XNB2.02 | II | 26 | 38 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XNB2.02 | III | 38 | 47 | 10YR 6/3, Pale Brown | Silty Clay Loam | NCM | None |
| XNB2.03 | I | 0 | 28 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XNB2.03 | II | 28 | 38 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XNB2.04 | I | 0 | 31 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | Several large rocks prevented further excavation |
| XNB2.05 | I | 0 | 15 | 10YR 4/3, Brown | Silt Loam | NCM | Truncated |
| XNB2.05 | II | 15 | 30 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |

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| | | | | | | | |
|---------|----|----|----|-----------------------------------|-----------------|-----|----------------------|
| XNB2.06 | I | 0 | 23 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XNB2.06 | II | 23 | 33 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XNB3.01 | I | 0 | 30 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XNB3.01 | II | 30 | 40 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XNB3.03 | I | 0 | 32 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XNB3.03 | II | 32 | 42 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XNB3.04 | I | 0 | 29 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XNB3.04 | II | 29 | 39 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XNB3.05 | I | 0 | 25 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XNB3.05 | II | 25 | 35 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XNB3.06 | I | 0 | 30 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XNB3.06 | II | 30 | 40 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XNB3.07 | I | 0 | 37 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XNB3.07 | II | 37 | 47 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XNB3.08 | I | 0 | 25 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XNB3.08 | II | 25 | 35 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Oxidized sterile sub |

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|---------|----|----|----|-----------------------------------|-----------------|-----|---|
| XNB3.09 | I | 0 | 45 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XNB3.09 | II | 45 | 55 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XNB3.10 | I | 0 | 29 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Mix with 10YR 3/3, Dark Brown silo |
| XNB3.10 | II | 29 | 39 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation |
| XNB3.11 | I | 0 | 16 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XNB3.11 | II | 16 | 26 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | None |
| XNB3.12 | I | 0 | 23 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | baby leg sized root. Impasse. |
| XNB3.13 | I | 0 | 38 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Mixed, turbated |
| XNB3.13 | II | 38 | 53 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XNC1.01 | I | 0 | 28 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XNC1.01 | II | 28 | 38 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XNC1.02 | I | 0 | 13 | 10YR 3/1, Very Dark Grayish Brown | Silt Loam | NCM | Wet, heavily mottled with subsoil, very few gravels |
| XNC1.02 | II | 13 | 27 | 10YR 6/3, Pale Brown | Silty Clay Loam | NCM | Mixed colors with 10YR 5/2, Grayish Brown |
| XNC1.03 | I | 0 | 23 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XNC1.03 | II | 23 | 33 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |

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| | | | | | | | |
|---------|----|----|----|-----------------------------------|-----------------|-----|---|
| XNC1.04 | I | 0 | 31 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XNC1.04 | II | 31 | 41 | 10YR 5/2, Grayish Brown | Silty Clay Loam | NCM | None |
| XNC1.06 | I | 0 | 23 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XNC1.06 | II | 23 | 33 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XNC1.08 | I | 0 | 28 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XNC1.08 | II | 28 | 38 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XNC1.09 | I | 0 | 33 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Fairly young fir trees near, very dense coarse root matrix. Moss surface. |
| XNC1.09 | I | 0 | 48 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XNC1.09 | II | 48 | 58 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XNC2.01 | I | 0 | 32 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XNC2.01 | II | 32 | 42 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XNC2.02 | I | 0 | 29 | 10YR 6/3, Pale Brown | Silt | NCM | Tree farm |
| XNC2.02 | II | 29 | 39 | 10YR 5/4, Yellowish Brown | Silt | NCM | None |
| XNC2.03 | I | 0 | 35 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XNC2.03 | II | 35 | 45 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |

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| | | | | | | | |
|----------|----|----|----|---------------------------------|-----------------|-----|--|
| XNC3.01 | I | 0 | 25 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Mixed, grade, pine tree planting edge. |
| XNC3.01 | II | 25 | 35 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | Mixed with 10YR 6/3, Pale Brown |
| XNC3.02 | I | 0 | 31 | 10YR 5/6, Yellow Brown | Silt Loam | NCM | None |
| XNC3.02 | II | 31 | 41 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XNC3.03 | I | 0 | 10 | 10YR 4/3, Brown | Silt Loam | NCM | Truncated |
| XNC3.03 | II | 10 | 20 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | Very dry |
| XNC3.04 | I | 0 | 28 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XNC3.04 | II | 28 | 38 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XNC3.05 | I | 0 | 28 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Mixed, heavily mottled, graded. |
| XNC3.05 | II | 28 | 32 | 10YR 6/3, Pale Brown | Silty Clay Loam | NCM | Rock at 32cm. |
| XNC3.06 | I | 0 | 24 | 10YR 4/3, Brown | Silt Loam | NCM | Subangular gravel present |
| XNC3.06 | II | 24 | 34 | 10YR 5/4, Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |
| XND.2.06 | I | 0 | 23 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XND.2.06 | II | 23 | 33 | 10YR 6/2, Light Brownish Gray | Silty Clay Loam | NCM | Oxidized sterile sub |
| XND1.01 | I | 0 | 31 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XND1.01 | II | 31 | 41 | 10YR 6/4, Light Yellowish Brown | Silt Loam | NCM | Oxidized sterile sub |

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| | | | | | | | |
|---------|-----|----|----|---------------------------------|-----------------|-----|--|
| XND1.02 | I | 0 | 30 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |
| XND1.02 | II | 30 | 40 | 10YR 6/4, Light Yellowish Brown | Sandy Clay Loam | NCM | Sterile subsoil with oxidation |
| XND1.03 | I | 0 | 39 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XND1.03 | II | 39 | 49 | 10YR 6/3, Pale Brown | Sandy Clay Loam | NCM | Sub angular pebbles oxidized sterile sub |
| XND1.04 | I | 0 | 18 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |
| XND1.04 | II | 18 | 28 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation |
| XND1.05 | I | 0 | 25 | 10YR 6/3, Pale Brown | Silt Loam | NCM | Seasonal Wetland |
| XND1.05 | II | 25 | 35 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XND1.06 | I | 0 | 6 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XND1.06 | II | 6 | 40 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XND1.06 | III | 40 | 50 | 10YR 6/4, Light Yellowish Brown | Silt Loam | NCM | Oxidized sterile sub |
| XND1.07 | I | 0 | 9 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XND1.07 | II | 9 | 31 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XND1.07 | III | 31 | 41 | 10YR 6/2, Light Brownish Gray | Silty Clay | NCM | Sb rounded pebbles sterile sub |
| XND1.08 | I | 0 | 13 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XND1.08 | II | 13 | 23 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Mg redox oxidized sterile sub |

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| | | | | | | | |
|---------|----|----|----|-----------------------------------|-----------------|-----|---|
| XND1.09 | I | 0 | 15 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |
| XND1.09 | II | 15 | 32 | 10YR 5/3, Brown | Silty Clay Loam | NCM | Dense roots blocking shovel test |
| XND1.10 | I | 0 | 33 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |
| XND1.10 | II | 33 | 43 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |
| XND2.01 | I | 0 | 19 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XND2.01 | II | 19 | 29 | 10YR 6/2, Light Brownish Gray | Silty Clay Loam | NCM | Oxidized sterile sub |
| XND2.02 | I | 0 | 19 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XND2.02 | II | 19 | 29 | 10YR 6/2, Light Brownish Gray | Silt Loam | NCM | Oxidized sterile sub |
| XND2.03 | I | 0 | 17 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |
| XND2.03 | II | 17 | 27 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation and Mg redox |
| XND2.04 | I | 0 | 45 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |
| XND2.04 | II | 45 | 55 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation |
| XND2.05 | I | 0 | 23 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XND2.05 | II | 23 | 33 | 10YR 6/2, Light Brownish Gray | Silty Clay Loam | NCM | Oxidized sterile sub |
| XPA1.01 | I | 0 | 32 | 10YR 4/3, Brown | Silt Loam | NCM | None |

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| | | | | | | | |
|---------|----|----|----|--------------------------------|--------------------|-----|------|
| XPA1.01 | II | 32 | 42 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XPA1.03 | I | 0 | 31 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XPA1.03 | II | 31 | 41 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XPA1.05 | I | 0 | 25 | 10YR 6/3, Pale Brown | Silty Clay Loam | NCM | None |
| XPA1.05 | II | 25 | 35 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XPB1.01 | I | 0 | 31 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XPB1.01 | II | 31 | 41 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XPB1.02 | I | 0 | 27 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XPB1.02 | II | 27 | 37 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XPB1.03 | I | 0 | 30 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XPB1.03 | II | 30 | 40 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XPB1.04 | I | 0 | 30 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XPB1.04 | II | 30 | 40 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XPB1.05 | I | 0 | 32 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XPB1.05 | II | 32 | 42 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XPB1.06 | I | 0 | 31 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XPB1.06 | II | 31 | 41 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XPB1.07 | I | 0 | 36 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XPB1.07 | II | 36 | 46 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |

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| | | | | | | | |
|----------|----|----|----|--------------------------------|-----------------|-----|---|
| XPB2.01 | I | 0 | 28 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XPB2.01 | II | 28 | 38 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XPB2.02 | I | 0 | 33 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XPB2.02 | II | 33 | 43 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XPB2.04 | I | 0 | 15 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XPB2.04 | II | 15 | 25 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XPB2.05 | I | 0 | 31 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XPB2.05 | II | 31 | 41 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XPBA1.02 | I | 0 | 28 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XPBA1.02 | II | 28 | 38 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XPBA1.04 | I | 0 | 29 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XPBA1.04 | II | 29 | 39 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XPBA1.06 | I | 0 | 27 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XPBA1.06 | II | 27 | 37 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XRA1.01 | I | 0 | 10 | 10YR 3/3, Dark Brown | Silt Loam | NCM | Woods next to old access road |
| XRA1.01 | II | 10 | 27 | 10YR 4/4, Dark Yellowish Brown | Silty Clay Loam | NCM | Large amount of roots blocking excavation |

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|---------|-----|----|----|---------------------------------|-----------------|-----|--|
| XRA1.02 | I | 0 | 10 | 10YR 3/3, Dark Brown | Silt Loam | NCM | Woods |
| XRA1.02 | II | 10 | 39 | 10YR 4/4, Dark Yellowish Brown | Silty Clay Loam | NCM | Subangular gravel and cobbles on base blocking shovel test |
| XRA1.03 | I | 0 | 10 | 10YR 3/3, Dark Brown | Silt Loam | NCM | Woods |
| XRA1.03 | II | 10 | 43 | 10YR 4/4, Dark Yellowish Brown | Silty Clay Loam | NCM | None |
| XRA1.03 | III | 43 | 53 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |
| XRA1.04 | I | 0 | 39 | 10YR 4/4, Dark Yellowish Brown | Silty Clay Loam | NCM | Woods, large amount of roots present stopping shovel test |
| XRA1.05 | I | 0 | 54 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | Woods |
| XRA1.05 | II | 54 | 64 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil |
| XRA1.06 | I | 0 | 52 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | Wooded area |
| XRA1.06 | II | 52 | 62 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil |
| XRA1.07 | I | 0 | 48 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XRA1.07 | II | 48 | 58 | 10YR 6/4, Light Yellowish Brown | Silt Loam | NCM | Sterile sub |
| XRA1.08 | I | 0 | 12 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XRA1.08 | II | 12 | 36 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | Oxidized |
| XRA1.08 | III | 36 | 46 | 10YR 5/2, Grayish Brown | Silty Clay | NCM | Sub angular gravel oxidized sterile sub |

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|----------|-----|----|----|--------------------------------|-----------------|-----|--|
| XRB1.01 | I | 0 | 20 | 10YR 3/3, Dark Brown | Silt Loam | NCM | Wooded area |
| XRB1.01 | II | 20 | 30 | 10YR 4/4, Dark Yellowish Brown | Silty Clay Loam | NCM | Dense with roots, large roots blocking shovel test |
| XRB1.02 | I | 0 | 14 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XRB1.02 | II | 14 | 39 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XRB1.02 | III | 39 | 49 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Oxidized sterile sub |
| XRB1.03 | I | 0 | 23 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XRB1.03 | II | 23 | 44 | 10YR 4/4, Dark Yellowish Brown | Silty Clay Loam | NCM | None |
| XRB1.03 | III | 44 | 54 | 10YR 5/3, Brown | Silty Clay | NCM | Sub rounded gravel oxidized sterile sub |
| XRC10.01 | I | 0 | 29 | 10YR 6/3, Pale Brown | Silt Loam | NCM | None |
| XRC10.01 | II | 29 | 39 | 10YR 5/6, Yellow Brown | Silt | NCM | None |
| XRC10.02 | I | 0 | 36 | 10YR 3/3, Dark Brown | Silt Loam | NCM | Rock impasse at 36cmbs |
| XRC10.03 | I | 0 | 17 | 10YR 6/3, Pale Brown | Silty Clay | NCM | Adjacent to two track road |
| XRC10.03 | II | 17 | 25 | 10YR 5/4, Yellowish Brown | Silty Clay | NCM | Large wood stabilizer in base of pit. |
| XRC10.04 | I | 0 | 40 | 10YR 3/3, Dark Brown | Silt Loam | NCM | Roots throughout |
| XRC10.04 | II | 40 | 50 | 10YR 5/2, Grayish Brown | Silty Clay Loam | NCM | None |

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|----------|-----|----|----|-----------------------------------|-----------------|-----|------------------------------------|
| XRC10.05 | I | 0 | 20 | 10YR 3/2, Very Dark Grayish Brown | Silty Clay | NCM | None |
| XRC10.05 | II | 20 | 30 | 10YR 5/4, Yellowish Brown | Silty Clay | NCM | None |
| XRC10.06 | I | 0 | 10 | 10YR 2/2, Very Dark Brown | Silt Loam | NCM | Extremely dense large root matrix |
| XRC10.06 | II | 10 | 21 | 10YR 5/3, Brown | Clay Loam | NCM | None |
| XRC11.01 | I | 0 | 32 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XRC11.01 | II | 32 | 42 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XRC11.02 | I | 0 | 21 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XRC11.02 | II | 21 | 52 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XRC11.02 | III | 52 | 62 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XRC11.03 | I | 0 | 50 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XRC11.03 | II | 50 | 60 | 10YR 5/2, Grayish Brown | Silty Clay Loam | NCM | None |
| XRC11.04 | I | 0 | 18 | 10YR 4/3, Brown | Silt Loam | NCM | Mixed surface clearing disturbance |
| XRC11.04 | II | 18 | 32 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XRC11.05 | I | 0 | 18 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XRC11.05 | II | 18 | 28 | 10YR 5/6, Yellow Brown | Silty Clay | NCM | None |
| XRC11.06 | I | 0 | 41 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |

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|----------|----|----|----|--------------------------------|-----------------|-----|--|
| XRC11.06 | II | 41 | 51 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XRC12.01 | I | 0 | 37 | 10YR 4/3, Brown | Silt | NCM | None |
| XRC12.01 | II | 37 | 47 | 10YR 5/6, Yellow Brown | Silt | NCM | None |
| XRC12.02 | I | 0 | 29 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XRC12.02 | II | 29 | 39 | 10YR 5/4, Yellowish Brown | Silt | NCM | None |
| XRC12.03 | I | 0 | 24 | 7.5YR 3/2, Dark Brown | Silt Loam | NCM | Mixed, mottled w/ 7.5YR 4/3, very large roots. Clearing disturbance. |
| XRC12.03 | II | 24 | 36 | 7.5YR 5/4, Brown | Silty Clay Loam | NCM | Large roots |
| XRC12.04 | I | 0 | 57 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XRC12.04 | II | 57 | 67 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XRC13.01 | I | 0 | 15 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Pit located in cut two track, sub on surface |
| XRC13.02 | I | 0 | 27 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XRC13.02 | II | 27 | 37 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XRC13.03 | I | 0 | 24 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XRC13.03 | II | 24 | 34 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XRC13.04 | I | 0 | 10 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |
| XRC13.04 | II | 10 | 23 | 10YR 5/3, Brown | Silty Clay Loam | NCM | Mottled with 10YR 5/6, Yellow Brown |

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|----------|-----|----|----|-----------------------------------|-----------------|-----|-------------------------------|
| XRC13.05 | I | 0 | 35 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XRC13.05 | II | 35 | 45 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XRC14.01 | I | 0 | 14 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XRC14.01 | II | 14 | 24 | 10YR 5/4, Yellowish Brown | Silt | NCM | None |
| XRC14.02 | I | 0 | 7 | 10YR 4/3, Brown | Silt Loam | NCM | In old bladed two track road. |
| XRC14.02 | II | 7 | 20 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Compacted, old bladed road |
| XRC14.03 | I | 0 | 13 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XRC14.03 | II | 13 | 23 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XRC14.04 | I | 0 | 24 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XRC14.04 | II | 24 | 34 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XRC14.05 | I | 0 | 20 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XRC14.05 | II | 20 | 32 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XRC14.05 | III | 32 | 42 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XRC14.06 | I | 0 | 20 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XRC14.06 | II | 20 | 30 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XRC14.07 | I | 0 | 21 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |

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|----------|-----|----|----|-----------------------------------|-----------------|-----|---|
| XRC14.07 | II | 21 | 40 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XRC14.07 | III | 40 | 50 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XRC14.08 | I | 0 | 31 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XRC14.08 | II | 31 | 41 | 10YR 5/4, Yellowish Brown | Silt | NCM | None |
| XRC15.01 | I | 0 | 45 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XRC15.01 | II | 45 | 55 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XRC15.02 | I | 0 | 17 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XRC15.02 | II | 17 | 27 | 10YR 5/2, Grayish Brown | Silty Clay Loam | NCM | None |
| XRC15.04 | I | 0 | 20 | 10YR 3/2, Very Dark Grayish Brown | Silty Clay | NCM | None |
| XRC15.04 | II | 20 | 30 | 10YR 6/2, Light Brownish Gray | Silty Clay Loam | NCM | Wet |
| XRC15.05 | I | 0 | 22 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | Lots of roots |
| XRC15.05 | II | 22 | 32 | 10YR 5/4, Yellowish Brown | Silt | NCM | None |
| XRC15.06 | I | 0 | 10 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Coarse roots |
| XRC15.06 | II | 10 | 22 | 10YR 5/3, Brown | Silty Clay Loam | NCM | Some roots |
| XRC15.07 | I | 0 | 8 | 7.5YR 3/3 | Silty Clay Loam | NCM | Bladed old two track, mixed, turbated soils |

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|----------|-----|----|----|-----------------------------------|-----------------|-----|--|
| XRC15.07 | II | 8 | 22 | 10YR 3/1, Very Dark Grayish Brown | Silty Clay Loam | NCM | Mixed, turbated soils from old road blading |
| XRC16.01 | I | 0 | 25 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XRC16.01 | II | 25 | 35 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XRC16.03 | I | 0 | 3 | 10YR 3/3, Dark Brown | Silt Loam | NCM | Root impasse; STP in cluster of large conifers. Offset would put it in an access road. |
| XRC16.04 | I | 0 | 32 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XRC16.04 | II | 32 | 42 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XRC16.05 | I | 0 | 14 | 10YR 3/1, Very Dark Grayish Brown | Silt Loam | NCM | Coarse roots, very large root |
| XRC16.05 | II | 14 | 25 | 10YR 5/3, Brown | Silty Clay Loam | NCM | Roots |
| XRC16.06 | I | 0 | 18 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XRC16.06 | II | 18 | 28 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XRC16.07 | I | 0 | 24 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XRC16.07 | II | 24 | 47 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XRC16.07 | III | 47 | 57 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XRC16.08 | I | 0 | 40 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |

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|----------|-----|----|----|--------------------------------------|--------------------|-----|-------------------|
| XRC16.08 | II | 40 | 50 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XRC9.01 | I | 0 | 23 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XRC9.01 | II | 23 | 43 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XRC9.01 | III | 43 | 53 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XRC9.02 | I | 0 | 20 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | Course roots |
| XRC9.02 | II | 20 | 33 | 10YR 6/2, Light Brownish Gray | Silty Clay Loam | NCM | Cobble size rocks |
| XRC9.03 | I | 0 | 13 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XRC9.03 | II | 13 | 31 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XRC9.03 | III | 31 | 41 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XRE2.02 | I | 0 | 26 | 10YR 6/3, Pale Brown | Silt Loam | NCM | None |
| XRE2.02 | II | 26 | 36 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XRE2.03 | I | 0 | 25 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XRE2.03 | II | 25 | 35 | 10YR 4/3, Brown | Silty Clay Loam | NCM | None |
| XRE2.04 | I | 0 | 16 | 10YR 4/1, Dark Gray | Silt Loam | NCM | Lg n oooo |
| XRE2.04 | II | 16 | 23 | 10YR 6/3, Pale Brown | Silty Clay Loam | NCM | Root, rock |

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|----------|-----|----|----|-----------------------------------|-----------------|-----|----------------|
| XRE2.05 | I | 0 | 22 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XRE2.05 | II | 22 | 32 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XRE3.01 | I | 0 | 24 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XRE3.01 | II | 24 | 36 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XRGC1.01 | I | 0 | 17 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XRGC1.01 | II | 17 | 24 | 10YR 6/4, Light Yellowish Brown | Silt Loam | NCM | None |
| XRGC1.01 | III | 24 | 34 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XRGC1.02 | I | 0 | 25 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | Thick root mat |
| XRGC1.02 | II | 25 | 35 | 10YR 6/2, Light Brownish Gray | Silty Clay Loam | NCM | None |
| XRGC1.03 | I | 0 | 29 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XRGC1.03 | II | 29 | 39 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XRGC1.04 | I | 0 | 28 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | Dense root mat |
| XRGC1.04 | II | 28 | 38 | 10YR 6/2, Light Brownish Gray | Silt Loam | NCM | None |
| XRGC1.05 | I | 0 | 25 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XRGC1.05 | II | 25 | 39 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |

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|----------|-----|----|----|-----------------------------------|-----------------|-----|--|
| XRGC1.05 | III | 39 | 49 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XRGC1.06 | I | 0 | 15 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XRGC1.06 | II | 15 | 25 | Brownish Gray | Loam | NCM | Mtld w 10YR 5/4, Yellowish Brown sicllo |
| XRGC1.07 | I | 0 | 31 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | None |
| XRGC1.07 | II | 31 | 41 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XSB11.01 | I | 0 | 23 | 10YR 3/2, Very Dark Grayish Brown | Silty Clay | NCM | Oxidized |
| XSB11.01 | II | 23 | 33 | 10YR 5/4, Yellowish Brown | Silty Clay | NCM | Sub angular gravel oxidized sterile sub |
| XSB11.03 | I | 0 | 25 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Grass field |
| XSB11.03 | II | 25 | 35 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil |
| XSB11.04 | I | 0 | 32 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Grass field sub angular gravel present |
| XSB11.04 | II | 32 | 42 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil sub angular gravel present |
| XSB11.05 | I | 0 | 30 | 10YR 4/2, Dark Grayish Brown | Silty Clay | NCM | Oxidized |
| XSB11.05 | II | 30 | 40 | 10YR 6/3, Pale Brown | Silty Clay | NCM | Sub angular gravel oxidized sterile sub |
| XSB11.06 | I | 0 | 23 | 10YR 4/2, Dark Grayish Brown | Silty Clay | NCM | Oxidized |
| XSB11.06 | II | 23 | 37 | 10YR 5/2, Grayish Brown | Silty Clay | NCM | Oxidized |

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|----------|-----|----|----|---------------------------------|-----------------|-----|--|
| XSB11.06 | III | 37 | 47 | 10YR 6/2, Light Brownish Gray | Sandy Clay | NCM | Sub angular gravel oxidized sterile sub |
| XSB11.07 | I | 0 | 26 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Grass field |
| XSB11.07 | II | 26 | 43 | 10YR 5/2, Grayish Brown | Silty Clay Loam | NCM | Subangular gravel |
| XSB11.07 | III | 43 | 53 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with sub angular gravel |
| XSB11.08 | I | 0 | 39 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Grass field |
| XSB11.08 | II | 39 | 49 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation subangular gravel |
| XSB11.09 | I | 0 | 31 | 10YR 4/3, Brown | Silty Clay | NCM | Oxidized |
| XSB11.09 | II | 31 | 41 | 10YR 6/2, Light Brownish Gray | Sandy Clay | NCM | Oxidized sterile sub |
| XSB11.10 | I | 0 | 27 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Grass field |
| XSB11.10 | II | 27 | 39 | 10YR 4/3, Brown | Silty Clay Loam | NCM | Subrounded gravel present |
| XSB11.10 | III | 39 | 49 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation |
| XSB11.11 | I | 0 | 28 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Grass field |
| XSB11.11 | II | 28 | 38 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation subrounded gravel present |
| XSB11.12 | I | 0 | 25 | 10YR 4/2, Dark Grayish Brown | Silty Clay | NCM | Oxidized |
| XSB11.12 | II | 25 | 35 | 10YR 6/2, Light Brownish Gray | Silty Clay | NCM | Mg redox oxidized sterile sub |

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|-------------|----|----|----|-----------------------------------|-----------------|-----|---|
| XSB11.13 | I | 0 | 30 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Grass field |
| XSB11.13 | II | 30 | 40 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil |
| XSB11.14 | I | 0 | 32 | 10YR 3/3, Dark Brown | Silty Clay | NCM | Oxidized |
| XSB11.14 | II | 32 | 42 | 10YR 5/2, Grayish Brown | Silty Clay | NCM | Oxidized sterile sub |
| XSB11.15 | I | 0 | 27 | 10YR 3/2, Very Dark Grayish Brown | Silty Clay | NCM | Oxidized |
| XSB11.15 | II | 27 | 37 | 10YR 6/2, Light Brownish Gray | Silty Clay | NCM | Oxidized sterile sub |
| XSB11.16 | I | 0 | 28 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Grass field few subrounded cobbles present |
| XSB11.16 | II | 28 | 38 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation sub angular gravel present |
| XSB11.17 | I | 0 | 40 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Grass field |
| XSB11.17 | II | 40 | 50 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil |
| XSB11.02 | I | 0 | 23 | 10YR 3/2, Very Dark Grayish Brown | Silty Clay | NCM | Oxidized |
| XSB11.02 | II | 23 | 33 | 10YR 6/4, Light Yellowish Brown | Sandy Clay | NCM | Sub angular gravel oxidized sterile sub |
| XWB-AR10.05 | I | 0 | 36 | 10YR 4/2, Dark Grayish Brown | Silty Clay Loam | NCM | Oxidized |
| XWB-AR10.05 | II | 36 | 46 | 10YR 5/4, Yellowish Brown | Silty Clay | NCM | Sub angular gravel and pebbles oxidized sterile sub |
| XWB-AR10.01 | I | 0 | 26 | 10YR 4/3, Brown | Silt Loam | NCM | None |

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| | | | | | | | |
|-------------|----|----|----|---------------------------------|-----------------|-----|---|
| XWB-AR10.01 | II | 26 | 36 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XWB-AR10.02 | I | 0 | 29 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XWB-AR10.02 | II | 29 | 39 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XWB-AR10.03 | I | 0 | 28 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XWB-AR10.03 | II | 28 | 38 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XWB-AR10.04 | I | 0 | 29 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XWB-AR10.04 | II | 29 | 39 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XWB-AR10.06 | I | 0 | 27 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |
| XWB-AR10.06 | II | 27 | 37 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation |
| XWB-AR10.07 | I | 0 | 31 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XWB-AR10.07 | II | 31 | 41 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation |
| XWB-AR10.08 | I | 0 | 26 | 10YR 4/3, Brown | Silty Clay Loam | NCM | Oxidized |
| XWB-AR10.08 | II | 26 | 36 | 10YR 5/4, Yellowish Brown | Silty Clay | NCM | Sub angular gravel oxidized sterile sub |
| XWB-AR10.09 | I | 0 | 30 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |
| XWB-AR10.09 | II | 30 | 40 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |
| XWB-AR11.01 | I | 0 | 32 | 10YR 3/3, Dark Brown | Silt Loam | NCM | |
| XWB-AR11.01 | II | 32 | 42 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |

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|-------------|-----|----|----|--------------------------------|-----------------|-----|------------------------------------|
| XWB-AR11.02 | I | 0 | 29 | 10YR 4/3, Brown | Silt Loam | NCM | Plowzone |
| XWB-AR11.02 | II | 29 | 39 | 10YR 6/2, Light Brownish Gray | Silty Clay Loam | NCM | Mg redox oxidized sterile sub |
| XWB-AR11.04 | I | 0 | 28 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XWB-AR11.04 | II | 28 | 38 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XWB-AR11.05 | I | 0 | 27 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XWB-AR11.05 | II | 27 | 37 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XWB-AR11.06 | I | 0 | 28 | 10YR 3/3, Dark Brown | Silt Loam | NCM | Hay field, mowed |
| XWB-AR11.06 | II | 28 | 43 | 10YR 5/3, Brown | Silty Clay Loam | NCM | Mixed with 10 YR 5/8 and 10 YR 6/2 |
| XWB-AR11.07 | I | 0 | 28 | 10YR 4/3, Brown | Silt Loam | NCM | Hay field, sod cap |
| XWB-AR11.07 | II | 28 | 42 | 10YR 5/8, Yellowish Brown | Silty Clay Loam | NCM | Mixed with 10 YR 6/2 |
| XWB-AR11.08 | I | 0 | 25 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XWB-AR11.08 | II | 25 | 35 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XWB-AR11.09 | I | 0 | 29 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XWB-AR11.09 | II | 29 | 39 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XWB-AR11.10 | I | 0 | 17 | 10YR 4/3, Brown | Silt Loam | NCM | Hay field |
| XWB-AR11.10 | II | 17 | 30 | 10YR 5/2, Grayish Brown | Silty Clay Loam | NCM | None |
| XWB-AR11.10 | III | 30 | 40 | 10YR 6/3, Pale Brown | Silt Loam | NCM | Sterile subsoil with oxidation |

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|-------------|-----|----|----|---------------------------------|-----------------|-----|--------------------------------|
| XWB-AR11.11 | I | 0 | 35 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Oxidized plowzone |
| XWB-AR11.11 | II | 35 | 45 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Mg redox oxidized sterile sub |
| XWB-AR11.12 | I | 0 | 36 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XWB-AR11.12 | II | 36 | 46 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XWB-AR11.13 | I | 0 | 42 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XWB-AR11.13 | II | 42 | 52 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XWB-AR11.14 | I | 0 | 28 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XWB-AR11.14 | II | 28 | 38 | 7.5YR 4/6, Strong Brown | Silty Clay Loam | NCM | None |
| XWB-AR11.15 | I | 0 | 17 | 10YR 4/3, Brown | Silt Loam | NCM | Hay field |
| XWB-AR11.15 | II | 17 | 28 | 10YR 5/2, Grayish Brown | Silty Clay Loam | NCM | None |
| XWB-AR11.15 | III | 28 | 38 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation |
| XWB-AR11.16 | I | 0 | 38 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XWB-AR11.16 | II | 38 | 48 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XWB-AR11.17 | I | 0 | 24 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | Plowzone |
| XWB-AR11.17 | II | 24 | 49 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Oxidized |
| XWB-AR11.17 | III | 49 | 59 | 10YR 6/2, Light Brownish Gray | Silty Clay Loam | NCM | Oxidized sterile sub |

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|-------------|-----|----|----|---------------------------------|-----------------|-----|--------------------------------|
| XWB-AR11.18 | I | 0 | 27 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XWB-AR11.18 | II | 27 | 37 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XWB-AR11.19 | I | 0 | 29 | 10YR 3/3, Dark Brown | Silt Loam | NCM | Hay field, sod cap |
| XWB-AR11.19 | II | 29 | 43 | 10YR 6/2, Light Brownish Gray | Silty Clay Loam | NCM | Mixed with 10/YR 5/6 |
| XWB-AR11.20 | I | 0 | 34 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XWB-AR11.20 | II | 34 | 44 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XWB-AR11.21 | I | 0 | 25 | 10YR 4/3, Brown | Silt Loam | NCM | Hay field |
| XWB-AR11.21 | II | 25 | 37 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XWB-AR11.21 | III | 37 | 47 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |
| XWB-AR11.22 | I | 0 | 28 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XWB-AR11.22 | II | 28 | 38 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XWB-AR11.23 | I | 0 | 37 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XWB-AR11.23 | II | 37 | 47 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XWB-AR11.24 | I | 0 | 25 | 10YR 4/3, Brown | Silt Loam | NCM | Oxidized |
| XWB-AR11.24 | II | 25 | 35 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Oxidized sterile sub |
| XWB-AR11.25 | I | 0 | 29 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XWB-AR11.25 | II | 29 | 39 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |

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|-------------|----|----|----|---------------------------------|-----------------|-----|--|
| XWB-AR11.26 | I | 0 | 30 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XWB-AR11.26 | II | 30 | 40 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation |
| XWB-AR11.27 | I | 0 | 28 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XWB-AR11.27 | II | 28 | 38 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XWB-AR11.28 | I | 0 | 31 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XWB-AR11.28 | II | 31 | 41 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XWB-AR11.29 | I | 0 | 27 | 10YR 4/2, Dark Grayish Brown | Silty Clay Loam | NCM | Sub angular gravel |
| XWB-AR11.29 | II | 27 | 37 | 10YR 5/4, Yellowish Brown | Silty Clay | NCM | Sub rounded gravel oxidized sterile sub |
| XWB-AR11.30 | I | 0 | 26 | 10YR 4/3, Brown | Silt Loam | NCM | Weed field |
| XWB-AR11.30 | I | 0 | 30 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XWB-AR11.30 | II | 26 | 34 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | Many large cobbles |
| XWB-AR11.30 | II | 30 | 40 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XWB-AR11.31 | I | 0 | 24 | 10YR 3/3, Dark Brown | Silt Loam | NCM | Weed field |
| XWB-AR11.31 | II | 24 | 34 | 10YR 5/3, Brown | Silty Clay Loam | NCM | Mixed and mottled with 10YR 6/2, Light Brownish Gray and 10YR 5/8, Yellowish Brown |
| XWB-AR11.32 | I | 0 | 28 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XWB-AR11.32 | II | 28 | 38 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation |

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|-------------|----|----|----|---------------------------------|-----------------|-----|--|
| XWB-AR11.33 | I | 0 | 24 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XWB-AR11.33 | II | 24 | 34 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XWB-AR11.34 | I | 0 | 30 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XWB-AR11.34 | II | 30 | 40 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XWB-AR11.36 | I | 0 | 25 | 10YR 4/3, Brown | Silt Loam | NCM | White chalky substance 0-12 cmbs in S wall |
| XWB-AR11.36 | II | 25 | 36 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XWB-AR11.37 | I | 0 | 28 | 10YR 4/3, Brown | Silt Loam | NCM | Plowzone |
| XWB-AR11.37 | I | 0 | 28 | 10YR 4/3, Brown | Silt Loam | NCM | Plowzone |
| XWB-AR11.37 | II | 28 | 38 | 10YR 5/3, Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation |
| XWB-AR11.37 | II | 28 | 38 | 10YR 5/3, Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation |
| XWB-AR11.38 | I | 0 | 41 | 10YR 4/3, Brown | Silt Loam | NCM | Oxidized |
| XWB-AR11.38 | II | 41 | 51 | 10YR 6/4, Light Yellowish Brown | Silt Loam | NCM | Sub rounded cobbles sub angular gravel very rocky oxidized sterile sub |
| XWB-AR11.39 | I | 0 | 37 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XWB-AR11.39 | II | 37 | 47 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XWB-AR11.40 | I | 0 | 38 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XWB-AR11.40 | II | 38 | 48 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XWB-AR11.41 | I | 0 | 30 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |

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|-------------|----|----|----|---------------------------------|-----------------|-----|--|
| XWB-AR11.41 | II | 30 | 40 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation |
| XWB-AR11.42 | I | 0 | 27 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XWB-AR11.42 | II | 27 | 37 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XWB-AR11.43 | I | 0 | 30 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XWB-AR11.43 | II | 30 | 40 | 10YR 6/2, Light Brownish Gray | Silty Clay Loam | NCM | None |
| XWB-AR11.44 | I | 0 | 23 | 10YR 4/2, Dark Grayish Brown | Silty Clay Loam | NCM | Oxidized |
| XWB-AR11.44 | II | 23 | 33 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sub rounded pebbles oxidized sterile sub |
| XWB-AR11.45 | I | 0 | 30 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XWB-AR11.45 | II | 30 | 40 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XWB-AR11.46 | I | 0 | 48 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XWB-AR11.46 | II | 48 | 58 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XWB-AR11.47 | I | 0 | 30 | 10YR 4/3, Brown | Silt Loam | NCM | Weed field |
| XWB-AR11.47 | II | 30 | 42 | 10YR 6/2, Light Brownish Gray | Silty Clay Loam | NCM | Mottled with 10YR 5/8, Yellowish Brown |
| XWB-AR11.48 | I | 0 | 27 | 10YR 4/3, Brown | Silt Loam | NCM | Plowzone |
| XWB-AR11.48 | II | 27 | 37 | 10YR 5/3, Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation |
| XWB-AR11.49 | I | 0 | 32 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XWB-AR11.49 | II | 32 | 42 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |

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|-------------|-----|----|----|-----------------------------------|-----------------|-----|---|
| XWB-AR11.51 | I | 0 | 28 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XWB-AR11.51 | II | 28 | 51 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | Oxidized |
| XWB-AR11.51 | III | 51 | 61 | 10YR 6/2, Light Brownish Gray | Silty Clay | NCM | Sub rounded gravel oxidized sterile sub |
| XWB-AR6.01 | I | 0 | 17 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |
| XWB-AR6.01 | II | 17 | 50 | 10YR 4/4, Dark Yellowish Brown | Silty Clay Loam | NCM | None |
| XWB-AR6.01 | III | 50 | 60 | 10YR 6/4, Light Yellowish Brown | Silty Clay | NCM | Sterile subsoil |
| XWB-AR6.02 | I | 0 | 7 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XWB-AR6.02 | II | 7 | 37 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XWB-AR6.02 | III | 37 | 47 | 10YR 5/2, Grayish Brown | Silty Clay | NCM | Rounded cobbles sun angular gravel very rocky sterile sub |
| XWB-AR6.03 | I | 0 | 23 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XWB-AR6.03 | II | 23 | 33 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Oxidized sterile sub |
| XWB-AR6.04 | I | 0 | 27 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XWB-AR6.04 | II | 27 | 37 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Oxidized sterile sub |
| XWB-AR6.05 | I | 0 | 30 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XWB-AR6.05 | II | 30 | 40 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil |
| XWB-AR6.06 | I | 0 | 22 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | Oxidized |
| XWB-AR6.06 | II | 22 | 32 | 10YR 5/4, Yellowish Brown | Silty Clay | NCM | Oxidized sterile sub |

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|-------------------------|----|----|----|-----------------------------------|-----------------|--------------------|---|
| XWB-AR6.07 | I | 0 | 28 | 10YR 3/2, Very Dark Grayish Brown | Silty Clay | NCM | Oxidized |
| XWB-AR6.07 | II | 28 | 38 | 10YR 5/2, Grayish Brown | Silty Clay | NCM | Mg redox oxidized sterile sub |
| XWB-AR6.08 | I | 0 | 19 | 10YR 5/2, Grayish Brown | Silty Clay Loam | NCM | Oxidized |
| XWB-AR6.08 | II | 19 | 29 | 10YR 6/2, Light Brownish Gray | Silty Clay | NCM | Sub angular gravel oxidized sterile sub |
| XWB-AR6.09 | I | 0 | 49 | 10YR 3/4, Dark Yellowish Brown | Silt Loam | NCM | Mg Redox |
| XWB-AR6.09 | II | 49 | 59 | 10YR 5/4, Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |
| XWB-AR6.10 | I | 0 | 35 | 10YR 4/3, Brown | Silt Loam | PreContactContents | Oxidized |
| XWB-AR6.10 | II | 35 | 45 | 10YR 5/4, Yellowish Brown | Silty Clay | PreContactContents | Sub angular gravel oxidized sterile sub |
| XWB-AR6.10R.10R7.5N-15W | I | 0 | 39 | 10YR 3/2, Very Dark Grayish Brown | Silt Loam | NCM | Rock impasse, see photo log |
| XWB-AR6.10R15N | I | 0 | 26 | 10YR 4/2, Dark Grayish Brown | Silty Clay Loam | NCM | Oxidized small (1cm long) piece of charcoal |
| XWB-AR6.10R15N | II | 26 | 36 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Sub rounded cobbles sub angular gravel oxidized sterile sub |
| XWB-AR6.10R1S | I | 0 | 31 | 10YR 4/3, Brown | Silt Loam | PreContactContents | None |

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|------------------|----|----|----|---------------------------------|-----------------|--------------------|---|
| XWB-AR6.10R1S | II | 31 | 41 | 2.5Y 5/4, Light Olive Brown | Sandy Clay Loam | PreContactContents | None |
| XWB-AR6.10R1W | I | 0 | 22 | 10YR 4/3, Brown | Silt Loam | PreContactContents | 2 flakes found in strat I |
| XWB-AR6.10R1W | II | 22 | 32 | 10YR 5/4, Yellowish Brown | Silty Clay | PreContactContents | Sterile subsoil with oxidation |
| XWB-AR6.10R22.5N | I | 0 | 29 | 10YR 4/3, Brown | Silt Loam | NCM | Oxidized |
| XWB-AR6.10R22.5N | II | 29 | 39 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sub angular gravel and cobbles oxidized sterile sub |
| XWB-AR6.10R22.5S | I | 0 | 29 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XWB-AR6.10R22.5S | II | 29 | 39 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XWB-AR6.10R3.7W | I | 0 | 25 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |
| XWB-AR6.10R3.7W | II | 25 | 35 | 10YR 5/4, Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |
| XWB-AR6.10R3E | I | 0 | 30 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XWB-AR6.10R3E | II | 30 | 40 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XWB-AR6.10R3N | I | 0 | 23 | 10YR 4/2, Dark Grayish Brown | Silty Clay Loam | PreContactContents | Oxidized |
| XWB-AR6.10R3N | II | 23 | 49 | 10YR 4/3, Brown | Silty Clay Loam | PreContactContents | Mg redox oxidized |

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|----------------------|-----|----|----|---------------------------------|-----------------|--------------------|---|
| XWB-AR6.10R3N | III | 49 | 59 | 10YR 6/4, Light Yellowish Brown | Silty Clay | PreContactContents | Sub angular gravel oxidized sterile sub |
| XWB-AR6.10R3S | I | 0 | 23 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | NCM | None |
| XWB-AR6.10R3S | II | 23 | 33 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XWB-AR6.10R7.5-7.5W | I | 0 | 27 | 10YR 5/2, Grayish Brown | Silty Clay Loam | NCM | Oxidized |
| XWB-AR6.10R7.5-7.5W | II | 27 | 37 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sub angular gravel oxidized sterile sub |
| XWB-AR6.10R7.5N15W | I | 0 | 42 | 10YR 5/2, Grayish Brown | Silty Clay Loam | NCM | Oxidized |
| XWB-AR6.10R7.5N15W | II | 42 | 52 | 10YR 6/1, Gray | Silty Clay Loam | NCM | Mg redox oxidized sterile sub |
| XWB-AR6.10R7.5S | I | 0 | 20 | 10YR 4/4, Dark Yellowish Brown | Silt Loam | PreContactContents | None |
| XWB-AR6.10R7.5S | II | 20 | 30 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | PreContactContents | None |
| XWB-AR6.10R7.5S-15E | I | 0 | 33 | 10YR 4/2, Dark Grayish Brown | Silt Loam | NCM | None |
| XWB-AR6.10R7.5S-15E | II | 33 | 43 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil |
| XWB-AR6.10R7.5S-7.5E | I | 0 | 25 | 10YR 4/3, Brown | Silt Loam | NCM | Subangular gravel present |

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|----------------------|----|----|----|---------------------------------|-----------------|--------------------|---|
| XWB-AR6.10R7.5S-7.5E | II | 25 | 35 | 10YR 5/4, Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |
| XWB-AR6.10R7.5W | I | 0 | 40 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XWB-AR6.10R7.5W | II | 40 | 55 | 10YR 3/4, Dark Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil with oxidation and Mg Redox Hydric soil |
| XWB-AR6.10r1e | I | 0 | 36 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XWB-AR6.10r1e | II | 36 | 46 | 10YR 5/4, Yellowish Brown | Silty Clay Loam | NCM | None |
| XWB-AR6.10r7.5n | I | 0 | 50 | 10YR 4/3, Brown | Silt Loam | PreContactContents | None |
| XWB-AR6.10r7.5n | II | 50 | 60 | 10YR 5/6, Yellow Brown | Silty Clay Loam | PreContactContents | None |
| XWB-AR6.10r7.5n-15E | I | 0 | 30 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XWB-AR6.10r7.5n-15E | II | 30 | 40 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XWB-AR6.10r7.5n-7.5e | I | 0 | 38 | 10YR 4/3, Brown | Silt Loam | NCM | Mottled w 10YR 5/4, Yellowish Brown silo |
| XWB-AR6.10r7.5n-7.5e | II | 38 | 48 | 10YR 5/6, Yellow Brown | Silty Clay Loam | NCM | None |
| XWB-AR6.12 | I | 0 | 24 | 10YR 4/3, Brown | Silt Loam | NCM | Subangular gravel present |
| XWB-AR6.12 | II | 24 | 34 | 10YR 6/4, Light Yellowish Brown | Silty Clay Loam | NCM | Sterile subsoil |
| XWB-AR6.13 | I | 0 | 26 | 10YR 4/3, Brown | Silt Loam | NCM | None |
| XWB-AR6.13 | II | 26 | 36 | 10YR 5/4, Yellowish Brown | Silty Clay | NCM | Sterile subsoil with oxidation |

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|-------------|-----|----|----|-----------------------------|-----------------|-----|------|
| XWN-AR11.50 | I | 0 | 25 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XWN-AR11.50 | II | 25 | 35 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XYLA7.27 | I | 0 | 23 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XYLA7.27 | II | 23 | 63 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XYLA7.27 | III | 63 | 73 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XYLA7.29 | I | 0 | 21 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XYLA7.29 | II | 21 | 38 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XYLA7.29 | III | 38 | 48 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XYLA7.30 | I | 0 | 26 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XYLA7.30 | II | 26 | 53 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XYLA7.30 | III | 53 | 63 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XYLA8.02 | I | 0 | 29 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XYLA8.02 | II | 29 | 39 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XYLA8.04 | I | 0 | 25 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XYLA8.04 | II | 25 | 35 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |

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|------------|-----|----|----|--|-----------------|-----|---|
| XJA1.06 | I | 0 | 49 | 10YR 5/4, Yellowish Brown | Silt Loam | NCM | None |
| XJA1.06 | II | 49 | 59 | 2.5Y 5/4, Light Olive Brown | Silty Clay Loam | NCM | None |
| XWB-AR6.11 | I | 0 | 23 | 10YR 4/3, Brown | Silt Loam | NCM | Oxidized |
| XWB-AR6.11 | II | 23 | 33 | 10YR 5/4, Yellowish Brown | Silty Clay | NCM | Sub angular gravel sterile sub |
| XAA4.06 | I | 0 | 42 | 10YR 3/3, Dark Brown | Silt Loam | NCM | None |
| XAA4.06 | II | 42 | 52 | 10YR 5/3, Brown | Silty Clay Loam | NCM | None |
| XQA1.01 | I | 0 | 8 | 10YR 2/1, Black, Black | Loam | NCM | |
| XQA1.01 | II | 8 | 25 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Loam | NCM | Pebbles throughout |
| XQA1.01 | III | 25 | 35 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Clay Loam | NCM | Slight color change; Highly compacted soil with high clay content |
| XQA1.02 | I | 0 | 23 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | Less than 1% pebble inclusions |
| XQA1.02 | II | 23 | 36 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | Less than 1% pebble inclusions |
| XQA1.03 | I | 0 | 14 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | |

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|---------|-----|----|----|--|-----------------|-----|--|
| XQA1.03 | II | 14 | 24 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XQA1.04 | I | 0 | 7 | 10YR 3/2, Very Dark Grayish Brown, Very Dark Grayish Brown | Silty Loam | NCM | 10% gravel inclusions |
| XQA1.04 | II | 7 | 13 | 10YR 5/1, Gray, Gray | Silty Loam | NCM | 10% gravel inclusions |
| XQA1.04 | III | 13 | 30 | 7.5YR 4/6, Strong Brown, Strong Brown | Silty Loam | NCM | 10% gravel inclusions |
| XQD1.01 | I | 0 | 22 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XQD1.01 | II | 22 | 32 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay | NCM | |
| XQD1.02 | I | 0 | 25 | 10YR 3/2, Very Dark Grayish Brown, Very Dark Grayish Brown | Silty Clay | NCM | STP located in cattle pasture; Less than 5% moist; 25% gravel inclusions |
| XQD1.02 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% moist; 25% gravel inclusions |
| XQD1.03 | I | 0 | 35 | 10YR 4/3, Brown, Brown | Clay Loam | NCM | 10% pebble inclusions; High compaction |
| XQD1.03 | II | 35 | 45 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Clay Loam | NCM | 20% pebble inclusions; High compaction |
| XQD1.04 | I | 0 | 33 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 5% pebble inclusions |

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|---------|----|----|----|--|--------------------|-----|---|
| XQD1.04 | II | 33 | 43 | 10YR 6/3, Pale Brown, Pale Brown | Sandy Clay | NCM | 10% pebble inclusions |
| XQD1.05 | I | 0 | 27 | 10YR 3/2, Very Dark Grayish Brown, Very Dark Grayish Brown | Silty Loam | NCM | STP located in active pasture; 70% rock inclusions starting at 10 cmbs |
| XQD1.05 | II | 27 | 37 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown Dark Yellowish Brown | Silty Clay Loam | NCM | 80% sandstone and slate inclusions |
| XQD1.06 | I | 0 | 24 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XQD1.06 | II | 24 | 34 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay | NCM | |
| XQD1.07 | I | 0 | 34 | 10YR 4/3, Brown, Brown | Clay Loam | NCM | 10% pebble inclusions; High compaction |
| XQD1.07 | II | 34 | 45 | 10YR 5/4, Yellowish Brown, Yellowish Brown with 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Clay Loam | NCM | 10% pebble inclusions; High compaction |
| XQD1.08 | I | 0 | 22 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XQD1.08 | II | 22 | 32 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay | NCM | |

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|---------|----|----|----|--|-----------------|-----|--|
| XQD1.09 | I | 0 | 30 | 10YR 3/2, Very Dark Grayish Brown, Very Dark Grayish Brown | Silty Clay | NCM | STP located in cattle pasture; Less than 5% moist; 10% pebble inclusions; Mottled soil **Binder 1 page 50 |
| XQD1.09 | II | 30 | 35 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Less than 5% moist; 25% gravel inclusions; Stopped due to rock impasse |
| XQD1.10 | I | 0 | 23 | 10YR 3/2, Very Dark Grayish Brown, Very Dark Grayish Brown | Silty Loam | NCM | STP located in active pasture; Very hydric and mottled soil |
| XQD1.10 | II | 23 | 33 | 10YR 5/2, Grayish Brown, Grayish Brown with 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | Very hydric and mottled subsoil |
| XQD1.12 | I | 0 | 33 | 10YR 4/3, Brown, Brown | Clay Loam | NCM | 10% pebble inclusions; Moderate compaction |
| XQD1.12 | II | 33 | 47 | 10YR 5/4, Yellowish Brown, Yellowish Brown with 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Clay Loam | NCM | 10% pebble inclusions; Moderate compaction |
| XQD1.13 | I | 0 | 15 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XQD1.13 | II | 15 | 25 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay | NCM | |
| XQD1.14 | I | 0 | 28 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | Modern glass not collected |

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|---------|----|----|----|--|------------|-----|--|
| XQD1.14 | II | 28 | 38 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay | NCM | |
| XQD1.15 | I | 0 | 22 | 10YR 4/3, Brown, Brown | Clay Loam | NCM | 5% pebble inclusions; Moderate compaction |
| XQD1.15 | II | 22 | 34 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | 5% pebble inclusions; Moderate compaction |
| XQD2.01 | I | 0 | 12 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | Less than 1% pebble inclusions and decaying wood |
| XQD2.01 | II | 12 | 22 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | Less than 1% pebble inclusions and decaying wood |
| XQD2.02 | I | 0 | 19 | 10YR 2/2, Very Dark Brown, Very Dark Brown | Silty Loam | NCM | |
| XQD2.02 | II | 19 | 29 | 10YR 5/2, Grayish Brown, Grayish Brown mottled with 10YR 4/5, | Clay Loam | NCM | Rock inclusions in subsoil |
| XQD2.03 | I | 0 | 29 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Clay Loam | NCM | 10% pebble inclusions with moderate compaction |
| XQD2.03 | II | 29 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown with 7.5R 5/6, Strong Brown | Clay Loam | NCM | 10% pebble inclusions with moderate compaction |

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|---------|----|----|----|--|------------|-----|---|
| XQD2.04 | I | 0 | 35 | 10YR 3/2, Very Dark Grayish Brown | Silty Clay | NCM | STP located in forested area; Moist 10%; 10% pebble and sheet rock inclusions |
| XQD2.04 | II | 35 | 45 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 10%; 10% pebble and sheet rock inclusions |
| XQD2.05 | I | 0 | 35 | 10YR 2/2, Very Dark Brown, Very Dark Brown | Silty Loam | NCM | |
| XQD2.05 | II | 35 | 45 | 10YR 5/2, Grayish Brown, Grayish Brown with 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Clay Loam | NCM | |
| XQD2.06 | I | 0 | 18 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 10% pebble inclusions |
| XQD2.06 | II | 18 | 30 | 10YR 6/4, Light Yellowish Brown, Light Yellowish Brown | Sandy Clay | NCM | 10% pebble inclusions |
| XQD2.07 | I | 0 | 30 | 10YR 2/2, Very Dark Brown, Very Dark Brown | Silty Loam | NCM | |

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| XQD2.07 | II | 30 | 40 | 10YR 5/2, Grayish Brown, Grayish Brown with 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown Dark Yellowish Brown | Clay Loam | NCM | |
| XQD2.08 | I | 0 | 35 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Clay Loam | NCM | 20% pebble and cobble inclusions with high compaction |
| XQD2.08 | II | 35 | 45 | 10YR 5/3, Brown, Brown with 7.5YR 5/4, Brown, Brown | Clay Loam | NCM | 20% pebble and cobble inclusions with high compaction |
| XQD2.09 | I | 0 | 32 | 10YR 3/2, Very Dark Grayish Brown, Very Dark Grayish Brown | Silty Loam | NCM | STP located at edge of plowed field; Gravel inclusions |
| XQD2.09 | II | 32 | 42 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown Dark Yellowish Brown | Silty Clay Loam | NCM | Gravel inclusions; Low clay content |
| XQD2.10 | I | 0 | 28 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Clay | NCM | 10% cobble and 20% pebble inclusions |
| XQD2.10 | II | 28 | 38 | 10YR 5/3, Brown, Brown | Silty Clay Loam | NCM | 10% cobble and 20% pebble inclusions |

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|-----------|----|----|----|--|------------|-----|---|
| XQD2.11 | I | 0 | 30 | 10YR 2/3, | Silty Clay | NCM | STP located near forest edge; Moist 10%; 10% pebble and sheet rock inclusions |
| XQD2.11 | II | 30 | 45 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 10%; 10% pebble and sheet rock inclusions |
| XQD2.11-A | I | 0 | 25 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% pebble inclusions **Full pdf page 82 |
| XQD2.11-A | II | 25 | 37 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Sandy Clay | NCM | 10% pebble inclusions |
| XQD2.12 | I | 0 | 29 | 10YR 2/2, Very Dark Brown, Very Dark Brown | Silty Loam | NCM | |
| XQD2.12 | II | 29 | 39 | 10YR 5/2, Grayish Brown, Grayish Brown with 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Clay Loam | NCM | |
| XQD2.13 | I | 0 | 46 | 7.5YR 4/4, Brown | Clay Loam | NCM | 25% pebble and cobble inclusions with high compaction |
| XQD2.13 | II | 46 | 60 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Clay Loam | NCM | 20% pebble and cobble inclusions with high compaction |
| XQD2.14 | I | 0 | 34 | 10YR 2/2, Very Dark Brown, Very Dark Brown | Silty Loam | NCM | |

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|---------|----|----|----|--|-----------------|-----|---|
| XQD2.14 | II | 34 | 44 | 10YR 5/2, Grayish Brown, Grayish Brown with 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Clay Loam | NCM | |
| XQD2.15 | I | 0 | 32 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% pebble inclusions |
| XQD2.15 | II | 32 | 43 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Sandy Clay | NCM | 10% pebble inclusions |
| XQD2.16 | I | 0 | 25 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Loam | NCM | Gravel, sandstone, and unmodified chert inclusions |
| XQD2.16 | II | 25 | 35 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | Gravel, sandstone, slate, and unmodified chert inclusions |
| XQD2.17 | I | 0 | 30 | 10YR 2/2, Very Dark Brown, Very Dark Brown | Silty Loam | NCM | |

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| XQD2.17 | II | 30 | 40 | 10YR 5/2, Grayish Brown, Grayish Brown with 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Clay Loam | NCM | |
| XQD2.18 | I | 0 | 35 | 10YR 3/2, Very Dark Grayish Brown | Silty Clay | NCM | STP located at forest edge; Less than 5% moist; 10% pebble and sheet rock inclusions |
| XQD2.18 | II | 35 | 45 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Less than 5% moist; 10% pebble and sheet rock inclusions |
| XQD2.19 | I | 0 | 23 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Clay Loam | NCM | 15% pebble and cobble inclusions with high compaction |
| XQD2.19 | II | 23 | 34 | 2.5YR 4/2, Weak Red | Clay Loam | NCM | 10% pebble and cobble inclusions with moderate compaction |
| XQD2.19 | III | 34 | 45 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay | NCM | 15% pebble and cobble inclusions with moderate compaction |
| XQD2.20 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XQD2.20 | II | 30 | 40 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay | NCM | |
| XQD2.21 | I | 0 | 30 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 1% cobble and 10% pebble inclusions |

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| XQD2.21 | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Sandy Clay | NCM | 1% cobble and 10% pebble inclusions |
| XQD2.22 | I | 0 | 15 | 10YR 3/2, Very Dark Grayish Brown | Silty Clay | NCM | STP located at forest edge; Less than 5% moist; 10% pebble and sheet rock inclusions |
| XQD2.22 | II | 15 | 25 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Less than 5% moist; 10% pebble and sheet rock inclusions |
| XQD2.23 | I | 0 | 36 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Clay Loam | NCM | 15% pebble inclusions with moderate compaction |
| XQD2.23 | II | 36 | 47 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay | NCM | 15% pebble inclusions with moderate compaction |
| XQD2.24 | I | 0 | 32 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 5% pebble inclusions with low compaction |
| XQD2.24 | II | 32 | 44 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay | NCM | 5% pebble inclusions with moderate compaction |
| XQD2.25 | I | 0 | 35 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XQD2.25 | II | 35 | 45 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay | NCM | |

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| XQD2.26 | I | 0 | 20 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Loam | NCM | STP located in middle of field; 50% gravel, sandstone, slate, and quartz inclusions |
| XQD2.26 | II | 20 | 30 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | High clay content; Rock impasse in southwest quadrant of STP |
| XQD2.27 | I | 0 | 35 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 20% pebble and cobble inclusions with moderate compaction |
| XQD2.27 | II | 35 | 45 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay | NCM | 20% pebble and cobble inclusions with moderate compaction |
| XQD2.28 | I | 0 | 15 | 10YR 3/2, Very Dark Grayish Brown | Silty Clay | NCM | Less than 5% moist; 10% pebble and sheet rock inclusions with compaction |
| XQD2.28 | II | 15 | 25 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | 10% pebble and sheet rock inclusions |
| XQD2.29 | I | 0 | 28 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XQD2.29 | II | 28 | 38 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay | NCM | |
| XQD2.30 | I | 0 | 20 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Loam | NCM | 70% gravel, slate, and sandstone inclusions |

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| XQD2.30 | II | 20 | 30 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 80% slate and sandstone inclusions |
| XQD2.31 | I | 0 | 19 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 5% pebble inclusions |
| XQD2.31 | II | 19 | 30 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Sandy Clay | NCM | 10% pebble inclusions |
| XQD2.32 | I | 0 | 20 | 10YR 3/2, Very Dark Grayish Brown | Silty Clay | NCM | STP located at forest edge; Less than 5% moist; 10% pebble and sheet rock inclusions |
| XQD2.32 | II | 20 | 30 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Less than 5% moist; 10% pebble and sheet rock inclusions |
| XQD2.33 | I | 0 | 30 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | 15% pebble and cobble inclusions with moderate compaction |
| XQD2.33 | II | 30 | 40 | 10YR 6/3, Pale Brown, Pale Brown | Silty Clay | NCM | 10% pebble and cobble inclusions with moderate compaction |
| XQD2.34 | I | 0 | 21 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XQD2.34 | II | 21 | 31 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay | NCM | |
| XQD2.35 | I | 0 | 31 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Clay | NCM | 10% pebble inclusions |

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| XQD2.35 | II | 31 | 42 | 10YR 6/4, Light Yellowish Brown, Light Yellowish Brown | Silty Clay | NCM | 10% pebble inclusions |
| XQD2.36 | I | 0 | 30 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Loam | NCM | Unmodified chert inclusions |
| XQD2.36 | II | 30 | 40 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | |
| XQD2.37 | I | 0 | 25 | 10YR 3/2, Very Dark Grayish Brown, | Silty Clay | NCM | STP located in tall grassy field; Less than 5% moist; 10% pebble and sheet rock inclusions |
| XQD2.37 | II | 25 | 26 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Less than 5% moist; 10% pebble and sheet rock inclusions; Stopped due to rock impasse |
| XQD2.38 | I | 0 | 36 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XQD2.38 | II | 36 | 46 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay | NCM | |
| XQD2.39 | I | 0 | 31 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | 20% pebble and cobble inclusions with moderate compaction |
| XQD2.39 | II | 31 | 44 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 25% pebble and cobble inclusions with moderate compaction |

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|---------|----|----|----|--|-----------------|-----|---|
| XQD2.40 | I | 0 | 32 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% pebble inclusions |
| XQD2.40 | II | 32 | 42 | 10YR 6/4, Light Yellowish Brown, Light Yellowish Brown | Silty Clay | NCM | 10% pebble inclusions |
| XQD2.41 | I | 0 | 21 | 10YR 3/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | STP located in plowd field; Rocks and unmodified chert throughout |
| XQD2.41 | II | 21 | 31 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | Rocks throughout |
| XQD2.42 | I | 0 | 29 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XQD2.42 | II | 29 | 39 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay | NCM | |
| XQD2.43 | I | 0 | 20 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 20% pebble inclusions |
| XQD2.43 | II | 20 | 30 | 10YR 6/4, Light Yellowish Brown, Light Yellowish Brown | Silty Clay | NCM | 20% pebble inclusions |

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|---------|----|----|----|--|-----------------|-----|---|
| XQD2.44 | I | 0 | 28 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XQD2.44 | II | 28 | 38 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay | NCM | |
| XQD2.45 | I | 0 | 33 | 10YR 3/2, Very Dark Grayish Brown, Very Dark Grayish Brown | Silty Clay Loam | NCM | 5% pebble inclusions with moderate compaction; Hydric soils and light oxidation |
| XQD2.45 | II | 33 | 47 | 10YR 3/1, Very Dark Grayish Brown, Very Dark Gray with 7.5YR 5/3, Brown, Brown | Silty Clay | NCM | Less than 5% pebble inclusions with moderate compaction; Hydric soils and light oxidation |
| XQD2.46 | I | 0 | 27 | 10YR 3/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | STP located next to fence |
| XQD2.46 | II | 27 | 37 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 80% rock inclusions |
| XQD2.47 | I | 0 | 19 | 10YR 3/3, Dark Brown, Dark Brown | Silty Clay Loam | NCM | 20% pebble and cobble inclusions with moderate compaction; Stopped due to rock impasse |
| XQD2.48 | I | 0 | 19 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% pebble inclusions |

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| XQD2.48 | II | 19 | 30 | 10YR 6/4, Light Yellowish Brown, Light Yellowish Brown | Sandy Clay | NCM | 10% pebble inclusions |
| XQD2.49 | I | 0 | 15 | 10YR 3/2, Very Dark Grayish Brown, Very Dark Grayish Brown | Silty Clay | NCM | STP located in tall grass; Less than 5% moist; 10% pebble inclusions |
| XQD2.49 | II | 15 | 25 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% moist; 20% gravel inclusions |
| XQD2.50 | I | 0 | 22 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XQD2.50 | II | 22 | 32 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay | NCM | |
| XQD2.51 | I | 0 | 37 | 10YR 3/2, Very Dark Grayish Brown, Very Dark Grayish Brown | Silty Loam | NCM | 15% rock inclusions |
| XQD2.51 | II | 37 | 47 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay Loam | NCM | 50% gravel inclusions |
| XQD2.52 | I | 0 | 57 | 10YR 3/2, Very Dark Grayish Brown, Very Dark Grayish Brown | Silty Clay Loam | NCM | 5% pebble inclusions with moderate compaction |
| XQD2.52 | II | 57 | 69 | 10YR 4/3, Brown, Brown | Silty Clay | NCM | Less than 5% pebble inclusions with moderate compaction |
| XQD2.53 | I | 0 | 100 | 10YR 3/2, Very Dark Grayish Brown, Very Dark Grayish Brown | Silty Clay | NCM | STP located in tall grass field; Less than 5% moist; 25% sandstone, slate, unmodified chert inclusions; 10% mottled soil |

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|---------|----|----|----|--|-----------------|-----|--|
| XQD2.54 | I | 0 | 86 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XQD2.54 | II | 86 | 96 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay | NCM | |
| XQD2.55 | I | 0 | 37 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | 10% pebble inclusions with high compaction |
| XQD2.55 | II | 37 | 49 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 10% pebble inclusions with high compaction |
| XQD2.56 | I | 0 | 36 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XQD2.56 | II | 36 | 46 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay | NCM | |
| XQD2.57 | I | 0 | 15 | 10YR 2/1, Black, Black | Silty Clay | NCM | STP located in cattle pasture; Less than 5% moist; 10% pebble inclusions with compact soil |
| XQD2.57 | II | 15 | 25 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% moist; 20% sandstone, slate, and unmodified chert inclusions |
| XQD2.58 | I | 0 | 25 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XQD2.58 | II | 25 | 35 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay | NCM | |
| XQD2.59 | I | 0 | 16 | 10YR 3/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 5% pebble inclusions |

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| XQD2.59 | II | 16 | 28 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Sandy Clay | NCM | 5% pebble inclusions |
| XQD2.60 | I | 0 | 17 | 10YR 3/2, Very Dark Grayish Brown, Very Dark Grayish Brown | Silty Clay Loam | NCM | 20% pebble inclusions; High compaction |
| XQD2.60 | II | 17 | 30 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | 20% pebble inclusions; High compaction |
| XQD2.61 | I | 0 | 10 | 10YR 3/2, Very Dark Grayish Brown, Very Dark Grayish Brown | Silty Loam | NCM | 40% rock inclusions |
| XQD2.61 | II | 10 | 20 | 10YR 5/2, Grayish Brown, Grayish Brown with 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown and 10YR 2/2, Very Dark Brown, Very Dark Brown | Silty Clay Loam | NCM | 60% rock inclusions; Subsoil heavily mottled. |
| XQD2.62 | I | 0 | 19 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | STP located near pond; Possible backfill from pond |
| XQD2.62 | II | 19 | 29 | 10YR 2/2, Very Dark Brown, Very Dark Brown | Silty Clay Loam | NCM | |
| XQD2.62 | III | 29 | 39 | 10YR 2/2, Very Dark Brown, Very Dark Brown | Silty Clay Loam | NCM | |

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| XQD2.63 | I | 0 | 28 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% pebble inclusions |
| XQD2.63 | II | 28 | 44 | 10YR 6/3, Pale Brown, Pale Brown | Sandy Clay | NCM | 10% pebble inclusions |
| XQD2.64 | I | 0 | 5 | 10YR 2/2, Very Dark Brown, Very Dark Brown | Loam | NCM | STP located near forest edge; Thick layer of organic material |
| XQD2.64 | II | 5 | 12 | 10YR 3/2, Very Dark Grayish Brown, Very Dark Grayish Brown | Silty Loam | NCM | 50% rock inclusions |
| XQD2.64 | II | 12 | 22 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 80% rock inclusions with one large cobble at the bottom of STP |
| XQD2.65 | I | 0 | 26 | 10YR 3/2, Very Dark Grayish Brown, Very Dark Grayish Brown | Clay Loam | NCM | 15% pebble inclusions; Moderate compaction |
| XQD2.65 | II | 26 | 37 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Clay Loam | NCM | 10% pebble inclusions; Moderate compaction |
| XQD2.66 | I | 0 | 20 | 10YR 2/1, Black, Black | Silty Clay | NCM | STP located on rose bush ridge; Less than 5% moist; 10% pebble and sheet rock inclusions |
| XQD2.66 | II | 20 | 30 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Less than 5% moist; 10% pebble and sheet rock inclusions |
| XQD2.67 | I | 0 | 20 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | 10% pebble inclusions |

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| XQD2.67 | II | 20 | 30 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay | NCM | 10% pebble inclusions |
| XEB-AR4.01 | I | 0 | 32 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | Sparse, small brick inclusions; Moderate compaction |
| XEB-AR4.01 | II | 32 | 44 | 10YR 4/1, Dark Gray, Dark Gray | Silty Clay Loam | NCM | Moderate compaction |
| XEB-AR4.02 | I | 0 | 25 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Sand | NCM | Moist 25% |
| XEB-AR4.02 | II | 25 | 50 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 25%; Gradual soil color change between Strats I and II; Brick fragments present (not collected) |
| XEB-AR4.03 | I | 0 | 23 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | |
| XEB-AR4.03 | II | 23 | 33 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XEB-AR4.04 | I | 0 | 26 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | 1 Ceramic Whiteware | 5% cobble and 10% pebble inclusions |
| XEB-AR4.04 | II | 26 | 39 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay | | 5% pebble inclusions |

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|------------|----|----|----|--|-----------------|-----|---|
| XEB-AR4.05 | I | 0 | 31 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Loam | NCM | STP offset approximately 3 meters due to large rubbish pile; Heavy gravel content |
| XEB-AR4.05 | II | 31 | 41 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | Heavy gravel content |
| XEB-AR4.06 | I | 0 | 27 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located next to large pushpile; 10% gravel inclusions |
| XEB-AR4.06 | II | 27 | 37 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Loam | NCM | 10% gravel inclusions |
| XEB-AR4.07 | I | 0 | 31 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | |
| XEB-AR4.07 | II | 31 | 41 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XEB-AR4.08 | I | 0 | 28 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 5% pebble and cobble inclusions; Moderate compaction |
| XEB-AR4.08 | II | 28 | 41 | 10YR 6/3, Pale Brown, Pale Brown with 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | Less than 5% pebble inclusions; Moderate compaction |
| XEB-AR4.09 | I | 0 | 28 | 10YR 5/3, Brown, Brown | Silty Loam | NCM | 10% cobble and pebble inclusions |

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| XEB-AR4.09 | II | 28 | 39 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay | NCM | 5% pebble and less than 1% cobble inclusions |
| XEB-AR4.10 | I | 0 | 15 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Sand | NCM | Moist 25% |
| XEB-AR4.10 | II | 15 | 30 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 50%; Mottled subsoil |
| XEB-AR4.11 | I | 0 | 28 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located neXt to large pushpile; 10% gravel inclusions |
| XEB-AR4.11 | II | 28 | 38 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Loam | NCM | 10% gravel inclusions |
| XEB-AR4.12 | I | 0 | 28 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Loam | NCM | STP located in agricultural field; Heavy gravel content |
| XEB-AR4.12 | II | 28 | 39 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | Heavy gravel content |
| XEB-AR4.13 | I | 0 | 26 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | |
| XEB-AR4.13 | II | 26 | 36 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XEB-AR4.14 | I | 0 | 20 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 5% pebble inclusions; Moderate compaction |

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| XEB-AR4.14 | II | 20 | 33 | 10YR 6/3, Pale Brown, Pale Brown with 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 5% pebble inclusions; Moderate compaction |
| XEB-AR4.15 | I | 0 | 28 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | |
| XEB-AR4.15 | II | 28 | 38 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XEB-AR4.16 | I | 0 | 25 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Sand | NCM | Moist 25% |
| XEB-AR4.16 | II | 25 | 45 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 25%; Mottled subsoil |
| XEB-AR4.17 | I | 0 | 25 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 10% pebble inclusions |
| XEB-AR4.17 | II | 25 | 35 | 10YR 6/4, Light Yellowish Brown, | Silty Clay | NCM | 10% pebble inclusions |
| XEB-AR4.18 | I | 0 | 27 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Loam | NCM | STP located in agricultural field |
| XEB-AR4.18 | II | 27 | 37 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | Heavy gravel content |

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|------------|----|----|----|--|-----------------|-----|---|
| XEB-AR4.19 | I | 0 | 29 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | Less than 5% pebble inclusions; Moderate compaction |
| XEB-AR4.19 | II | 29 | 42 | 10YR 5/4, Yellowish Brown, Yellowish Brown with 10YR 3/2, Very Dark Grayish Brown, | Silty Clay Loam | NCM | Less than 5% pebble inclusions; Moderate compaction |
| XEB-AR4.20 | I | 0 | 29 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | |
| XEB-AR4.20 | II | 29 | 39 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XEB-AR4.21 | I | 0 | 28 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located neXt to large pushpile; 10% gravel inclusions |
| XEB-AR4.21 | II | 28 | 38 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Loam | NCM | 10% gravel inclusions |
| XEB-AR4.22 | I | 0 | 31 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Loam | NCM | STP located in agricultural field |
| XEB-AR4.22 | II | 31 | 41 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCm | Heavy gravel content |
| XEB-AR4.23 | I | 0 | 20 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Sand | NCM | Moist 25% |
| XEB-AR4.23 | II | 20 | 45 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 50%; Stopped due to rock impasse |

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| XEB-AR4.24 | I | 0 | 32 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 10% pebble inclusions; moderate compaction |
| XEB-AR4.24 | II | 32 | 43 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 5% pebble inclusions; Moderate compaction |
| XEB-AR4.25 | I | 0 | 24 | 10YR 4/3, Brown, Brown | | | 10% gravel inclusions |
| XEB-AR4.25 | II | 24 | 32 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown with 10YR 5/8, Yellowish Brown, | | | Hydric soil; 10% gravel inclusions |
| XEB-AR4.25 | III | 32 | 42 | 10YR 5/4, Yellowish Brown, Yellowish Brown with 10YR 5/8, Yellowish Brown, | | | Hydric soil; 10% gravel inclusions |
| XEB-AR4.26 | I | 0 | 29 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Clay Loam | NCM | Large stone in 40% of STP; 15% pebble and 1% cobble inclusions |
| XEB-AR4.26 | II | 29 | 42 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Clay | NCM | Large stone in 40% of STP; 15% pebble inclusions |
| XEB-AR4.27 | I | 0 | 31 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | |

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|------------|----|----|----|---|--------------------|-----|--|
| XEB-AR4.27 | II | 31 | 41 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XEB-AR4.28 | I | 0 | 25 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Sand | NCM | Moist 25%; Sandstone inclusions throughout |
| XEB-AR4.28 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 25%; Mottled subsoil |
| XEB-AR4.29 | I | 0 | 25 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | Hydric and oXidized soil |
| XEB-AR4.29 | II | 25 | 35 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | High clay content |
| XEB-AR4.30 | I | 0 | 32 | 10YR 4/3, Brown, Brown BrownBrownwith 10YR 5/8, Yellowish Brown, | Silty Loam | NCM | Hydric soil; 10% gravel inclusions |
| XEB-AR4.30 | II | 32 | 42 | 10YR 5/4, Yellowish Brown, Yellowish Brown with 10YR 5/8, Yellowish Brown, | Silty Loam | NCM | Hydric soil; 10% gravel inclusions |
| XEB-AR4.31 | I | 0 | 26 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 15% pebble inclusions; Moderate compaction; Light oXidation |

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| XEB-AR4.31 | II | 26 | 39 | 10YR 5/4, Yellowish Brown, Yellowish Brown with 7.5YR 5/6, Stong Brown, | Silty Clay Loam | NCM | 20% pebble and cobble inclusions; Moderate compaction; Light oXidation |
| XEB-AR4.32 | I | 0 | 26 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | |
| XEB-AR4.32 | II | 26 | 36 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XEB-AR4.33 | I | 0 | 26 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 1% cobble and 10% pebble inclusions |
| XEB-AR4.33 | II | 26 | 39 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | 10% pebble inclusions |
| XEB-AR4.34 | I | 0 | 20 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Loam | NCM | Heavy sandstone and slate content |
| XEB-AR4.34 | II | 20 | 30 | 10YR 5/4, Yellowish Brown, Yellowish Brown with 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | Hydric soil; Heavy sandstone content |
| XEB-AR4.35 | I | 0 | 40 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Sand | NCM | Moist 25% |
| XEB-AR4.35 | II | 40 | 50 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 25%; Stopped due to rock impasse |

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| XEB-AR4.36 | I | 0 | 32 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | Light oXidation; 20% pebble inclusions; Moderate compaction |
| XEB-AR4.36 | II | 32 | 45 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | Light oXidation; 20% pebble inclusions; Moderate compaction |
| XEB-AR4.37 | I | 0 | 29 | 10YR 4/3, Brown, Brown BrownBrownwith 10YR 5/8, Yellowish Brown, | Silty Loam | NCM | Hydric soil; 10% gravel inclusions |
| XEB-AR4.37 | II | 29 | 39 | 10YR 5/4, Yellowish Brown, Yellowish Brown with 10YR 5/8, Yellowish Brown, | Silty Loam | NCM | Hydric soil; 10% gravel inclusions |
| XEB-AR4.38 | I | 0 | 28 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Clay Loam | NCM | 1% cobble and 10% pebble inclusions |
| XEB-AR4.38 | II | 28 | 38 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Sandy Clay | NCM | 10% pebble inclusions |
| XEB-AR4.39 | I | 0 | 26 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | |
| XEB-AR4.39 | II | 26 | 36 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |

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| XEB-AR4.40 | I | 0 | 25 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Sand | NCM | Moist 25% |
| XEB-AR4.40 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 25% |
| XEB-AR4.41 | I | 0 | 29 | 10YR 3/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 20% pebble inclusion; Moderate compaction |
| XEB-AR4.41 | II | 29 | 41 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 20% pebble inclusion; Moderate compaction |
| XEB-AR4.42 | I | 0 | 29 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 10% pebble inclusions; moderate compaction |
| XEB-AR4.42 | II | 29 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 10% pebble inclusions; moderate compaction |
| XEB-AR4.43 | I | 0 | 24 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | |
| XEB-AR4.43 | II | 24 | 34 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XEB-AR4.44 | I | 0 | 35 | 10YR 4/3, Brown, Brown BrownBrownwith 10YR 5/8, Yellowish Brown, | Silty Loam | NCM | Hydric soil; 10% gravel inclusions |

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| XEB-AR4.44 | II | 35 | 45 | 10YR 5/4, Yellowish Brown, Yellowish Brown with 10YR 5/8, Yellowish Brown, | Silty Loam | NCM | Hydric soil; 10% gravel inclusions |
| XEB-AR4.45 | I | 0 | 15 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 5% pebble inclusions |
| XEB-AR4.45 | II | 15 | 25 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay | NCM | 5% pebble inclusions |
| XEB-AR4.46 | I | 0 | 25 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | |
| XEB-AR4.46 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XEB-AR4.47 | I | 0 | 25 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | |
| XEB-AR4.47 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XEB-AR4.48 | I | 0 | 31 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 10% pebble inclusions; High compaction |
| XEB-AR4.48 | II | 31 | 42 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 10% pebble inclusions; High compaction |

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|------------|----|----|----|---|--------------------|------------------------|--|
| XEB-AR4.49 | I | 0 | 33 | 10YR 4/3, Brown, Brown BrownBrownwith 10YR 5/8, Yellowish Brown, | Silty Loam | NCM | Hydric soil; 10% gravel inclusions |
| XEB-AR4.49 | II | 33 | 43 | 10YR 5/4, Yellowish Brown, Yellowish Brown with 10YR 5/8, Yellowish Brown, | Silty Loam | NCM | Hydric soil; 10% gravel inclusions |
| XEB-AR4.50 | I | 0 | 32 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | |
| XEB-AR4.50 | II | 32 | 42 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XEB-AR4.51 | I | 0 | 29 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | 1 Ceramic Whiteware | 10% pebble inclusions |
| XEB-AR4.51 | II | 29 | 39 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | 10% pebble inclusions |
| XEB-AR4.52 | I | 0 | 31 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | Less than 5% pebble inclusions; Moderate compaction |
| XEB-AR4.52 | II | 31 | 41 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | Less than 5% pebble inclusions; Moderate compaction |

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| XEB-AR4.53 | I | 0 | 15 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Sand Clay | NCM | STP located in pasture; Less than 10% moist and less than 10% rock inclusions |
| XEB-AR4.53 | II | 15 | 30 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Less than 10% moist and less than 10% rock inclusions |
| XEB-AR4.54 | I | 0 | 30 | 10YR 4/3, Brown, Brown BrownBrownwith 10YR 5/8, Yellowish Brown, | Silty Loam | NCM | Hydric soil; 10% gravel inclusions |
| XEB-AR4.54 | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown with 10YR 5/8, Yellowish Brown, | Silty Loam | NCM | Hydric soil; 10% gravel inclusions |
| XEB-AR4.55 | I | 0 | 27 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | |
| XEB-AR4.55 | II | 27 | 37 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XEB-AR4.56 | I | 0 | 15 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Sand Clay | NCM | STP located in pasture; Less than 10% moist and less than 10% rock inclusions |
| XEB-AR4.56 | II | 15 | 35 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Less than 10% moist and less than 10% rock inclusions |

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| XEB-AR4.57 | I | 0 | 33 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 1% cobble and 10% pebble inclusions |
| XEB-AR4.57 | II | 33 | 44 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | 10% pebble inclusions |
| XEB-AR4.58 | I | 0 | 37 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 15% pebble inclusions; Moderate compaction |
| XEB-AR4.58 | II | 37 | 50 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 10% pebble inclusions; moderate compaction |
| XEB-AR4.59 | I | 0 | 35 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 5% pebble inclusions; Moderate compaction |
| XEB-AR4.59 | II | 35 | 45 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 5% pebble inclusions; Moderate compaction |
| XEB-AR4.60 | I | 0 | 30 | 10YR 4/3, Brown, Brown BrownBrownwith 10YR 5/8, Yellowish Brown, | Silty Loam | NCM | Hydric soil; 5-10% gravel inclusions |

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| XEB-AR4.60 | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown with 10YR 5/8, Yellowish Brown | Silty Loam | NCM | Hydric soil; 10-15% gravel inclusions |
| XEB-AR4.61 | I | 0 | 28 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | |
| XEB-AR4.61 | II | 28 | 38 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XEB-AR4.62 | I | 0 | 26 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | |
| XEB-AR4.62 | II | 26 | 36 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XEB-AR4.63 | I | 0 | 29 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 10% pebble inclusions |
| XEB-AR4.63 | II | 29 | 40 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | 10% pebble inclusions |
| XEB-AR4.64 | I | 0 | 15 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Sand Clay | NCM | STP located in pasture; Less than 10% moist and less than 10% rock inclusions |
| XEB-AR4.64 | II | 15 | 25 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Less than 10% moist and less than 10% rock inclusions |

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| XEB-AR4.65 | I | 0 | 32 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 5% pebble inclusions; Moderate compaction |
| XEB-AR4.65 | II | 32 | 44 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 5% pebble inclusions; Moderate compaction |
| XEB-AR4.66 | I | 0 | 29 | 10YR 4/3, Brown, Brown BrownBrownwith 10YR 5/8, Yellowish Brown, | Silty Loam | NCM | Hydric soil; 5-10% gravel inclusions |
| XEB-AR4.66 | II | 29 | 39 | 10YR 5/4, Yellowish Brown, Yellowish Brown with 10YR 5/8, Yellowish Brown | Silty Loam | NCM | Hydric soil; 10-15% gravel inclusions |
| XEB-AR4.67 | I | 0 | 30 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | |
| XEB-AR4.67 | II | 30 | 40 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XEB-AR4.68 | I | 0 | 20 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Sand Clay | NCM | STP located in pasture; Less than 10% moist and less than 10% rock inclusions |
| XEB-AR4.68 | II | 20 | 30 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Less than 10% moist and less than 10% rock inclusions |

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| XEB-AR4.69 | I | 0 | 30 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 5% cobble and 10% pebble inclusions |
| XEB-AR4.69 | II | 30 | 40 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | 5% cobble and 10% pebble inclusions |
| XEB-AR4.70 | I | 0 | 34 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 15% pebble and cobble inclusions; Moderate compaction |
| XEB-AR4.70 | II | 34 | 45 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 10% pebble inclusions; moderate compaction |
| XEB-AR4.71 | I | 0 | 30 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | |
| XEB-AR4.71 | II | 30 | 40 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XEB-AR4.72 | I | 0 | 35 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Sand Clay | NCM | STP located in pasture; Less than 10% moist and less than 10% rock inclusions |
| XEB-AR4.72 | II | 35 | 40 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Less than 10% moist and less than 10% rock inclusions |
| XEB-AR4.73 | I | 0 | 40 | 10YR 4/3, Brown, Brown BrownBrownwith 10YR 5/8, Yellowish Brown, | Silty Loam | NCM | Hydric soil; 5-10% gravel inclusions |

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|------------|----|----|----|---|-----------------|-----|---|
| XEB-AR4.73 | II | 40 | 50 | 10YR 5/4, Yellowish Brown, Yellowish Brown with 10YR 5/8, Yellowish Brown | Silty Loam | NCM | Hydric soil; 10-15% gravel inclusions |
| XEB-AR4.74 | I | 0 | 28 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 5% cobble and 10% pebble inclusions |
| XEB-AR4.74 | II | 28 | 39 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | 5% cobble and 10% pebble inclusions |
| XEB-AR4.75 | I | 0 | 38 | 10YR 3/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 15% pebble and cobble inclusions; Moderate compaction |
| XEB-AR4.75 | II | 38 | 51 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 15% pebble and cobble inclusions; Moderate compaction |
| XEB-AR4.76 | I | 0 | 51 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 10% pebble inclusions; moderate compaction |
| XEB-AR4.76 | II | 51 | 63 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 10% pebble inclusions; moderate compaction |
| XEB-AR4.77 | I | 0 | 29 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 5% cobble and 10% pebble inclusions |
| XEB-AR4.77 | II | 29 | 40 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | 5% cobble and 10% pebble inclusions |

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|------------|----|----|----|--|--------------------|-----|---|
| XEB-AR4.78 | I | 0 | 40 | 10YR 4/3, Brown, Brown Brown with 10YR 5/8, Yellowish Brown, | Silty Loam | NCM | Hydric soil; 5-10% gravel inclusions |
| XEB-AR4.78 | II | 40 | 50 | 10YR 5/4, Yellowish Brown, Yellowish Brown with 10YR 5/8, Yellowish Brown | Silty Loam | NCM | Hydric soil; 10-15% gravel inclusions |
| XEB-AR4.79 | I | 0 | 22 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | |
| XEB-AR4.79 | II | 22 | 32 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XEB-AR7.01 | I | 0 | 32 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Clay Loam | NCM | Hydric soils; High compaction; Less than 5% root inclusions |
| XEB-AR7.01 | II | 32 | 45 | 10YR 5/3, Brown, Brown | Clay | NCM | Light oXidation; High compaction |
| XEB-AR7.02 | I | 0 | 21 | 10YR 3/2, Very Dark Grayish Brown | Silty Clay | NCM | STP located along a tree line; Moist 15%; Less than 5% rock inclusions |
| XEB-AR7.02 | II | 21 | 31 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown Light Brownish Gray | Silty Clay Loam | NCM | 10% pebble inclusions |
| XEB-AR7.03 | I | 0 | 23 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | 10% pebble inclusions |

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|------------|----|----|----|--|-----------------|-----|--|
| XEB-AR7.03 | II | 23 | 33 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay | NCM | 10% pebble inclusions |
| XEB-AR7.04 | I | 0 | 14 | 10YR 3/3, Dark Brown, Dark Brown | Sandy Loam | NCM | |
| XEB-AR7.04 | II | 14 | 24 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown Dark Yellowish Brown | Sandy Clay Loam | NCM | |
| XEB-AR7.05 | I | 0 | 30 | 10YR 3/4, Dark Yellowish Brown, Dark Yellowish Brown with 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown Dark Yellowish Brown and 10YR 6/2, Light Brownish Gray, Light Grayish Brown Light Brownish Gray | Silty Loam | NCM | STP located in two-track road; Disturbed fill with 15% gravel inclusions and moderate compaction |
| XEB-AR7.05 | II | 30 | 40 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown Light Brownish Gray | Silty Clay Loam | NCM | Disturbed fill with 15% gravel inclusions and moderate compaction |
| XEB-AR7.06 | I | 0 | 5 | 10YR 3/2, Very Dark Grayish Brown | Silt | NCM | STP located in fern forest; Moist 15%; Less than 5% rock inclusions; Heavy organic material |

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|--------------|-----|----|----|--|-----------------|-----|---|
| XEB-AR7.06 | II | 5 | 50 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | Moist 15%; Less than 5% pebble inclusions |
| XEB-AR7.06 | III | 50 | 65 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | Moist 15%; Less than 5% rock inclusions |
| XEB-AR7.07 | I | 0 | 50 | 10YR 3/3, Dark Brown, Dark Brown | Sandy Loam | NCM | |
| XEB-AR7.07 | II | 50 | 60 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Clay Loam | NCM | |
| XEB-AR7.08 | I | 0 | 39 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 5% pebble and root inclusions with moderate compaction and light charcoal flecking **Full pdf page 35 |
| XEB-AR7.08 | II | 39 | 50 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay Loam | NCM | 5% pebble and root inclusions with moderate compaction and light charcoal flecking; OXidized subsoil |
| XEB-AR7.08-A | I | 0 | 14 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 5% pebble inclusions **Full pdf page 11 |
| XEB-AR7.08-A | II | 14 | 45 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | 10% pebble inclusions |
| XEB-AR7.08-A | III | 45 | 56 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 10% pebble inclusions |

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|------------|----|----|----|---|-----------------|-----|---|
| XEB-AR7.10 | I | 0 | 31 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 10% pebble inclusions with moderate compaction |
| XEB-AR7.10 | II | 31 | 43 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay Loam | NCM | 5% pebble inclusions with moderate compaction |
| XEB-AR7.11 | I | 0 | 20 | 10YR 3/3, Dark Brown, Dark Brown | Sandy Loam | NCM | |
| XEB-AR7.11 | II | 20 | 30 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown Dark Yellowish Brown | Sandy Clay Loam | NCM | |
| XEB-AR7.12 | I | 0 | 23 | 10YR 3/3, Dark Brown, Dark Brown | Silty Loam | NCM | STP adjacent to logging site |
| XEB-AR7.12 | II | 23 | 33 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown Dark Yellowish Brown | Silty Clay Loam | NCM | Pebbles and gravel throughout |
| XEB-AR7.13 | I | 0 | 25 | 10YR 3/2, Very Dark Grayish Brown | Sandy Clay | NCM | STP located in mowed open field; Less than 5% moist and 5% pebble and sheet rock inclusions |
| XEB-AR7.13 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | |

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|------------|----|----|----|---|-----------------|-----|---|
| XEB-AR7.14 | I | 0 | 22 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 5% pebble and 10% cobble inclusions |
| XEB-AR7.14 | II | 22 | 32 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 5% pebble inclusions |
| XEB-AR7.15 | I | 0 | 25 | 10YR 3/3, Dark Brown, Dark Brown | Sandy Loam | NCM | |
| XEB-AR7.15 | II | 25 | 35 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown Dark Yellowish Brown | Sandy Clay Loam | NCM | |
| XEB-AR7.16 | I | 0 | 29 | 10YR 3/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 10% pebble and 15% root inclusions with high compaction |
| XEB-AR7.16 | II | 29 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay | NCM | 10% pebble inclusions with high compaction |
| XEB-AR7.17 | I | 0 | 35 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 5% cobble and 10% pebble inclusions |
| XEB-AR7.17 | II | 35 | 46 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 10% pebble inclusions |

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|------------|----|----|----|---|-----------------|-----|---|
| XEB-AR7.18 | I | 0 | 29 | 10YR 3/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 5% pebble inclusions with high compaction |
| XEB-AR7.18 | II | 29 | 42 | 10YR 5/4, Yellowish Brown, Yellowish Brown with 7.5YR 5/6, Strong Brown, Strong Brown | Silty Clay Loam | NCM | 5% pebble inclusions with high compaction |
| XEB-AR7.19 | I | 0 | 32 | 10YR 3/3, Dark Brown, Dark Brown | Sandy Loam | NCM | |
| XEB-AR7.19 | II | 32 | 42 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown Dark Yellowish Brown | Sandy Clay Loam | NCM | |
| XEB-AR7.20 | I | 0 | 28 | 10YR 3/3, Dark Brown, Dark Brown | Silty Loam | NCM | STP located within maintained field; Heavy gravel content |
| XEB-AR7.20 | II | 28 | 38 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown Dark Yellowish Brown | Silty Clay Loam | NCM | Heavy gravel content |
| XEB-AR7.21 | I | 0 | 10 | 10YR 3/2, Very Dark Grayish Brown | Sandy Clay | NCM | STP located in mowed open field; 5% moist and less than 5% pebble and flake iron inclusions |
| XEB-AR7.21 | II | 10 | 25 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | Moist 5%; 15% pebble, cobble, and unmodified chert inclusions |
| XEB-AR7.22 | I | 0 | 29 | 10YR 3/3, Dark Brown, Dark Brown | Sandy Loam | NCM | |

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|------------|----|----|----|---|-----------------|-----|--|
| XEB-AR7.22 | II | 29 | 39 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown Dark Yellowish Brown | Sandy Clay Loam | NCM | |
| XEB-AR7.23 | I | 0 | 10 | 10YR 3/2, Very Dark Grayish Brown | Sandy Clay | NCM | STP located in mowed open field; 5% moist and less than 5% pebble inclusions |
| XEB-AR7.23 | II | 10 | 30 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | Moist 5%; Less than 5% pebble, sheet rock, and iron inclusions |
| XEB-AR7.24 | I | 0 | 34 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 5% cobble and 10% pebble inclusions |
| XEB-AR7.24 | II | 34 | 48 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Sandy Clay | NCM | 10% cobble inclusions |
| XEB-AR7.25 | I | 0 | 31 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 10% pebble inclusions with moderate compaction |
| XEB-AR7.25 | II | 31 | 44 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay Loam | NCM | 10% pebble inclusions with moderate compaction |
| XEB-AR7.26 | I | 0 | 24 | 10YR 3/3, Dark Brown, Dark Brown | Silty Loam | NCM | STP located in hay field |

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| XEB-AR7.26 | II | 24 | 34 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown Dark Yellowish Brown with 10YR 6/2, Light Brownish Gray, Light Grayish Brown Light Brownish Gray | Silty Clay Loam | NCM | Heavy rock content |
| XEB-AR7.27 | I | 0 | 5 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 25% pebble inclusions; Highly compacted |
| XEB-AR7.27 | II | 5 | 15 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 25% pebble inclusions; Highly compacted |
| XEB-AR7.28 | I | 0 | 10 | 10YR 3/2, Very Dark Grayish Brown | Silty Clay | NCM | STP located in mowed field neXt to large rocks; Moist 5%; 20% gravel and sheet rock inclusions |
| XEB-AR7.28 | II | 10 | 20 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | Moist 5%; 20% gravel and sheet rock inclusions |
| XEB-AR7.29 | I | 0 | 14 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | |
| XEB-AR7.29 | II | 14 | 24 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XEB-AR7.30 | I | 0 | 27 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 25% pebble and cobble inclusions; High compaction |

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|------------|----|----|----|---|-----------------|-----|---|
| XEB-AR7.30 | II | 27 | 37 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay Loam | NCM | |
| XEB-AR7.31 | I | 0 | 16 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown Dark Yellowish Brown | Silty Clay Loam | NCM | |
| XEB-AR7.31 | II | 16 | 26 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XEB-AR7.32 | I | 0 | 22 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 25% pebble and cobble inclusions; High compaction |
| XEB-AR7.32 | II | 22 | 32 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 25% pebble and cobble inclusions; High compaction |
| XEB-AR7.33 | I | 0 | 9 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 25% pebble inclusions; Highly compacted |
| XEB-AR7.33 | II | 9 | 20 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 25% pebble inclusions; Highly compacted |
| XEB-AR7.34 | I | 0 | 26 | 10YR 4/3, Brown, Brown | Sandy Clay Loam | NCM | |

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| XEB-AR7.34 | II | 26 | 36 | 10YR 5/2, Grayish Brown, Grayish Brown | Sandy Clay | NCM | |
| XEB-AR7.35 | I | 0 | 20 | 10YR 3/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 25% pebble and cobble inclusion; High compaction |
| XEB-AR7.35 | II | 20 | 30 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay Loam | NCM | 25% pebble and cobble inclusions; High compaction |
| XEB-AR7.36 | I | 0 | 7 | 10YR 3/3, Dark Brown, Dark Brown | Silty Loam | NCM | STP located in access corridor; Low soil depth |
| XEB-AR7.36 | II | 7 | 17 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay Loam | NCM | Heavy gravel content |
| XEB-AR7.37 | I | 0 | 12 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 25% pebble inclusions; Highly compacted |
| XEB-AR7.37 | II | 12 | 22 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown Dark Yellowish Brown | Sandy Clay | NCM | 25% pebble inclusions; Highly compacted |
| XEB-AR7.38 | I | 0 | 10 | 10YR 3/2, Very Dark Grayish Brown | Silty Clay | NCM | STP located in mowed field neXt to large rocks; Moist 5%; 20% gravel inclusions |
| XEB-AR7.38 | II | 10 | 20 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | Moist 5%; 20% gravel inclusions |

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|--------------|----|----|----|--|-----------------|-----|--|
| XEB-AR7.39 | I | 0 | 24 | 10YR 4/3, Brown, Brown | Sandy Clay Loam | NCM | |
| XEB-AR7.39 | II | 24 | 34 | 10YR 5/2, Grayish Brown, Grayish Brown | Sandy Clay | NCM | |
| XEB-AR7.41-A | I | 0 | 18 | 10YR 3/3, Dark Brown, Dark Brown | Silty Loam | NCM | STP located at the edge of a field **Full pdf page 19 |
| XEB-AR7.41-A | II | 18 | 28 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay Loam | | Mottled/oXidized subsoil |
| XEB-AR7.41 | I | 0 | 29 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 25% pebble and cobble inclusions; High compaction **Full pdf page 22 |
| XEB-AR7.41 | II | 29 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay Loam | NCM | 25% pebble and cobble inclusions; High compaction |
| XEB-AR7.42 | I | 0 | 19 | 10YR 4/3, Brown, Brown | Sandy Clay Loam | NCM | |
| XEB-AR7.42 | II | 19 | 29 | 10YR 5/2, Grayish Brown, Grayish Brown | Sandy Clay | NCM | |
| XEB-AR7.43 | I | 0 | 20 | 10YR 3/2, Very Dark Grayish Brown | Silty Clay | NCM | STP located in an open grass field; Moist 5%; 15% pebble and unmodified chert inclusions |
| XEB-AR7.43 | II | 20 | 30 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | Moist 5%; 15% pebble and unmodified chert inclusions |

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|------------|----|----|----|---|-----------------|-----|---|
| XEB-AR7.44 | I | 0 | 27 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 10% pebble inclusions with moderate compaction |
| XEB-AR7.44 | II | 27 | 37 | 10YR 5/4, Yellowish Brown, Yellowish Brown with 7.5YR 5/6, Strong Brown, Strong Brown | Silty Clay Loam | NCM | 10% pebble inclusions with moderate compaction |
| XEB-AR7.45 | I | 0 | 25 | 10YR 3/2, Very Dark Grayish Brown | Sandy Clay | NCM | STP located in plowed grass field; Moist 5%; 15% rock inclusions |
| XEB-AR7.45 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | Moist 5%; 15% rock inclusions |
| XEB-AR7.46 | I | 0 | 15 | 10YR 4/3, Brown, Brown | Sandy Clay Loam | NCM | |
| XEB-AR7.46 | II | 15 | 25 | 10YR 5/2, Grayish Brown, Grayish Brown | Sandy Clay | NCM | |
| XEB-AR7.47 | I | 0 | 15 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% pebble inclusions |
| XEB-AR7.47 | II | 15 | 26 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Sandy Clay | NCM | 10% pebble inclusions |
| XEB-AR7.48 | I | 0 | 18 | 10YR 3/3, Dark Brown, Dark Brown | Silty Loam | NCM | STP located in open unmowed field; OXidation and sandstone inclusions present |

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|------------|----|----|----|---|-----------------|-----|--|
| XEB-AR7.48 | II | 18 | 28 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay Loam | NCM | OXidized subsoil; Rock inclusions |
| XEB-AR7.49 | I | 0 | 31 | 10YR 3/2, Very Dark Grayish Brown, Very Dark Grayish Brown | Silty Clay Loam | NCM | 10% pebble inclusions with moderate compaction |
| XEB-AR7.49 | II | 31 | 42 | 10YR 5/4, Yellowish Brown, Yellowish Brown with 7.5YR 5/6, Strong Brown, Strong Brown | Silty Clay Loam | NCM | 10% pebble inclusions with moderate compaction |
| XEB-AR7.50 | I | 0 | 22 | 10YR 4/3, Brown, Brown | Sandy Clay Loam | NCM | |
| XEB-AR7.50 | II | 22 | 32 | 10YR 5/2, Grayish Brown, Grayish Brown | Sandy Clay | NCM | |
| XEB-AR7.51 | I | 0 | 19 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% pebble inclusions |
| XEB-AR7.51 | II | 19 | 29 | 10YR 5/4, Yellowish Brown, Yellowish Brown Dark Yellowish Brown | Sandy Clay | NCM | 10% pebble inclusions |
| XEB-AR7.52 | I | 0 | 25 | 10YR 3/2, Very Dark Grayish Brown | Sandy Clay | NCM | STP located in plowed grass field; Moist 5%; 15% rock inclusions |
| XEB-AR7.52 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | Moist 5%; 15% rock inclusions |

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| XEB-AR7.53 | I | 0 | 25 | 10YR 3/3, Dark Brown, Dark Brown | Silty Loam | NCM | STP located in open mowed field; 5-10% rock inclusions; OXidation present |
| XEB-AR7.53 | II | 25 | 35 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay Loam | NCM | OXidized subsoil |
| XEB-AR7.54 | I | 0 | 29 | 10YR 4/3, Brown, Brown | Sandy Clay Loam | NCM | |
| XEB-AR7.54 | II | 29 | 39 | 10YR 5/2, Grayish Brown, Grayish Brown | Sandy Clay | NCM | 1 modern nail near surface, no collected |
| XEB-AR7.55 | I | 0 | 39 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 15% pebble inclusions with moderate compaction |
| XEB-AR7.55 | II | 39 | 50 | 10YR 5/4, Yellowish Brown, Yellowish Brown with 7.5YR 5/6, Stong Brown, Strong Brown | Silty Clay Loam | NCM | 15% pebble inclusions with moderate compaction |
| XEB-AR7.56 | I | 0 | 20 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% pebble inclusions |
| XEB-AR7.56 | II | 20 | 30 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Sandy Clay | NCM | 10% pebble inclusions |
| XEB-AR7.57 | I | 0 | 29 | 10YR 3/3, Dark Brown, Dark Brown | Silty Loam | NCM | Rock inclusions |

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|------------|----|----|----|--|-----------------|-----|---|
| XEB-AR7.57 | II | 29 | 41 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay Loam | NCM | OXidation and rock inclusions present |
| XEB-AR7.58 | I | 0 | 21 | 10YR 4/3, Brown, Brown | Sandy Clay Loam | NCM | |
| XEB-AR7.58 | II | 21 | 31 | 10YR 5/2, Grayish Brown, Grayish Brown | Sandy Clay | NCM | |
| XEB-AR7.59 | I | 0 | 29 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 10% pebble and cobble inclusions with moderate compaction |
| XEB-AR7.59 | II | 29 | 41 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay Loam | NCM | 10% pebble and cobble inclusions with moderate compaction |
| XEB-AR7.60 | I | 0 | 22 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 15% pebble inclusions |
| XEB-AR7.60 | II | 22 | 33 | 10YR 6/3, Pale Brown, Pale Brown Pale Brown | Sandy Clay | NCM | 15% pebble inclusions |
| XEB-AR7.61 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Sandy Clay Loam | NCM | |
| XEB-AR7.61 | II | 30 | 40 | 10YR 5/2, Grayish Brown, Grayish Brown | Sandy Clay | NCM | |

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|------------|----|----|----|--|-----------------|-----|---|
| XEB-AR7.62 | I | 0 | 31 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 15% pebble and cobble inclusions with moderate compaction |
| XEB-AR7.62 | II | 31 | 44 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay Loam | NCM | 10% pebble and cobble inclusions with moderate compaction |
| XEB-AR7.63 | I | 0 | 30 | 10YR 3/3, Dark Brown, Dark Brown | Silty Loam | NCM | Slate inclusions |
| XEB-AR7.63 | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay Loam | NCM | OXidized subsoil; Rock inclusions |
| XEB-AR7.64 | I | 0 | 30 | 10YR 3/2, Very Dark Grayish Brown | Sandy Clay | NCM | STP located in plowed field; Moist 5%; 15% pebble and sheet rock inclusions |
| XEB-AR7.64 | II | 30 | 40 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | Moist 5%; 15% pebble and sheet rock inclusions |
| XEB-AR7.65 | I | 0 | 27 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 1% cobble and 15% pebble inclusions |
| XEB-AR7.65 | II | 27 | 37 | 10YR 6/3, Pale Brown, Pale Brown Pale Brown | Sandy Clay | NCM | 10% pebble inclusions |
| XEB-AR7.66 | I | 0 | 26 | 10YR 4/3, Brown, Brown | Sandy Clay Loam | NCM | |
| XEB-AR7.66 | II | 26 | 36 | 10YR 5/2, Grayish Brown, Grayish Brown | Sandy Clay | NCM | |

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|------------|----|----|----|--|-----------------|-----|---|
| XEB-AR7.67 | I | 0 | 32 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 10% pebble and cobble inclusions with moderate compaction |
| XEB-AR7.67 | II | 32 | 46 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay Loam | NCM | 10% pebble and cobble inclusions with moderate compaction |
| XEB-AR7.68 | I | 0 | 35 | 10YR 3/2, Very Dark Grayish Brown | Sandy Clay | NCM | STP located in plowed field; Moist 5%; 15% pebble and sheet rock inclusions |
| XEB-AR7.68 | II | 35 | 45 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | Moist 5%; 15% pebble and sheet rock inclusions |
| XEB-AR7.69 | I | 0 | 28 | 10YR 3/3, Dark Brown, Dark Brown | Silty Loam | NCM | STP located on edge of open mowed field; Rock inclusions |
| XEB-AR7.69 | II | 28 | 38 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay Loam | NCM | OXidized subsoil; Rock inclusions |
| XEB-AR7.70 | I | 0 | 28 | 10YR 4/3, Brown, Brown | Sandy Clay Loam | NCM | |
| XEB-AR7.70 | II | 28 | 38 | 10YR 5/2, Grayish Brown, Grayish Brown | Sandy Clay | NCM | |
| XEB-AR7.71 | I | 0 | 18 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 1% cobble and 10% pebble inclusions |
| XEB-AR7.71 | II | 18 | 29 | 10YR 6/3, Pale Brown, Pale Brown Pale Brown | Sandy Clay | NCM | 10% pebble inclusions |

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|------------|----|----|----|--|-----------------|-----|---|
| XEB-AR7.72 | I | 0 | 30 | 10YR 3/2, Very Dark Grayish Brown | Sandy Clay | NCM | STP located in plowed field; Moist 5%; 15% pebble and sheet rock inclusions; Compacted soil |
| XEB-AR7.72 | II | 30 | 40 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | Moist 5%; 15% pebble and sheet rock inclusions; Compacted subsoil |
| XEB-AR7.73 | I | 0 | 29 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 10% pebble inclusions with moderate compaction |
| XEB-AR7.73 | II | 29 | 39 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay Loam | NCM | 10% pebble inclusions with moderate compaction |
| XEB-AR7.74 | I | 0 | 24 | 10YR 4/3, Brown, Brown | Sandy Clay Loam | NCM | |
| XEB-AR7.74 | II | 24 | 36 | 10YR 5/2, Grayish Brown, Grayish Brown | Sandy Clay | NCM | |
| XEB-AR7.75 | I | 0 | 24 | 10YR 3/3, Dark Brown, Dark Brown | Silty Loam | NCM | STP located on edge of open mowed field; OXidation present; Rock inclusions |
| XEB-AR7.75 | II | 24 | 34 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay Loam | NCM | |
| XEB-AR7.76 | I | 0 | 32 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 10% pebble inclusions with moderate compaction |

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|------------|----|----|----|--|-----------------|-----|---|
| XEB-AR7.76 | II | 32 | 45 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay Loam | NCM | 10% pebble inclusions with moderate compaction |
| XEB-AR7.77 | I | 0 | 26 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 1% cobble and 10% pebble inclusions |
| XEB-AR7.77 | II | 26 | 37 | 10YR 6/3, Pale Brown, Pale Brown Pale Brown | Sandy Clay | NCM | 10% pebble inclusions |
| XEB-AR7.78 | I | 0 | 36 | 10YR 3/2, Very Dark Grayish Brown | Sandy Clay | NCM | STP located in plowed field near a road; Moist 5%; 15% pebble and sheet rock inclusions; Compacted soil |
| XEB-AR7.78 | II | 36 | 46 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | Moist 5%; 15% pebble and sheet rock inclusions; Compacted subsoil |
| XEB-AR7.79 | I | 0 | 24 | 10YR 4/3, Brown, Brown | Sandy Clay Loam | NCM | |
| XEB-AR7.79 | II | 24 | 34 | 10YR 5/2, Grayish Brown, Grayish Brown | Sandy Clay | NCM | |
| XEB-AR7.80 | I | 0 | 40 | 10YR 3/2, Very Dark Grayish Brown | Sandy Clay | NCM | STP located in plowed field near a road; Moist 15%; Less than 5% pebble and sheet rock inclusions; Compacted soil |
| XEB-AR7.80 | II | 40 | 50 | 10YR 5/3, Brown, BrownBrown | Sandy Clay | NCM | Moist 15%; Less than 5% pebble and sheet rock inclusions; Compacted subsoil |
| XEB-AR7.81 | I | 0 | 23 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 1% cobble and 10% pebble inclusions |

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|------------|----|----|----|--|--------------------|-----|---|
| XEB-AR7.81 | II | 23 | 33 | 10YR 6/3, Pale Brown, Pale Brown Pale Brown | Sandy Clay | NCM | 10% pebble inclusions |
| XEB-AR7.82 | I | 0 | 31 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 10% pebble inclusions with moderate compaction |
| XEB-AR7.82 | II | 31 | 41 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay Loam | NCM | 10% pebble inclusions with moderate compaction |
| XEB-AR7.83 | I | 0 | 26 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | Charcoal present |
| XEB-AR7.83 | II | 26 | 36 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay | NCM | |
| XEB-AR7.84 | I | 0 | 27 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 1% cobble and 10% pebble inclusions |
| XEB-AR7.84 | II | 27 | 39 | 10YR 6/3, Pale Brown, Pale Brown Pale Brown | Sandy Clay | NCM | 10% pebble inclusions |
| XEB-AR7.85 | I | 0 | 20 | 10YR 3/3, Dark Brown, Dark Brown | Silty Loam | NCM | STP located neXt to road; OXidation and gravel present |
| XEB-AR7.85 | II | 20 | 30 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay Loam | NCM | OXidized subsoil and gravel present |

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| XEB-AR7.85 | I | 0 | 20 | 10YR 3/3, Dark Brown, Dark Brown | Silty Loam | NCM | STP located adjacent to road; OXidation and gravel present |
| XEB-AR7.85 | II | 20 | 30 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay Loam | NCM | OXidized subsoil; Gravel present |
| XEB-AR7.87 | I | 0 | 28 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 10% cobble inclusions with moderate compaction |
| XEB-AR7.87 | II | 28 | 38 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay Loam | NCM | 5% cobble inclusions with moderate compaction |
| XEB-AR7.88 | I | 0 | 24 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | **Full pdf page 26 |
| XEB-AR7.88 | II | 24 | 34 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay | NCM | |
| XEB-AR7.88-A | I | 0 | 28 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Clay | NCM | Disturbed soil **Full pdf page 12 |
| XEB-AR7.88-A | II | 28 | 39 | 10YR 6/3, Pale Brown, Pale Brown Pale Brown | Sandy Clay | NCM | 10% pebble inclusions |
| XEB-AR7.89 | I | 0 | 25 | 10YR 3/3, Dark Brown, Dark Brown | Silty Loam | NCM | STP located in wildflower field and photogaphed |

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|------------|----|----|----|--|-----------------|-----|---|
| XEB-AR7.89 | II | 25 | 35 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay Loam | NCM | NCM; OXidized subsoil; Slate and sandstone gravel present |
| XEB-AR7.90 | I | 0 | 5 | 10YR 3/2, Very Dark Grayish Brown | Sandy Clay | NCM | STP located in plowed field; Moist 15%; Less than 5% pebble and sheet rock inclusions; Compacted soil |
| XEB-AR7.90 | II | 5 | 15 | 10YR 3/3, Dark Brown, Dark Brown | Sandy Clay | NCM | Moist 15%; Less than 5% pebble and sheet rock inclusions; Compacted subsoil |
| XEB-AR7.91 | I | 0 | 26 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XEB-AR7.91 | II | 26 | 36 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay | NCM | |
| XEB-AR7.92 | I | 0 | 29 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | 15% pebble and cobble inclusions with moderate compaction; OXidation present |
| XEB-AR7.92 | II | 29 | 40 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | 15% pebble and cobble inclusions with moderate compaction; OXidized subsoil |
| XEB-AR7.93 | I | 0 | 25 | 10YR 3/2, Very Dark Grayish Brown | Sandy Clay | NCM | STP located in plowed field; Moist 15%; Less than 5% rock inclusions; OXidation present |
| XEB-AR7.93 | II | 25 | 35 | 10YR 3/3, Dark Brown, Dark Brown | Sandy Clay | NCM | Moist 15%; Less than 5% rock inclusions; OXidized subsoil |
| XEB-AR7.94 | I | 0 | 27 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XEB-AR7.94 | II | 27 | 37 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay | NCM | |

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|------------|----|----|----|--|-----------------|-----|--|
| XEB-AR7.95 | I | 0 | 26 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 1% cobble and 10% pebble inclusions |
| XEB-AR7.95 | II | 26 | 36 | 10YR 6/3, Pale Brown, Pale Brown Pale Brown | Sandy Clay | NCM | 1% cobble and 10% pebble inclusions |
| XEB-AR7.96 | I | 0 | 39 | 10YR 3/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 10% pebble inclusions with moderate compaction |
| XEB-AR7.96 | II | 39 | 51 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay Loam | NCM | 10% pebble inclusions with moderate compaction |
| XEB-AR7.97 | I | 0 | 18 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 1% cobble and 10% pebble inclusions |
| XEB-AR7.97 | II | 18 | 30 | 10YR 6/3, Pale Brown, Pale Brown Pale Brown | Sandy Clay | NCM | 1% cobble and 10% pebble inclusions |
| XEB-AR7.98 | I | 0 | 20 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XEB-AR7.98 | II | 20 | 30 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay | NCM | |
| XEB-AR7.99 | I | 0 | 35 | 10YR 3/2, Very Dark Grayish Brown | Sandy Clay | NCM | STP located in plowed field; Moist 5% |

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| XEB-AR7.99 | II | 35 | 45 | 10YR 3/3, Dark Brown, Dark Brown | Sandy Clay | NCM | |
| XEB-AR7.100 | I | 0 | 30 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 15% pebble and cobble inclusions with moderate compaction |
| XEB-AR7.100 | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay Loam | NCM | 15% pebble and cobble inclusions with moderate compaction; OXidized subsoil |
| XEB-AR7.101 | I | 0 | 30 | 10YR 3/3, Dark Brown, Dark Brown | Silty Loam | NCM | STP located in wildflower field; OXidation and gravel present |
| XEB-AR7.101 | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay Loam | NCM | OXidized subsoil and gravel present |
| XEB-AR7.102 | I | 0 | 26 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 1% cobble and 10% pebble inclusions |
| XEB-AR7.102 | II | 26 | 36 | 10YR 6/3, Pale Brown, Pale Brown Pale Brown | Sandy Clay | NCM | 1% cobble and 10% pebble inclusions |
| XEB-AR7.103 | I | 0 | 32 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XEB-AR7.103 | II | 32 | 42 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay | NCM | |
| XEB-AR7.104 | I | 0 | 40 | 10YR 3/2, Very Dark Grayish Brown | Sandy Clay | NCM | STP located in plowed field; Moist 5%; Compacted soil |

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| XEB-AR7.104 | II | 40 | 50 | 10YR 3/3, Dark Brown, Dark Brown | Sandy Clay | NCM | Moist 5%; Compacted subsoil |
| XEB-AR7.105 | I | 0 | 31 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 10% pebble inclusions with moderate compaction; Sparse brick fragments present |
| XEB-AR7.105 | II | 31 | 46 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay Loam | NCM | 10% pebble inclusions with moderate compaction |
| XEB-AR7.106 | I | 0 | 25 | 10YR 3/3, Dark Brown, Dark Brown | Silty Loam | NCM | STP located in wildflower field; OXidation and gravel present |
| XEB-AR7.106 | II | 25 | 35 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay Loam | NCM | OXidized subsoil and gravel present |
| XEB-AR7.107 | I | 0 | 29 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% pebble inclusions |
| XEB-AR7.107 | II | 29 | 40 | 10YR 6/3, Pale Brown, Pale Brown Pale Brown | Sandy Clay | NCM | 10% pebble inclusions |
| XEB-AR7.108 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XEB-AR7.108 | II | 30 | 40 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay | NCM | |

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|---------------|----|----|----|--|-----------------|-----|---|
| XEB-AR7.110 | I | 0 | 30 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 15% pebble and cobble inclusions with moderate compaction **Full pdf page 21 |
| XEB-AR7.110 | II | 30 | 43 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay Loam | NCM | 15% pebble and cobble inclusions with moderate compaction |
| XEB-AR7.110-A | I | 0 | 25 | 10YR 3/2, Very Dark Grayish Brown | Sandy Clay | NCM | STP located in plowed field; Moist 5%; Less than 5% pebble and sheet rock inclusions; Compacted soil **Full pdf page 25 |
| XEB-AR7.110-A | II | 25 | 40 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | Moist 5%; Less than 5% pebble and sheet rock inclusions; Compacted subsoil; Stopped due to rock impasse. |
| XEB-AR7.111 | I | 0 | 24 | 10YR 3/3, Dark Brown, Dark Brown | Silty Loam | NCM | STP located in wildflower field; OXidation and gravel present |
| XEB-AR7.111 | II | 24 | 36 | 10YR 5/4, Yellowish Brown, Yellowish Brown Yellowish Brown | Silty Clay Loam | NCM | OXidized subsoil and gravel present |
| XEB-AR7.112 | I | 0 | 22 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 1% cobble and 10% pebble inclusions |
| XEB-AR7.112 | II | 22 | 32 | 10YR 6/4, Light Yellowish Brown, Light Yellowish Brown | Sandy Clay | NCM | 1% cobble and 10% pebble inclusions |

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| XEB-AR7.113 | I | 0 | 29 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XEB-AR7.113 | II | 29 | 39 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay | NCM | |
| XEB-AR7.115 | I | 0 | 30 | 10YR 3/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 10% pebble and cobble inclusions with moderate compaction **Full pdf page 21 |
| XEB-AR7.115 | II | 30 | 41 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 10% pebble and cobble inclusions with moderate compaction |
| XEB-AR7.115-A | I | 0 | 18 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | **Full pdf page 31 |
| XEB-AR7.115-A | II | 18 | 28 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay | NCM | |
| XEB-AR7.116 | I | 0 | 15 | 10YR 3/2, Very Dark Grayish Brown | Sandy Clay | NCM | STP located in plowed field; Moist 5%; Less than 5% pebble and sheet rock inclusions |
| XEB-AR7.116 | II | 15 | 35 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | Moist 5%; Less than 5% pebble and sheet rock inclusions; Stopped due to rock impasse |
| XEB-AR7.117 | I | 0 | 35 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XEB-AR7.117 | II | 35 | 45 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay | NCM | |

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| XEB-AR7.118 | I | 0 | 31 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XEB-AR7.118 | II | 31 | 41 | 10YR 5/2, Grayish Brown, Grayish Brown | Silty Clay | NCM | |
| XEB-AR7.119 | I | 0 | 26 | 10YR 3/3, Dark Brown, Dark Brown | Silty Loam | NCM | STP located in mowed area near edge of field; Slate present |
| XEB-AR7.119 | II | 26 | 36 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown Dark Yellowish Brown | Silty Clay Loam | NCM | Some sand throughout; Subsoil more red than other STPs |
| XEB-AR7.120 | I | 0 | 33 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Clay | NCM | Disturbed soil; 10% cobble and 20% pebble inclusions |
| XEB-AR7.120 | II | 33 | 43 | 10YR 6/6, Brownish Yellow, Brownish Yellow | Clay | NCM | 10% pebble inclusions |
| XEB-AR7.121 | I | 0 | 15 | 10YR 3/2, Very Dark Grayish Brown | Sandy Clay | NCM | Moist 10%; Less than 5% pebble and sheet rock inclusions |
| XEB-AR7.121 | II | 15 | 35 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | Moist 5%; Less than 5% pebble and sheet rock inclusions; Nail and brick present; Stopped due to rock impasse |
| XWB-AR8.01 | I | 0 | 25 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 20% root and 10% pebble and cobble inclusions; Moderate compaction |

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| XWB-AR8.01 | II | 25 | 35 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 15% root and 10% pebble and cobble inclusions; Moderate compaction |
| XWB-AR8.02 | I | 0 | 51 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 20% rock inclusions |
| XWB-AR8.02 | II | 51 | 61 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | 30% rock inclusions |
| XWB-AR8.03 | I | 0 | 35 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located along fence line; Less than 5% pebble inclusions |
| XWB-AR8.03 | II | 35 | 45 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Less than 5% pebble inclusions |
| XWB-AR8.04 | I | 0 | 20 | 10YR 3/3, Dark Brown, Brown | Silty Loam | NCM | STP located at edge of field; 30-40% rock inclusions |
| XWB-AR8.04 | II | 20 | 30 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | |
| XWB-AR8.05 | I | 0 | 31 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XWB-AR8.05 | II | 31 | 41 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XWB-AR8.06 | I | 0 | 25 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located along fence line; Less than 5% pebble inclusions |
| XWB-AR8.06 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Less than 5% pebble inclusions |
| XWB-AR8.07 | I | 0 | 22 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |

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| XWB-AR8.07 | II | 22 | 32 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XWB-AR8.08 | I | 0 | 33 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 10% pebble and cobble inclusions; Moderate compaction |
| XWB-AR8.08 | II | 33 | 45 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | 15% pebble and cobble inclusions; Moderate compaction |
| XWB-AR8.09 | I | 0 | 33 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 10% pebble and cobble inclusions; Moderate compaction |
| XWB-AR8.09 | II | 33 | 45 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | 15% pebble and cobble inclusions; Moderate compaction |
| XWB-AR8.10 | I | 0 | 26 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 20% rock inclusions |
| XWB-AR8.10 | II | 26 | 36 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | 30% rock inclusions |
| XWB-AR8.11 | I | 0 | 32 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 20% rock inclusions |
| XWB-AR8.11 | II | 32 | 42 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | 30% rock inclusions |

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|------------|----|----|----|--|-----------------|-----|--|
| XWB-AR8.12 | I | 0 | 35 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in grass field; Less than 5% pebble inclusions |
| XWB-AR8.12 | II | 35 | 45 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XWB-AR8.13 | I | 0 | 19 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XWB-AR8.13 | II | 19 | 29 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XWB-AR8.14 | I | 0 | 25 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | 30-40% rock inclusions |
| XWB-AR8.14 | II | 25 | 35 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | |
| XWB-AR8.15 | I | 0 | 33 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 10% pebble and cobble inclusions; Moderate compaction |
| XWB-AR8.15 | II | 33 | 45 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | 15% pebble and cobble inclusions; Moderate compaction |
| XWB-AR8.16 | I | 0 | 20 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 20% rock inclusions |
| XWB-AR8.16 | II | 20 | 30 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | 30% rock inclusions |
| XWB-AR8.17 | I | 0 | 25 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in grass field; Less than 5% pebble inclusions |

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| | | | | | | | |
|------------|----|----|----|--|--------------------|-----|---|
| XWB-AR8.17 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XWB-AR8.18 | I | 0 | 23 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XWB-AR8.18 | II | 23 | 33 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XWB-AR8.19 | I | 0 | 30 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | 30-40% rock inclusions |
| XWB-AR8.19 | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | |
| XWB-AR8.20 | I | 0 | 25 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in grass field; Less than 5% pebble inclusions |
| XWB-AR8.20 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XWB-AR8.21 | I | 0 | 31 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 20% rock inclusions |
| XWB-AR8.21 | II | 31 | 41 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | 30% rock inclusions |
| XWB-AR8.22 | I | 0 | 28 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in grass field; Less than 5% pebble inclusions |
| XWB-AR8.22 | II | 28 | 38 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XWB-AR8.23 | I | 0 | 19 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |

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|------------|----|----|----|--|-----------------|-----|--|
| XWB-AR8.23 | II | 19 | 29 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XWB-AR8.24 | I | 0 | 23 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | 30-40% rock inclusions |
| XWB-AR8.24 | II | 23 | 33 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | |
| XWB-AR8.25 | I | 0 | 25 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in two track; Less than 5% pebble inclusions |
| XWB-AR8.25 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XWB-AR8.26 | I | 0 | 33 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 20% rock inclusions |
| XWB-AR8.26 | II | 33 | 43 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | 30% rock inclusions |
| XWB-AR8.27 | I | 0 | 42 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 10% pebble and 5% root inclusions; Moderate compaction |
| XWB-AR8.27 | II | 42 | 54 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | 10% pebble inclusions; Moderate compaction |
| XWB-AR8.28 | I | 0 | 31 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XWB-AR8.28 | II | 31 | 41 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Loam | NCM | |

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|------------|----|----|----|--|-----------------|-----|--|
| XWB-AR8.29 | I | 0 | 30 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | 30-40% rock inclusions |
| XWB-AR8.29 | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | |
| XWB-AR8.30 | I | 0 | 30 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in two track; Less than 5% pebble inclusions |
| XWB-AR8.30 | II | 30 | 40 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XWB-AR8.31 | I | 0 | 30 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 20% rock inclusions |
| XWB-AR8.31 | II | 30 | 40 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | 30% rock inclusions |
| XWB-AR8.32 | I | 0 | 29 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XWB-AR8.32 | II | 29 | 39 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XWB-AR8.33 | I | 0 | 18 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay | NCM | Less than 5% pebble inclusions; Moderate compaction |
| XWB-AR8.33 | II | 18 | 28 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown with 10YR 5/8, Yellowish Brown, | Clay | NCM | Less than 5% pebble inclusions; High compaction |

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|------------|-----|----|----|--|-----------------|-----|--|
| XWB-AR8.34 | I | 0 | 25 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in two track; Less than 5% pebble inclusions |
| XWB-AR8.34 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XWB-AR8.35 | I | 0 | 31 | 10YR 3/2, Very Dark Grayish Brown | Silty Loam | NCM | 30-40% rock inclusions |
| XWB-AR8.35 | II | 31 | 42 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Clay Loam | NCM | Large rocks throughout Strat II |
| XWB-AR8.36 | I | 0 | 34 | 10YR 4/3, Brown, Brown | Sandy Loam | NCM | 30% rock inclusions |
| XWB-AR8.36 | II | 34 | 45 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Sandy Clay | NCM | 30% rock inclusions |
| XWB-AR8.37 | I | 0 | 25 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XWB-AR8.37 | II | 25 | 35 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XWB-AR8.38 | I | 0 | 25 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in two track; Moist 5%; Less than 5% pebble, sandstone, and slate inclusions |
| XWB-AR8.38 | II | 25 | 45 | 5YR 4/6, | Sandy Clay | NCM | Moist 5%; 25% pebble inclusions |
| XWB-AR8.38 | III | 45 | 55 | 10YR 5/3, Brown, Brown | Clay | NCM | Moist 10%; Less than 5% pebble inclusions |
| XWB-AR8.39 | I | 0 | 34 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 5% pebble inclusions; Moderate compaction; Light oXidation |

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|-------------|----|----|----|--|--------------------|-----|--|
| XWB-AR8.39 | II | 34 | 44 | 10YR 5/3, Brown, Brown with 5YR 4/6, | Silty Clay Loam | NCM | Less than 5% pebble inclusions; Moderate compaction |
| XWB-AR8.40 | I | 0 | 35 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 30% rock inclusions |
| XWB-AR8.40 | II | 35 | 45 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | 30% rock inclusions |
| XWB-AR8.41 | I | 0 | 31 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Loam | NCM | Moderate rock content |
| XWB-AR8.41 | II | 31 | 41 | 10YR 7/2, | Clay Loam | NCM | Hydric soil; OXidation; Mottled with 10YR 5/8, Yellowish Brown, |
| XWB-AR8.42 | I | 0 | 32 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XWB-AR8.42 | II | 32 | 42 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XWB-AR16.01 | I | 0 | 29 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XWB-AR16.01 | II | 29 | 39 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XWB-AR16.02 | I | 0 | 30 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in hay field; Less than 5% moist; Less than 5% pebble incusions |
| XWB-AR16.02 | II | 30 | 40 | 10YR 5/3, Brown, Brown | Clay Loam | NCM | Less than 5% moist; Less than 5% pebble incusions |
| XWB-AR16.03 | I | 0 | 31 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | STP located in unmowed hay field; Hydric deposits |

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|-------------|----|----|----|---|-----------------|-----|--|
| XWB-AR16.03 | II | 31 | 41 | 10YR 5/2, Grayish Brown, with 10YR 5/6, Yellowish Brown | Clay Loam | NCM | Hydric deposits |
| XWB-AR16.04 | I | 0 | 45 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10% rock inclusions |
| XWB-AR16.04 | II | 45 | 55 | 10YR 6/4, Light Yellowish Brown, | Silty Clay | NCM | 20% rock inclusions |
| XWB-AR16.05 | I | 0 | 38 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Moderate compaction |
| XWB-AR16.05 | II | 38 | 49 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | Moderate compaction |
| XWB-AR16.06 | I | 0 | 29 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XWB-AR16.06 | II | 29 | 39 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XWB-AR16.07 | I | 0 | 45 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in hay field; Less than 5% moist; Less than 5% pebble inclusions |
| XWB-AR16.07 | II | 45 | 55 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% moist; Less than 5% pebble inclusions |
| XWB-AR16.08 | I | 0 | 33 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | Very compact soil |
| XWB-AR16.08 | II | 33 | 43 | 10YR 5/2, Grayish Brown, with 10YR 5/6, Yellowish Brown | Clay Loam | NCM | Very compact soil |

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|-------------|----|----|----|---|-----------------|-----|--|
| XWB-AR16.09 | I | 0 | 38 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | High compaction |
| XWB-AR16.09 | II | 38 | 50 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | High compaction |
| XWB-AR16.10 | I | 0 | 35 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10% rock inclusions |
| XWB-AR16.10 | II | 35 | 45 | 10YR 6/4, Light Yellowish Brown, | Silty Clay | NCM | 20% rock inclusions |
| XWB-AR16.11 | I | 0 | 39 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XWB-AR16.11 | II | 39 | 49 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XWB-AR16.12 | I | 0 | 30 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in hay field; Less than 5% moist; Less than 5% pebble inclusions |
| XWB-AR16.12 | II | 30 | 40 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% moist; Less than 5% pebble inclusions |
| XWB-AR16.13 | I | 0 | 25 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | Very compact soil; Small rock inclusions |
| XWB-AR16.13 | II | 25 | 35 | 10YR 5/2, Grayish Brown, with 10YR 5/6, Yellow Brown, Yellowish Brown | Clay Loam | NCM | Very compact soil; Small rock inclusions |
| XWB-AR16.14 | I | 0 | 25 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in hay field; Less than 5% moist; Less than 5% pebble inclusions |
| XWB-AR16.14 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% moist; Less than 5% pebble inclusions |

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|-------------|----|----|----|--|--------------------|-----|---|
| XWB-AR16.15 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10% rock inclusions |
| XWB-AR16.15 | II | 30 | 40 | 10YR 6/4, Light Yellowish Brown, | Silty Clay | NCM | 20% rock inclusions |
| XWB-AR16.16 | I | 0 | 29 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | Less than 5% pebble inclusions; Moderate compaction |
| XWB-AR16.16 | II | 29 | 40 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown with 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | Less than 5% pebble inclusions; Moderate compaction |
| XWB-AR16.17 | I | 0 | 21 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XWB-AR16.17 | II | 21 | 31 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XWB-AR16.18 | I | 0 | 25 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in hay field; Less than 5% moist; Less than 5% pebble inclusions |
| XWB-AR16.18 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% moist; Less than 5% pebble inclusions |
| XWB-AR16.19 | I | 0 | 10 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | |
| XWB-AR16.19 | II | 10 | 41 | 10YR 5/3, Brown, Brown | Clay | NCM | |
| XWB-AR16.20 | I | 0 | 32 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | Very compact soil; Small rock inclusions |

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|-------------|----|----|----|---|-----------------|-----|--|
| XWB-AR16.20 | II | 32 | 42 | 10YR 5/2, Grayish Brown, with 10YR 5/6, Yellowish Brown | Clay Loam | NCM | Very compact soil; Small rock inclusions |
| XWB-AR16.21 | I | 0 | 29 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | Less than 5% pebble inclusions; Moderate compaction |
| XWB-AR16.21 | II | 29 | 40 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown with 10YR 5/6, Yellowish Brown | Silty Clay Loam | NCM | Less than 5% pebble inclusions; Moderate compaction |
| XWB-AR16.22 | I | 0 | 25 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in hay field; Less than 5% moist; Less than 5% pebble inclusions |
| XWB-AR16.22 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% moist; Less than 5% pebble inclusions |
| XWB-AR16.23 | I | 0 | 40 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10% rock inclusions |
| XWB-AR16.23 | II | 40 | 50 | 10YR 6/4, Light Yellowish Brown, | Silty Clay | NCM | 20% rock inclusions |
| XWB-AR16.24 | I | 0 | 42 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XWB-AR16.24 | II | 42 | 52 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XWB-AR16.25 | I | 0 | 31 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | 20% pebble and cobble inclusions; High compaction |

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|-------------|----|----|----|---|-----------------|-----|--|
| XWB-AR16.25 | II | 31 | 41 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | 10% pebble and cobble inclusions; High compaction |
| XWB-AR16.26 | I | 0 | 30 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | STP located near access road; 1 piece of modern glass (not collected) |
| XWB-AR16.26 | II | 30 | 40 | 10YR 5/2, Grayish Brown, with 10YR 5/6, Yellow Brown, Yellowish Brown | Clay Loam | NCM | |
| XWB-AR16.27 | I | 0 | 32 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10% rock inclusions |
| XWB-AR16.27 | II | 32 | 42 | 10YR 6/4, Light Yellowish Brown, | Silty Clay | NCM | 20% rock inclusions |
| XWB-AR16.28 | I | 0 | 32 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XWB-AR16.28 | II | 32 | 42 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XWB-AR16.29 | I | 0 | 30 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in hay field; Less than 5% moist; Less than 5% pebble inclusions |
| XWB-AR16.29 | II | 30 | 40 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% moist; Less than 5% pebble inclusions |
| XWB-AR16.30 | I | 0 | 31 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | 20% pebble and cobble inclusions; High compaction |
| XWB-AR16.30 | II | 31 | 41 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | 10% pebble and cobble inclusions; High compaction |
| XWB-AR16.31 | I | 0 | 38 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10% rock inclusions |

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|-------------|----|----|----|---|-----------------|-----|--|
| XWB-AR16.31 | II | 38 | 48 | 10YR 6/4, Light Yellowish Brown, | Silty Clay | NCM | 20% rock inclusions |
| XWB-AR16.32 | I | 0 | 29 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | STP located near access road; Plow-shattered chert |
| XWB-AR16.32 | II | 29 | 40 | 10YR 5/2, Grayish Brown, with 10YR 5/6, Yellow Brown, Yellowish Brown | Clay Loam | NCM | |
| XWB-AR16.33 | I | 0 | 31 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XWB-AR16.33 | II | 31 | 41 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XWB-AR16.34 | I | 0 | 30 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in hay field; Less than 5% moist; Less than 5% pebble inclusions |
| XWB-AR16.34 | II | 30 | 40 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% moist; Less than 5% pebble inclusions |
| XWB-AR16.35 | I | 0 | 25 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in hay field; Less than 5% moist; Less than 5% pebble inclusions |
| XWB-AR16.35 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% moist; Less than 5% pebble inclusions |
| XWB-AR16.36 | I | 0 | 52 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XWB-AR16.36 | II | 52 | 62 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XWB-AR16.37 | I | 0 | 26 | 10YR 3/2, Very Dark Grayish Brown, | Silty Clay Loam | NCM | 5% pebble inclusions; Low compaction; Hydric soil |

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|-------------|-----|----|----|---|-----------------|-----|--|
| XWB-AR16.37 | II | 26 | 44 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown with 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | Low compaction; Hydric soil |
| XWB-AR16.37 | III | 44 | 55 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Clay | NCM | Less than 5% pebble inclusions; Moderate compaction |
| XWB-AR16.38 | I | 0 | 30 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | STP located near access road |
| XWB-AR16.38 | II | 30 | 40 | 10YR 5/2, Grayish Brown, with 10YR 5/6, Yellow Brown, Yellowish Brown | Clay Loam | NCM | |
| XWB-AR16.39 | I | 0 | 37 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10% rock inclusions |
| XWB-AR16.39 | II | 37 | 47 | 10YR 6/4, Light Yellowish Brown, | Silty Clay | NCM | 20% rock inclusions |
| XWB-AR16.40 | I | 0 | 35 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in hay field; Less than 5% moist; Less than 5% pebble inclusions |
| XWB-AR16.40 | II | 35 | 45 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% moist; Less than 5% pebble inclusions |
| XWB-AR16.41 | I | 0 | 37 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XWB-AR16.41 | II | 37 | 47 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XWB-AR16.42 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 5% pebble inclusions; High compaction |

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| XWB-AR16.42 | II | 30 | 40 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | 10% pebble inclusions; High compaction |
| XWB-AR16.43 | I | 0 | 28 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10% rock inclusions |
| XWB-AR16.43 | II | 28 | 38 | 10YR 6/4, Light Yellowish Brown, | Silty Clay | NCM | 20% rock inclusions |
| XWB-AR16.44 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10% rock inclusions |
| XWB-AR16.44 | II | 30 | 40 | 10YR 6/4, Light Yellowish Brown, | Silty Clay | NCM | 20% rock inclusions |
| XWB-AR16.45 | I | 0 | 10 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | Stopped due to rock impasse |
| XBA1.01 | I | 0 | 10 | 10YR 2/1, Black, Black | Silty Clay | NCM | STP located in forested area; Moist 10%; Less than 5% pebble inclusions |
| XBA1.01 | II | 10 | 25 | 10YR 5/3, Brown, Brown | Loam Clay | NCM | Moist 15%; Less than 5% pebble inclusions; Mottled soil |
| XBA1.02 | I | 0 | 6 | 10YR 2/2, Very Dark Brown, | Loam | NCM | Humic soil with low compaction and root matter |
| XBA1.02 | II | 6 | 12 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Loam | NCM | 20% root inclusions; Bioturbation and low compaction |
| XBA1.02 | III | 12 | 22 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay | NCM | 5% root inclusions; Moderate compaction |
| XBA1.03 | I | 0 | 21 | 10YR 2/2, Very Dark Brown, | Sandy Clay Loam | NCM | |

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| XBA1.03 | II | 21 | 31 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | |
| XBA1.04 | I | 0 | 33 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 5% pebble inclusions |
| XBA1.04 | II | 33 | 44 | 10YR 6/3, Pale Brown, Pale Brown | Sandy Clay | NCM | 5% pebble inclusions |
| XBA1.05 | I | 0 | 10 | 10YR 2/2, Very Dark Brown, | Loam | NCM | Stopped due to root impasse |
| XBA1.06 | I | 0 | 35 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Moist 10%; Less than 5% pebble inclusions |
| XBA1.06 | II | 35 | 40 | 10YR 3/2, Very Dark Grayish Brown, | Silty Clay | NCM | Moist 15%; Less than 5% pebble inclusions |
| XBA1.06 | III | 40 | 50 | 10YR 5/3, Brown, Brown with 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Loam Clay | NCM | Moist 15%; Less than 5% pebble inclusions; Mottled soil |
| XBA1.07 | I | 0 | 21 | 10YR 2/2, Very Dark Brown, | Sandy Clay Loam | NCM | |
| XBA1.07 | II | 21 | 31 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | |
| XBA1.08 | I | 0 | 4 | 10YR 2/2, Very Dark Brown, | Loam | NCM | Humic soil with low compaction and moderate root matter |
| XBA1.08 | II | 4 | 16 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Loam | NCM | 15% root inclusions; Bioturbation and low compaction |

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| XBA1.08 | III | 16 | 26 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay | NCM | 10% root inclusions; Moderate compaction |
| XBA1.09 | I | 0 | 10 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Moist 10%; Less than 5% pebble inclusions |
| XBA1.09 | II | 10 | 20 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Loam Clay | NCM | Moist 20%; Less than 5% pebble inclusions |
| XBA1.09 | III | 20 | 30 | 10YR 5/3, Brown, Brown | Loam Clay | NCM | Moist 20%; Less than 5% pebble inclusions |
| XBA1.10 | I | 0 | 7 | 10YR 2/1, Black, Black | Loam | NCM | Very thin layer of topsoil under organic matter |
| XBA1.10 | II | 7 | 14 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | Very thin layer |
| XBA1.10 | III | 14 | 35 | 10YR 5/2, Grayish Brown, with 10YR 5/8, Yellowish Brown, and 10YR 6/3, Pale Brown, Pale Brown | Silty Clay Loam | NCM | Hydric soil, very mottled |
| XBA1.11 | I | 0 | 11 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Sand | NCM | 5% pebble inclusions |
| XBA1.11 | II | 11 | 18 | 10YR 7/2, | Silty Sand | NCM | 5% pebble inclusions |

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| XBA1.11 | III | 18 | 30 | 10YR 5/6, Yellow Brown, Yellowish Brown with 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Sandy Clay | NCM | 5% pebble inclusions |
| XBA1.12 | I | 0 | 22 | 10YR 2/2, Very Dark Brown, | Sandy Clay Loam | NCM | |
| XBA1.12 | II | 22 | 32 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | |
| XBA1.13 | I | 0 | 4 | 10YR 2/2, Very Dark Brown, | Loam | NCM | Humic soil with sparse root matter; Low compaction |
| XBA1.13 | II | 4 | 12 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | 5% root inclusions; Moderate compaction |
| XBA1.13 | III | 12 | 23 | 10YR 5/2, Grayish Brown, | Silty Clay | NCM | Less than 5% root inclusions; Moderate compaction |
| XBA1.13 | IV | 23 | 33 | 10YR 5/6, Yellow Brown, Yellowish Brown with 10YR 6/1, Gray, | Silty Clay | NCM | Less than 5% root inclusions; Moderate compaction |
| XBA1.14 | I | 0 | 30 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Moist 20%; Less than 5% pebble and root inclusions |
| XBA1.14 | II | 30 | 40 | 10YR 5/3, Brown, Brown | Loam Clay | NCM | Moist 20%; Less than 5% pebble inclusions |
| XBA1.15 | I | 0 | 5 | 10YR 2/1, Black, Black | Loam | NCM | STP located in forested area; Very thick layer of organic matter |
| XBA1.15 | II | 5 | 16 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | |

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|---------|-----|----|----|---|-----------------|-----|---|
| XBA1.15 | III | 16 | 35 | 10YR 3/2, Very Dark Grayish Brown, | Clay Loam | NCM | Very mottled soil |
| XBA1.15 | IV | 35 | 45 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Clay Loam | NCM | Slight soil color transition |
| XBA1.16 | I | 0 | 22 | 10YR 2/2, Very Dark Brown, | Sandy Clay Loam | NCM | |
| XBA1.16 | II | 22 | 32 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | |
| XBA1.17 | I | 0 | 13 | 10YR 4/3, Brown, Brown | Sandy Loam | NCM | Less than 1% pebble inclusions |
| XBA1.17 | II | 13 | 32 | 10YR 4/3, Brown, Brown | Sandy Loam | NCM | Less than 1% pebble inclusions |
| XBA1.17 | III | 32 | 44 | 10YR 5/6, Yellow Brown, Yellowish Brown with 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Sandy Clay | NCM | Less than 1% pebble inclusions |
| XBA1.18 | I | 0 | 12 | 10YR 2/2, Very Dark Brown, | Sandy Clay Loam | NCM | |
| XBA1.18 | II | 12 | 18 | 10YR 2/3, | Sandy Clay Loam | NCM | |
| XBA1.18 | III | 18 | 28 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | |
| XBA1.19 | I | 0 | 5 | 10YR 2/2, Very Dark Brown, | Loam | NCM | Humic soil with moderate root matter; Low compaction |
| XBA1.19 | II | 5 | 14 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | 15% root inclusions; Hydric soil with moderate compaction |

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|---------|-----|----|----|--|-----------------|-----|---|
| XBA1.19 | III | 14 | 21 | 10YR 5/2, Grayish Brown, | Silty Clay | NCM | 5% root inclusions; Hydric soil with moderate compaction |
| XBA1.19 | IV | 21 | 35 | 10YR 5/6, Yellow Brown, Yellowish Brown with 10YR 6/1, Gray, | Silty Clay | NCM | Less than 5% root inclusions; Hydric soil with moderate compaction |
| XBA1.20 | I | 0 | 5 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 5% pebble inclusions |
| XBA1.20 | II | 5 | 9 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 5% pebble inclusions |
| XBA1.20 | III | 9 | 22 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 5% pebble inclusions |
| XBA1.21 | I | 0 | 5 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Moist 15%; Less than 5% pebble inclusions |
| XBA1.21 | II | 5 | 25 | 10YR 5/3, Brown, Brown | Loam Clay | NCM | Moist 15%; Less than 5% pebble inclusions |
| XBA1.22 | I | 0 | 15 | 10YR 2/2, Very Dark Brown, | Sandy Clay Loam | NCM | |
| XBA1.22 | II | 15 | 25 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | |
| XBA1.23 | I | 0 | 39 | 10YR 2/2, Very Dark Brown, | Sandy Clay Loam | NCM | |
| XBA1.23 | II | 39 | 49 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | |

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|---------|-----|----|----|--|-----------------|-----|---|
| XBA1.24 | I | 0 | 5 | 10YR 3/2, Very Dark Grayish Brown, | Loam | NCM | Humic soil with moderate root matter; Low compaction |
| XBA1.24 | II | 5 | 24 | 10YR 5/2, Grayish Brown, | Silty Clay Loam | NCM | 10% root inclusions; Moderate compaction |
| XBA1.24 | III | 24 | 37 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | Less than 5% pebble and root inclusions; Moderate compaction |
| XBA1.25 | I | 0 | 5 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Moist 15%; Less than 5% pebble inclusions |
| XBA1.25 | II | 5 | 25 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | Moist 15%; Less than 5% pebble inclusions |
| XBA1.25 | III | 25 | 35 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 15%; Less than 5% pebble inclusions |
| XBA1.26 | I | 0 | 9 | 10YR 2/2, Very Dark Brown, | Sandy Clay Loam | NCM | |
| XBA1.26 | II | 9 | 18 | 10YR 5/2, Grayish Brown, | Sandy Clay Loam | NCM | |
| XBA1.26 | III | 18 | 20 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | |
| XBA1.27 | I | 0 | 33 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 10% root inclusions; Moderate compaction |
| XBA1.27 | II | 33 | 45 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | Less than 5% root inclusions; Moderate compaction |
| XBA1.28 | I | 0 | 8 | 10YR 2/2, Very Dark Brown, | Sandy Clay Loam | NCM | |

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| XBA1.28 | II | 8 | 38 | 10YR 5/2, Grayish Brown, | Sandy Clay Loam | NCM | |
| XBA1.28 | III | 38 | 48 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | |
| XBA1.29 | I | 0 | 7 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | |
| XBA1.29 | II | 7 | 35 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 5% pebble inclusions |
| XBA1.29 | III | 35 | 45 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | 5% pebble inclusions |
| XBA1.30 | I | 0 | 7 | 10YR 2/2, Very Dark Brown, | Loam | NCM | Humic soil with moderate root matter; Low compaction |
| XBA1.30 | II | 7 | 37 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 10% root inclusions; Moderate compaction |
| XBA1.30 | III | 37 | 48 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 5% root inclusions; Moderate compaction |
| XBA1.31 | I | 0 | 7 | 10YR 2/1, Black, Black | Loam | NCM | STP located neXt to a large tree |
| XBA1.31 | II | 7 | 12 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | 10% rock inclusions |

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| XBA1.31 | III | 12 | 23 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 30% rock inclusions |
| XBA1.31 | IV | 23 | 33 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | 30% rock inclusions |
| XBA1.32 | I | 0 | 5 | Decaying wood | Organic | NCM | STP located in forested area; Moist 25% |
| XBA1.32 | II | 5 | 10 | 10YR 2/1, Black, Black | Silty Clay | NCM | Less than 5% pebble inclusions |
| XBA1.32 | III | 10 | 20 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 10%; Less than 5% pebble inclusions |
| XBA1.33 | I | 0 | 9 | 10YR 2/2, Very Dark Brown, | Sandy Clay Loam | NCM | |
| XBA1.33 | II | 9 | 29 | 10YR 5/2, Grayish Brown, | Sandy Clay Loam | NCM | |
| XBA1.33 | III | 29 | 39 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | |
| XBA1.34 | I | 0 | 5 | 10YR 2/1, Black, Black | Silty Clay | NCM | STP located in forested area; Moist 10%; Less than 5% root and pebble inclusions |
| XBA1.34 | II | 5 | 25 | 10YR 5/5, | Silty Clay | NCM | Moist 10%; Less than 5% pebble inclusions; Gradual soil color change between Strats II and III |
| XBA1.34 | III | 25 | 35 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 10%; Less than 5% pebble inclusions; |
| XBA1.35 | I | 0 | 5 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | Less than 1% pebble inclusions |

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| XBA1.35 | II | 5 | 11 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 5% pebble inclusions |
| XBA1.35 | III | 11 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Sand | NCM | 5% pebble inclusions |
| XBA1.35 | IV | 40 | 50 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 5% pebble inclusions |
| XBA1.36 | I | 0 | 5 | 10YR 2/1, Black, Black | Loam | NCM | |
| XBA1.36 | II | 5 | 20 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | Heavy root content |
| XBA1.36 | III | 20 | 30 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | |
| XBA1.37 | I | 0 | 8 | 10YR 2/2, Very Dark Brown, | Loam | NCM | Humic soil with moderate root matter; Low compaction |
| XBA1.37 | II | 8 | 27 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | 10% root inclusions; Moderate compaction |
| XBA1.37 | III | 27 | 37 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 5% root inclusions; Moderate compaction |
| XBA1.38 | I | 0 | 11 | 10YR 2/2, Very Dark Brown, | Sandy Clay Loam | NCM | |
| XBA1.38 | II | 11 | 31 | 10YR 5/2, Grayish Brown, | Sandy Clay Loam | NCM | |

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| XBA1.38 | III | 31 | 41 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | |
| XBA1.39 | I | 0 | 6 | 10YR 2/2, Very Dark Brown, | Loam | NCM | Humic soil with moderate root matter; Low compaction |
| XBA1.39 | II | 6 | 22 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 10% root inclusions; Moderate compaction |
| XBA1.39 | III | 22 | 35 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 5% root inclusions; Moderate compaction |
| XBA1.40 | I | 0 | 8 | Organic leaves | Organic | NCM | STP located in forested area; Moist 10%; Less than 5% pebble inclusions |
| XBA1.40 | II | 8 | 17 | 10YR 2/2, Very Dark Brown, | | NCM | Moist 10%; Less than 5% pebble inclusions |
| XBA1.40 | III | 17 | 22 | 10YR 5/5, | | NCM | Moist 10%; Less than 5% pebble inclusions |
| XBA1.40 | IV | 22 | 40 | 10YR 5/3, Brown, Brown | | NCM | Moist 10%; Less than 5% pebble inclusions |
| XBA1.41 | I | 0 | 10 | 10YR 2/1, Black, Black | Loam | NCM | STP located neXt to dead tree; Heavy root content |
| XBA1.41 | II | 10 | 17 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | 5% rock inclusions |
| XBA1.41 | III | 17 | 25 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 5% rock inclusions; Very red soil |
| XBA1.41 | IV | 25 | 35 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | 10% rock inclusions; Very yellow soil |

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| XBA1.42 | I | 0 | 8 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | |
| XBA1.42 | II | 8 | 19 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | Less than 1% pebble inclusions |
| XBA1.42 | III | 19 | 38 | 10YR 5/2, Grayish Brown, | Silty Sand | NCM | 5% pebble inclusions |
| XBA1.42 | IV | 38 | 48 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 5% pebble inclusions |
| XBA1.43 | I | 0 | 6 | 10YR 2/1, Black, Black | Loam | NCM | Humic soil; Moderate root content |
| XBA1.43 | II | 6 | 29 | 10YR 3/2, Very Dark Grayish Brown, | Silty Clay Loam | NCM | 10% root inclusions; Moderate compaction |
| XBA1.43 | III | 29 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | Less than 5% root inclusions; Moderate compaction |
| XBA1.44 | I | 0 | 5 | 10YR 2/1, Black, Black | Silt | NCM | 10% rock inclusions |
| XBA1.44 | II | 5 | 18 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | Medium root content |
| XBA1.44 | III | 18 | 31 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | |

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| XBA1.44 | IV | 31 | 46 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | |
| XBA1.45 | I | 0 | 10 | 10YR 2/2, Very Dark Brown, | Silty Loam | NCM | STP located in forested area; Moist 10%; Less than 5% root and pebble inclusions |
| XBA1.45 | II | 10 | 30 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | Moist 10%; Less than 5% root and pebble inclusions |
| XBA1.45 | III | 30 | 40 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 10%; Less than 5% root and pebble inclusions |
| XBA1.46 | I | 0 | 12 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | Less than 1% pebble inclusions |
| XBA1.46 | II | 12 | 29 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Sand | NCM | Less than 1% pebble inclusions |
| XBA1.46 | II | 29 | 40 | 10YR 6/3, Pale Brown, Pale Brown | Sandy Clay | NCM | Less than 1% pebble inclusions |
| XBA1.47 | I | 0 | 8 | 10YR 2/2, Very Dark Brown, | Sandy Clay Loam | NCM | |
| XBA1.47 | II | 8 | 28 | 10YR 5/2, Grayish Brown, | Sandy Clay Loam | NCM | |
| XBA1.47 | III | 28 | 38 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | |
| XBA1.48 | I | 0 | 7 | 10YR 2/1, Black, Black | Loam | NCM | Heavy root content |
| XBA1.48 | II | 7 | 18 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | Medium root content |

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| XBA1.48 | III | 18 | 25 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | Stopped due to root impasse |
| XBA1.49 | I | 0 | 10 | 10YR 2/2, Very Dark Brown, | Sandy Clay Loam | NCM | |
| XBA1.49 | II | 10 | 26 | 10YR 5/2, Grayish Brown, | Sandy Clay Loam | NCM | |
| XBA1.49 | III | 26 | 36 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | |
| XBA1.50 | I | 0 | 5 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Less than 1% cobble inclusions and 5% pebble inclusions |
| XBA1.50 | II | 5 | 11 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Less than 1% cobble inclusions and 5% pebble inclusions |
| XBA1.50 | III | 11 | 23 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Sand | NCM | Less than 1% cobble inclusions and 5% pebble inclusions |
| XBA1.50 | IV | 23 | 34 | 10YR 6/3, Pale Brown, Pale Brown | Sandy Clay | NCM | Less than 1% cobble inclusions and 5% pebble inclusions |
| XBA1.51 | I | 0 | 10 | 10YR 2/2, Very Dark Brown, | Silty Loam | NCM | STP located in forested area; Moist 10%; Less than 5% root and pebble inclusions |
| XBA1.51 | II | 10 | 25 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | Moist 15%; Less than 5% root and pebble inclusions |
| XBA1.51 | III | 25 | 35 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 20%; Less than 5% root and pebble inclusions |
| XBA1.52 | I | 0 | 29 | 10YR 3/2, Very Dark Grayish Brown, | Silty Clay Loam | NCM | 10% root inclusions; Moderate compaction |

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| XBA1.52 | II | 29 | 43 | 10YR 5/6, Yellow Brown, Yellowish Brown | Clay | NCM | 5% root and pebble inclusions; Moderate compaction |
| XBA1.53 | I | 0 | 20 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Loam | NCM | STP located near stand of trees; Hydric, gray soil |
| XBA1.53 | II | 20 | 30 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | Hydric, yellow soil |
| XBA1.54 | I | 0 | 30 | 10YR 2/2, Very Dark Brown, | Sandy Clay Loam | NCM | |
| XBA1.54 | II | 30 | 40 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | |
| XBA1.55 | I | 0 | 5 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Sand | NCM | Less than 1% pebble inclusions |
| XBA1.55 | II | 5 | 15 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Sand | NCM | Less than 1% pebble inclusions |
| XBA1.55 | III | 15 | 25 | 10YR 6/3, Pale Brown, Pale Brown | Silty Clay | NCM | Less than 1% pebble inclusions |
| XBA1.56 | I | 0 | 35 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Moist 15%; Less than 5% root and pebble inclusions |
| XBA1.56 | II | 35 | 45 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 25%; Less than 5% root and pebble inclusions |
| XBA1.57 | I | | | | | | |
| XBA1.58 | I | 0 | 21 | 10YR 2/2, Very Dark Brown, | Sandy Clay Loam | NCM | |
| XBA1.58 | II | 21 | 31 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | |

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|---------|-----|----|----|--|-----------------|-----|--|
| XBA1.59 | I | 0 | 5 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Sity Loam | NCM | Disturbed soils; Stopped due to standing water |
| XBA1.60 | I | 0 | 5 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | Less than 1% pebble inclusions |
| XBA1.60 | II | 5 | 25 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | Less than 1% pebble inclusions |
| XBA1.60 | III | 25 | 36 | 10YR 6/3, Pale Brown, Pale Brown | Silty Clay | NCM | Less than 1% pebble inclusions |
| XBA1.61 | I | 0 | 3 | 10YR 2/1, Black, Black | Loam | NCM | Hydric soil; 5-10% rock inclusions |
| XBA1.61 | II | 3 | 19 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Loam | NCM | Hydric soil; 5-10% rock inclusions |
| XBA1.61 | III | 19 | 32 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | Hydric soil; 5-10% rock inclusions |
| XBA1.62 | I | 0 | 25 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Moist 15%; Less than 5% root and pebble inclusions |
| XBA1.62 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 25%; Less than 5% root and pebble inclusions |
| XBA1.63 | I | 0 | 6 | 10YR 3/1, Very Dark Grayish Brown, | Loam | NCM | Humic soil; Moderate compaction |
| XBA1.63 | II | 6 | 28 | 10YR 3/2, Very Dark Grayish Brown, | Silty Clay Loam | NCM | 15% root inclusions; Moderate compaction |
| XBA1.63 | III | 28 | 40 | 10YR 3/2, Very Dark Grayish Brown, | Clay | NCM | 5% pebble inclusions; Less than 5% root inclusions; Moderate compaction |
| XBA1.64 | I | 0 | 28 | 10YR 2/2, Very Dark Brown, | Sandy Clay Loam | NCM | |

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| XBA1.64 | II | 28 | 38 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | |
| XBA1.65 | I | 0 | 25 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area near seasonal wetland; Moist 15%; Less than 5% pebble inclusions |
| XBA1.65 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 25%; Less than 5% pebble inclusions |
| XBA1.66 | I | 0 | 18 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | Hydric soil |
| XBA1.66 | II | 18 | 35 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | Hydric soil |
| XBA1.66 | III | 35 | 45 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown with 10YR 5/2, Grayish Brown, | Clay Loam | NCM | Hydric soil; Rocks present |
| XBA1.67 | I | 0 | 12 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | 1% pebble inclusions |
| XBA1.67 | II | 12 | 20 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 1% pebble inclusions |
| XBA1.67 | III | 20 | 30 | 10YR 6/4, Light Yellowish Brown, | Silty Clay | NCM | 1% pebble inclusions |
| XBA1.68 | I | 0 | 15 | 10YR 2/1, Black, Black | Silty Clay | NCM | STP located near seasonal wetland and forest; Moist 20%; Less than 5% pebble inclusions |
| XBA1.68 | II | 15 | 25 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 30%; Less than 5% pebble inclusions |
| XBA1.69 | I | 0 | 12 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | Hydric soil; Roots at surface |

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| XBA1.69 | II | 12 | 25 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown with 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Clay Loam | NCM | Hydric, mottled soil; Less than 5% rock inclusions |
| XBA1.70 | I | 0 | 23 | 10YR 3/2, Very Dark Grayish Brown, | Silty Clay Loam | NCM | 10% root inclusions; Moderate compaction |
| XBA1.70 | II | 23 | 35 | 10YR 5/6, Yellow Brown, Yellowish Brown | Clay | NCM | 5% root and pebble inclusions; Moderate compaction |
| XBA1.71 | I | 0 | 28 | 10YR 2/2, Very Dark Brown, | Sandy Clay Loam | NCM | |
| XBA1.71 | II | 28 | 38 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | |
| XBA1.72 | I | 0 | 15 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | 1% pebble inclusions |
| XBA1.72 | II | 15 | 25 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 1% pebble inclusions |
| XBA1.73 | I | 0 | 15 | 10YR 2/1, Black, Black | Silty Clay | NCM | STP located near seasonal wetland and forest; Moist 15%; Less than 5% pebble inclusions |
| XBA1.73 | II | 15 | 25 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | Moist 25%; Less than 5% pebble inclusions |
| XBA1.73 | III | 25 | 35 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 25%; Less than 5% pebble inclusions |

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| XBA1.74 | I | 0 | 25 | 10YR 2/2, Very Dark Brown, | Sandy Clay Loam | NCM | |
| XBA1.74 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | |
| XBA1.75 | I | 0 | 27 | 10YR 3/2, Very Dark Grayish Brown, | Silty Clay Loam | NCM | 25% root inclusions; Moderate compaction |
| XBA1.75 | II | 27 | 37 | 10YR 5/6, Yellow Brown, Yellowish Brown | Clay | NCM | 5% root inclusions; Moderate compaction |
| XBA1.76 | I | 0 | 10 | 10YR 2/1, Black, Black | Loam | NCM | Heavy root content |
| XBA1.76 | II | 10 | 19 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | Hydric soil |
| XBA1.76 | III | | | | | | |
| XFA.01 | I | 0 | 32 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XFA.01 | II | 32 | 42 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFA.02 | I | 0 | 40 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 5% root inclusions; Moderate compaction |
| XFA.02 | II | 40 | 50 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 5% pebble inclusions; Moderate compaction |
| XFA.03 | I | 0 | 25 | 10YR 3/1, Very Dark Grayish Brown, | Silty Clay | NCM | STP located near water feature and forest line; Moist 5%; Less than 5% pebble inclusions |
| XFA.03 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Clay | NCM | Moist 5%; Less than 5% pebble inclusions |

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| XFA.04 | I | 0 | 35 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |
| XFA.04 | II | 35 | 45 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 30% rock inclusions |
| XFA.05 | I | 0 | 42 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | STP located in forested areas; 30% rock inclusions; Heavy root content |
| XFA.05 | II | 42 | 52 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 40% rock inclusions |
| XFA.06 | I | 0 | 6 | 10YR 2/2, Very Dark Brown, | Loam | NCM | Humic soil; Moderate root matrix |
| XFA.06 | II | 6 | 37 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Clay Loam | NCM | 15% root inclusions; Moderate compaction |
| XFA.06 | III | 37 | 47 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | 5% root inclusions; Moderate compaction |
| XFA.07 | I | 0 | 23 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XFA.07 | II | 23 | 33 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFA.08 | I | 0 | 32 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | STP located in forested areas; 25% rock inclusions; Heavy root content |
| XFA.08 | II | 32 | 42 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 25% rock inclusions |

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| XFA.09 | I | 0 | 31 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 20% rock inclusions |
| XFA.09 | II | 31 | 42 | 10YR 6/4, Light Yellowish Brown, | Sandy Clay | NCM | 20% rock inclusions |
| XFA.10 | I | 0 | 5 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Less than 5% pebble and root inclusions |
| XFA.10 | II | 5 | 35 | 10YR 4/3, Brown, Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFA.10 | III | 35 | 45 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFA.11 | I | 0 | 25 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XFA.11 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFA.12 | I | 0 | 4 | 10YR 2/2, Very Dark Brown, | Loam | NCM | Humic soil; Sparse root matrix |
| XFA.12 | II | 4 | 38 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Clay Loam | NCM | 15% root inclusions; Moderate compaction |
| XFA.12 | III | 38 | 49 | 10YR 5/3, Brown, Brown | Clay Loam | NCM | 5% root inclusions; Moderate compaction |
| XFA.13 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XFA.13 | II | 30 | 40 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |

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| XFA.14 | I | 0 | 5 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 20% rock inclusions |
| XFA.14 | II | 5 | 11 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 20% rock inclusions |
| XFA.14 | III | 11 | 33 | 10YR 5/3, Brown, Brown | Sandy Loam | NCM | 20% rock inclusions |
| XFA.14 | IV | 33 | 43 | 10YR 6/4, Light Yellowish Brown, | Sandy Clay | NCM | 30% rock inclusions |
| XFA.15 | I | 0 | 3 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Moist 5%; Less than 5% pebble and root inclusions |
| XFA.15 | II | 3 | 30 | 10YR 4/3, Brown, Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFA.15 | III | 30 | 40 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFA.16 | I | 0 | 31 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XFA.16 | II | 31 | 41 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFA.17 | I | 0 | 29 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | Moderate rock content; Minimal root content |
| XFA.17 | II | 29 | 39 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | |
| XFA.18 | I | 0 | 21 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |

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| XFA.18 | II | 21 | 31 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFA.19 | I | 0 | 25 | 10YR 3/1, Very Dark Grayish Brown, | Silty Clay | NCM | STP located in overgrown field; Moist 5%; Less than 5% pebble inclusions |
| XFA.19 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFA.20 | I | 0 | 31 | 10YR 3/2, Very Dark Grayish Brown, | Clay Loam | NCM | Hyric soil; 5% root inclusions; Moderate compaction |
| XFA.20 | II | 31 | 43 | 10YR 5/2, Grayish Brown, with 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay | NCM | Hydric soil; Moderate compaction |
| XFA.21 | I | 0 | 28 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 25% rock inclusions |
| XFA.21 | II | 28 | 40 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | 25% rock inclusions |
| XFA.22 | I | 0 | 30 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in field; Hydric soil |
| XFA.22 | II | 30 | 40 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Clay Loam | NCM | Minimal rock content |
| XFA.23 | I | 0 | 15 | 10YR 3/1, Very Dark Grayish Brown, | Silty Clay | NCM | STP located in overgrown field; Moist 5%; Less than 5% pebble inclusions |
| XFA.23 | II | 15 | 25 | 10YR 5/3, Brown, Brown | Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFA.24 | I | 0 | 11 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |

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| XFA.24 | II | 11 | 21 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFA.25 | I | 0 | 31 | 10YR 3/2, Very Dark Grayish Brown, | Clay Loam | NCM | Hyric soil; 5% root inclusions; Moderate compaction |
| XFA.25 | II | 31 | 43 | 10YR 5/2, Grayish Brown, with 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay | NCM | Hydric soil; Moderate compaction |
| XFA.26 | I | 0 | 35 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 25% rock inclusions |
| XFA.26 | II | 35 | 45 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | 25% rock inclusions |
| XFA.27 | I | 0 | 12 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XFA.27 | II | 12 | 22 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFA.28 | I | 0 | 25 | 10YR 3/1, Very Dark Grayish Brown, | Silty Clay | NCM | STP located on two track; Moist 5%; Less than 5% pebble inclusions |
| XFA.28 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFA.29 | I | 0 | 16 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | Hydric soil; Minimal rock content |
| XFA.29 | II | 16 | 20 | 10YR 2/1, Black, Black | Silty Loam | NCM | Hydric soil |
| XFA.29 | III | 20 | 30 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | Hydric soil |

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| XFB1.01 | I | 0 | 33 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XFB1.01 | II | 33 | 43 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFB1.02 | I | 0 | 5 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Less than 5% pebble and root inclusions |
| XFB1.02 | II | 5 | 40 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFB1.02 | III | 40 | 50 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 10%; Less than 5% pebble inclusions |
| XFB1.03 | I | 0 | 33 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 10% root and 5% pebble inclusions; Moderate compaction |
| XFB1.03 | II | 33 | 43 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 5% pebble inclusions; Moderate compaction |
| XFB1.04 | I | 0 | 52 | 10YR 3/3, Dark Brown, Brown | Silty Loam | NCM | 20% rock inclusions |
| XFB1.04 | II | 52 | 65 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | Heavy clay content; 20% rock inclusions |
| XFB1.05 | I | 0 | 60 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 20% rock inclusions |
| XFB1.05 | II | 60 | 70 | 10YR 6/4, Light Yellowish Brown, Yellowish Brown | Sandy Clay | NCM | 30% rock inclusions |

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| XFB1.06 | I | 0 | 43 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XFB1.06 | II | 43 | 53 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFB1.07 | I | 0 | 52 | 7.5YR 4/4, | Silty Loam | NCM | 10% root, pebble, and cobble inclusions; Moderate compaction |
| XFB1.07 | II | 52 | 62 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 15% pebble and cobble inclusions; Moderate compaction |
| XFB1.08 | I | 0 | 10 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in a forested area on a small hill; Less than 5% pebble and rock inclusions |
| XFB1.08 | II | 10 | 50 | 10YR 5/1, Gray, | Silty Clay | NCM | Moist 5%; 15% pebble inclusions |
| XFB1.08 | III | 50 | 60 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 5%; 5% pebble inclusions |
| XFB1.09 | I | 0 | 33 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XFB1.09 | II | 33 | 43 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFB1.10 | I | 0 | 45 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 20% rock inclusions |
| XFB1.10 | II | 45 | 55 | 10YR 6/4, Light Yellowish Brown, | Sandy Clay | NCM | 40% rock inclusions |
| XFB1.11 | I | 0 | 45 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | STP located in forested area; 10% rock inclusions |
| XFB1.11 | II | 45 | 55 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | 10% rock inclusions |

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| XFB1.12 | I | 0 | 51 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XFB1.12 | II | 51 | 61 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFB1.13 | I | 0 | 38 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 10% root and 5% pebble inclusions; Moderate compaction |
| XFB1.13 | II | 38 | 50 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 15% pebble and cobble inclusions; Moderate compaction |
| XFB1.14 | I | 0 | 5 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Moist 5%; Less than 5% pebble inclusions |
| XFB1.14 | II | 5 | 40 | 10YR 5/1, Gray, | Silty Clay | NCM | Moist 5%; 5% pebble inclusions |
| XFB1.14 | III | 40 | 50 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFB1.15 | I | 0 | 59 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 20% rock inclusions |
| XFB1.15 | II | 59 | 71 | 10YR 6/4, Light Yellowish Brown, | Sandy Clay | NCM | 30% rock inclusions |
| XFB1.16 | I | 0 | 53 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XFB1.16 | II | 53 | 63 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFB1.17 | I | 0 | 7 | 10YR 3/2, Very Dark Grayish Brown, | Loam | NCM | Thick layer of organic matter |
| XFB1.17 | II | 7 | 35 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | 10-15% rock inclusions |

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| XFB1.17 | III | 35 | 45 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | |
| XFB1.18 | I | 0 | 35 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 10% root inclusions and less than 5% pebble inclusions; Moderate compaction |
| XFB1.18 | II | 35 | 45 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | |
| XFB1.19 | I | 0 | 5 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Moist 5%; Less than 5% pebble inclusions |
| XFB1.19 | II | 5 | 35 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFB1.20 | I | 0 | 21 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XFB1.20 | II | 21 | 31 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFB1.21 | I | 0 | 48 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 20% rock inclusions |
| XFB1.21 | II | 48 | 58 | 10YR 6/4, Light Yellowish Brown, | Sandy Clay | NCM | 30% rock inclusions |
| XFB1.22 | I | 0 | 13 | 10YR 2/2, Very Dark Brown, | Loam | NCM | Humic soil with bioturbation and low compaction; 25% root inclusions |
| XFB1.22 | II | 13 | 37 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | Heavy bioturbation and low compaction; 35% root inclusions |

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| XFB1.22 | III | 37 | 49 | 10YR 5/4, Yellowish Brown, Yellowish Brown with 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | Bioturbation and moderate compaction; 20% root inclusions |
| XFB1.23 | I | 0 | 12 | 10YR 2/1, Black, Black | Loam | NCM | Heavy root content |
| XFB1.23 | II | 12 | 20 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Loam | NCM | Heavy root content; Less than 5% rock inclusions |
| XFB1.23 | III | 20 | 30 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | Less than 5% rock inclusions |
| XFB1.23 | IV | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | 10% rock inclusions |
| XFB1.24 | I | 0 | 5 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Moist 5%; Less than 5% pebble inclusions |
| XFB1.24 | II | 5 | 40 | 10YR 5/1, Gray, | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFB1.24 | III | 40 | 50 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFB1.25 | I | 0 | 21 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XFB1.25 | II | 21 | 31 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFB1.26 | I | 0 | 19 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions; Stopped due to root impasse |

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|---------|-----|----|----|--|-----------------|-----|---|
| XFB1.26 | II | 0 | 6 | 10YR 2/2, Very Dark Brown, | Loam | NCM | Humic soil with dense root matter |
| XFB1.26 | III | 6 | 27 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | 40% root inclusions with low compaction; Stopped due to root impasse |
| XFB1.27 | I | 0 | 66 | 7.5YR 2.5/3, | Silty Loam | NCM | 10% rock inclusions |
| XFB1.27 | II | 66 | 76 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | 15% rock inclusions |
| XFB1.28 | I | 0 | 21 | 10 YR 4/3, Brown | Silty Loam | NCM | |
| XFB1.28 | II | 21 | 31 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | |
| XFB1.29 | I | 0 | 40 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XFB1.29 | II | 40 | 50 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFB1.30 | I | 0 | 10 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Moist 5%; Less than 5% pebble inclusions |
| XFB1.30 | II | 10 | 30 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFB1.30 | III | 30 | 40 | 10YR 5/3, Brown, Brown | Clay | NCM | Moist 5%; Less than 5% pebble inclusions; Mottled soil |
| XFB1.31 | I | 0 | 5 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Moist 5%; Less than 5% pebble inclusions |
| XFB1.31 | II | 5 | 30 | 10YR 5/1, Gray, | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions; Stopped due to root and rock impasse |

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|---------|-----|----|----|--|-----------------|-----|--|
| XFB1.32 | I | 0 | 20 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XFB1.32 | II | 20 | 30 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFB1.33 | I | 0 | 13 | 705YR 3/3 | Silty Loam | NCM | 50% root inclusions; Moderate compaction; Stopped due to root impasse |
| XFB1.34 | I | 0 | 6 | 10YR 2/1, Black, Black | Loam | NCM | Heavy root content |
| XFB1.34 | II | 6 | 34 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | 10% rock inclusions |
| XFB1.34 | III | 34 | 44 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | 10% rock inclusions |
| XFB1.35 | I | 0 | 15 | 10YR 3/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |
| XFB1.35 | II | 15 | 27 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Sandy Clay | NCM | 20% rock inclusions |
| XFB1.36 | I | 0 | 34 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 15% root and 5% pebble inclusions; Moderate compaction |
| XFB1.36 | II | 34 | 45 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 5% pebble inclusions; Moderate compaction |
| XFB1.37 | I | 0 | 5 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Moist 5%; Less than 5% pebble inclusions |

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|---------|-----|----|----|--|-----------------|-----|--|
| XFB1.37 | II | 5 | 30 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | Moist 10%; Less than 5% pebble inclusions |
| XFB1.37 | III | 30 | 40 | 10YR 5/3, Brown, Brown | Clay | NCM | Moist 10%; Less than 5% pebble inclusions; Mottled soil |
| XFB1.38 | I | 0 | 41 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XFB1.38 | II | 41 | 51 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFB1.39 | I | 0 | 42 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | Disturbed soil; 30% rock inclusions |
| XFB1.39 | II | 42 | 52 | 10YR 6/3, Pale Brown, Pale Brown | Sandy Clay | NCM | 30% rock inclusions |
| XFB1.40 | I | 0 | 10 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP offset due to three birch trees and associated root systems |
| XFB1.40 | II | 10 | 27 | 10YR 3/3, Dark Brown, Brown | Silty Loam | NCM | 10% rock inclusions |
| XFB1.40 | III | 27 | 37 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 10% rock inclusions; Possible root push |
| XFB1.41 | I | 0 | 4 | 10YR 2/2, Very Dark Brown, Brown | Loam | NCM | Humic soil with moderate root inclusions |
| XFB1.41 | II | 4 | 33 | 7.5YR 4/4, Brown | Silty Loam | NCM | 15% root inclusions; Bioturbation; Moderate compaction |
| XFB1.41 | III | 33 | 46 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 15% root and 5% pebble inclusions; Light bioturbation; Moderate compaction |
| XFB1.42 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |

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|---------|-----|----|----|---|-----------------|-----|---|
| XFB1.42 | II | 30 | 40 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFB1.43 | I | 0 | 5 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Less than 5% pebble inclusions |
| XFB1.43 | II | 5 | 35 | 10YR 5/1, Gray, | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions; Gradual soil color change between Strats II and III |
| XFB1.43 | III | 35 | 45 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFB1.44 | I | 0 | 11 | 10YR 5/1, Gray, | Silty Clay | NCM | |
| XFB1.44 | II | 11 | 23 | 10YR 5/3, Brown | Silty Clay | NCM | |
| XFB1.45 | I | 0 | 23 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | Hydric soil; Very gray, oXidized soil |
| XFB1.45 | II | 23 | 33 | 10YR 5/2, Grayish Brown, | Clay Loam | NCM | Hydric soil; Very gray, oXidized soil |
| XFB1.46 | I | 0 | 12 | 10YR 2/2, Very Dark Brown, | Loam | NCM | 10% root inclusions; Bioturbation; Low compaction |
| XFB1.46 | II | 12 | 36 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 15% root inclusions; Less than 5% rock inclusions; Moderate compaction |
| XFB1.46 | III | 36 | 48 | 10YR 5/4, Yellowish Brown, Yellowish Brown with 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | 10% pebble inclusions; Moderate compaction |
| XFB1.47 | I | 0 | 26 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XFB1.47 | II | 26 | 36 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFB1.48 | I | 0 | 10 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Moist 5%; Less than 5% pebble inclusions |

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|---------|-----|----|----|--|-----------------|-----|--|
| XFB1.48 | II | 10 | 35 | 10YR 5/1, Gray, | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFB1.49 | I | 0 | 55 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Sandy Loam | NCM | 20% rock inclusions |
| XFB1.49 | II | 55 | 65 | 10YR 6/3, Pale Brown, Pale Brown | Sandy Clay | NCM | 30% rock inclusions |
| XFB1.50 | I | 0 | 8 | 10YR 2/1, Black, Black | Silty Loam | NCM | Sections of 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown Clay scattered throughout Strats I and II |
| XFB1.50 | II | 8 | 33 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | Minimal rock inclusions |
| XFB1.50 | III | 33 | 43 | 10YR 3/2, Very Dark Grayish Brown, | Silty Clay Loam | NCM | |
| XFB1.51 | I | 0 | 18 | 10YR 2/2, Very Dark Brown, | Silty Clay Loam | NCM | |
| XFB1.51 | II | 18 | 28 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFB1.52 | I | 0 | 16 | 10YR 3/2, Very Dark Grayish Brown, | Silty Clay Loam | NCM | Hydric soil; 15% root inclusions; Low compaction |
| XFB1.52 | II | 16 | 30 | 10YR 6/1, Gray, with 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | Less than 5% root inclusions; Moderate compaction |
| XFB1.53 | I | 0 | 10 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Less than 5% pebble inclusions |
| XFB1.53 | II | 10 | 30 | 10YR 5/1, Gray, | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFB1.53 | III | 30 | 40 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |

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|---------|-----|----|----|--|-----------------|-----|--|
| XFB1.54 | I | 0 | 37 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Loam | NCM | 25% root inclusions; Moderate compaction |
| XFB1.54 | II | 37 | 49 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 5% root and 5% pebble inclusions; Moderate compaction |
| XFB1.55 | I | 0 | 10 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Less than 5% pebble inclusions |
| XFB1.55 | II | 10 | 45 | 10YR 5/1, Gray, | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions; Gradual color change between Strats II and III |
| XFB1.55 | III | 45 | 55 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFB1.56 | I | 0 | 58 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |
| XFB1.56 | II | 58 | 68 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Sandy Clay | NCM | 30% rock inclusions |
| XFB1.57 | I | 0 | 41 | 10YR 2/2, Very Dark Brown, | Silty Clay Loam | NCM | |
| XFB1.57 | II | 41 | 51 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFB1.58 | I | 0 | 15 | 10YR 2/1, Black, Black | Silty Loam | NCM | Very thick layer of organic matter |
| XFB1.58 | II | 15 | 33 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | Minimal rock inclusions |

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| XFB1.58 | III | 33 | 43 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | Minimal rock inclusions |
| XFB1.59 | I | 0 | 22 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | |
| XFB1.59 | II | 22 | 38 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | |
| XFB1.60 | I | 0 | 33 | 10YR 4/3, Brown, Brown | Silty Clay | NCM | 10% root inclusions; Moderate compaction |
| XFB1.60 | II | 33 | 44 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | Moderate compaction |
| XFB1.61 | I | 0 | 31 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Moderate pebble and root content |
| XFB1.61 | II | 31 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | Moderate pebble and root content |
| XFB1.62 | I | 0 | 5 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Less than 5% pebble inclusions |
| XFB1.62 | II | 5 | 30 | 10YR 5/1, Gray, | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions; Gradual color change between Strats II and III |
| XFB1.62 | III | 30 | 40 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFB1.63 | I | 0 | 16 | 10YR 2/2, Very Dark Brown, | Silty Clay Loam | NCM | |
| XFB1.63 | II | 16 | 26 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |

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| XFB1.64 | I | 0 | 45 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 20% rock inclusions |
| XFB1.64 | II | 45 | 56 | 10YR 6/3, Pale Brown, Pale Brown | Sandy Clay | NCM | 30% rock inclusions |
| XFB1.65 | I | 0 | 5 | 10YR 2/2, Very Dark Brown, | Loam | NCM | Humic soil; Moderate compaction |
| XFB1.65 | II | 5 | 38 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | 20% root compaction; Moderate compaction |
| XFB1.65 | III | 38 | 48 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 5% root inclusions; Moderate compaction |
| XFB1.66 | I | 0 | 15 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Loam | NCM | Thick layer of organic matter; Moderate root content; Minimal rock content; STP photographed |
| XFB1.66 | II | 15 | 38 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Moderate rock content |
| XFB1.66 | III | 38 | 48 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | Moderate rock content |
| XFB1.67 | I | 0 | 10 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Less than 5% pebble inclusions |
| XFB1.67 | II | 10 | 35 | 10YR 5/1, Gray, | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions; Gradual color change between Strats II and III |
| XFB1.67 | III | 35 | 45 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFB1.68 | I | 0 | 21 | 10YR 2/2, Very Dark Brown, | Silty Clay Loam | NCM | |

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|---------|-----|----|----|---|-----------------|-----|---|
| XFB1.68 | II | 21 | 31 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFB1.69 | I | 0 | 56 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |
| XFB1.69 | II | 56 | 66 | 10YR 6/3, Pale Brown, Pale Brown | Sandy Clay | NCM | 20% rock inclusions |
| XFB1.70 | I | 0 | 10 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Moist 5%; Less than 5% pebble inclusions |
| XFB1.70 | II | 10 | 35 | 10YR 5/1, Gray, | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFB1.70 | III | 35 | 45 | 10YR 5/3, Brown, Brown | Clay | NCM | Moist 5%; Less than 5% pebble inclusions; Mottled soil |
| XFB1.71 | I | 0 | 27 | 10YR 3/2, Very Dark Grayish Brown, | Silty Clay Loam | NCM | 10% root inclusions; Moderate compaction; Hydric soil |
| XFB1.71 | II | 27 | 38 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown with 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | 5% pebble inclusions; Moderate compaction |
| XFB1.72 | I | 0 | 38 | 10YR 2/2, Very Dark Brown, | Silty Clay Loam | NCM | |
| XFB1.72 | II | 38 | 48 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFB1.73 | I | 0 | 5 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Moist 5%; Less than 5% pebble inclusions |
| XFB1.73 | II | 5 | 30 | 10YR 5/1, Gray, | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions; Gradual color change from Strat II to III |

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| XFB1.73 | III | 30 | 40 | 10YR 5/3, Brown, Brown | Clay | NCM | Moist 5%; Less than 5% pebble inclusions; Mottled soil |
| XFB1.74 | I | 0 | 57 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 20% pebble inclusions |
| XFB1.74 | II | 57 | 67 | 10YR 6/3, Pale Brown, Pale Brown | Sandy Clay | NCM | 30% pebble inclusions |
| XFB1.75 | I | 0 | 46 | 10YR 3/2, Very Dark Grayish Brown, | Silty Clay Loam | NCM | 10% root inclusions; Moderate compaction; Hydric soil |
| XFB1.75 | II | 46 | 59 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown with 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | Moderate compaction |
| XFB1.76 | I | 0 | 36 | 10YR 2/2, Very Dark Brown, | Silty Clay Loam | NCM | |
| XFB1.76 | II | 36 | 46 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFB1.77 | I | 0 | 5 | 10YR 2/1, Black, Black | Silty Clay Loam | NCM | STP located in forested area; Moist 5%; Less than 5% pebble inclusions |
| XFB1.77 | II | 5 | 15 | 10YR 6/3, Pale Brown, Pale Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFB1.77 | III | 15 | 25 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions; Mottled soil |
| XFB1.78 | I | 0 | 7 | 10YR 2/1, Black, Black | Silty Loam | NCM | Shallow subsoil |
| XFB1.78 | II | 7 | 17 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Mottled, oXidized soil |

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| XFB1.78 | III | 17 | 22 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | Mottled, oXidized soil |
| XFB1.79 | I | 0 | 10 | 10YR 3/3, Dark Brown, | Silty Clay | NCM | Less than 1% rock inclusions |
| XFB1.79 | II | 10 | 23 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | Less than 1% rock inclusions |
| XFB1.80 | I | 0 | 25 | 10YR 3/2, Very Dark Grayish Brown, | Silty Clay Loam | NCM | 20% root inclusion; Moderate compaction; Hydric soil |
| XFB1.80 | II | 25 | 39 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown with 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | 5% root inclusions; Moderate compaction |
| XFB1.81 | I | 0 | 5 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Moist 5%; Less than 5% pebble inclusions |
| XFB1.81 | II | 5 | 40 | 10YR 5/1, Gray, | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions; Gradual color change from Strat II to III |
| XFB1.81 | III | 40 | 50 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions; Mottled soil |
| XFB1.82 | I | 0 | 23 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XFB1.82 | II | 23 | 33 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFB1.83 | I | 0 | 31 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | 20% root and 10% pebble and cobble inclusions; Moderate compaction |

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| XFB1.83 | II | 31 | 41 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 15% pebble and cobble inclusions; Moderate compaction |
| XFB1.84 | I | 0 | 48 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 20% rock inclusions |
| XFB1.84 | II | 48 | 58 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 30% rock inclusions |
| XFB1.85 | I | 0 | 5 | 10YR 2/1, Black, Black | Silty Loam | NCM | One large cobble in root layer |
| XFB1.85 | II | 5 | 27 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Minimal rock inclusions |
| XFB1.85 | III | 27 | 37 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | Minimal rock inclusions |
| XFB1.86 | I | 0 | 5 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Moist 5%; Less than 5% pebble inclusions |
| XFB1.86 | II | 5 | 30 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFB1.86 | III | 30 | 40 | 10YR 5/3, Brown, Brown | Clay | NCM | Moist 10%; Less than 5% pebble inclusions |
| XFB1.87 | I | 0 | 20 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XFB1.87 | II | 20 | 30 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |

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|---------|----|----|----|--|-----------------|-----|---|
| XFB1.88 | I | 0 | 37 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | 10% root inclusions; Moderate compaction |
| XFB1.88 | II | 37 | 48 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 5% root and 5% pebble inclusions; Moderate compaction |
| XFB1.89 | I | 0 | 32 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |
| XFB1.89 | II | 32 | 43 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 20% rock inclusions |
| XFB1.90 | I | 0 | 29 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located between large trees; 10% rock inclusions |
| XFB1.90 | II | 29 | 39 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | 15% rock inclusions |
| XFB1.91 | I | 0 | 30 | 10YR 2/1, Black, Black | Silty Loam | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFB1.91 | II | 30 | 40 | 10YR 5/3, Brown, Brown | Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFB1.92 | I | 0 | 16 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XFB1.92 | II | 16 | 26 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFB1.93 | I | 0 | 29 | 10YR 3/2, Very Dark Grayish Brown, | Silty Clay Loam | NCM | 10% root inclusions; Moderate compaction |

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|---------|----|----|----|--|-----------------|-----|--|
| XFB1.93 | II | 29 | 40 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | 5% root inclusions; Moderate compaction |
| XFB1.94 | I | 0 | 25 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Moist 5%; Less than 5% pebble inclusions |
| XFB1.94 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFB1.95 | I | 0 | 33 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XFB1.95 | II | 33 | 43 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFB1.96 | I | 0 | 25 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | 20% rock inclusions |
| XFB1.96 | II | 25 | 35 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | 20% rock inclusions |
| XFB1.97 | I | 0 | 36 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |
| XFB1.97 | II | 36 | 46 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 20% rock inclusions |
| XFB1.98 | I | 0 | 39 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | 20% root inclusion; Moderate compaction |
| XFB1.98 | II | 39 | 50 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 5% root inclusions; Moderate compaction |
| XFB1.99 | I | 0 | 35 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Moist 5%; Less than 5% pebble inclusions |

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|----------|----|----|----|--|--------------------|-----|---|
| XFB1.99 | II | 35 | 45 | 10YR 5/3, Brown, Brown | Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFB1.100 | I | 0 | 24 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XFB1.100 | II | 24 | 34 | 10YR 5/3, Brown, Brown | Silty Loam | NCM | |
| XFB1.101 | I | 0 | 40 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |
| XFB1.101 | II | 40 | 50 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 20% rock inclusions |
| XFB1.102 | I | 0 | 30 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | 15% root inclusions; Moderate compaction |
| XFB1.102 | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XFB1.103 | I | 0 | 35 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | Hydric soil; 15% root inclusions |
| XFB1.103 | II | 35 | 45 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | Hydric soil; 15% root inclusions |
| XFB1.104 | I | 0 | 30 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | 15% root inclusions; Moderate compaction |
| XFB1.104 | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Loam | NCM | 5% pebble inclusions; Moderate compaction |

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|----------|----|----|----|--|--------------------|-----|--|
| XFB1.105 | I | 0 | 35 | 10YR 4/3, Brown, Brown | Silty Clay | NCM | STP located in forested area; Moist 5%; Less than 5% pebble inclusions |
| XFB1.105 | II | 35 | 45 | 10YR 5/3, Brown, Brown | Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFB1.106 | I | 0 | 32 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |
| XFB1.106 | II | 32 | 43 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 20% rock inclusions |
| XFB1.107 | I | 0 | 22 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XFB1.107 | II | 22 | 32 | 10YR 5/3, Brown, Brown | Silty Loam | NCM | |
| XFB1.108 | I | 0 | 30 | 10YR 3/3, Dark Brown, Brown | Silty Loam | NCM | 15-20% rock inclusions |
| XFB1.108 | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | 15-20% rock inclusions |
| XFB1.109 | I | 0 | 26 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 5% root and 10% pebble and cobble inclusions; Moderate compaction |
| XFB1.109 | II | 26 | 36 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | 15% pebble and cobble inclusions; Moderate compaction |
| XFB1.110 | I | 0 | 12 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XFB1.110 | II | 12 | 22 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |

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|----------|-----|----|----|--|-----------------|-----|--|
| XFB1.111 | I | 0 | 35 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |
| XFB1.111 | II | 35 | 45 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 20% rock inclusions |
| XFB1.112 | I | 0 | 23 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | 15-20% rock inclusions |
| XFB1.112 | II | 23 | 33 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | 15-20% rock inclusions |
| XFB1.113 | I | 0 | 10 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Moist 5%; Less than 5% pebble inclusions |
| XFB1.113 | II | 10 | 25 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFB1.113 | III | 25 | 35 | 10YR 5/3, Brown, Brown | Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFB1.114 | I | 0 | 5 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Moist 5%; Less than 5% pebble inclusions |
| XFB1.114 | II | 5 | 40 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFB1.114 | III | 40 | 50 | 10YR 5/3, Brown, Brown | Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFB1.115 | I | 0 | 22 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XFB1.115 | II | 22 | 32 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |

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|----------|----|----|----|--|-----------------|-----|---|
| XFB1.116 | I | 0 | 10 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | 15-20% rock inclusions |
| XFB1.116 | II | 10 | 20 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | 15-20% rock inclusions |
| XFB1.117 | I | 0 | 18 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |
| XFB1.117 | II | 18 | 30 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 20% rock inclusions |
| XFB1.118 | I | 0 | 26 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 5% root and 10% pebble and cobble inclusions; Moderate compaction |
| XFB1.118 | II | 26 | 36 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | 15% pebble and cobble inclusions; Moderate compaction |
| XFB1.119 | I | 0 | 41 | 10YR 3/3, Dark Brown, | Silty Clay Loam | NCM | 10% pebble and cobble inclusions; Moderate compaction |
| XFB1.119 | II | 41 | 53 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 15% pebble and cobble inclusions; Moderate compaction |
| XFB1.120 | I | 0 | 40 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XFB1.120 | II | 40 | 50 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |

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|---------|----|----|----|--|-----------------|-----|--|
| XFB2.01 | I | 0 | 51 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 25% rock inclusions |
| XFB2.01 | II | 51 | 61 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Sandy Clay | NCM | 25% rock inclusions |
| XFB2.02 | I | 0 | 40 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 15% root inclusions; Moderate compaction |
| XFB2.02 | II | 40 | 51 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 5% root inclusions; Moderate compaction |
| XFB2.03 | I | 0 | 31 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 20% rock inclusions; Roots at surface |
| XFB2.03 | II | 31 | 41 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | 20% rock inclusions |
| XFB2.04 | I | 0 | 30 | 10YR 2/2, Very Dark Brown, | Silty Clay | NCM | STP located in forested area; Moist 5%; Less than 5% pebble inclusions |
| XFB2.04 | II | 30 | 40 | 10YR 5/3, Brown, Brown | Clay | NCM | Mottled soil; Moist 5%; Less than 5% pebble inclusions |
| XFB2.05 | I | 0 | 31 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XFB2.05 | II | 31 | 41 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFB2.06 | I | 0 | 5 | 10YR 2/2, Very Dark Brown, | Silty Loam | NCM | STP located in forested area; Moist 5%; Less than 5% pebble inclusions |
| XFB2.06 | II | 5 | 25 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | Moist 15%; Less than 5% pebble inclusions |

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|---------|-----|----|----|--|--------------------|-----|---|
| XFB2.06 | III | 25 | 35 | 10YR 5/3, Brown, Brown | Clay | NCM | Moist 15%; Less than 5% pebble inclusions; Mottled soil |
| XFB2.07 | I | 0 | 32 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XFB2.07 | II | 32 | 42 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFB2.08 | I | 0 | 35 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 20% rock inclusions |
| XFB2.08 | II | 35 | 45 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Sandy Clay | NCM | 30% rock inclusions |
| XFB2.09 | I | 0 | 40 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 15% root inclusions; Moderate compaction |
| XFB2.09 | II | 40 | 50 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown with 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | Less than 5% root inclusions; Moderate compaction |
| XFB2.10 | I | 0 | 35 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Thick root content; Minimal rock content |
| XFB2.10 | II | 35 | 45 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | Minimal rock content; Mottled, oXidized soil |
| XFB2.11 | I | 0 | 25 | 10YR 2/2, Very Dark Brown, | Silty Loam | NCM | STP located in forested area; Moist 5%; Less than 5% pebble inclusions |

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|---------|-----|----|----|--|--------------------|-----|---|
| XFB2.11 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Clay | NCM | Moist 5%; Less than 5% pebble inclusions; Mottled soil |
| XFB2.12 | I | 0 | 26 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XFB2.12 | II | 26 | 36 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFB2.13 | I | 0 | 31 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 10% rock inclusions |
| XFB2.13 | II | 31 | 42 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Sandy Clay | NCM | 20% rock inclusions |
| XFB2.14 | I | 0 | 7 | 10YR 2/2, Very Dark Brown, | Loam | NCM | Humic soil |
| XFB2.14 | II | 7 | 36 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Loam | NCM | 25% root inclusions; Moderate compaction |
| XFB2.14 | III | 36 | 47 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 5% root inclusions; Moderate compaction |
| XFB2.15 | I | 0 | 5 | 10YR 2/2, Very Dark Brown, | Silty Loam | NCM | STP located in forested area; Moist 5%; Less than 5% pebble inclusions |
| XFB2.15 | II | 5 | 25 | 10YR 5/1, Gray, | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions; Gradual soil color change between Strats II and III |
| XFB2.15 | III | 23 | 25 | 10YR 5/3, Brown, Brown | Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFB2.16 | I | 0 | 29 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 15% rock inclusions |

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| XFB2.16 | II | 29 | 39 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | 20% rock inclusions |
| XFB2.17 | I | 0 | 23 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XFB2.17 | II | 23 | 33 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFB2.18 | I | 0 | 28 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Loam | NCM | 10% root inclusions; Moderate compaction |
| XFB2.18 | II | 28 | 39 | 10YR 5/4, Yellowish Brown, Yellowish Brown with 7.5YR 5/6, Strong Brown, | Silty Clay | NCm | 5% root inclusions; Moderate compaction |
| XFB2.19 | I | 0 | 35 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 10% rock inclusions |
| XFB2.19 | II | 35 | 46 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 20% rock inclusions |
| XFB2.20 | I | 0 | 5 | 10YR 2/2, Very Dark Brown, | Silty Loam | NCM | STP located in forested area; Moist 5%; Less than 5% pebble inclusions |
| XFB2.20 | II | 5 | 25 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFB2.20 | III | 25 | 35 | 10YR 5/3, Brown, Brown | Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XFB2.21 | I | 0 | 20 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |

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|---------|-----|----|----|--|--------------------|-----|--|
| XFB2.21 | II | 20 | 30 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XFB2.22 | I | 0 | 41 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Moderate root and rock content; Stopped due to rock impasse |
| XHA1.01 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 15% root and 10% pebble inclusions; Moderate compaction |
| XHA1.01 | II | 30 | 40 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 5% root and 15% pebble and cobble inclusions; Moderate compaction |
| XHA1.02 | I | 0 | 35 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.02 | II | 35 | 45 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.03 | I | 0 | 28 | 10YR 3/3, Dark Brown, Brown | Silty Loam | NCM | STP located near road; 50% rock inclusions |
| XHA1.03 | II | 28 | 36 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 30% rock inclusions |
| XHA1.03 | III | 36 | 46 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | Very compact soil; 30% rock inclusions |
| XHA1.04 | I | 0 | 28 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |

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| XHA1.04 | II | 28 | 38 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 20% rock inclusions |
| XHA1.05 | I | 0 | 10 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located in forested area; Less than 5% pebble inclusions; Compact soil |
| XHA1.05 | II | 10 | 20 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% pebble inclusions |
| XHA1.06 | I | 0 | 37 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.06 | II | 37 | 47 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.07 | I | 0 | 26 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 5% root inclusions; Moderate compaction |
| XHA1.07 | II | 26 | 39 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 10% pebble inclusions |
| XHA1.08 | I | 0 | 18 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Very compact soil; 15% rock inclusions |
| XHA1.08 | II | 18 | 30 | 10YR 5/6, Yellow Brown, Yellowish Brown | Clay Loam | NCM | Very compact soil; 20% rock inclusions |
| XHA1.09 | I | 0 | 21 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |
| XHA1.09 | II | 21 | 32 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 20% rock inclusions |

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| XHA1.10 | I | 0 | 30 | 10YR 4/3, Brown, Brown BrownBrownwith 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | STP located in pushpile/fill; Disturbed soil |
| XHA1.10 | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | |
| XHA1.11 | I | 0 | 15 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located in foested area; Less than 5% pebble inclusions; Compact soil |
| XHA1.11 | II | 15 | 25 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% pebble inclusions |
| XHA1.12 | I | 0 | 31 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.12 | II | 31 | 41 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.13 | I | 0 | 30 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |
| XHA1.13 | II | 30 | 40 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 20% rock inclusions |
| XHA1.14 | I | 0 | 32 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Stopped due to root impasse |
| XHA1.15 | I | 0 | 10 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in forested area; Less than 5% pebble inclusions |

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|---------|----|----|----|--|--------------------|-----|--|
| XHA1.15 | II | 10 | 20 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% pebble inclusions |
| XHA1.16 | I | 0 | 14 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | 20% pebble and cobble inclusions; 10% root inclusions; Moderate compaction |
| XHA1.16 | II | 14 | 25 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 25% pebble and cobble inclusions; High compaction |
| XHA1.17 | I | 0 | 25 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.17 | II | 25 | 35 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.18 | I | 0 | 22 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.18 | II | 22 | 32 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.19 | I | 0 | 25 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in forested area; Less than 5% pebble inclusions |
| XHA1.19 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% pebble inclusions |
| XHA1.20 | I | 0 | 29 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | 15% pebble inclusions; Moderate compaction |
| XHA1.20 | II | 29 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 20% pebble and cobble inclusions; Moderate compaction |
| XHA1.21 | I | 0 | 41 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |

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|---------|-----|----|----|--|-----------------|--|---|
| XHA1.21 | II | 41 | 51 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 20% rock inclusions |
| XHA1.22 | I | 0 | 20 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | 6 bottle glass; 3 whitewear; 6 pieces of brick | STP located between two old trees; Less than 5% pebble inclusions |
| XHA1.22 | II | 20 | 45 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Less than 5% pebble inclusions |
| XHA1.22 | III | 45 | 55 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% pebble inclusions |
| XHA1.23 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10% rock inclusions; High root content from nearby trees |
| XHA1.23 | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | 60% rock inclusions |
| XHA1.24 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.24 | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.25 | I | 0 | 10 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay | Historic Contents | |
| XHA1.25 | II | 10 | 21 | 10YR 5/2, Grayish Brown, | Sandy Clay | Historic Contents | |

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|---------|-----|----|----|--|-----------------|-----------------------------|---|
| XHA1.25 | III | 21 | 36 | 10YR 3/3, Dark Brown, | Sandy Loam | NCM | 20% rock inclusions |
| XHA1.25 | IV | 36 | 46 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 30% rock inclusions |
| XHA1.26 | I | 0 | 27 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | 15% pebble inclusions; Moderate compaction |
| XHA1.26 | II | 27 | 41 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 20% pebble and cobble inclusions; Moderate compaction |
| XHA1.27 | I | 0 | 40 | 10YR 4/3, Brown, Brown | Silty Loam | 1 piece of glass at 25 cmbs | Charcoal present; Gradual soil color change |
| XHA1.27 | II | 40 | 50 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | |
| XHA1.28 | I | 0 | 44 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.28 | II | 44 | 54 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.29 | I | 0 | 43 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.29 | II | 43 | 53 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |

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|---------|----|----|----|--|-----------------|-----|--|
| XHA1.30 | I | 0 | 35 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 10% cobble inclusions; Moderate compaction |
| XHA1.30 | II | 35 | 47 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 5% pebble inclusions; Moderate compaction |
| XHA1.31 | I | 0 | 33 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.31 | II | 33 | 43 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.32 | I | 0 | 35 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.32 | II | 35 | 45 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.33 | I | 0 | 32 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10% root and 5% pebble inclusions; Moderate compaction |
| XHA1.33 | II | 32 | 42 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 10% pebble inclusions; Moderate compaction |
| XHA1.34 | I | 0 | 35 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |
| XHA1.34 | II | 35 | 45 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 20% rock inclusions |

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|---------|-----|----|----|--|--------------------|-----|--|
| XHA1.35 | I | 0 | 21 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located near field; 20-25% rock inclusions |
| XHA1.35 | II | 21 | 31 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | Minimal rock inclusions |
| XHA1.36 | I | 0 | 20 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in tall grass; Charcoal present; Less than 5% pebble inclusions |
| XHA1.36 | II | 20 | 25 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Less than 5% pebble inclusions |
| XHA1.36 | III | 25 | 35 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% pebble inclusions |
| XHA1.37 | I | 0 | 32 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.37 | II | 32 | 42 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.38 | I | 0 | 32 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10% pebble inclusions; Moderate compaction |
| XHA1.38 | II | 32 | 42 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | 5% pebble inclusions; Moderate compaction |
| XHA1.39 | I | 0 | 42 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located near field; Very compact soil; 20- 25% rock inclusions |
| XHA1.39 | II | 42 | 52 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | |
| XHA1.40 | I | 0 | 10 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in forested area; Less than 5% pebble inclusions |
| XHA1.40 | II | 10 | 40 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Less than 5% pebble inclusions |

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|---------|-----|----|----|--|--------------------|-----|---|
| XHA1.40 | III | 40 | 50 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% pebble inclusions |
| XHA1.41 | I | 0 | 25 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.41 | II | 25 | 35 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.42 | I | 0 | 12 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |
| XHA1.42 | II | 12 | 27 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Sand | NCM | 10% rock inclusions |
| XHA1.42 | III | 27 | 40 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | 10% rock inclusions |
| XHA1.43 | I | 0 | 29 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10% pebble inclusions; Moderate compaction |
| XHA1.43 | II | 29 | 40 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | 5% pebble inclusions; Moderate compaction |
| XHA1.44 | I | 0 | 15 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in tall grass; Less than 5% pebble inclusions |
| XHA1.44 | II | 15 | 30 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Less than 5% pebble inclusions |
| XHA1.44 | III | 30 | 40 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% pebble inclusions |
| XHA1.45 | I | 0 | 29 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |

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|---------|----|----|----|--|-----------------|-----|--|
| XHA1.45 | II | 29 | 39 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.46 | I | 0 | 29 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 20% rock inclusions |
| XHA1.46 | II | 29 | 39 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | 30% rock inclusions |
| XHA1.47 | I | 0 | 25 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in tall grass; Less than 5% pebble inclusions |
| XHA1.47 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% pebble inclusions |
| XHA1.48 | I | 0 | 28 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.48 | II | 28 | 38 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.49 | I | 0 | 21 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located neXt to fence line; Very compact; 10-15% rock inclusions |
| XHA1.49 | II | 21 | 31 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | 10-15% rock inclusions |
| XHA1.50 | I | 0 | 30 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 20% rock inclusions |

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|---------|----|----|----|--|-----------------|-----|---|
| XHA1.50 | II | 30 | 40 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | 30% rock inclusions |
| XHA1.51 | I | 0 | 15 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located in forested area neXt to fence line; Less than 5% pebble inclusions |
| XHA1.51 | II | 15 | 25 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% pebble inclusions |
| XHA1.52 | I | 0 | 18 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.52 | II | 18 | 28 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.53 | I | 0 | 32 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 20% rock inclusions |
| XHA1.53 | II | 32 | 42 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | 30% rock inclusions |
| XHA1.54 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 5% root inclusions; Moderate compaction |
| XHA1.54 | II | 30 | 40 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | 5% root inclusions; Moderate compaction |
| XHA1.55 | I | 0 | 26 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.55 | II | 26 | 36 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |

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|---------|----|----|----|--|-----------------|-----|---|
| XHA1.56 | I | 0 | 25 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located in forested area neXt to fence line; Less than 5% pebble inclusions |
| XHA1.56 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% pebble inclusions |
| XHA1.57 | I | 0 | 18 | 10YR 3/3, Dark Brown, Brown | Silty Loam | NCM | 5-10% rock inclusions; Very compact |
| XHA1.57 | II | 18 | 30 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | 10-15% rock inclusions; Very compact |
| XHA1.58 | I | 0 | 30 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 20% rock inclusions |
| XHA1.58 | II | 30 | 41 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | 30% rock inclusions |
| XHA1.59 | I | 0 | 32 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.59 | II | 32 | 42 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.60 | I | 0 | 25 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located in tall grass; Less than 5% pebble inclusions |
| XHA1.60 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% pebble inclusions |
| XHA1.61 | I | 0 | 27 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 20% rock inclusions |

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|---------|----|----|----|--|-----------------|-----|---|
| XHA1.61 | II | 27 | 40 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | 30% rock inclusions |
| XHA1.62 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located in tall grass; Less than 5% pebble inclusions |
| XHA1.62 | II | 30 | 40 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% pebble inclusions |
| XHA1.63 | I | 0 | 26 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located in overgrown field; 5-10% rock inclusions |
| XHA1.63 | II | 26 | 36 | 10YR 6/4, Light Yellowish Brown, | Clay Loam | NCM | 5-10% rock inclusions; Very compact and mottled subsoil |
| XHA1.64 | I | 0 | 31 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.64 | II | 31 | 41 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.65 | I | 0 | 25 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located in tall grass; 5% pebble inclusions |
| XHA1.65 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% pebble inclusions |
| XHA1.66 | I | 0 | 35 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 20% rock inclusions |
| XHA1.66 | II | 35 | 45 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | 30% rock inclusions |
| XHA1.67 | I | 0 | 36 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |

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|---------|----|----|----|--|------------|-----|--|
| XHA1.67 | II | 36 | 46 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.68 | I | 0 | 34 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located in overgrown field; 10-15% rock inclusions |
| XHA1.68 | II | 34 | 44 | 10YR 6/4, Light Yellowish Brown, | Clay Loam | NCM | 5-10% rock inclusions; Very compact and mottled subsoil |
| XHA1.69 | I | 0 | 25 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located in tall grass; 10% pebble inclusions |
| XHA1.69 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% pebble inclusions |
| XHA1.70 | I | 0 | 28 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 20% rock inclusions |
| XHA1.70 | II | 28 | 38 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | 30% rock inclusions |
| XHA1.71 | I | 0 | 25 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located on two track; Less than 5% pebble inclusions |
| XHA1.71 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% pebble inclusions |
| XHA1.72 | I | 0 | 33 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 20% rock inclusions |
| XHA1.72 | II | 33 | 43 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | 30% rock inclusions |

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|---------|----|----|----|--|-----------------|-----|--|
| XHA1.73 | I | 0 | 29 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.73 | II | 29 | 39 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.74 | I | 0 | 29 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located in overgrown field; 10-15% rock inclusions |
| XHA1.74 | II | 29 | 39 | 10YR 6/4, Light Yellowish Brown, | Clay Loam | NCM | 5-10% rock inclusions; Very compact and mottled subsoil |
| XHA1.75 | I | 0 | 36 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | 25% rock inclusions |
| XHA1.75 | II | 36 | 46 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | 25% rock inclusions |
| XHA1.76 | I | 0 | 32 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | |
| XHA1.76 | II | 32 | 42 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.77 | I | 0 | 25 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located in forested area; Less than 5% pebble inclusions |
| XHA1.77 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% pebble inclusions |
| XHA1.78 | I | 0 | 31 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.78 | II | 31 | 41 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |

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|---------|-----|----|----|--|-----------------|-----|---|
| XHA1.79 | I | 0 | 34 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 20% rock inclusions |
| XHA1.79 | II | 34 | 44 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | 20% rock inclusions |
| XHA1.80 | I | 0 | 30 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area neXt to fence line; Less than 5% pebble inclusions |
| XHA1.80 | II | 30 | 40 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | Less than 5% pebble inclusions |
| XHA1.81 | I | 0 | 21 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.81 | II | 21 | 31 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.82 | I | 0 | 26 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.82 | II | 26 | 36 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.83 | I | 0 | 15 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Moist 5%; 15% rock inclusions |
| XHA1.83 | II | 15 | 30 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | Moist 10%; 10% rock inclusions |
| XHA1.83 | III | 30 | 40 | 10YR 5/3, Brown, Brown | Clay | NCM | Moist 10%; Less than 5% rock inclusions |

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|---------|-----|----|----|--|-----------------|-----|---|
| XHA1.84 | I | 0 | 7 | 10YR 2/1, Black, Black | Loam | NCM | Humic soil; Dense root matrix |
| XHA1.84 | II | 7 | 17 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 55% root inclusions; Moderate compaction; Stopped due to root impasse |
| XHA1.85 | I | 0 | 12 | 10YR 3/3, Dark Brown, | Sandy Loam | NCM | 40-50% rock inclusions; Very dark soil |
| XHA1.85 | II | 12 | 40 | 10YR 4/3, Brown, Brown | Sandy Loam | NCM | 50-60% rock inclusions; Stopped due to rock impasse |
| XHA1.86 | I | 0 | 12 | 10YR 3/3, Dark Brown, | Sandy Loam | NCM | 20% rock inclusions |
| XHA1.86 | II | 12 | 45 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 20% rock inclusions |
| XHA1.86 | III | 45 | 55 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | 60% rock inclusions |
| XHA1.87 | I | 0 | 26 | 10YR 3/2, Very Dark Grayish Brown, | Silty Clay Loam | NCM | 10% root and 5% pebble inclusions; Moderate compaction |
| XHA1.87 | II | 26 | 37 | 10YR 5/2, Grayish Brown, | Silty Clay | NCM | 20% pebble and cobble inclusions; Moderate compaction |
| XHA1.88 | I | 0 | 10 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in forested area; Moist 5%; 5% rock inclusions |
| XHA1.88 | II | 10 | 25 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | Moist 10%; 5% rock inclusions |
| XHA1.88 | III | 25 | 35 | 10YR 5/3, Brown, Brown | Clay | NCM | Moist 10%; 5% rock inclusions |

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|---------|-----|----|----|--|-----------------|-----|--|
| XHA1.89 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.89 | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.90 | I | 0 | 23 | 10YR 2/2, Very Dark Brown, | Loam | NCM | Minimal rock content; Very high root content |
| XHA1.90 | II | 23 | 40 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 20-30% rock inclusions |
| XHA1.90 | III | 40 | 50 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | |
| XHA1.91 | I | 0 | 10 | 10YR 3/3, Dark Brown, | Sandy Loam | NCM | 20% rock inclusions |
| XHA1.91 | II | 10 | 21 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 20% rock inclusions |
| XHA1.91 | III | 21 | 31 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | 60% rock inclusions |
| XHA1.92 | I | 0 | 10 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in forested area; Less than 5% pebble inclusions |
| XHA1.92 | II | 10 | 45 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Less than 5% pebble inclusions |
| XHA1.92 | III | 45 | 55 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% pebble inclusions |

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|---------|----|----|----|--|-----------------|-----|--|
| XHA1.93 | I | 0 | 29 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 25% root inclusions; Moderate compaction |
| XHA1.93 | II | 29 | 39 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | 10% root inclusions; Moderate compaction |
| XHA1.94 | I | 0 | 25 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in forested area; Less than 5% pebble inclusions |
| XHA1.94 | II | 25 | 35 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | Less than 5% pebble inclusions |
| XHA1.95 | I | 0 | 39 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | |
| XHA1.95 | II | 39 | 49 | 10YR 6/3, Pale Brown, Pale Brown | Sandy Clay | NCM | 25% rock inclusions |
| XHA1.96 | I | 0 | 24 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located in forested area; 5-10% rock inclusions |
| XHA1.96 | II | 24 | 34 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | Very compact soil; 5-10% rock inclusions |
| XHA1.97 | I | 0 | 15 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.97 | II | 15 | 25 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.98 | I | 0 | 25 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in forested area; Less than 5% pebble inclusions |

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|----------|----|----|----|--|--------------------|-----|---|
| XHA1.98 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% pebble inclusions |
| XHA1.99 | I | 0 | 24 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 25% root inclusions; Moderate compaction |
| XHA1.99 | II | 24 | 35 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | 10% root inclusions; Moderate compaction |
| XHA1.100 | I | 0 | 10 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.100 | II | 10 | 20 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.101 | I | 0 | 37 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | |
| XHA1.101 | II | 37 | 47 | 10YR 6/3, Pale Brown, Pale Brown | Sandy Clay | NCM | 25% rock inclusions |
| XHA1.102 | I | 0 | 35 | 10YR 4/3, Brown, Brown | Sandy Loam | NCM | |
| XHA1.102 | II | 35 | 45 | 10YR 6/3, Pale Brown, Pale Brown | Sandy Clay | NCM | |
| XHA1.103 | I | 0 | 40 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located near field; Very compact soil; 20-25% rock inclusions |
| XHA1.103 | II | 40 | 50 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | |

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|----------|----|----|----|--|-----------------|---------------------------|---|
| XHA1.104 | I | 0 | 27 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | 1 piece of glass with Apz | |
| XHA1.104 | II | 27 | 37 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.105 | I | 0 | 34 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Less than 5% pebble inclusions; Moderate compaction |
| XHA1.105 | II | 34 | 45 | 10YR 5/3, Brown, Brown | Silty Clay Loam | NCM | Moderate compaction |
| XHA1.106 | I | 0 | 33 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Minimal rock inclusions |
| XHA1.106 | II | 33 | 43 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | |
| XHA1.107 | I | 0 | 31 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.107 | II | 31 | 41 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.108 | I | 0 | 32 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.108 | II | 32 | 42 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.109 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10-15% rock inclusions; Hydric soil |

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|----------|----|----|----|--|-----------------|-----|-------------------------------------|
| XHA1.109 | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | |
| XHA1.110 | I | 0 | 31 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Moderate compaction |
| XHA1.110 | II | 31 | 41 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | Moderate compaction |
| XHA1.111 | I | 0 | 32 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 20% rock inclusions |
| XHA1.111 | II | 32 | 42 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Sandy Clay | NCM | 20% rock inclusions |
| XHA1.112 | I | 0 | 34 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.112 | II | 34 | 44 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.113 | I | 0 | 28 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10-15% rock inclusions; Hydric soil |
| XHA1.113 | II | 28 | 38 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | |
| XHA1.114 | I | 0 | 30 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 20% rock inclusions |

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|----------|----|----|----|--|-----------------|-----|-------------------------------------|
| XHA1.114 | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Sandy Clay | NCM | 20% rock inclusions |
| XHA1.115 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.115 | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.116 | I | 0 | 26 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10-15% rock inclusions; Hydric soil |
| XHA1.116 | II | 26 | 36 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | |
| XHA1.117 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Moderate compaction |
| XHA1.117 | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | Moderate compaction |
| XHA1.118 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Moderate compaction |
| XHA1.118 | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | Moderate compaction |
| XHA1.119 | I | 0 | 28 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |
| XHA1.119 | II | 28 | 38 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 20% rock inclusions |

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|----------|----|----|----|--|-----------------|-----|---|
| XHA1.120 | I | 0 | 32 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.120 | II | 32 | 42 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 10-15% rock inclusions; Hydric soil |
| XHA1.121 | I | 0 | 28 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | |
| XHA1.121 | II | 28 | 38 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | |
| XHA1.122 | I | 0 | 33 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |
| XHA1.122 | II | 33 | 43 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 20% rock inclusions |
| XHA1.123 | I | 0 | 29 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.123 | II | 29 | 39 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.124 | I | 0 | 29 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.124 | II | 29 | 39 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.125 | I | 0 | 17 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10-15% rock inclusions; Hydric soil; Natural unmodified chert present |

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|----------|----|----|----|--|-----------------|-----|-------------------------------------|
| XHA1.125 | II | 17 | 27 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | |
| XHA1.126 | I | 0 | 30 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |
| XHA1.126 | II | 30 | 40 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 20% rock inclusions |
| XHA1.127 | I | 0 | 35 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.127 | II | 35 | 45 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.128 | I | 0 | 31 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10-15% rock inclusions; Hydric soil |
| XHA1.128 | II | 31 | 41 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | |
| XHA1.129 | I | 0 | 32 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Moderate compaction |
| XHA1.129 | II | 32 | 44 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | Moderate compaction |
| XHA1.130 | I | 0 | 25 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |

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|----------|----|----|----|--|-----------------|-----|---|
| XHA1.130 | II | 25 | 36 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 20% rock inclusions |
| XHA1.131 | I | 0 | 29 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.131 | II | 29 | 39 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.132 | I | 0 | 27 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Moderate compaction |
| XHA1.132 | II | 27 | 39 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | Moderate compaction |
| XHA1.133 | I | 0 | 32 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |
| XHA1.133 | II | 32 | 42 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 20% rock inclusions |
| XHA1.134 | I | 0 | 29 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.134 | II | 29 | 39 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.135 | I | 0 | 30 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | 5-10% rock inclusions; Hydric soil |
| XHA1.135 | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | Very compact and hydric soil; Large cobbles |

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|----------|-----|----|----|---|-----------------|-----|---|
| XHA1.136 | I | 0 | 29 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Loam | NCM | 20% pebble and cobble inclusions; Moderate compaction |
| XHA1.136 | II | 29 | 39 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown with 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | 25% pebble and cobble inclusions; Moderate compaction |
| XHA1.137 | I | 0 | 30 | 10YR 2/2, Very Dark Brown, | Silty Clay Loam | NCM | |
| XHA1.137 | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.138 | I | 0 | 6 | 10YR 2/2, Very Dark Brown, | Loam | NCM | Humic soil; Moderate root matrix |
| XHA1.138 | II | 6 | 29 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10% root inclusions; Moderate compaction |
| XHA1.138 | III | 29 | 40 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | Moderate compaction |
| XHA1.139 | I | 0 | 12 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | Hydric soil; Minimal rock inclusions |
| XHA1.139 | II | 12 | 30 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Hydric soil; Minimal rock inclusions |
| XHA1.139 | III | 30 | 40 | 10YR 5/6, Yellow Brown, Yellowish Brown | Clay Loam | NCM | Hydric soil; Minimal rock inclusions |

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|----------|-----|----|----|--|-----------------|-----|---|
| XHA1.140 | I | 0 | 30 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |
| XHA1.140 | II | 30 | 40 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 20% rock inclusions |
| XHA1.141 | I | 0 | 45 | 10YR 2/2, Very Dark Brown, | Silty Clay Loam | NCM | |
| XHA1.141 | II | 45 | 55 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.142 | I | 0 | 6 | 10YR 2/2, Very Dark Brown, | Loam | NCM | Humic soil; Moderate root matrix |
| XHA1.142 | II | 6 | 27 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10% root inclusions; Moderate compaction |
| XHA1.142 | III | 27 | 39 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | Moderate compaction |
| XHA1.143 | I | 0 | 42 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |
| XHA1.143 | II | 42 | 53 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 20% rock inclusions |
| XHA1.144 | I | 0 | 7 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | STP located next to two track; Minimal rock content; Moderate root matter |
| XHA1.144 | II | 7 | 35 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | Hydric soil; Large cobbles |

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|----------|-----|----|----|--|-----------------|-----|--|
| XHA1.144 | III | 35 | 45 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | Hydric soil; Heavy clay content |
| XHA1.145 | I | 0 | 15 | 10YR 2/2, Very Dark Brown, | Silty Clay Loam | NCM | |
| XHA1.145 | II | 15 | 25 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.146 | I | 0 | 18 | 10YR 3/2, Very Dark Grayish Brown, | Sandy Loam | NCM | 10% inclusions |
| XHA1.146 | II | 18 | 29 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 10% inclusions |
| XHA1.147 | I | 0 | 5 | 10YR 2/2, Very Dark Brown, | Loam | NCM | Humic soil; Moderate root matrix |
| XHA1.147 | II | 5 | 11 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10% root inclusions; Moderate compaction |
| XHA1.147 | III | 11 | 25 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | Moderate compaction |
| XHA1.148 | I | 0 | 5 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in forested area; Minimal rock content |
| XHA1.148 | II | 5 | 20 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | Hydric soil; Minimal rock inclusions |
| XHA1.148 | III | 20 | 30 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Clay Loam | NCM | Hydric and compact soil |
| XHA1.149 | I | 0 | 32 | 10YR 2/2, Very Dark Brown, | Silty Clay Loam | NCM | |

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|----------|-----|----|----|--|-----------------|-----|---|
| XHA1.149 | II | 32 | 42 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.150 | I | 0 | 10 | 10YR 3/3, Dark Brown, | Sandy Loam | NCM | 10% inclusions |
| XHA1.150 | II | 10 | 32 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% inclusions |
| XHA1.150 | III | 32 | 42 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 10% inclusions |
| XHA1.151 | I | 0 | 9 | 10YR 2/2, Very Dark Brown, | Loam | NCM | Humic soil; Moderate root matrix |
| XHA1.151 | II | 9 | 14 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 15% root inclusions; Moderate compaction |
| XHA1.151 | III | 14 | 25 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | 5% root inclusions; Moderate compaction |
| XHA1.152 | I | 0 | 12 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Hydric soil; Minimal rock and root inclusions |
| XHA1.152 | II | 12 | 30 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | Hydric and compact soil; Very yellow soil |
| XHA1.153 | I | 0 | 34 | 10YR 2/2, Very Dark Brown, | Silty Clay Loam | NCM | |
| XHA1.153 | II | 34 | 44 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |

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|----------|-----|----|----|--|-----------------|-----|--------------------------------------|
| XHA1.154 | I | 0 | 11 | 10YR 3/3, Dark Brown, | Sandy Loam | NCM | 10% rock inclusions |
| XHA1.154 | II | 11 | 30 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |
| XHA1.154 | III | 30 | 40 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 10% rock inclusions |
| XHA1.155 | I | 0 | 13 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | Hydric soil; Minimal rock inclusions |
| XHA1.155 | II | 13 | 30 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Hydric soil; Minimal rock inclusions |
| XHA1.155 | III | 30 | 40 | 10YR 5/6, Yellow Brown, Yellowish Brown | Clay Loam | NCM | Hydric soil; Minimal rock inclusions |
| XHA1.156 | I | 0 | 29 | 10YR 2/2, Very Dark Brown, | Silty Clay Loam | NCM | |
| XHA1.156 | II | 29 | 39 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.157 | I | 0 | 33 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |
| XHA1.157 | II | 33 | 43 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Sandy Clay | NCM | 10% rock inclusions |
| XHA1.158 | I | 0 | 21 | 10YR 2/2, Very Dark Brown, | Silty Clay Loam | NCM | |

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|----------|-----|----|----|--|-----------------|-----|---|
| XHA1.158 | II | 21 | 31 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.159 | I | 0 | 12 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | STP located on edge of field and pushpile; Minimal rock and root inclusions |
| XHA1.159 | II | 12 | 31 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Minimal rock and root inclusions |
| XHA1.159 | III | 31 | 41 | 10YR 5/6, Yellow Brown, Yellowish Brown | Clay Loam | NCM | Minimal rock and root inclusions |
| XHA1.160 | I | 0 | 29 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 5% root inclusions; Moderate compaction |
| XHA1.160 | II | 29 | 41 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | 5% rock inclusions; Moderate compaction |
| XHA1.161 | I | 0 | 31 | 10YR 2/2, Very Dark Brown, | Silty Clay Loam | NCM | |
| XHA1.161 | II | 31 | 41 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.162 | I | 0 | 40 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |
| XHA1.162 | II | 40 | 50 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Sandy Clay | NCM | 10% rock inclusions |
| XHA1.163 | I | 0 | 33 | 10YR 2/2, Very Dark Brown, | Silty Clay Loam | NCM | |

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|----------|----|----|----|--|-----------------|-----|---|
| XHA1.163 | II | 33 | 43 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.164 | I | 0 | 25 | 10YR 2/2, Very Dark Brown, | Silty Clay Loam | NCM | |
| XHA1.164 | II | 25 | 35 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.165 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 5% root inclusions; Moderate compaction |
| XHA1.165 | II | 30 | 40 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | 5% rock inclusions; Moderate compaction |
| XHA1.166 | I | 0 | 28 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 10% rock inclusions |
| XHA1.166 | II | 28 | 38 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 10% rock inclusions |
| XHA1.167 | I | 0 | 31 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located in field |
| XHA1.167 | II | 31 | 41 | 10YR 5/6, Yellow Brown, Yellowish Brown | Clay Loam | NCM | |
| XHA1.168 | I | 0 | 48 | 10YR 2/2, Very Dark Brown, | Silty Clay Loam | NCM | |
| XHA1.168 | II | 48 | 58 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |

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|----------|----|----|----|--|-----------------|-----|---|
| XHA1.169 | I | 0 | 45 | 10YR 2/2, Very Dark Brown, | Silty Loam | NCM | Hydric soil; Minimal rock and root inclusions |
| XHA1.169 | II | 45 | 55 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Clay Loam | NCM | Hydric soil; Minimal rock and root inclusions |
| XHA1.170 | I | 0 | 28 | 10YR 3/2, Very Dark Grayish Brown, | Silty Clay Loam | NCM | 10% root and 10% pebble inclusions; Moderate compaction |
| XHA1.170 | II | 28 | 38 | 10YR 5/6, Yellow Brown, Yellowish Brown with YR 6/2, | Silty Clay | NCM | 15% pebble inclusions; Moderate compaction |
| XHA1.171 | I | 0 | 25 | 10YR 4/3, Brown, Brown | Silty Clay | NCM | Less than 1% rock inclusions |
| XHA1.171 | II | 25 | 35 | 10YR 6/1, Gray, | Clay | NCM | Less than 1% rock inclusions |
| XHA1.172 | I | 0 | 43 | 10YR 2/2, Very Dark Brown, | Silty Clay Loam | NCM | |
| XHA1.172 | II | 43 | 53 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.173 | I | 0 | 18 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | Hydric soil; Minimal rock inclusions |
| XHA1.173 | II | 18 | 28 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Clay Loam | NCM | |
| XHA1.174 | I | 0 | 15 | 10YR 3/2, Very Dark Grayish Brown, | Silty Clay Loam | NCM | 15% pebble and 5% root inclusions; Moderate compaction |
| XHA1.174 | II | 15 | 29 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay | NCM | 20% pebble inclusions; Moderate compaction |

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|----------|----|----|----|--|-----------------|-----|--|
| XHA1.175 | I | 0 | 31 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | 15% root inclusions; Moderate compaction; Light charcoal throughout; 1 piece of rusted metal (not collected) |
| XHA1.175 | II | 31 | 44 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 5% root inclusions; Moderate compaction |
| XHA1.176 | I | 0 | 41 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | Less than 1% rock inclusions |
| XHA1.176 | II | 41 | 51 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Sandy Clay | NCM | Less than 1% rock inclusions |
| XHA1.177 | I | 0 | 44 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.177 | II | 44 | 54 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.178 | I | 0 | 30 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Loam | NCM | 20% root inclusions; Moderate compaction |
| XHA1.178 | II | 30 | 40 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | 5% root inclusions; Moderate compaction |
| XHA1.179 | I | 0 | 45 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 10% inclusions |

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| XHA1.179 | II | 45 | 55 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 20% inclusions |
| XHA1.180 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.180 | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.181 | I | 0 | 25 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.181 | II | 25 | 35 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.182 | I | 0 | 27 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 10% inclusions |
| XHA1.182 | II | 27 | 37 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | 20% inclusions |
| XHA1.183 | I | 0 | 31 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | 20% root and 10% pebble and cobble inclusions; Moderate compaction |
| XHA1.183 | II | 31 | 42 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | 5% root and less than 5% pebble inclusions; Moderate compaction |
| XHA1.184 | I | 0 | 23 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.184 | II | 23 | 33 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |

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|----------|----|----|----|--|-----------------|-----|---|
| XHA1.185 | I | 0 | 29 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% inclusions |
| XHA1.185 | II | 29 | 39 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 20% inclusions |
| XHA1.186 | I | 0 | 32 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 10% root and 10% pebble inclusions; Moderate compaction |
| XHA1.186 | II | 32 | 44 | 10YR 5/6, Yellow Brown, Yellowish Brown | Clay Loam | NCM | 10% pebble inclusions; Moderate compaction |
| XHA1.187 | I | 0 | 18 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.187 | II | 18 | 28 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.188 | I | 0 | 39 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.188 | II | 39 | 49 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.189 | I | 0 | 34 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | 5% pebble inclusions; Moderate compaction |
| XHA1.189 | II | 34 | 44 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | 5% pebble inclusions; Moderate compaction |

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|----------|----|----|----|--|-----------------|-----|---|
| XHA1.190 | I | 0 | 37 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |
| XHA1.190 | II | 37 | 47 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 25% rock inclusions |
| XHA1.191 | I | 0 | 35 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |
| XHA1.191 | II | 35 | 45 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 25% rock inclusions |
| XHA1.192 | I | 0 | 36 | 10YR 3/2, Very Dark Grayish Brown, | Silty Clay Loam | NCM | 10% pebble and cobble inclusions; Moderate compaction |
| XHA1.192 | II | 36 | 47 | 10YR 6/3, Pale Brown, Pale Brown | Silty Clay | NCM | 10% pebble and cobble inclusions; Moderate compaction |
| XHA1.193 | I | 0 | 20 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.193 | II | 20 | 30 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.194 | I | 0 | 30 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |
| XHA1.194 | II | 30 | 40 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 25% rock inclusions |

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|----------|----|----|----|--|-----------------|-----|---|
| XHA1.195 | I | 0 | 35 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.195 | II | 35 | 45 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.196 | I | 0 | 33 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | Less than 5% pebble inclusions; Moderate compaction |
| XHA1.196 | II | 33 | 43 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | Less than 5% pebble inclusions; Moderate compaction |
| XHA1.197 | I | 0 | 31 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.197 | II | 31 | 41 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.198 | I | 0 | 32 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |
| XHA1.198 | II | 32 | 43 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 25% rock inclusions |
| XHA1.199 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | Less than 5% pebble inclusions; Moderate compaction |
| XHA1.199 | II | 30 | 40 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | Less than 5% pebble inclusions; Moderate compaction |
| XHA1.200 | I | 0 | 32 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |

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|----------|----|----|----|---|-----------------|-----|---|
| XHA1.200 | II | 32 | 42 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.201 | I | 0 | 30 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |
| XHA1.201 | II | 30 | 40 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 25% rock inclusions |
| XHA1.202 | I | 0 | 33 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | 5% pebble inclusions; Moderate compaction |
| XHA1.202 | II | 33 | 45 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown with 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | 5% pebble inclusions; Moderate compaction |
| XHA1.203 | I | 0 | 31 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.203 | II | 31 | 41 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.204 | I | 0 | 29 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% rock inclusions |
| XHA1.204 | II | 29 | 39 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 25% rock inclusions |

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|----------|----|----|----|---|-----------------|-----|---|
| XHA1.205 | I | 0 | 36 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XHA1.205 | II | 36 | 46 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XHA1.206 | I | 0 | 37 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | 5% pebble inclusions; Moderate compaction |
| XHA1.206 | II | 37 | 48 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown with 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | 10% pebble inclusions; Moderate compaction |
| XHA1.207 | I | 0 | 45 | 10YR 5/2, Grayish Brown, | Silty Clay | NCM | Very hydric soil; Less than 10% rock inclusions |
| XHA1.207 | II | 45 | 55 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | Very hydric soil; Less than 10% rock inclusions |
| XIB.01 | I | 0 | 19 | 10YR 2/2, Very Dark Brown, | Silty Clay Loam | NCM | |
| XIB.01 | II | 19 | 29 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XIB.02 | I | 0 | 15 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | 10% rock inclusions |
| XIB.02 | II | 15 | 25 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 10% rock inclusions |

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|--------|-----|----|----|--|-----------------|-----|---|
| XIB.03 | I | 0 | 7 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Loam | NCM | Minimal ground cover |
| XIB.03 | II | 7 | 30 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Hydric soil; Minimal rock content |
| XIB.03 | III | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | Hydric soil; Minimal rock content; Heavy clay content |
| XIB.04 | I | 0 | 11 | 10YR 3/2, Very Dark Grayish Brown, | Silty Clay Loam | NCM | 10% root inclusions; Moderate compaction |
| XIB.04 | II | 11 | 23 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Less than 5% pebble inclusions; Moderate compaction |
| XIB.05 | I | 0 | 10 | 10YR 3/2, Very Dark Grayish Brown, | Sandy Loam | NCM | 10% rock inclusions |
| XIB.05 | II | 10 | 32 | 10YR 4/3, Brown, Brown | Sandy Loam | NCM | 10% rock inclusions |
| XIB.05 | III | 32 | 42 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Sandy Clay | NCM | 10% rock inclusions |
| XIB.06 | I | 0 | 10 | 10YR 2/2, Very Dark Brown, | Silty Clay Loam | NCM | |
| XIB.06 | II | 10 | 20 | 10YR 5/4, | Silty Clay | NCM | |
| XIB.07 | I | 0 | 13 | 10YR 3/2, Very Dark Grayish Brown, | Silty Clay Loam | NCM | 10% root inclusions; Moderate compaction |
| XIB.07 | II | 13 | 25 | 10YR 5/3, Brown, Brown | Silty Loam | NCM | Less than 5% pebble inclusions; Moderate compaction |
| XIB.08 | I | 0 | 19 | 10YR 2/2, Very Dark Brown, | Silty Clay Loam | NCM | |

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|----------|----|----|----|--|-----------------|-----|--|
| XIB.08 | II | 19 | 29 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XLA37.02 | I | 0 | 10 | 10YR 3/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 15% root inclusions; Moderate compaction |
| XLA37.02 | II | 10 | 22 | 10YR 6/4, Light Yellowish Brown, | Silty Clay | NCM | Less than 5% root inclusions; Moderate compaction |
| XLA37.03 | I | 0 | 20 | 10YR 2/1, Black, Black | Sandy Loam | NCM | Moist 25% |
| XLA37.03 | II | 20 | 35 | 10YR 4/3, Brown, Brown | Silty Clay | NCM | Moist 25%; Heavy root content; Stopped due to rock impasse |
| XLA38.01 | I | 0 | 18 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | 15% channers inclusions |
| XLA38.01 | II | 18 | 28 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 10% channers inclusions |
| XLA38.02 | I | 0 | 23 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Loam | NCM | STP located in logging pushpile at edge of field |
| XLA38.02 | II | 23 | 25 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | Cobbles present; Stopped due to root impasse |
| XLA38.03 | I | 0 | 12 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Loam | NCM | STP located in logging pushpile at edge of field; Gravel present |
| XLA38.03 | II | 12 | 22 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | Heavy gravel present |

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|----------|----|----|----|--|--------------------|-----|---|
| XLA38.04 | I | 0 | 24 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 15% channers inclusions |
| XLA38.04 | II | 24 | 34 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 10% channers inclusions |
| XLA38.05 | I | 0 | 10 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | STP located at edge of tree line; Heavy gravel present |
| XLA38.05 | II | 10 | 20 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | Heavy gravel present |
| XLA38.06 | I | 0 | 34 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 15% root and 5% pebble inclusions; Moderate compaction |
| XLA38.06 | II | 34 | 54 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 5% root and 5% pebble inclusions; Moderate compaction |
| XLA38.07 | I | 0 | 25 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | STP located near downed trees; 15% pebble inclusions |
| XLA38.07 | II | 25 | 35 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 15% pebble inclusions |
| XLA38.08 | I | 0 | 21 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 5% pebble inclusions |

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|----------|-----|----|----|--|-----------------|-----|--|
| XLA38.08 | II | 21 | 38 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 5% pebble inclusions |
| XLA38.09 | I | 0 | 6 | 10YR 2/2, Very Dark Brown, | Loam | NCM | Humic soil; Light root content |
| XLA38.09 | II | 6 | 32 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 10% root inclusions; Less than 5% gravel inclusions; Moderate compaction |
| XLA38.09 | III | 32 | 44 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | Less than 5% root inclusions; 5% gravel inclusions; Moderate compaction |
| XLA38.10 | I | 0 | 21 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 10% cobble and 5% pebble inclusions |
| XLA38.10 | II | 21 | 34 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 5% pebble inclusions |
| XLA38.15 | I | 0 | 20 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 15% channers inclusions |
| XLA38.15 | II | 20 | 30 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 10% channers inclusions |
| XLA38.16 | I | 0 | 15 | 10YR 3/3, Dark Brown, | Sandy Loam | NCM | Moist 25% |
| XLA38.16 | II | 15 | 28 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 25%; Stopped due to rock impasse |
| XLA38.17 | I | 0 | 5 | 10YR 3/3, Dark Brown, | Sandy Loam | NCM | Moist 25% |

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|----------|----|----|----|--|-----------------|-----|---|
| XLA38.17 | II | 5 | 25 | 10YR 5/2, Grayish Brown, | Silty Clay | NCM | Moist 25%; Heavy root content; Stopped due to rock impasse |
| XLA38.18 | I | 0 | 10 | 10YR 3/3, Dark Brown, | Sandy Loam | NCM | Moist 25% |
| XLA38.18 | II | 10 | 30 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 25%; Heavy root content; Stopped due to rock impasse |
| XLA38.19 | I | 0 | 5 | 10YR 2/1, Black, Black | Sandy Loam | NCM | Moist 25% |
| XLA38.19 | II | 5 | 30 | 10YR 4/3, Brown, Brown | Silty Clay | NCM | Moist 25%; Heavy root content; Stopped due to rock impasse |
| XLA38.20 | I | 0 | 30 | 10YR 3/3, Dark Brown, | Silty Clay Loam | NCM | 5% root inclusions; Moderate compaction |
| XLA38.20 | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | Less than 5% gravel inclusions; Moderate compaction |
| XLYB1.01 | I | 0 | 25 | 10YR 2/1, Black, Black | Silty Clay | NCM | STP located in a dense forested area; Moist 15%; Less than 5% pebble inclusions |
| XLYB1.01 | II | 25 | 35 | 10YR 5/3, Brown | Silty Clay | NCM | Moist 25%; Less than 5% pebble inclusions |
| XLYB1.02 | I | 0 | 16 | 10YR 2/2, Very Dark Brown, | Silty Clay Loam | NCM | |
| XLYB1.02 | II | 16 | 26 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XLYB1.03 | I | 0 | 25 | 10YR 2/1, Black, Black | Silty Loam | NCM | Stopped water table at 17 cmbs |
| XLYB1.04 | I | 0 | 25 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Sand | NCM | Less than 1% pebble inclusions |

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| XLYB1.04 | II | 25 | 35 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | Less than 1% pebble inclusions |
| XLYB1.05 | I | 0 | 35 | 10YR 2/1, Black, Black | Silty Clay | NCM | STP located in dense forested area; Moist 25%; Less than 5% pebble inclusions; Stopped due to water table |
| XLYB1.06 | I | 0 | 25 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Clay Loam | NCM | 10% root inclusions; Moderate compaction |
| XLYB1.06 | II | 25 | 35 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | Less than 5% root inclusions; Moderate compaction |
| XLYB1.07 | I | 0 | 14 | 10YR 2/2, Very Dark Brown, | Silty Clay Loam | NCM | |
| XLYB1.07 | II | 0 | 14 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XLYB1.08 | I | 0 | 19 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | STP located neXt to a tree; 10% rock inclusions |
| XLYB1.08 | II | 19 | 30 | 10YR 4/3, Brown, Brown | Clay Loam | NCM | 10% rock inclusions |
| XLYB1.09 | I | 0 | 18 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Loam | NCM | 5% cobble and 1% pebble inclusions |
| XLYB1.09 | II | 18 | 28 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Clay | NCM | 5% cobble and 1% pebble inclusions |

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| XLYB1.09 | III | 28 | 38 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 5% cobble and 1% pebble inclusions |
| XLYB1.10 | I | 0 | 15 | 10YR 2/1, Black, Black | Silty Clay | NCM | STP located in woodland; Moist 10%; Less than 5% pebble inclusions |
| XLYB1.10 | II | 15 | 25 | 10YR 5/5, | Silty Clay | NCM | Moist 10%; Less than 5% pebble inclusions; Gradual color change between Strats II and III |
| XLYB1.10 | III | 25 | 35 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 10%; Less than 5% pebble inclusions |
| XLYB1.11 | I | 0 | 18 | 10YR 2/2, Very Dark Brown, | Silty Clay Loam | NCM | |
| XLYB1.11 | II | 18 | 28 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XLYB1.12 | I | 0 | 30 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Clay Loam | NCM | 20% root inclusions; moderate compaction |
| XLYB1.12 | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 10% root inclusions; moderate compaction |
| XLYB1.13 | I | 0 | 15 | 10YR 2/1, Black, Black | Silty Clay | NCM | STP located in woodland; Moist 10%; Less than 5% pebble inclusions |
| XLYB1.13 | II | 15 | 25 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 10%; Less than 5% pebble inclusions |
| XLYB1.14 | I | 0 | 29 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Clay Loam | NCM | 25% root inclusions; Moderate compaction |
| XLYB1.14 | II | 29 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 10% root inclusions; moderate compaction |

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|----------|----|----|----|--|-----------------|-----|---|
| XLYB1.15 | I | 0 | 16 | 10YR 2/2, Very Dark Brown, | Silty Clay Loam | NCM | |
| XLYB1.15 | II | 16 | 26 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XLYB1.16 | I | 0 | 25 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | Less than 1% pebble inclusions |
| XLYB1.16 | II | 25 | 35 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | Less than 1% pebble inclusions |
| XLYB1.17 | I | 0 | 23 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | STP located neXt to a tree; Hydric soil |
| XLYB1.17 | II | 23 | 33 | 10YR 4/3, Brown, Brown | Clay Loam | NCM | No rocks |
| XLYB1.18 | I | 0 | 25 | 10YR 2/1, Black, Black | Silty Clay | NCM | STP located in dense forested area; Moist 25%; Less than 5% pebble inclusions; Stopped due to water table |
| XLYB1.19 | I | 0 | 32 | 10YR 3/2, Very Dark Grayish Brown, | Silty Clay Loam | NCM | Hydric soil; 5% root inclusions; Low compaction; Stopped due to water table |
| XLYB1.20 | I | 0 | 18 | 10YR 2/2, Very Dark Brown, | Silty Clay Loam | NCM | |
| XLYB1.20 | II | 18 | 24 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XLYB1.21 | I | 0 | 28 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | Less than 1% pebble inclusions |

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|----------|-----|----|----|--|-----------------|-----|--|
| XLYB1.21 | II | 28 | 39 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Sandy Clay | NCM | Less than 1% pebble inclusions |
| XLYB1.22 | I | 0 | 15 | 10YR 2/1, Black, Black | Silty Clay | NCM | STP located in woodland; Moist 10%; Less than 5% pebble inclusions |
| XLYB1.22 | II | 15 | 35 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | Moist 10%; Less than 5% pebble inclusions |
| XLYB1.22 | III | 35 | 45 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 10%; Less than 5% pebble inclusions |
| XLYB1.23 | I | 0 | 22 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | Heavy root content |
| XLYB1.23 | II | 22 | 32 | 10YR 4/3, Brown, Brown BrownBrownwith 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | |
| XLYB1.24 | I | 0 | 29 | 10YR 3/2, Very Dark Grayish Brown, | Clay Loam | NCM | Hydric soil; 15% root inclusions; Low compaction |
| XLYB1.24 | II | 29 | 42 | 10YR 5/4, Yellowish Brown, Yellowish Brown with 7.5YR 5/6, Stong Brown, | Silty Clay Loam | NCM | 5% root inclusions; Moderate compaction |
| XLYB1.25 | I | 0 | 33 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located open grassy field; 5-40% rock inclusions |
| XLYB1.25 | II | 33 | 45 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XLYB1.25 | III | 45 | 55 | 10YR 5/1, Gray, | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |

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|----------|----|----|----|--|--------------------|-----|---|
| XLYB1.26 | I | 0 | 32 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | Hydric soil; 15% root inclusions; Low compaction |
| XLYB1.26 | II | 32 | 44 | 10YR 5/3, Brown, Brown with 7.5YR 5/6, Stong Brown, | Silty Clay Loam | NCM | Less than 5% root inclusions; Moderate compaction |
| XLYB1.27 | I | 0 | 27 | 10YR 2/2, Very Dark Brown, | Silty Clay Loam | NCM | |
| XLYB1.27 | II | 27 | 37 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XLYB1.28 | I | 0 | 17 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XLYB1.28 | II | 17 | 27 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XLYB1.29 | I | 0 | 15 | 10YR 3/1, Very Dark Grayish Brown, | Clay | NCM | STP located in a two-track; Moist 5%; 5% pebble inclusions |
| XLYB1.29 | II | 15 | 35 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 5%; 5% pebble inclusions |
| XLYB1.30 | I | 0 | 37 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Loam | NCM | 10% pebble inclusions; High compaction |
| XLYB1.30 | II | 37 | 47 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | 10% pebble inclusions; High compaction |
| XLYB1.31 | I | 0 | 31 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sand | NCM | 30% pebble inclusions |

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|----------|----|----|----|--|-----------------|-----|--|
| XLYB1.31 | II | 31 | 42 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Sandy Clay | NCM | 30% pebble inclusions |
| XLYB1.32 | I | 0 | 25 | 10YR 3/1, Very Dark Grayish Brown, | Silty Clay | NCM | STP located in hay field; Moist 5%; Less than 5% pebble inclusions |
| XLYB1.32 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XLYB1.33 | I | 0 | 23 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | 30% rock inclusions; Mottled soil with sandstone |
| XLYB1.33 | II | 23 | 33 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | |
| XLYB1.34 | I | 0 | 34 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Clay Loam | NCM | 5% pebble inclusions; High compaction |
| XLYB1.34 | II | 34 | 45 | 7.5YR 5/4, Brown, | Clay Loam | NCM | 5% pebble inclusions; Moderate compaction |
| XLYB1.35 | I | 0 | 31 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Clay Loam | NCM | |
| XLYB1.35 | II | 31 | 42 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Clay Loam | NCM | |
| XLYB1.36 | I | 0 | 22 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XLYB1.36 | II | 22 | 32 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |

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|----------|-----|----|----|--|-----------------|-----|--|
| XLYB1.37 | I | 0 | 30 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 25% rock inclusions |
| XLYB1.37 | II | 30 | 41 | 10YR 5/3, Brown, Brown | Sandy Loam | NCM | 25% rock inclusions |
| XLYB1.37 | III | 41 | 51 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | 25% rock inclusions |
| XLYB1.38 | I | 0 | 33 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | STP located in wheat field; 30% rock inclusions |
| XLYB1.38 | II | 33 | 45 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 30% rock inclusions; Mottled soil with sandstone |
| XLYB1.39 | I | 0 | 38 | 10YR 3/4, Dark Yellowish Brown, Dark Yellowish Brown | Clay Loam | NCM | 5% pebble inclusions; Moderate compaction |
| XLYB1.39 | II | 38 | 49 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | 5% pebble inclusions; Moderate compaction |
| XLYB1.40 | I | 0 | 27 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XLYB1.40 | II | 27 | 37 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XLYB1.41 | I | 0 | 30 | 10YR 3/1, Very Dark Grayish Brown, | Silty Clay | NCM | STP located in hay field; Moist 5%; Less than 5% pebble inclusions |
| XLYB1.41 | II | 30 | 40 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |

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|----------|----|----|----|--|-----------------|-----|---|
| XLYB1.42 | I | 0 | 50 | 10YR 3/1, Very Dark Grayish Brown, | Silty Clay | NCM | STP located in hay field; Moist 5%; Less than 5% pebble inclusions; Charcoal throughout |
| XLYB1.42 | II | 50 | 60 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XLYB1.43 | I | 0 | 28 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XLYB1.43 | II | 28 | 38 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XLYB1.44 | I | 0 | 31 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Clay Loam | NCM | 10% root inclusions; Less than 5% pebble inclusions; Moderate compaction |
| XLYB1.44 | II | 31 | 41 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | 5% pebble inclusions; Moderate compaction |
| XLYB1.45 | I | 0 | 30 | 10YR 3/3, Dark Brown, | Silty Loam | NCm | STP located in wheat field; 30% rock inclusions; Plow shattered, unmodified chert |
| XLYB1.45 | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | 40% rock inclusions |
| XLYB1.46 | I | 0 | 29 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 25% rock inclusions |
| XLYB1.46 | II | 29 | 40 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 25% rock inclusions |

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|----------|----|----|----|--|--------------------|-----|---|
| XLYB1.47 | I | 0 | 24 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XLYB1.47 | II | 24 | 34 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XLYB1.48 | I | 0 | 26 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Clay Loam | NCM | 5% pebble inclusions; Moderate compaction |
| XLYB1.48 | II | 26 | 38 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | 5% pebble inclusions; Moderate compaction |
| XLYB1.49 | I | 0 | 30 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | STP located at edge of wheat field; 20% rock inclusions; Plow scars present |
| XLYB1.49 | II | 30 | 41 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | Mottled soil; 30% rock inclusions |
| XLYB1.50 | I | 0 | 30 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 20% rock inclusions |
| XLYB1.50 | II | 30 | 40 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 30% rock inclusions |
| XLYB1.51 | I | 0 | 24 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XLYB1.51 | II | 24 | 34 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XLYB1.52 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Clay Loam | NCM | 5% root and pebble inclusions; Moderate compaction |

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|----------|----|----|----|---|-----------------|-----|--|
| XLYB1.52 | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | 5% pebble inclusions; Moderate compaction |
| XOA.01 | I | 0 | 37 | 10YR 4/5, | Silty Loam | NCM | 20% root and 15% cobble inclusions; Moderate compaction |
| XOA.01 | II | 37 | 49 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 10% root and 25% pebble inclusions; Moderate compaction |
| XOA.02 | I | 0 | 42 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 20% rock inclusions |
| XOA.02 | II | 42 | 52 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Sandy Clay | NCM | 30% rock inclusions |
| XOA.03 | I | 0 | 28 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located on edge of field; 30-40% rock inclusions |
| XOA.03 | II | 28 | 40 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown with 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay Loam | NCM | Sandy soil |
| XOA.04 | I | 0 | 29 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XOA.04 | II | 29 | 39 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XOA.05 | I | 0 | 30 | 10YR 2/1, Black, Black | Sandy Loam | NCM | STP located in grass field; Less than 5% pebble inclusions |

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|--------|----|----|----|---|--------------------|-----|---|
| XOA.05 | II | 30 | 32 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Less than 5% pebble inclusions; Stopped due to rock impasse |
| XOA.06 | I | 0 | 31 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10% root and 10% pebble inclusions; Moderate compaction |
| XOA.06 | II | 31 | 41 | 10YR 5/4, Yellowish Brown, Yellowish Brown with 7.5YR 4/6, Strong Brown, | Silty Clay Loam | NCM | 10% pebble inclusions |
| XOA.07 | I | 0 | 42 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XOA.07 | II | 42 | 52 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XOA.08 | I | 0 | 25 | 10YR 2/1, Black, Black | Sandy Loam | NCM | STP located in grass field; Less than 5% pebble inclusions |
| XOA.08 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Less than 5% pebble inclusions; Stopped due to rock impasse |
| XOA.09 | I | 0 | 28 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | |
| XOA.09 | II | 28 | 38 | 10YR 6/3, Pale Brown, Pale Brown | Silty Clay | NCM | |
| XOA.10 | I | 0 | 34 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located on edge of field; 30-40% rock inclusions |

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|--------|----|----|----|---|-----------------|-----|--|
| XOA.10 | II | 34 | 44 | 10YR 4/6, Dark Yellowish Brown, Dark Yellowish Brown with 10YR 5/6, Yellow Brown, Yellowish Brown | Clay Loam | NCM | |
| XOA.11 | I | 0 | 30 | 10YR 2/1, Black, Black | Sandy Loam | NCM | STP located in grass field; Less than 5% pebble inclusions |
| XOA.11 | II | 30 | 40 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Less than 5% pebble inclusions; Moderate compaction; Stopped due to rock impasse |
| XOA.12 | I | 0 | 32 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XOA.12 | II | 32 | 42 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XOA.13 | I | 0 | 31 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10% root and 10% pebble inclusions; Moderate compaction |
| XOA.13 | II | 31 | 41 | 10YR 5/4, Yellowish Brown, Yellowish Brown with 7.5YR 4/6, Strong Brown, | Silty Clay Loam | NCM | 10% pebble inclusions |
| XOA.14 | I | 0 | 25 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 10% rock inclusions |
| XOA.14 | II | 25 | 35 | 10YR 6/3, Pale Brown, Pale Brown | Silty Clay | NCM | 20% rock inclusions |
| XOA.15 | I | 0 | 30 | 10YR 2/1, Black, Black | Sandy Loam | NCM | STP located in grass field; Less than 5% pebble inclusions |

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|--------|----|----|----|--|-----------------|-----|--|
| XOA.15 | II | 30 | 40 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Less than 5% pebble inclusions; Moderate compaction; Stopped due to rock impasse |
| XOA.16 | I | 0 | 32 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located in hay field |
| XOA.16 | II | 32 | 42 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | |
| XOA.17 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XOA.17 | II | 30 | 43 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XOA.18 | I | 0 | 31 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10% root and 10% pebble inclusions; Moderate compaction |
| XOA.18 | II | 31 | 41 | 10YR 5/4, Yellowish Brown, Yellowish Brown with 7.5YR 4/6, Strong Brown, | Silty Clay Loam | NCM | 10% pebble inclusions |
| XOA.19 | I | 0 | 27 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | |
| XOA.19 | II | 27 | 38 | 10YR 6/3, Pale Brown, Pale Brown | Silty Clay | NCM | |
| XOA.20 | I | 0 | 25 | 10YR 2/1, Black, Black | Sandy Loam | NCM | STP located in grass field; Less than 5% pebble inclusions |
| XOA.20 | II | 25 | 40 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | 5% pebble inclusions; Moderate compaction; Stopped due to rock impasse |

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|--------|-----|----|----|--|-----------------|-----|--|
| XOA.21 | I | 0 | 35 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XOA.21 | II | 35 | 45 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XOA.22 | I | 0 | 33 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | 10-15% rock inclusions |
| XOA.22 | II | 33 | 43 | 10YR 5/2, Grayish Brown, | Silty Clay Loam | NCM | Very gray soil; Compact soil |
| XOA.23 | I | 0 | 10 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Moist 5%; Less than 5% pebble inclusions |
| XOA.23 | II | 10 | 30 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XOA.23 | III | 30 | 40 | 10YR 5/3, Brown | Silty Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XOA.24 | I | 0 | 18 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 10% rock inclusions |
| XOA.24 | II | 18 | 30 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 10% rock inclusions |
| XOA.25 | I | 0 | 33 | 10YR 3/2, Very Dark Grayish Brown, | Silty Clay Loam | NCM | Hydric soil; 5% root and 5% pebble inclusions; Moderate compaction |
| XOA.25 | II | 33 | 44 | 10YR 5/2, Grayish Brown, | Silty Clay Loam | NCM | 5% pebble inclusions; Moderate compaction |
| XOA.26 | I | 0 | 25 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |

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|--------|-----|----|----|--|-----------------|-----|---|
| XOA.26 | II | 25 | 35 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XOA.27 | I | 0 | 20 | 10YR 3/2, Very Dark Grayish Brown, | Silty Clay Loam | NCM | 5% root inclusions; Moderate compaction; STP photographed |
| XOA.27 | II | 20 | 28 | 10YR 5/3, Brown, Brown | Clay Loam | NCM | Less than 5% pebble inclusions |
| XOA.27 | III | 28 | 43 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | Moderate compaction |
| XOA.28 | I | 0 | 30 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Moist 5%; Less than 5% pebble inclusions; Stopped due to rock impasse |
| XOA.29 | I | 0 | 15 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | Hydric soil; 5% rock inclusions |
| XOA.29 | II | 15 | 30 | 10YR 5/2, Grayish Brown, | Clay Loam | NCM | Hydric soil; 15% rock inclusions |
| XOA.29 | III | 30 | 40 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Clay Loam | NCM | Hydric soil; 15% rock inclusions |
| XOA.30 | I | 0 | 12 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 20% rock inclusions |
| XOA.30 | II | 12 | 22 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 20% rock inclusions |

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|--------|-----|----|----|--|-----------------|-----|---|
| XOA.30 | III | 22 | 32 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Sandy Clay | NCM | 20% rock inclusions |
| XOA.31 | I | 0 | 25 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XOA.31 | II | 25 | 35 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XOA.32 | I | 0 | 10 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Moist 20%; Less than 5% pebble inclusions |
| XOA.32 | II | 10 | 30 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | Moist 20%; Less than 5% pebble inclusions |
| XOA.32 | III | 30 | 40 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 20%; Less than 5% pebble inclusions |
| XOA.33 | I | 0 | 24 | 10YR 4/3, Brown, Brown Brown | Silty Clay Loam | NCM | |
| XOA.33 | II | 24 | 34 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XOA.34 | I | 0 | 15 | 10YR 3/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 20% rock inclusions |
| XOA.34 | II | 15 | 42 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 20% rock inclusions |

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|--------|-----|----|----|--|-----------------|-----|---|
| XOA.34 | III | 42 | 52 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Sandy Clay | NCM | 20% rock inclusions |
| XOA.35 | I | 0 | 17 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | STP surrounded by birch trees; Stopped due to root impasse |
| XOA.36 | I | 0 | 14 | 10YR 3/2, Very Dark Grayish Brown, | Silty Clay Loam | NCM | 5% root inclusions; Moderate compaction |
| XOA.36 | II | 14 | 25 | 10YR 5/3, Brown, Brown | Clay Loam | NCM | Moderate compaction |
| XOA.36 | III | 25 | 35 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | Moderate compaction |
| XOA.37 | I | 0 | 5 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located in forested area; Moist 10%; Less than 5% pebble inclusions |
| XOA.37 | II | 5 | 25 | 10YR 5/1, Gray, | Silty Clay | NCM | Moist 10%; Less than 5% pebble inclusions |
| XOA.37 | III | 25 | 35 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Moist 10%; Less than 5% pebble inclusions |
| XOA.38 | I | 0 | 27 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XOA.38 | II | 27 | 51 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XOA.39 | I | 0 | 27 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10% root inclusions; Moderate compaction |
| XOA.39 | II | 27 | 38 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | 5% root and 5% pebble inclusions; Moderate compaction |
| XOA.40 | I | 0 | 55 | 10YR 4/3, Brown, Brown | Sandy Loam | NCM | 20% rock inclusions |

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|--------|-----|----|----|--|-----------------|-----|--|
| XOA.40 | II | 55 | 65 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Sandy Clay | NCM | 30% rock inclusions |
| XOA.41 | I | 0 | 41 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XOA.41 | II | 41 | 51 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XOA.42 | I | 0 | 5 | 10YR 2/1, Black, Black | Silty Loam | NCM | STP located near agricultural drainage on a hill; Less than 5% pebble inclusions |
| XOA.42 | II | 5 | 30 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10% pebble inclusions |
| XOA.42 | III | 30 | 40 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Less than 5% pebble inclusions; Compact soil |
| XOA.43 | I | 0 | 35 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located in mowed hay field; 40-50% rock inclusions; Very compact soil |
| XOA.43 | II | 35 | 45 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Clay Loam | NCM | 40-50% rock inclusions |
| XOA.44 | I | 0 | 36 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 5% pebble inclusions; High compaction |
| XOA.44 | II | 36 | 46 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 5% pebble inclusions; High compaction |
| XOA.45 | I | 0 | 44 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XOA.45 | II | 44 | 54 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |

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| XOA.46 | I | 0 | 38 | 10YR 4/3, Brown, Brown | Sandy Loam | NCM | 20% rock inclusions |
| XOA.46 | II | 38 | 48 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Sandy Clay | NCM | 30% rock inclusions |
| XOA.47 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located in hay field; Less than 5% pebble inclusions |
| XOA.47 | II | 30 | 40 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Less than 5% pebble inclusions |
| XOA.48 | I | 0 | 32 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XOA.48 | II | 32 | 42 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XOA.49 | I | 0 | 36 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 5% pebble inclusions; High compaction |
| XOA.49 | II | 36 | 46 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 5% pebble inclusions; High compaction |
| XOA.50 | I | 0 | 35 | 10YR 4/3, Brown, Brown | Sandy Loam | NCM | 20% rock inclusions |
| XOA.50 | II | 35 | 45 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Sandy Clay | NCM | 30% rock inclusions |
| XOA.51 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located in hay field; Less than 5% pebble inclusions |
| XOA.51 | II | 30 | 40 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Less than 5% pebble inclusions |
| XOA.52 | I | 0 | 35 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10% pebble inclusions; Moderate compaction |

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|--------|----|----|----|--|-----------------|-----|---|
| XOA.52 | II | 35 | 45 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | 10% pebble inclusions; Moderate compaction |
| XOA.53 | I | 0 | 40 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located in hay field; Less than 5% pebble inclusions |
| XOA.53 | II | 40 | 50 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Less than 5% pebble inclusions |
| XOA.54 | I | 0 | 34 | 10YR 4/3, Brown, Brown | Sandy Loam | NCM | 20% rock inclusions |
| XOA.54 | II | 34 | 44 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Sandy Clay | NCM | 30% rock inclusions |
| XOA.55 | I | 0 | 36 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located in unmowed hay field; 30-40% rock inclusions; Very compact soil |
| XOA.55 | II | 36 | 46 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | 30-40% rock inclusions |
| XOA.56 | I | 0 | 31 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XOA.56 | II | 31 | 41 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XOA.57 | I | 0 | 27 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located in hay field; Less than 5% pebble inclusions |
| XOA.57 | II | 27 | 37 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | 10% pebble inclusions |
| XOA.58 | I | 0 | 35 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10% pebble inclusions; Moderate compaction |

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|--------|-----|----|----|--|-----------------|-----|---|
| XOA.58 | II | 35 | 45 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | 10% pebble inclusions; Moderate compaction |
| XOA.59 | I | 0 | 29 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XOA.59 | II | 29 | 39 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XOA.60 | I | 0 | 28 | 10YR 4/3, Brown, Brown | Sandy Loam | NCM | 20% rock inclusions |
| XOA.60 | II | 28 | 38 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Sandy Clay | NCM | 30% rock inclusions |
| XOA.61 | I | 0 | 31 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP photographed and located in unmowed hay field; 20-30% rock inclusions |
| XOA.61 | II | 31 | 37 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 30-40% rock inclusions |
| XOA.61 | III | 37 | 47 | 10YR 5/6, Yellow Brown, Yellowish Brown | Clay Loam | NCM | 40-50% rock inclusions |
| XOA.62 | I | 0 | 25 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located in hay field; Less than 5% pebble inclusions |
| XOA.62 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | Less than 5% pebble inclusions; Unmodified chert |
| XOA.63 | I | 0 | 49 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |

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|--------|-----|----|----|--|--------------------|-----|--|
| XOA.63 | II | 49 | 59 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XOA.64 | I | 0 | 45 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | STP located in tall grass; Moist 5%; Less than 5% pebble inclusions |
| XOA.64 | II | 45 | 55 | 10YR 5/3, Brown, Brown | Clay | NCM | Moist 5%; Less than 5% pebble inclusions |
| XOA.65 | I | 0 | 40 | 10YR 3/3, Dark Brown, | Silty Clay Loam | NCM | 5% root and 5% pebble inclusions; Moderate compaction |
| XOA.65 | II | 40 | 52 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 5% pebble inclusions; Moderate compaction |
| XOA.66 | I | 0 | 47 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | 20% rock inclusions |
| XOA.66 | II | 47 | 57 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 30% rock inclusions; 1 ceramic whiteware and 1 clear glass present (not collected) |
| XOA.67 | I | 0 | 20 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | STP located neXt to field; Very compact soil; 20% rock inclusions |
| XOA.67 | II | 20 | 33 | 10YR 2/2, Very Dark Brown, | Silty Clay Loam | NCM | Very compact soil; 20% rock inclusions |
| XOA.67 | III | 33 | 43 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | Very compact soil; 20% rock inclusions |
| XOA.68 | I | 0 | 25 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XOA.68 | II | 25 | 35 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |

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|--------|-----|----|----|--|-----------------|-----|---|
| XOA.69 | I | 0 | 40 | 10YR 3/3, Dark Brown, | Silty Clay Loam | NCM | 5% root and 5% pebble inclusions; Moderate compaction |
| XOA.69 | II | 40 | 52 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 5% pebble inclusions; Moderate compaction |
| XOA.70 | I | 0 | 25 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in tall grass; Less than 5% pebble inclusions; Modern glass present (not collected) |
| XOA.70 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% pebble inclusions |
| XOA.71 | I | 0 | 35 | 10YR 4/3, Brown, Brown | Sandy Loam | NCM | 20% rock inclusions |
| XOA.71 | II | 35 | 45 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 20% rock inclusions |
| XOA.72 | I | 0 | 10 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located in tall grass; Less than 5% pebble inclusions |
| XOA.72 | II | 10 | 25 | 10YR 2/1, Black, Black | Silty Loam | NCM | Less than 5% pebble inclusions |
| XOA.72 | III | 25 | 35 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% pebble inclusions |
| XOA.73 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10% pebble inclusions; High compaction |
| XOA.73 | II | 30 | 40 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | 5% pebble compactions; Moderate compaction |
| XOA.74 | I | 0 | 29 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |

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|--------|----|----|----|--|-----------------|-----|--|
| XOA.74 | II | 29 | 39 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XOA.75 | I | 0 | 33 | 10YR 4/3, Brown, Brown | Sandy Loam | NCM | 20% rock inclusions |
| XOA.75 | II | 33 | 43 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 20% rock inclusions |
| XOA.76 | I | 0 | 29 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Very compact soil; 30-40% rock inclusions; Unmodified chert present |
| XOA.76 | II | 29 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Clay Loam | NCM | Very compact soil; 30-40% rock inclusions; Large cobbles |
| XOA.77 | I | 0 | 25 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located in pine forest; Less than 5% pebble inclusions; Compact soil |
| XOA.77 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% pebble inclusions |
| XOA.78 | I | 0 | 17 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XOA.78 | II | 17 | 27 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XOA.79 | I | 0 | 38 | 10YR 4/3, Brown, Brown | Sandy Loam | NCM | 20% rock inclusions |
| XOA.79 | II | 38 | 48 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 20% rock inclusions |
| XOA.80 | I | 0 | 43 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10% root and 5% pebble inclusions; Moderate compaction; Bioturbation |

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|--------|-----|----|----|---|-----------------|-----|---|
| XOA.80 | II | 43 | 55 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown with 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | 5% root and 5% pebble inclusions; Moderate compaction |
| XOA.81 | I | 0 | 33 | 10YR 5/3, Brown, Brown | Silty Loam | NCM | Very yellow and compact soil; 30-40% rock inclusions |
| XOA.81 | II | 33 | 43 | 10YR 5/2, Grayish Brown, | Clay Loam | NCM | Very yellow and compact soil; 30-40% rock inclusions |
| XOA.82 | I | 0 | 17 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XOA.82 | II | 17 | 27 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XOA.83 | I | 0 | 25 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in tall grass; Less than 5% pebble inclusions |
| XOA.83 | II | 25 | 35 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Less than 5% pebble inclusions |
| XOA.83 | III | 35 | 45 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% pebble inclusions |
| XOA.84 | I | 0 | 29 | 10YR 4/3, Brown, Brown | Sandy Loam | NCM | 20% rock inclusions |
| XOA.84 | II | 29 | 40 | 10YR 5/6, Yellow Brown, Yellowish Brown | Sandy Clay | NCM | 20% rock inclusions |
| XOA.85 | I | 0 | 5 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located neXt to two track roadway; 5% pebble inclusions; Low compaction |

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| XOA.85 | II | 5 | 12 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown with 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | 5% pebble inclusions; Moderate compaction |
| XOA.86 | I | 0 | 29 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XOA.86 | II | 29 | 39 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XOA.87 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10% pebble inclusions; High compaction |
| XOA.87 | II | 30 | 42 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | 10% pebble inclusions; High compaction |
| XOA.88 | I | 0 | 26 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 20% root inclusions; Low compaction; Bioturbation |
| XOA.88 | II | 26 | 36 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 10% root inclusions; Low compaction |
| XOA.89 | I | 0 | 10 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | STP located in forested area; Less than 5% pebble inclusions |
| XOA.89 | II | 10 | 15 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% pebble inclusions; Stopped due to rock impasse |
| XOA.90 | I | 0 | 32 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |

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|--------|-----|----|----|--|-----------------|-----|--|
| XOA.90 | II | 32 | 42 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XOA.91 | I | 0 | 28 | 10YR 3/3, Dark Brown, | Sandy Loam | NCM | 10% pebble inclusions |
| XOA.91 | II | 28 | 38 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Sandy Clay | NCM | 20% pebble inclusions |
| XOA.92 | I | 0 | 10 | 10YR 2/2, Very Dark Brown, | Silty Loam | NCM | STP located near road; Moderate root and rock content |
| XOA.92 | II | 10 | 38 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | 30% rock inclusions |
| XOA.92 | III | 38 | 48 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 40% rock inclusions; Large cobbles |
| XOA.93 | I | 0 | 10 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in forested area; Less than 5% pebble inclusions |
| XOA.93 | II | 10 | 40 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Less than 5% pebble inclusions |
| XOA.93 | III | 40 | 50 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% pebble inclusions |
| XOA.94 | I | 0 | 6 | 10YR 2/2, Very Dark Brown, | Loam | NCM | Humic soil; Dense root matrix |
| XOA.94 | II | 6 | 22 | 10YR 3/2, Very Dark Grayish Brown, | Silty Loam | NCM | 15% root inclusions; Moderate compaction |
| XOA.94 | III | 22 | 35 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | Less than 5% pebble inclusions; Moderate compaction |
| XOA.95 | I | 0 | 25 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |

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| XOA.95 | II | 25 | 35 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XOA.96 | I | 0 | 32 | 10YR 3/3, Dark Brown, | Sandy Loam | NCM | 10% rock inclusions |
| XOA.96 | II | 32 | 44 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Sandy Clay | NCM | 20% rock inclusions |
| XOA.97 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XOA.97 | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XOA.98 | I | 0 | 5 | 10YR 3/1, Very Dark Grayish Brown, | Silty Loam | NCM | STP located in forested area; Less than 5% pebble inclusions |
| XOA.98 | II | 5 | 50 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | Less than 5% pebble inclusions |
| XOA.98 | III | 50 | 60 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% pebble inclusions |
| XOA.99 | I | 0 | 14 | 10YR 3/2, Very Dark Grayish Brown, | Loam | NCM | 35% root inclusions; Low compaction; |
| XOA.99 | II | 14 | 23 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 45% root and 5% pebble inclusions; Low compaction; Bioturbation; Stopped due to root impasse |
| XOA.100 | I | 0 | 20 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | Large unmovable cobble in east wall STP at 5 cmbs |
| XOA.100 | II | 20 | 45 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 50% rock inclusions |

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| XOA.101 | I | 0 | 30 | 10YR 3/3, Dark Brown, | Sandy Loam | NCM | 10% rock inclusions |
| XOA.101 | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Sandy Clay | NCM | 20% rock inclusions |
| XOA.102 | I | 0 | 39 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XOA.102 | II | 39 | 49 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | |
| XOA.103 | I | 0 | 20 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | STP located near seasonal wetland; Moist 10%; Less than 5% pebble inclusions |
| XOA.103 | II | 20 | 30 | 10YR 5/3, Brown, Brown | Clay | NCM | Moist 15%; Less than 5% pebble inclusions |
| XOA.104 | I | 0 | 12 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | 10% rock inclusions |
| XOA.104 | II | 12 | 22 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay | NCM | 10% rock inclusions |
| XOA.105 | I | 0 | 4 | 10YR 2/2, Very Dark Brown, | Loam | NCM | Humic soil; Sparse root matrix |
| XOA.105 | II | 4 | 12 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10% root inclusions; Low compaction |
| XOA.105 | III | 12 | 24 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | Less than 5% root inclusions; Low compaction |
| XOA.106 | I | 0 | 9 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |

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| XOA.106 | II | 9 | 19 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |
| XOA.107 | I | 0 | 23 | 10YR 3/3, Dark Brown, | Silty Loam | NCM | STP located between oak tree and dead tree; Hydric soil; 20% rock inclusions |
| XOA.107 | II | 23 | 33 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay Loam | NCM | 20% rock inclusions |
| XOA.108 | I | 0 | 15 | 10YR 6/2, Light Brownish Gray, Light Grayish Brown | Silty Clay | NCM | STP located near seasonal wetland; Less than 5% pebble inclusions |
| XOA.108 | II | 15 | 25 | 10YR 5/3, Brown, Brown | Clay | NCM | Less than 5% pebble inclusions |
| XAJN1.01 | I | 0 | 33 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 5% cobble and 10% pebble inclusions |
| XAJN1.01 | II | 33 | 43 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | 5% cobble and 10% pebble inclusions |
| XAJN1.02 | I | 0 | 22 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | |
| XAJN1.02 | II | 22 | 32 | 10YR 4/3, Brown, Brown | Silty Clay | NCM | |
| XAJN1.03 | I | 0 | 15 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Sand Clay | NCM | STP located in pine forest; Less than 10% moist and less than 10% rock inclusions |
| XAJN1.03 | II | 15 | 30 | 10YR 5/3, Brown, Brown | Silty Clay | NCM | |

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|----------|----|----|----|--|-----------------|-----|---|
| XAJN1.04 | I | 0 | 34 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 15% pebble and cobble inclusions; Moderate compaction |
| XAJN1.04 | II | 34 | 45 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 15% pebble and cobble inclusions; Moderate compaction |
| XAJN1.05 | I | 0 | 26 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 30% channers and gravel inlcusions |
| XAJN1.05 | II | 26 | 36 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Loam | NCM | 30% channers and gravel inlcusions |
| XAJN1.06 | I | 0 | 22 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | |
| XAJN1.06 | II | 22 | 32 | 10YR 4/3, Brown, Brown | Silty Clay | NCM | |
| XAJN1.07 | I | 0 | 35 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | STP located in pine forest; Less than 10% moist and less than 10% rock inclusions |
| XAJN1.07 | II | 35 | 50 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | Less than 10% moist and less than 10% rock inclusions; Stoppe due to rock impasse |
| XAJN1.08 | I | 0 | 35 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Clay Loam | NCM | 10% pebble inclusions |

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| | | | | | | | |
|----------|----|----|----|--|-----------------|-----|---|
| XAJN1.08 | II | 35 | 45 | 10YR 5/2, Grayish Brown, | Sandy Clay | NCM | 10% pebble inclusions |
| XAJN1.09 | I | 0 | 29 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 25% pebble and cobble rock inclusions; 5% root inclusions; Moderate compaction; Stopped due to rock impasse |
| XAJN1.10 | I | 0 | 32 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10% channers and gravel inclusions |
| XAJN1.10 | II | 32 | 42 | 10YR 5/4, Yellowish Brown, Yellowish Brown with 10YR 5/8, Yellowish Brown, | Silty Loam | NCM | Hydric soil; 10% channers and gravel inclusions |
| XAJN1.11 | I | 0 | 44 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | |
| XAJN1.11 | II | 44 | 54 | 10YR 4/3, Brown, Brown | Silty Clay | NCM | |
| XAJN1.12 | I | 0 | 37 | 10YR 3/3, Dark Brown, | Silty Clay Loam | NCM | 15% pebble and cobble inclusions; 5% root inclusions; Moderate compaction |
| XAJN1.12 | II | 37 | 50 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay | NCM | |
| XAJN1.13 | I | 0 | 40 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | |
| XAJN1.13 | II | 40 | 50 | 10YR 4/3, Brown, Brown | Silty Clay | NCM | |

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|----------|----|----|----|--|-----------------|-----|---|
| XAJN1.14 | I | 0 | 35 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | STP located between two pine trees; Less than 10% moist and less than 10% rock inclusions |
| XAJN1.14 | II | 35 | 65 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | Less than 10% moist and less than 10% rock inclusions; Stoppe due to rock impasse |
| XAJN1.15 | I | 0 | 40 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 10% channers and gravel inclusions |
| XAJN1.15 | II | 40 | 50 | 10YR 5/4, Yellowish Brown, Yellowish Brown with 10YR 5/8, Yellowish Brown, | Silty Loam | NCm | Hydric soil; 10% channers and gravel inclusions |
| XAJN1.16 | I | 0 | 34 | 10YR 4/3, Brown, Brown | Sandy Clay Loam | NCM | 15% pebble inclusions |
| XAJN1.16 | II | 34 | 44 | 10YR 6/3, Pale Brown, Pale Brown | Sandy Clay | NCM | 15% pebble inclusions |
| XAJN1.17 | I | 0 | 42 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | 10% pebble and cobble inclusions; 10% root inclusions; Moderate compaction |
| XAJN1.17 | II | 42 | 56 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay | NCM | |
| XAJN1.18 | I | 0 | 41 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | |
| XAJN1.18 | II | 41 | 51 | 10YR 4/3, Brown, Brown | Silty Clay | NCM | |

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| | | | | | | | |
|----------|----|----|----|--|--------------------|-----|---|
| XAJN1.19 | I | 0 | 29 | 10YR 4/3, Brown, Brown | Sandy Clay Loam | NCM | 10% pebble inclusions |
| XAJN1.19 | II | 29 | 42 | 10YR 5/2, Grayish Brown, | Sandy Clay | NCM | 20% pebble inclusions |
| XAJN1.20 | I | 0 | 33 | 10YR 3/4, Dark Yellowish Brown ,Dark Yellowish Brown | Silty Clay Loam | NCM | 10% pebble inclusions; Less than 5% root inclusions; High compaction |
| XAJN1.20 | II | 33 | 46 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 10% pebble inclusions; Moderate compaction |
| XAJN1.21 | I | 0 | 25 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | STP located in livestock pasture; Less than 10% moist and less than 10% pebble inclusions; Compact soil |
| XAJN1.21 | II | 25 | 45 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | Less than 10% moist; 15% pebble inclusions |
| XAJN1.22 | I | 0 | 30 | 10YR 4/2, Dark Grayish Brown, Dark Grayish Brown | Silty Clay Loam | NCM | |
| XAJN1.22 | II | 30 | 40 | 10YR 4/3, Brown, Brown | Silty Clay | NCM | |
| XAJN1.23 | I | 0 | 32 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 15% channers and gravel inclusions |
| XAJN1.23 | II | 32 | 42 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Loam | NCM | 20% channers and gravel incusions |

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|----------|----|----|----|--|-----------------|-----|--|
| XAJN1.24 | I | 0 | 48 | 10YR 3/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | 10% pebble inclusions; Moderate compaction |
| XAJN1.24 | II | 48 | 60 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Clay | NCM | 5% pebble inclusions; Moderate compaction |
| XAJN1.25 | I | 0 | 40 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% pebble inclusions |
| XAJN1.25 | II | 40 | 50 | 10YR 6/3, Pale Brown, Pale Brown | Silty Clay | NCM | 10% pebble inclusions |
| XAJN1.26 | I | 0 | 38 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 15% channers and gravel inclusions |
| XAJN1.26 | II | 38 | 48 | 10YR 5/4, Yellowish Brown, Yellowish Brown | Silty Loam | NCM | 20% channers and gravel inclusions |
| XAJN1.27 | I | 0 | 20 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | STP located in livestock pasture; Less than 5% moist and less than 10% pebble inclusions |
| XAJN1.27 | II | 20 | 40 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | Less than 5% moist and less than 10% pebble inclusions |
| XAJN1.28 | I | 0 | 26 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XAJN1.28 | II | 26 | 36 | 10YR 5/2, Grayish Brown, Brown | Silty Clay | NCM | |

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|----------|----|----|----|--|-----------------|-----|--|
| XAJN1.29 | I | 0 | 25 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | STP located in livestock pasture; Less than 5% moist and less than 10% pebble inclusions |
| XAJN1.29 | II | 25 | 45 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | Less than 5% moist and less than 10% pebble inclusions |
| XAJN1.30 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XAJN1.30 | II | 30 | 40 | 10YR 5/2, Grayish Brown, | Silty Clay | NCM | |
| XAJN1.31 | I | 0 | 40 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Loam | NCM | 5% pebble inclusions; Moderate compaction |
| XAJN1.31 | II | 40 | 53 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Clay Loam | NCM | Less than 5% pebble inclusions; Moderate compaction |
| XAJN1.32 | I | 0 | 25 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 30% channers and gravel inclusions |
| XAJN1.32 | II | 25 | 35 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Loam | NCM | 30% channers and gravel inclusions |
| XAJN1.33 | I | 0 | 26 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 5% cobble and 10% pebble inclusions |
| XAJN1.33 | II | 26 | 36 | 10YR 6/4, Light Yellowish Brown, | Silty Clay | NCM | 5% cobble and 10% pebble inclusions |
| XAJN1.34 | I | 0 | 31 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 30% channers and gravel inclusions |

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|----------|----|----|----|--|-----------------|-----|--|
| XAJN1.34 | II | 31 | 41 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Loam | NCM | 30% channers and gravel inclusions |
| XAJN1.35 | I | 0 | 31 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XAJN1.35 | II | 31 | 41 | 10YR 5/2, Grayish Brown, | Silty Clay | NCM | |
| XAJN1.36 | I | 0 | 25 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Silty Clay Loam | NCM | STP located in livestock pasture; Less than 5% moist and less than 10% pebble inclusions |
| XAJN1.36 | II | 25 | 35 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | Less than 5% moist and less than 10% pebble inclusions; Stopped due to rock impasse |
| XAJN1.38 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 30% channers and gravel inclusions |
| XAJN1.38 | II | 30 | 40 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Loam | NCM | 30% channers and gravel inclusions |
| XAJN1.39 | I | 0 | 38 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XAJN1.39 | II | 38 | 48 | 10YR 5/2, Grayish Brown, | Silty Clay | NCM | |
| XAJN1.40 | I | 0 | 29 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 10% pebble inclusions |
| XAJN1.40 | II | 29 | 40 | 10YR 5/3, Brown, Brown | Sandy Clay | NCM | 10% pebble inclusions |

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|----------|-----|----|----|--|---------------------|-----|------------------------------------|
| XAJN1.42 | I | 0 | 50 | 10YR 4/3, Brown, Brown | Silty Clay Loam | NCM | |
| XAJN1.42 | II | 50 | 60 | 10YR 5/2, Grayish Brown, | Silty Clay | NCM | |
| XAJN1.43 | I | 0 | 30 | 10YR 4/3, Brown, Brown | Silty Loam | NCM | 30% channers and gravel inclusions |
| XAJN1.43 | II | 30 | 40 | 10YR 5/6, Yellow Brown, Yellowish Brown | Silty Loam | NCM | 30% channers and gravel inclusions |
| XAJN1.45 | I | 0 | 26 | 10YR 4/4, Dark Yellowish Brown, Dark Yellowish Brown | Sandy Loam | NCM | 5% pebble inclusions |
| XAJN1.45 | II | 26 | 37 | 10YR 6/3, Pale Brown, Pale Brown | Sandy Clay | NCM | 5% pebble inclusions |
| XAR-1.01 | I | 0 | 19 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XAR-1.01 | II | 19 | 43 | Yellow Brown | Silt Loam | NCM | |
| XAR-1.02 | I | 0 | 19 | Dark Brown | Silt Loam | NCM | |
| XAR-1.02 | II | 19 | 42 | Yellow Brown | Silt Loam | NCM | |
| XAR-1.03 | I | 0 | 25 | Dark Brown | Silt Loam | NCM | W/ Dense Root Mat |
| XAR-1.03 | II | 25 | 35 | Yellow Brown | Silt Loam | NCM | W/ Roots |
| XAR-1.04 | I | 0 | 21 | Dark Yellow Brown | Silt Loam | NCM | |
| XAR-1.04 | II | 21 | 25 | Dark Olive Brown | Silt Loam | NCM | Compact Soil W/ Gravel |
| XAR-1.04 | III | 25 | 42 | Yellow Brown | Silt Loam | NCM | W/ Gravel |
| XAR-1.05 | I | 0 | 25 | Dark Brown | Silt Loam | NCM | |
| XAR-1.05 | II | 25 | 39 | Olive Gray Brown | Gravelly Sandy Loam | NCM | |
| XAR-1.06 | I | 0 | 14 | Gray Brown | Silt Loam | NCM | |
| XAR-1.06 | II | 14 | 20 | Gray Brown | Clay Loam | NCM | |
| XAR-1.06 | III | 20 | 26 | Olive Brown | Silt Loam | NCM | |

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|----------|-----|----|----|--|---------------------------|-----|---|
| XAR-1.06 | IV | 26 | 37 | Pale Yellow Brown W/ Strong Brown Mottles | Sandy Loam / Clay Loam | NCM | Soils Compact; Darker Soil W/ Oxidized Stains |
| XAR-1.07 | I | 0 | 22 | Brown | Silt Loam | NCM | |
| XAR-1.07 | II | 22 | 31 | Yellow Brown | Silt Loam | NCM | |
| XAR-1.07 | III | 31 | 41 | Pale Yellow Brown | Silt Loam | NCM | Compact Soil |
| XAR-1.08 | I | 0 | 29 | Dark Brown | Silt Loam | NCM | |
| XAR-1.08 | II | 29 | 39 | Olive Brown | Silt Loam | NCM | |
| XAR-1.08 | III | 39 | 44 | Gray Yellow Brown | Silt Loam W/ Some Sand | NCM | |
| XAR-1.09 | I | 0 | 29 | Dark Brown | Silt Loam | NCM | |
| XAR-1.09 | II | 29 | 47 | Olive Brown | Silt Loam | NCM | |
| XAR-1.09 | III | 47 | 53 | Yellow Brown | Silt Loam W/ Some Sand | NCM | |
| XAR-1.10 | I | 0 | 29 | Brown | Silt Loam | NCM | |
| XAR-1.10 | II | 29 | 40 | Pale Yellow Brown | Silt Loam | NCM | |
| XAR-1.10 | III | 40 | 48 | Strong Brown | Silt Loam | NCM | |
| XAR-1.11 | | | | | | | STP Skipped Due To Error |
| XAR-1.12 | I | 0 | 26 | Brown | Silt Loam | NCM | |
| XAR-1.12 | II | 26 | 34 | Gray Brown Mottled W/ Strong Brown | Silt Loam | NCM | Darker Soil W/ Oxidized Stains |
| XAR-1.12 | III | 34 | 49 | Pale Brown | Sandy Loam | NCM | |
| XAR-1.13 | I | 0 | 30 | Dark Brown | Silt Loam | NCM | |
| XAR-1.13 | II | 30 | 40 | Yellow Gray Brown | Silt Loam W/ Some Clay | NCM | |
| XAR-1.14 | I | 0 | 31 | Dark Brown | Silt Loam | NCM | |

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|----------|-----|----|----|--|------------|-----|--------------|
| XAR-1.14 | II | 31 | 43 | Gray Brown W/ Strong Brown Mottles | Clay Loam | NCM | |
| XAR-1.15 | I | 0 | 27 | Brown | Silt Loam | NCM | |
| XAR-1.15 | II | 27 | 44 | Yellow Brown | Silt Loam | NCM | |
| XAR-1.15 | III | 44 | 54 | Pale Brown | Sandy Loam | NCM | |
| XAR-1.16 | I | 0 | 25 | Brown | Silt Loam | NCM | |
| XAR-1.16 | II | 25 | 37 | Yellow Brown | Silt Loam | NCM | |
| XAR-1.16 | III | 37 | 47 | Pale Yellow Brown | Sandy Loam | NCM | Compact Soil |
| XAR-1.17 | I | 0 | 22 | Dark Brown | Silt Loam | NCM | |
| XAR-1.17 | II | 22 | 32 | Yellow Gray Brown W/ Olive Brown Mottles | Clay Loam | NCM | |
| XAR-1.18 | I | 0 | 25 | Dark Brown | Silt Loam | NCM | |
| XAR-1.18 | II | 25 | 35 | Yellow Gray Brown W/ Olive Brown Mottles | Clay Loam | NCM | |
| XAR-1.19 | I | 0 | 29 | Dark Brown | Silt Loam | NCM | |
| XAR-1.19 | II | 29 | 39 | Yellow Gray Brown W/ Olive Brown Mottles | Clay Loam | NCM | |
| XAR-1.20 | I | 0 | 24 | Dark Brown | Silt Loam | NCM | |
| XAR-1.20 | II | 24 | 34 | Gray Brown | Clay Loam | NCM | |
| XAR-1.20 | III | 34 | 40 | Yellow Gray Brown W/ Olive Brown Mottles | Clay Loam | NCM | |
| XAR-1.21 | I | 0 | 25 | Brown | Silt Loam | NCM | |
| XAR-1.21 | II | 25 | 35 | Gray Brown | Silt Loam | NCM | |
| XAR-1.21 | III | 35 | 41 | Yellow Brown | Silt Loam | NCM | |
| XAR-1.21 | IV | 41 | 50 | Pale Yellow Brown | Clay Loam | NCM | |

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|----------|-----|----|----|--|------------|-----|--------------|
| XAR-1.22 | I | 0 | 39 | Brown | Silt Loam | NCM | |
| XAR-1.22 | II | 39 | 50 | Pale Brown | Silt Loam | NCM | |
| XAR-1.23 | I | 0 | 34 | Brown | Silt Loam | NCM | |
| XAR-1.23 | II | 34 | 48 | Pale Brown Mottled W/ Strong Brown | Sandy Loam | NCM | Compact Soil |
| XAR-1.24 | I | 0 | 29 | Brown | Silt Loam | NCM | |
| XAR-1.24 | II | 29 | 44 | Yellow Brown | Silt Loam | NCM | |
| XAR-1.25 | I | 0 | 30 | Light Brown | Silt Loam | NCM | |
| XAR-1.25 | II | 30 | 44 | Olive Brown | Silt Loam | NCM | |
| XAR-1.26 | I | 0 | 29 | Light Brown | Silt Loam | NCM | |
| XAR-1.26 | II | 29 | 49 | Olive Brown | Silt Loam | NCM | |
| XAR-1.27 | I | 0 | 27 | Brown | Silt Loam | NCM | |
| XAR-1.27 | II | 27 | 43 | Yellow Brown | Silt Loam | NCM | |
| XAR-1.28 | I | 0 | 28 | Brown | Silt Loam | NCM | |
| XAR-1.28 | II | 28 | 43 | Yellow Brown | Silt Loam | NCM | |
| XAR-1.29 | I | 0 | 30 | Brown | Silt Loam | NCM | |
| XAR-1.29 | II | 30 | 40 | Yellow Brown | Silt Loam | NCM | |
| XAR-1.30 | I | 0 | 41 | Dark Brown | Silt Loam | NCM | |
| XAR-1.30 | II | 41 | 48 | Olive Brown | Silt Loam | NCM | |
| XAR-1.30 | III | 48 | 51 | Gray Brown Mottled W/ Olive Brown | Clay Loam | NCM | |
| XAR-1.31 | I | 0 | 26 | Dark Brown | Silt Loam | NCM | |
| XAR-1.31 | II | 26 | 39 | Olive Brown | Silt Loam | NCM | |
| XAR-1.31 | III | 39 | 42 | Yellow Gray Brown Mottled W/ Olive Brown | Clay Loam | NCM | |
| XAR-1.32 | I | 0 | 43 | Dark Brown | Silt Loam | NCM | |
| XAR-1.32 | II | 43 | 54 | Olive Brown | Silt Loam | NCM | |
| XAR-1.33 | I | 0 | 30 | Dark Brown | Silt Loam | NCM | |
| XAR-1.33 | II | 30 | 48 | Olive Brown | Clay Loam | NCM | |

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|----------|-----|----|----|---|------------|-----|-----------------------|
| XAR-1.34 | I | 0 | 43 | Dark Brown | Silt Loam | NCM | |
| XAR-1.34 | II | 43 | 53 | Dark Yellow Brown | Silt Loam | NCM | |
| XAR-1.35 | I | 0 | 44 | Dark Brown | Silt Loam | NCM | |
| XAR-1.35 | II | 44 | 55 | Yellow Brown | Silt Loam | NCM | |
| XAR-1.36 | I | 0 | 30 | Dark Brown | Silt Loam | NCM | W/ Rocks |
| XAR-1.36 | II | 30 | 45 | Dark Yellow Brown Mottled W/ Gray Brown | Silt Loam | NCM | |
| XAR-1.37 | I | 0 | 45 | Dark Brown | Silt Loam | NCM | |
| XAR-1.37 | II | 45 | 56 | Dark Yellow Brown Mottled W/ Gray Brown | Silt Loam | NCM | |
| XAR-1.38 | I | 0 | 46 | Dark Brown | Silt Loam | NCM | |
| XAR-1.38 | II | 46 | 50 | Pale Yellow Brown | Silt Loam | NCM | |
| XAR-1.39 | I | 0 | 33 | Dark Brown | Silt Loam | NCM | |
| XAR-1.39 | II | 33 | 45 | Yellow Brown | Sandy Loam | NCM | |
| XAR-1.40 | I | 0 | 39 | Dark Brown | Silt Loam | NCM | |
| XAR-1.40 | II | 39 | 49 | Dark Yellow Brown | Silt Loam | NCM | |
| XAR-1.41 | I | 0 | 20 | Brown | Silt Loam | NCM | |
| XAR-1.41 | II | 20 | 26 | Dark Yellow Brown | Clay Loam | NCM | Stopped By Large Rock |
| XAR-1.42 | I | 0 | 30 | Dark Brown | Silt Loam | NCM | |
| XAR-1.42 | II | 30 | 48 | Brown | Silt Loam | NCM | |
| XAR-1.42 | III | 48 | 65 | Yellow Brown | Silt Loam | NCM | |
| XAR-1.43 | I | 0 | 35 | Dark Brown | Silt Loam | NCM | |
| XAR-1.43 | II | 35 | 55 | Brown | Silt Loam | NCM | |
| XAR-1.43 | III | 55 | 68 | Dark Yellow Brown | Silt Loam | NCM | |
| XAR-1.44 | I | 0 | 34 | Brown | Silt Loam | NCM | |
| XAR-1.44 | II | 34 | 43 | Dark Olive Brown | Silt Loam | NCM | W/ Gravel |
| XAR-1.44 | III | 43 | 52 | Pale Yellow Brown | Sandy Loam | NCM | |
| XBB-8.01 | I | 0 | 12 | Brown | Silt Loam | NCM | W/ Roots |

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| | | | | | | | |
|----------|-----|----|----|---|-----------|-----|-----------------|
| XBB-8.01 | II | 12 | 23 | Olive Brown Mottled W/ Strong Brown | Silt Loam | NCM | W/ Roots |
| XBB-8.01 | III | 23 | 33 | Pale Yellow Brown Mottled W/ Strong Brown | Silt Loam | NCM | |
| XBB-8.02 | I | 0 | 6 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XBB-8.02 | II | 6 | 24 | Dark Olive Brown | Silt Loam | NCM | |
| XBB-8.02 | III | 24 | 38 | Yellow Brown W/ Strong Brown Mottles | Silt Loam | NCM | |
| XBB-8.03 | I | 0 | 12 | Dark Brown / Black | Silt Loam | NCM | W/ Organics |
| XBB-8.03 | II | 12 | 28 | Gray Brown W/ Strong Brown Mottles | Silt Loam | NCM | Stopped By Root |
| XBB-8.04 | I | 0 | 5 | Dark Brown | Silt Loam | NCM | W/ Root Mat |
| XBB-8.04 | II | 5 | 21 | Olive Brown | Silt Loam | NCM | W/ Roots |
| XBB-8.04 | III | 21 | 34 | Light Yellow Brown | Silt Loam | NCM | |
| XBB-8.05 | I | 0 | 10 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XBB-8.05 | II | 10 | 25 | Olive Brown | Silt Loam | NCM | |
| XBB-8.05 | III | 25 | 39 | Yellow Brown | Silt Loam | NCM | |
| XBB-8.06 | I | 0 | 11 | Dark Brown | Silt Loam | NCM | |
| XBB-8.06 | II | 11 | 29 | Olive Brown | Silt Loam | NCM | |
| XBB-8.07 | I | 0 | 13 | Very Dark Brown | Silt Loam | NCM | W/ Roots |
| XBB-8.07 | II | 13 | 23 | Yellow Brown Mottled W/ Strong Brown | Silt Loam | NCM | |
| XBB-8.07 | III | 23 | 36 | Olive Brown | Silt Loam | NCM | W/ Rocks |
| XBB-8.07 | IV | 36 | 46 | Pale Yellow Brown | Silt Loam | NCM | W/ Rocks |
| XBB-8.08 | I | 0 | 14 | Black | Silt Loam | NCM | W/ Organics |
| XBB-8.08 | II | 14 | 30 | Strong Brown | Silt Loam | NCM | |

South Ripley Solar, Town of South Ripley, Chautauqua County, New York
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Appendix C: Shovel Test Results
Supplemental Phase IB Archaeological Survey

| | | | | | | | |
|----------|-----|----|----|---------------------------------------|-----------|-----|---------------------|
| XBB-8.08 | III | 30 | 46 | Yellow Brown | Silt Loam | NCM | |
| XBB-8.09 | I | 0 | 16 | Black | Silt Loam | NCM | |
| XBB-8.09 | II | 16 | 20 | Gray Brown | Silt Loam | NCM | |
| XBB-8.09 | III | 20 | 29 | Strong Brown | Silt Loam | NCM | |
| XBB-8.09 | IV | 29 | 36 | Olive Brown | Silt Loam | NCM | |
| XBB-8.1 | I | 0 | 10 | Dark Brown / Black | Silt Loam | NCM | |
| XBB-8.1 | II | 10 | 17 | Strong Brown | Silt Loam | NCM | |
| XBB-8.1 | III | 17 | 18 | Dark Brown / Black | Silt Loam | NCM | |
| XBB-8.1 | IV | 18 | 29 | Olive Brown | Silt Loam | NCM | |
| XBB-8.1 | V | 29 | 31 | Yellow / Gray Brown | Silt Loam | NCM | |
| XBB-8.11 | I | 0 | 10 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBB-8.11 | II | 10 | 28 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBB-8.11 | III | 28 | 39 | Pale Yellow Brown | Silt Loam | NCM | |
| XBB-8.12 | I | 0 | 8 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XBB-8.12 | II | 8 | 26 | Olive Brown | Silt Loam | NCM | |
| XBB-8.12 | III | 26 | 41 | Yellow Brown | Silt Loam | NCM | |
| XBB-8.13 | I | 0 | 9 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBB-8.13 | II | 9 | 26 | Olive Brown | Silt Loam | NCM | W/ Roots |
| XBB-8.13 | III | 26 | 34 | Gray Brown | Silt Loam | NCM | |
| XBB-8.13 | IV | 34 | 45 | Light Yellow Brown | Silt Loam | NCM | |
| XBB-8.14 | I | 0 | 14 | Dark Brown | Silt Loam | NCM | W/ Organics & Roots |
| XBB-8.14 | II | 14 | 28 | Olive Brown | Silt Loam | NCM | |
| XBB-8.14 | III | 28 | 38 | Yellow Brown | Silt Loam | NCM | |
| XBB-8.15 | I | 0 | 5 | Dark Brown | Silt Loam | NCM | W/ Root Mat |
| XBB-8.15 | II | 5 | 18 | Gray Brown Mottled W/ Strong Brown | Silt Loam | NCM | W/ Roots |
| XBB-8.15 | III | 18 | 35 | Pale Yellow Brown | Silt Loam | NCM | |
| XBB-8.16 | I | 0 | 15 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XBB-8.16 | II | 15 | 29 | Olive Brown | Silt Loam | NCM | |
| XBB-8.16 | III | 29 | 40 | Yellow Brown / Gray | Silt Loam | NCM | |

South Ripley Solar, Town of South Ripley, Chautauqua County, New York
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Appendix C: Shovel Test Results
Supplemental Phase IB Archaeological Survey

| | | | | | | | |
|----------|-----|----|----|---|-----------|-----|-------------|
| XBB-8.17 | I | 0 | 7 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBB-8.17 | II | 7 | 23 | Olive Brown | Silt Loam | NCM | W/ Roots |
| XBB-8.17 | III | 23 | 35 | Pale Yellow Brown Mottled W/ Strong Brown | Silt Loam | NCM | |
| XBB-8.18 | I | 0 | 22 | Olive Brown | Silt Loam | NCM | |
| XBB-8.18 | II | 22 | 30 | Strong Brown | Silt Loam | NCM | |
| XBB-8.19 | I | 0 | 14 | Dark Brown | Silt Loam | NCM | |
| XBB-8.19 | II | 14 | 29 | Olive Brown | Silt Loam | NCM | |
| XBB-8.19 | III | 29 | 39 | Yellow Brown | Silt Loam | NCM | |
| XBB-8.2 | I | 0 | 12 | Dark Brown / Black | Silt Loam | NCM | |
| XBB-8.2 | II | 12 | 26 | Olive Brown | Silt Loam | NCM | |
| XBB-8.2 | III | 26 | 36 | Yellow / Gray Brown W/ Strong Brown Mottles | Clay Loam | NCM | |
| XBB-8.21 | I | 0 | 19 | Dark Brown | Silt Loam | NCM | |
| XBB-8.21 | II | 19 | 32 | Yellow Brown | Silt Loam | NCM | |
| XBB-8.22 | I | 0 | 13 | Dark Brown | Silt Loam | NCM | |
| XBB-8.22 | II | 13 | 29 | Yellow Brown | Silt Loam | NCM | |
| XBB-8.23 | I | 0 | 7 | Dark Brown / Black | Silt Loam | NCM | |
| XBB-8.23 | II | 7 | 13 | Gray Brown | Silt Loam | NCM | |
| XBB-8.23 | III | 13 | 18 | Strong Brown | Silt Loam | NCM | |
| XBB-8.23 | IV | 18 | 32 | Yellow Brown | Silt Loam | NCM | |
| XBB-8.24 | I | 0 | 11 | Black | Silt Loam | NCM | W/ Organics |
| XBB-8.24 | II | 11 | 23 | Strong Brown | Silt Loam | NCM | |
| XBB-8.24 | III | 23 | 48 | Yellow Brown | Silt Loam | NCM | |
| XBB-8.25 | I | 0 | 13 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XBB-8.25 | II | 13 | 22 | Olive Brown | Silt Loam | NCM | |
| XBB-8.25 | III | 22 | 43 | Yellow Brown | Silt Loam | NCM | |
| XBB-8.26 | I | 0 | 10 | Dark Brown | Silt Loam | NCM | W/ Organics |

South Ripley Solar, Town of South Ripley, Chautauqua County, New York
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Appendix C: Shovel Test Results
Supplemental Phase IB Archaeological Survey

| | | | | | | | |
|----------|-----|----|----|--------------------|-----------|-----|---------------------|
| XBB-8.26 | II | 10 | 21 | Olive Brown | Silt Loam | NCM | |
| XBB-8.26 | III | 21 | 44 | Yellow Brown | Silt Loam | NCM | |
| XBB-8.27 | I | 0 | 20 | Dark Brown | Silt Loam | NCM | W/ Organics & Roots |
| XBB-8.27 | II | 20 | 38 | Olive Brown | Silt Loam | NCM | |
| XBB-8.27 | III | 38 | 40 | Yellow Brown | Silt Loam | NCM | Stopped By Roots |
| XBB-8.28 | I | 0 | 13 | Dark Brown | Silt Loam | NCM | W/ Organics & Roots |
| XBB-8.28 | II | 13 | 33 | Olive Brown | Silt Loam | NCM | |
| XBB-8.28 | III | 33 | 43 | Yellow Brown | Silt Loam | NCM | |
| XBB-8.29 | I | 0 | 9 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XBB-8.29 | II | 9 | 28 | Olive Brown | Silt Loam | NCM | |
| XBB-8.29 | III | 28 | 42 | Yellow Brown | Silt Loam | NCM | |
| XBB-8.3 | I | 0 | 18 | Brown | Silt Loam | NCM | |
| XBB-8.3 | II | 18 | 30 | Pale Yellow Brown | Silt Loam | NCM | |
| XBB-8.31 | I | 0 | 12 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBB-8.31 | II | 12 | 17 | Olive Brown | Silt Loam | NCM | W/ Roots |
| XBB-8.31 | III | 17 | 29 | Gray Olive Brown | Silt Loam | NCM | W/ Roots |
| XBB-8.31 | IV | 29 | 40 | Pale Yellow Brown | Silt Loam | NCM | |
| XBB-8.32 | I | 0 | 7 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBB-8.32 | II | 7 | 32 | Dark Yellow Brown | Silt Loam | NCM | W/ Roots |
| XBB-8.32 | III | 32 | 42 | Pale Brown | Silt Loam | NCM | |
| XBB-8.33 | I | 0 | 7 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBB-8.33 | II | 7 | 31 | Dark Yellow Brown | Silt Loam | NCM | W/ Roots |
| XBB-8.33 | III | 31 | 43 | Light Yellow Brown | Silt Loam | NCM | |
| XBB-8.34 | I | 0 | 13 | Dark Gray Brown | Silt Loam | NCM | W/ Roots |
| XBB-8.34 | II | 13 | 21 | Strong Brown | Silt Loam | NCM | W/ Roots |
| XBB-8.34 | III | 21 | 35 | Yellow Brown | Silt Loam | NCM | |
| XBB-8.34 | IV | 35 | 43 | Pale Yellow Brown | Silt Loam | NCM | |
| XBB-8.35 | I | 0 | 11 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBB-8.35 | II | 11 | 48 | Yellow Brown | Silt Loam | NCM | |
| XBC-8.08 | I | 0 | 13 | Dark Brown | Silt Loam | NCM | W/ Rocks |

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Appendix C: Shovel Test Results
Supplemental Phase IB Archaeological Survey

| | | | | | | | |
|-----------|-----|----|----|---|-----------|-----------|----------------------------------|
| XBC-8.08 | II | 13 | 23 | Dark Olive Brown | Silt Loam | NCM | |
| XBC-8.08 | III | 23 | 34 | Yellow Brown | Silt Loam | NCM | |
| XBC-8.09 | I | 0 | 11 | Dark Brown | Silt Loam | NCM | |
| XBC-8.09 | II | 11 | 26 | Dark Olive Brown | Silt Loam | NCM | |
| XBC-8.09 | III | 26 | 38 | Yellow Brown | Silt Loam | NCM | |
| XBC-8.11 | I | 0 | 21 | Brown | Silt Loam | NCM | W/ Large Roots; Stopped By Roots |
| XBC-8.12 | I | 0 | 9 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBC-8.12 | II | 9 | 22 | Dark Olive Brown | Silt Loam | NCM | W/ Roots |
| XBC-8.12 | III | 22 | 36 | Yellow Brown | Silt Loam | NCM | W/ Roots |
| XBC-9.01 | I | 0 | 30 | Dark Brown | Silt Loam | NCM | W/ Gravel |
| XBC-9.01 | II | 30 | 45 | Dark Yellow Brown | Silt Loam | NCM | Compact Soil |
| XBC-9.06 | I | 0 | 24 | Brown | Silt Loam | Discard M | W/ Rocks & Gravel |
| XBC-9.06 | II | 24 | 42 | Yellow Brown | Silt Loam | NCM | W/ Rocks & Gravel |
| XBC-9.07 | I | 0 | 17 | Brown | Silt Loam | NCM | W/ Rocks & Gravel |
| XBC-9.07 | II | 17 | 36 | Yellow Brown | Silt Loam | NCM | W/ Rocks & Gravel; Compact Soil |
| XBC-10.11 | I | 0 | 7 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XBC-10.11 | II | 7 | 35 | Olive Brown | Silt Loam | NCM | |
| XBC-10.11 | III | 35 | 45 | Yellow Brown | Silt Loam | NCM | |
| XBC-10.14 | I | 0 | 4 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XBC-10.14 | II | 4 | 27 | Olive Brown | Silt Loam | NCM | |
| XBC-10.14 | III | 27 | 44 | Strong Brown | Silt Loam | NCM | |
| XBC-11.01 | I | 0 | 19 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBC-11.01 | II | 19 | 33 | Dark Olive Brown | Silt Loam | NCM | Stopped By Large Root |
| XBD-1.01 | I | 0 | 22 | Brown | Silt Loam | NCM | |
| XBD-1.01 | II | 22 | 37 | Pale Yellow Brown Mottled W/ Yellow Brown | Silt Loam | NCM | Compact Soil |
| XBD-1.02 | I | 0 | 22 | Light Brown | Silt Loam | NCM | Stopped By Root |
| XBD-2.01 | I | 0 | 15 | Brown | Silt Loam | NCM | W/ Roots |
| XBD-2.01 | II | 15 | 25 | Dark Yellow Brown | Silt Loam | NCM | W/ Roots |

South Ripley Solar, Town of South Ripley, Chautauqua County, New York
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Appendix C: Shovel Test Results
Supplemental Phase IB Archaeological Survey

| | | | | | | | |
|----------|-----|----|----|--------------------|-----------|-------------|-----------------|
| XBD-2.01 | III | 25 | 37 | Yellow Brown | Silt Loam | NCM | W/ Roots |
| XBD-2.02 | I | 0 | 31 | Light Brown | Silt Loam | NCM | |
| XBD-2.02 | II | 31 | 39 | Yellow Brown | Silt Loam | NCM | Stopped By Root |
| XBD-2.03 | I | 0 | 20 | Brown | Silt Loam | Discard Wi | W/ Roots |
| XBD-2.03 | II | 20 | 36 | Yellow Brown | Silt Loam | NCM | W/ Roots |
| XBD-2.04 | I | 0 | 13 | Brown | Silt Loam | NCM | W/ Roots |
| XBD-2.04 | II | 13 | 23 | Yellow Brown | Silt Loam | NCM | W/ Roots |
| XBD-2.04 | III | 23 | 35 | Pale Yellow Brown | Silt Loam | NCM | |
| XBD-2.05 | I | 0 | 12 | Dark Brown | Silt Loam | NCM | |
| XBD-2.05 | II | 12 | 24 | Yellow Brown | Silt Loam | NCM | |
| XBD-2.05 | III | 24 | 43 | Gray Brown | Clay Loam | NCM | |
| XBD-2.06 | I | 0 | 22 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBD-2.06 | II | 22 | 44 | Yellow Brown | Silt Loam | NCM | W/ Roots |
| XBD-2.07 | I | 0 | 35 | Brown | Silt Loam | NCM | W/ Roots |
| XBD-2.07 | II | 35 | 48 | Light Yellow Brown | Silt Loam | NCM | |
| XBD-2.08 | I | 0 | 20 | Dark Brown | Silt Loam | Discard Alu | W/ Roots |
| XBD-2.08 | II | 20 | 35 | Yellow Brown | Silt Loam | NCM | W/ Roots |
| XBD-2.09 | I | 0 | 18 | Dark Brown | Silt Loam | NCM | |
| XBD-2.09 | II | 18 | 38 | Yellow Brown | Silt Loam | NCM | |
| XBD-2.09 | III | 38 | 48 | Gray Brown | Clay Loam | NCM | |
| XBD-2.1 | I | 0 | 25 | Brown | Silt Loam | NCM | W/ Roots |
| XBD-2.1 | II | 25 | 36 | Yellow Brown | Silt Loam | NCM | |
| XBD-2.11 | I | 0 | 21 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBD-2.11 | II | 21 | 36 | Yellow Brown | Silt Loam | NCM | |
| XBD-2.12 | I | 0 | 24 | Brown | Silt Loam | NCM | W/ Roots |
| XBD-2.12 | II | 24 | 40 | Yellow Brown | Silt Loam | NCM | W/ Roots |
| XBD-2.13 | I | 0 | 20 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBD-2.13 | II | 20 | 31 | Yellow Brown | Silt Loam | NCM | W/ Roots |
| XBD-3.01 | I | 0 | 11 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBD-3.01 | II | 11 | 20 | Gray Brown | Silt Loam | NCM | W/ Roots |

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Appendix C: Shovel Test Results
Supplemental Phase IB Archaeological Survey

| | | | | | | | |
|----------|-----|----|----|-------------------------------------|----------------|------------|--------------|
| XBD-3.01 | III | 20 | 37 | Light Yellow Brown | Clay Loam | NCM | |
| XBD-3.02 | I | 0 | 16 | Dark Brown | Wet Silt Loam | NCM | W/ Roots |
| XBD-3.02 | II | 16 | 27 | Olive Brown | Wet Silt Loam | NCM | |
| XBD-3.03 | I | 0 | 15 | Black | Silt Loam | Discard Ch | W/ Roots |
| XBD-3.03 | II | 15 | 30 | Olive Brown | Clay Loam | NCM | W/ Roots |
| XBD-3.04 | I | 0 | 11 | Dark Gray Brown | Silt Loam | NCM | |
| XBD-3.04 | II | 11 | 21 | Olive Brown Mottled W/ Strong Brown | Clay Loam | NCM | |
| XBD-3.04 | III | 21 | 31 | Light Yellow Brown | Silt Loam | NCM | |
| XBD-3.05 | I | 0 | 5 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XBD-3.05 | II | 5 | 28 | Gray W/ Strong Brown Mottles | Clay | NCM | Wetland Soil |
| XBD-3.06 | I | 0 | 23 | Dark Gray Brown | Silt Loam | NCM | |
| XBD-3.06 | II | 23 | 38 | Pale Yellow Brown | Clay Loam | NCM | |
| XBD-3.07 | I | 0 | 15 | Dark Brown | Damp Sit Loam | NCM | |
| XBD-3.07 | II | 15 | 24 | Light Brown | Damp Sit Loam | NCM | |
| XBD-3.07 | III | 24 | 36 | Yellow Brown | Damp Clay Loam | NCM | |
| XBD-3.08 | I | 0 | 10 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBD-3.08 | II | 10 | 20 | Yellow Brown | Silt Loam | NCM | W/ Roots |
| XBD-3.09 | I | 0 | 19 | Dark Brown | Damp Silt Loam | NCM | W/ Roots |
| XBD-3.09 | II | 19 | 23 | Olive Brown | Damp Silt Loam | NCM | |
| XBD-3.09 | III | 23 | 33 | Light Brown | Damp Silt Loam | NCM | |

South Ripley Solar, Town of South Ripley, Chautauqua County, New York
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Appendix C: Shovel Test Results
Supplemental Phase IB Archaeological Survey

| | | | | | | | |
|----------|-----|----|----|---|----------------|-----|--------------|
| XBD-3.09 | IV | 33 | 42 | Gray Brown | Damp Clay Loam | NCM | |
| XBD-3.1 | I | 0 | 12 | Black | Silt Loam | NCM | W/ Organics |
| XBD-3.1 | II | 12 | 29 | Olive Brown | Clay Loam | NCM | Wetland Soil |
| XBD-3.11 | I | 0 | 19 | Dark Gray Brown | Silt Loam | NCM | |
| XBD-3.11 | II | 19 | 26 | Olive Brown Mottled W/ Strong Brown | Clay Loam | NCM | |
| XBD-3.11 | III | 26 | 36 | Light Yellow Brown | Clay Loam | NCM | |
| XBD-3.12 | I | 0 | 11 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBD-3.12 | II | 11 | 28 | Light Yellow Brown | Silt Loam | NCM | |
| XBD-3.13 | I | 0 | 16 | Dark Gray Brown | Silt Loam | NCM | |
| XBD-3.13 | II | 16 | 31 | Light Yellow Brown | Silt Loam | NCM | |
| XBD-3.14 | I | 0 | 13 | Gray Brown | Clay Loam | NCM | |
| XBD-3.14 | II | 13 | 36 | Yellow Brown | Clay Loam | NCM | Wetland Soil |
| XBD-3.15 | I | 0 | 14 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBD-3.15 | II | 14 | 31 | Yellow Brown | Silt Loam | NCM | W/ Roots |
| XBD-3.16 | I | 0 | 12 | Dark Brown / Black | Silt Loam | NCM | W/ Roots |
| XBD-3.16 | II | 12 | 37 | Yellow Brown W/ Strong Brown Mottles | Silt Loam | NCM | |
| XBD-3.17 | I | 0 | 19 | Gray Brown | Silt Loam | NCM | |
| XBD-3.17 | II | 19 | 26 | Yellow Brown | Silt Loam | NCM | |
| XBD-3.17 | III | 26 | 38 | Yellow Brown W/ Strong Brown Mottles | Clay Loam | NCM | |
| XBD-3.18 | I | 0 | 13 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBD-3.18 | II | 13 | 25 | Yellow Brown | Silt Loam | NCM | |
| XBD-3.18 | III | 25 | 36 | Light Yellow Brown | Silt Loam | NCM | |
| XBD-4.01 | I | 0 | 13 | Dark Brown | Silt Loam | NCM | |
| XBD-4.01 | II | 13 | 33 | Olive Brown | Silt Loam | NCM | |

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Appendix C: Shovel Test Results
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| | | | | | | | |
|----------|-----|----|----|---|-----------|-------------|----------------------------------|
| XBD-4.01 | III | 33 | 44 | Gray Brown | Clay Loam | NCM | |
| XBD-4.02 | I | 0 | 12 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XBD-4.02 | II | 12 | 24 | Olive Brown | Silt Loam | NCM | |
| XBD-4.02 | III | 24 | 40 | Yellow Brown | Silt Loam | NCM | |
| XBD-4.03 | I | 0 | 12 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBD-4.03 | II | 12 | 32 | Dark Yellow Brown | Silt Loam | NCM | W/ Roots |
| XBD-4.03 | III | 32 | 40 | Light Yellow Brown | Silt Loam | NCM | Stopped By Roots |
| XBD-4.04 | I | 0 | 17 | Dark Brown | Silt Loam | Discard Gla | W/ Organics |
| XBD-4.04 | II | 17 | 35 | Yellow Brown | Silt Loam | NCM | STP Located in Modern Trash Pile |
| XBD-4.05 | I | 0 | 15 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBD-4.05 | II | 15 | 28 | Light Yellow Brown | Silt Loam | NCM | W/ Roots |
| XBD-4.06 | I | 0 | 10 | Dark Brown | Silt Loam | NCM | |
| XBD-4.06 | II | 10 | 19 | Olive Brown | Silt Loam | NCM | |
| XBD-4.06 | III | 19 | 40 | Yellow Brown | Silt Loam | NCM | |
| XBD-4.07 | I | 0 | 16 | Brown | Silt Loam | NCM | W/ Roots |
| XBD-4.07 | II | 16 | 38 | Light OliveBrown | Silt Loam | NCM | |
| XBD-4.08 | I | 0 | 10 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBD-4.08 | II | 10 | 20 | Olive Brown | Silt Loam | NCM | W/ Roots |
| XBD-4.08 | III | 20 | 34 | Yellow Brown | Silt Loam | NCM | W/ Roots |
| XBD-4.09 | I | 0 | 13 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBD-4.09 | II | 13 | 33 | Yellow Brown | Silt Loam | NCM | Roots Went To 22 cmbd |
| XBD-4.1 | I | 0 | 27 | Light Brown | Silt Loam | NCM | |
| XBD-4.1 | II | 27 | 43 | Yellow Brown W/ Strong Brown Mottles | Silt Loam | NCM | |
| XBD-4.11 | I | 0 | 13 | Dark Brown | Silt Loam | NCM | |
| XBD-4.11 | II | 13 | 24 | Light Brown | Silt Loam | NCM | |
| XBD-4.11 | III | 24 | 34 | Yellow Brown W/ Strong Brown Mottles | Clay Loam | NCM | |

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Appendix C: Shovel Test Results
Supplemental Phase IB Archaeological Survey

| | | | | | | | |
|----------|-----|----|----|---|-----------|-----|----------|
| XBD-4.11 | IV | 34 | 42 | Dark Brown | Silt Loam | NCM | |
| | | | | Yellow Brown W/ Strong Brown Mottles | | | |
| XBD-4.11 | V | 42 | 52 | Dark Brown | Clay Loam | NCM | |
| XBD-4.12 | I | 0 | 15 | Dark Brown | Silt Loam | NCM | |
| | | | | Yellow Brown W/ Strong Brown Mottles | | | |
| XBD-4.12 | II | 15 | 42 | Dark Brown | Clay Loam | NCM | |
| XBD-5.01 | I | 0 | 10 | Gray Brown | Silt Loam | NCM | W/ Roots |
| XBD-5.01 | II | 10 | 17 | Light Brown | Silt Loam | NCM | |
| XBD-5.02 | I | 0 | 10 | Gray Brown | Silt Loam | NCM | W/ Roots |
| XBD-5.02 | II | 10 | 31 | Yellow Brown | Silt Loam | NCM | W/ Roots |
| XBD-5.03 | I | 0 | 9 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBD-5.03 | II | 9 | 25 | Light Yellow Brown | Silt Loam | NCM | |
| XBD-5.03 | III | 25 | 32 | Pale Yellow Brown | Silt Loam | NCM | |
| XBD-5.04 | I | 0 | 10 | Dark Brown | Silt Loam | NCM | |
| XBD-5.04 | II | 10 | 38 | Yellow Brown | Silt Loam | NCM | |
| XBD-5.05 | I | 0 | 7 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBD-5.05 | II | 7 | 23 | Olive Brown | Silt Loam | NCM | W/ Roots |
| XBD-5.05 | III | 23 | 39 | Yellow Brown | Silt Loam | NCM | W/ Roots |
| XBD-5.06 | I | 0 | 7 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBD-5.06 | II | 7 | 30 | Olive Brown | Silt Loam | NCM | W/ Roots |
| XBD-5.06 | III | 30 | 40 | Yellow Brown | Silt Loam | NCM | W/ Roots |
| XBD-5.07 | I | 0 | 24 | Light Yellow Brown | Silt Loam | NCM | |
| XBD-5.07 | II | 24 | 43 | Dark Brown | Silt Loam | NCM | |
| XBD-5.08 | I | 0 | 10 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBD-5.08 | II | 10 | 36 | Yellow Brown | Silt Loam | NCM | W/ Roots |
| XBD-5.09 | I | 0 | 17 | Light Yellow Brown | Silt Loam | NCM | |
| XBD-5.09 | II | 17 | 33 | Dark Brown | Silt Loam | NCM | |
| XBD-6.01 | I | 0 | 5 | Dark Brown | Silt Loam | NCM | W/ Roots |

South Ripley Solar, Town of South Ripley, Chautauqua County, New York
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Appendix C: Shovel Test Results
Supplemental Phase IB Archaeological Survey

| | | | | | | | |
|----------|-----|----|----|--------------------|-----------|-----|-------------|
| XBD-6.01 | II | 5 | 19 | Olive Brown | Silt Loam | NCM | W/ Roots |
| XBD-6.01 | III | 19 | 41 | Strong Brown | Silt Loam | NCM | W/ Roots |
| XBD-6.02 | I | 0 | 29 | Strong Brown | Silt Loam | NCM | |
| XBD-6.02 | II | 29 | 39 | Dark Brown | Silt Loam | NCM | |
| XBD-6.03 | I | 0 | 10 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBD-6.03 | II | 10 | 20 | Yellow Brown | Silt Loam | NCM | W/ Roots |
| XBD-6.03 | III | 20 | 31 | Olive Brown | Silt Loam | NCM | W/ Roots |
| XBD-6.03 | IV | 31 | 39 | Light Yellow Brown | Silt Loam | NCM | W/ Roots |
| XBD-6.03 | V | 39 | 44 | Pale Brown | Silt Loam | NCM | |
| XBD-6.04 | I | 0 | 9 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBD-6.04 | II | 9 | 23 | Olive Brown | Silt Loam | NCM | W/ Roots |
| XBD-6.04 | III | 23 | 34 | Yellow Brown | Silt Loam | NCM | |
| XBD-6.05 | I | 0 | 14 | Black | Silt Loam | NCM | W/ Organics |
| XBD-6.05 | II | 14 | 25 | Brown | Silt Loam | NCM | W/ Roots |
| XBD-6.05 | III | 25 | 40 | Yellow Brown | Silt Loam | NCM | W/ Roots |
| XBD-6.06 | I | 0 | 10 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBD-6.06 | II | 10 | 25 | Yellow Brown | Silt Loam | NCM | |
| XBD-6.06 | III | 25 | 33 | Gray Brown | Clay Loam | NCM | |
| XBD-6.07 | I | 0 | 18 | Light Brown | Clay Loam | NCM | |
| XBD-6.07 | II | 18 | 29 | Dark Brown | Clay Loam | NCM | |
| XBD-6.08 | I | 0 | 19 | Light Brown | Silt Loam | NCM | |
| XBD-6.08 | II | 19 | 32 | Yellow Brown | Clay Loam | NCM | |
| XBD-6.09 | I | 0 | 9 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBD-6.09 | II | 9 | 19 | Strong Brown | Silt Loam | NCM | |
| XBD-6.1 | I | 0 | 13 | Dark Brown | Silt Loam | NCM | |
| XBD-6.1 | II | 13 | 30 | Olive Brown | Silt Loam | NCM | |
| XBD-6.1 | III | 30 | 41 | Yellow Brown | Silt Loam | NCM | |
| XBD-6.11 | I | 0 | 5 | Dark Brown | Silt Loam | NCM | |
| XBD-6.11 | II | 5 | 19 | Olive Brown | Silt Loam | NCM | |
| XBD-6.11 | III | 19 | 40 | Yellow Brown | Silt Loam | NCM | |

South Ripley Solar, Town of South Ripley, Chautauqua County, New York
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Appendix C: Shovel Test Results
Supplemental Phase IB Archaeological Survey

| | | | | | | | |
|----------|-----|----|----|--|-----------|-----|-------------|
| XBD-6.12 | I | 0 | 9 | Dark Brown | Silt Loam | NCM | |
| | | | | Yellow Brown Mottled W/ Olive Brown | Silt Loam | NCM | |
| XBD-6.12 | II | 9 | 19 | Light Yellow Brown | Silt Loam | NCM | |
| XBD-6.12 | III | 19 | 34 | Dark Brown | Silt Loam | NCM | |
| XBD-6.13 | I | 0 | 8 | Dark Brown | Silt Loam | NCM | W/ Roots |
| | | | | Olive Brown Mottled W/ Yellow Brown | Silt Loam | NCM | |
| XBD-6.13 | II | 8 | 33 | Pale Yellow Brown | Silt Loam | NCM | W/ Roots |
| XBD-6.13 | III | 33 | 51 | Dark Brown | Silt Loam | NCM | |
| XBD-6.14 | I | 0 | 9 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBD-6.14 | II | 9 | 23 | Yellow Brown | Silt Loam | NCM | W/ Roots |
| XBD-6.14 | III | 23 | 35 | Light Yellow Brown | Silt Loam | NCM | |
| XBD-6.15 | I | 0 | 9 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBD-6.15 | II | 9 | 32 | Olive Brown | Silt Loam | NCM | W/ Roots |
| XBD-6.15 | III | 32 | 45 | Pale Yellow Brown | Silt Loam | NCM | |
| XBD-6.16 | I | 0 | 5 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBD-6.16 | II | 5 | 15 | Light Yellow Brown | Silt Loam | NCM | |
| | | | | Light Yellow Brown Mottled W/ Strong Brown | Silt Loam | NCM | |
| XBD-6.16 | III | 15 | 28 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBD-6.17 | I | 0 | 11 | Yellow Brown | Silt Loam | NCM | W/ Roots |
| XBD-6.17 | II | 11 | 30 | Light Yellow Brown | Silt Loam | NCM | |
| XBD-6.17 | III | 30 | 47 | Dark Brown | Silt Loam | NCM | |
| XBD-6.18 | I | 0 | 10 | Yellow Brown | Silt Loam | NCM | |
| XBD-6.18 | II | 10 | 40 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XBD-6.19 | I | 0 | 9 | Yellow Brown | Silt Loam | NCM | W/ Roots |
| XBD-6.19 | II | 9 | 24 | Light Yellow Brown | Silt Loam | NCM | |
| XBD-6.19 | III | 24 | 32 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XBD-6.2 | I | 0 | 6 | Strong Brown | Silt Loam | NCM | |
| XBD-6.2 | II | 6 | 27 | | | | |

South Ripley Solar, Town of South Ripley, Chautauqua County, New York
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Appendix C: Shovel Test Results
Supplemental Phase IB Archaeological Survey

| | | | | | | | |
|----------|-----|----|----|---------------------|-----------|-----|---|
| XBD-6.2 | III | 27 | 41 | Yellow Brown | Silt Loam | NCM | |
| XBD-6.21 | I | 0 | 14 | Black | Silt Loam | NCM | W/ Organics |
| XBD-6.21 | II | 14 | 35 | Gray / Yellow Brown | Silt Loam | NCM | |
| XBD-6.22 | I | 0 | 12 | Dark Brown | Silt Loam | NCM | |
| XBD-6.22 | II | 12 | 34 | Olive Brown | Silt Loam | NCM | |
| XBD-6.22 | III | 34 | 48 | Yellow Brown | Silt Loam | NCM | |
| XBD-6.23 | I | 0 | 59 | Strong Brown | Silt Loam | NCM | |
| XBD-6.23 | II | 59 | 69 | Yellow Brown | Silt Loam | NCM | |
| XBD-6.24 | I | 0 | 23 | Olive Brown | Silt Loam | NCM | |
| XBD-6.24 | II | 23 | 35 | Strong Brown | Silt Loam | NCM | |
| XBD-6.25 | I | 0 | 21 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XBD-6.25 | II | 21 | 38 | Yellow Brown | Silt Loam | NCM | |
| XBD-6.26 | I | 0 | 17 | Black | Silt Loam | NCM | W/ Organics |
| XBD-6.26 | II | 17 | 24 | Dark Gray | Silt Loam | NCM | |
| XBD-6.26 | III | 24 | 41 | Light Gray | Silt Loam | NCM | Wetland Soil; Standing Water At Base Of Level |
| XBD-6.27 | | | | | | | Not Tested Due To Swamp |
| XCB-1.01 | I | 0 | 7 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XCB-1.01 | II | 7 | 24 | Yellow Brown | Silt Loam | NCM | |
| XCB-1.02 | I | 0 | 39 | Strong Brown | Silt Loam | NCM | |
| XCB-1.02 | II | 39 | 49 | Light Yellow Brown | Silt Loam | NCM | |
| XCB-1.03 | I | 0 | 4 | Dark Brown | Silt Loam | NCM | Root Mat |
| XCB-1.03 | II | 4 | 13 | Yellow Brown | Silt Loam | NCM | W/ Roots |
| XCB-1.03 | III | 13 | 25 | Olive Brown | Silt Loam | NCM | W/ Roots |
| XCB-1.03 | IV | 25 | 36 | Light Yellow Brown | Silt Loam | NCM | |
| XCB-1.04 | I | 0 | 5 | Dark Brown | Silt Loam | NCM | W/ Gravel |
| XCB-1.04 | II | 5 | 13 | Brown | Silt Loam | NCM | W/ Gravel |
| XCB-1.04 | III | 13 | 37 | Yellow Brown | Silt Loam | NCM | W/ Gravel |
| XCB-2.01 | I | 0 | 17 | Olive Brown | Silt Loam | NCM | |
| XCB-2.01 | II | 17 | 27 | Fray Olive Brown | Silt Loam | NCM | |

South Ripley Solar, Town of South Ripley, Chautauqua County, New York
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Appendix C: Shovel Test Results
Supplemental Phase IB Archaeological Survey

| | | | | | | | |
|----------|-----|----|----|---|-----------|-------------|-------------|
| XCB-2.01 | III | 27 | 38 | Pale Yellow Brown Mottled W/ Strong Brown | Silt Loam | NCM | |
| XCB-2.02 | I | 0 | 49 | Dark Brown | Silt Loam | NCM | |
| XCB-2.02 | II | 49 | 61 | Yellow / Gray Brown W/ Strong Brown Mottles | Clay Loam | NCM | |
| XCB-2.03 | I | 0 | 29 | Dark Brown | Silt Loam | NCM | |
| XCB-2.03 | II | 29 | 42 | Yellow Brown W/ Strong Brown Mottles | Silt Loam | NCM | |
| XCB-3.01 | I | 0 | 23 | Yellow Brown | Silt Loam | NCM | |
| XCB-3.01 | II | 23 | 33 | Olive Brown | Silt Loam | NCM | |
| XCB-3.02 | I | 0 | 4 | Dark Brown | Silt Loam | NCM | Root Mat |
| XCB-3.02 | II | 4 | 26 | Yellow Brown | Silt Loam | NCM | W/ Roots |
| XCB-3.02 | III | 26 | 36 | Pale Yellow Brown | Silt Loam | NCM | W/ Rocks |
| XCB-3.03 | I | 0 | 22 | Olive Brown | Silt Loam | NCM | |
| XCB-3.03 | II | 22 | 33 | Strong Brown | Silt Loam | NCM | |
| XCB-3.03 | III | 33 | 40 | Gray Brown | Silt Loam | NCM | W/ Gravel |
| XCB-3.04 | I | 0 | 12 | Dark Brown | Silt Loam | NCM | |
| XCB-3.04 | II | 12 | 34 | Yellow Brown | Silt Loam | NCM | W/ Rocks |
| XCB-3.04 | III | 34 | 45 | Light Yellow Brown | Silt Loam | NCM | W/ Rocks |
| XCB-3.05 | I | 0 | 7 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XCB-3.05 | II | 7 | 23 | Brown | Silt Loam | Discard Cig | W/ Rocks |
| XCB-3.05 | III | 23 | 38 | Yellow Brown | Silt Loam | NCM | W/ Rocks |
| XCB-3.06 | I | 0 | 15 | Dark Brown | Silt Loam | Discard Pla | W/ Rocks |
| XCB-3.06 | II | 15 | 40 | Yellow Brown | Silt Loam | NCM | W/ Rocks |
| XCB-3.07 | I | 0 | 16 | Strong Brown | Silt Loam | NCM | |
| XCB-3.07 | II | 16 | 32 | Olive Brown | Silt Loam | NCM | |
| XCB-3.08 | I | 0 | 4 | Dark Brown | Silt Loam | NCM | Root Mat |

South Ripley Solar, Town of South Ripley, Chautauqua County, New York
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Appendix C: Shovel Test Results
Supplemental Phase IB Archaeological Survey

| | | | | | | | |
|----------|-----|----|----|---|-----------|-----|------------------------|
| XCB-3.08 | II | 4 | 23 | Light Yellow Brown | Silt Loam | NCM | |
| XCB-3.08 | III | 23 | 32 | Pale Yellow Brown | Silt Loam | NCM | |
| XCB-3.09 | I | 0 | 6 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XCB-3.09 | II | 6 | 27 | Brown | Silt Loam | NCM | W/ Rocks; Compact Soil |
| XCB-3.09 | III | 27 | 42 | Yellow Brown | Silt Loam | NCM | W/ Rocks; Compact Soil |
| XCB-4.01 | I | 0 | 8 | Very Dark Brown | Silt Loam | NCM | W/ Organics |
| XCB-4.01 | II | 8 | 26 | Dark Brown | Silt Loam | NCM | |
| XCB-4.01 | III | 26 | 42 | Yellow Brown | Silt Loam | NCM | |
| XCB-4.02 | I | 0 | 9 | Dark Brown | Silt Loam | NCM | |
| XCB-4.02 | II | 9 | 23 | Yellow Brown | Silt Loam | NCM | |
| XCB-4.02 | III | 23 | 39 | Pale Brown | Silt Loam | NCM | |
| XCB-4.03 | I | 0 | 7 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XCB-4.03 | II | 7 | 25 | Brown | Silt Loam | NCM | |
| XCB-4.03 | III | 25 | 41 | Yellow Brown | Silt Loam | NCM | |
| XCB-4.04 | I | 0 | 29 | Olive Brown | Silt Loam | NCM | |
| XCB-4.04 | II | 29 | 39 | Strong Brown | Clay Loam | NCM | |
| XCB-5.01 | I | 0 | 10 | Brown | Silt Loam | NCM | |
| XCB-5.01 | II | 10 | 25 | Dark Olive Brown | Silt Loam | NCM | |
| XCB-5.01 | III | 25 | 36 | Pale Yellow Brown | Silt Loam | NCM | |
| XCB-5.02 | I | 0 | 10 | Dark Brown | Silt Loam | NCM | |
| XCB-5.02 | II | 10 | 25 | Olive Brown | Silt Loam | NCM | |
| XCB-5.02 | III | 25 | 31 | Gray Brown | Clay Loam | NCM | |
| XCB-5.03 | I | 0 | 14 | Dark Brown | Silt Loam | NCM | |
| XCB-5.03 | II | 14 | 26 | Olive Brown | Silt Loam | NCM | |
| XCB-5.03 | III | 26 | 41 | Yellow Brown | Silt Loam | NCM | |
| XCB-5.04 | I | 0 | 13 | Dark Olive Brown | Silt Loam | NCM | W/ Roots |
| XCB-5.04 | II | 13 | 30 | Pale Yellow Brown Mottled W/ Strong Brown | Silt Loam | NCM | |
| XCB-5.05 | I | 0 | 10 | Dark Brown | Silt Loam | NCM | |

South Ripley Solar, Town of South Ripley, Chautauqua County, New York
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Appendix C: Shovel Test Results
Supplemental Phase IB Archaeological Survey

| | | | | | | | |
|----------|-----|----|----|--|-----------|-----|-------------|
| XCB-5.05 | II | 10 | 27 | Olive Brown | Silt Loam | NCM | |
| XCB-5.05 | III | 27 | 40 | Yellow Brown | Silt Loam | NCM | |
| XCB-5.06 | I | 0 | 7 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XCB-5.06 | II | 7 | 27 | Olive Brown | Silt Loam | NCM | |
| XCB-5.06 | III | 27 | 39 | Yellow Brown | Silt Loam | NCM | |
| XCB-5.07 | I | 0 | 27 | Dark Brown | Silt Loam | NCM | |
| XCB-5.07 | II | 27 | 39 | Gray Brown W/ Strong Brown Mottles | Clay Loam | NCM | |
| XCB-5.08 | I | 0 | 13 | Dark Brown | Silt Loam | NCM | |
| XCB-5.08 | II | 13 | 28 | Olive Brown | Silt Loam | NCM | |
| XCB-5.08 | III | 28 | 40 | Light Yellow Brown Mottled W/ Strong Brown | Silt Loam | NCM | |
| XCB-5.09 | I | 0 | 8 | Brown | Silt Loam | NCM | |
| XCB-5.09 | II | 8 | 26 | Olive Yellow Brown | Silt Loam | NCM | |
| XCB-5.09 | III | 26 | 35 | Dark Olive Brown | Silt Loam | NCM | |
| XCB-5.09 | IV | 35 | 47 | Light Yellow Brown | Silt Loam | NCM | |
| XCB-5.1 | I | 0 | 18 | Dark Brown | Silt Loam | NCM | |
| XCB-5.1 | II | 18 | 32 | Olive Brown | Silt Loam | NCM | |
| XCB-5.1 | III | 32 | 45 | Gray Brown W/ Strong Brown Mottles | Clay Loam | NCM | |
| XCB-6.01 | I | 0 | 10 | Brown | Silt Loam | NCM | |
| XCB-6.01 | II | 10 | 32 | Gray Brown Mottled W/ Olive Brown | Silt Loam | NCM | |
| XCB-6.01 | III | 32 | 44 | Pale Yellow Brown Mottled W/ Strong Brown | Clay Loam | NCM | |
| XCB-6.02 | I | 0 | 24 | Dark Brown | Silt Loam | NCM | |

South Ripley Solar, Town of South Ripley, Chautauqua County, New York
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Appendix C: Shovel Test Results
Supplemental Phase IB Archaeological Survey

| | | | | | | | |
|----------|-----|----|----|---|-----------|-----|--|
| XCB-6.02 | II | 24 | 34 | Yellow / Gray Brown W/ Strong Brown Mottles | Clay Loam | NCM | |
| XCB-6.03 | I | 0 | 14 | Dark Brown | Silt Loam | NCM | |
| XCB-6.03 | II | 14 | 20 | Olive Brown | Silt Loam | NCM | |
| XCB-6.03 | III | 20 | 35 | Yellow Brown | Silt Loam | NCM | |
| XCB-6.04 | I | 0 | 20 | Dark Brown | Silt Loam | NCM | |
| XCB-6.04 | II | 20 | 25 | Dark Gray Brown Mottled W/ Yellow Brown | Silt Loam | NCM | |
| XCB-6.04 | III | 25 | 36 | Pale Yellow Brown W/ Strong Brown Mottles | Silt Loam | NCM | |
| XCB-6.05 | I | 0 | 22 | Dark Brown | Silt Loam | NCM | |
| XCB-6.05 | II | 22 | 33 | Pale Yellow Brown W/ Strong Brown Mottles | Silt Loam | NCM | |
| XCB-6.06 | I | 0 | 19 | Dark Brown | Silt Loam | NCM | |
| XCB-6.06 | II | 19 | 28 | Pale Yellow Brown | Silt Loam | NCM | |
| XCB-6.06 | III | 28 | 36 | Pale Yellow Brown Mottled W/ Strong Brown | Silt Loam | NCM | |
| XCB-6.07 | I | 0 | 10 | Dark Brown | Silt Loam | NCM | |
| XCB-6.07 | II | 10 | 19 | Olive Brown | Silt Loam | NCM | |
| XCB-6.07 | III | 19 | 45 | Gray Brown / Yellow Brown | Silt Loam | NCM | |
| XCB-6.08 | I | 0 | 23 | Dark Brown | Silt Loam | NCM | |
| XCB-6.08 | II | 23 | 36 | Gray / Yellow Brown W/ Strong Brown Mottles | Clay Loam | NCM | |

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Appendix C: Shovel Test Results
Supplemental Phase IB Archaeological Survey

| | | | | | | | |
|----------|-----|----|----|---|-----------|------------|--|
| XCB-7.01 | I | 0 | 15 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XCB-7.01 | II | 15 | 40 | Olive Brown | Silt Loam | NCM | W/ Roots; Compact Soil; Stopped By Roots |
| XCB-7.02 | I | 0 | 32 | Dark Brown | Silt Loam | NCM | |
| XCB-7.02 | II | 32 | 42 | Yellow / Gray Brown W/ Strong Brown Mottles | Clay Loam | NCM | |
| XCB-7.03 | I | 0 | 19 | Dark Brown | Silt Loam | NCM | |
| XCB-7.03 | II | 19 | 30 | Pale Yellow Brown | Clay Loam | NCM | |
| XCB-7.04 | I | 0 | 26 | Brown | Silt Loam | NCM | W/ Roots |
| XCB-7.04 | II | 26 | 43 | Gray Brown / Olive Brown / Yellow Brown | Silt Loam | NCM | |
| XCB-7.04 | III | 43 | 53 | Gray | Silt Loam | NCM | |
| XCB-7.05 | I | 0 | 14 | Dark Brown | Silt Loam | NCM | |
| XCB-7.05 | II | 14 | 24 | Olive Brown | Silt Loam | NCM | Compact Soil |
| XCB-7.05 | III | 24 | 44 | Yellow Brown | Silt Loam | NCM | Compact Soil |
| XCB-7.06 | I | 0 | 24 | Dark Brown | Silt Loam | Discard Wi | Stopped by Roots |
| XCB-7.07 | I | 0 | 10 | Brown | Silt Loam | NCM | |
| XCB-7.07 | II | 10 | 25 | Olive Brown Mottled W/ Yellow Brown | Silt Loam | NCM | |
| XCB-7.07 | III | 25 | 37 | Pale Yellow Brown Mottled W/ Strong Brown | Silt Loam | NCM | |
| XCB-7.08 | I | 0 | 38 | Brown | Silt Loam | NCM | W/ Roots |
| XCB-7.08 | II | 38 | 51 | Pale Yellow Brown | Silt Loam | NCM | |
| XCB-7.09 | I | 0 | 15 | Dark Brown | Silt Loam | NCM | |
| XCB-7.09 | II | 15 | 22 | Olive Brown | Silt Loam | NCM | |
| XCB-7.09 | III | 22 | 42 | Yellow Brown | Silt Loam | NCM | |
| XCB-7.1 | I | 0 | 22 | Dark Brown | Silt Loam | NCM | Stopped By Roots |
| XCB-7.11 | I | 0 | 27 | Brown | Silt Loam | NCM | |

South Ripley Solar, Town of South Ripley, Chautauqua County, New York
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Appendix C: Shovel Test Results
Supplemental Phase IB Archaeological Survey

| | | | | | | | |
|----------|-----|----|----|---|-------------------|--------------|-----------------|
| XCB-7.11 | II | 27 | 38 | Pale Brown Mottled W/ Strong Brown | Clay Loam | NCM | |
| XCB-7.12 | I | 0 | 10 | Dark Brown | Damp Clay Loam | Discard Wire | |
| XCB-7.12 | II | 10 | 18 | Yellow Brown W/ Strong Brown Mottles | Damp Clay Loam | NCM | |
| XCB-7.12 | III | 18 | 22 | Gray Brown W/ Strong Brown Mottles | Damp Clay Loam | NCM | |
| XCB-7.13 | I | 0 | 7 | Dark Brown | Silt Loam | NCM | |
| XCB-7.13 | II | 7 | 11 | Yellow Brown | Silt Loam | NCM | |
| XCB-7.13 | III | 11 | 30 | Dark Olive Brown | Silt Loam | NCM | |
| XCB-7.13 | IV | 30 | 48 | Yellow Brown | Silt Loam | NCM | Disturbed Soils |
| XCB-7.14 | I | 0 | 24 | Brown | Silt Loam | NCM | |
| XCB-7.14 | II | 24 | 36 | Pale Yellow Brown | Silt Loam | NCM | |
| XCB-7.15 | I | 0 | 31 | Dark Brown | Silt Loam | NCM | |
| XCB-7.15 | II | 31 | 40 | Yellow Brown W/ Strong Brown Mottles | Clay Loam | NCM | |
| XCB-7.16 | I | 0 | 27 | Brown | Silt Loam | NCM | W/ Roots |
| XCB-7.16 | II | 27 | 37 | Light Olive Brown | Silt Loam | NCM | W/ Roots |
| XCB-7.16 | III | 37 | 47 | Light Yellow Brown | Silt Loam | NCM | |
| XCB-7.17 | I | 0 | 12 | Dark Brown | Silt Loam | NCM | |
| XCB-7.17 | II | 12 | 24 | Dark Olive Brown | Silt Loam | NCM | |
| XCB-7.17 | III | 24 | 39 | Yellow Brown | Silt Loam | NCM | |
| XCB-8.01 | I | 0 | 8 | Dark Olive Brown | Silt Loam | NCM | |
| XCB-8.01 | II | 8 | 24 | Olive Brown Mottled W/ Yellow Brown | Silt Loam | NCM | |
| XCB-8.01 | III | 24 | 37 | Pale Brown | Silt Loam | NCM | |

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| | | | | | | | |
|----------|-----|----|----|---|-----------|-----|----------|
| XCB-8.02 | I | 0 | 14 | Dark Brown | Silt Loam | NCM | |
| XCB-8.02 | II | 14 | 27 | Dark Olive Brown | Silt Loam | NCM | |
| XCB-8.02 | III | 27 | 42 | Yellow Brown | Silt Loam | NCM | |
| XCB-8.03 | I | 0 | 23 | Dark Brown | Silt Loam | NCM | |
| XCB-8.03 | II | 23 | 33 | Yellow Brown W/ Strong Brown Mottles | Clay Loam | NCM | |
| XCB-8.04 | I | 0 | 16 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XCB-8.04 | II | 16 | 26 | Olive Brown Mottled W/ Strong Brown | Silt Loam | NCM | W/ Roots |
| XCB-8.04 | III | 26 | 36 | Pale Yellow Brown Mottled W/ Strong Brown | Silt Loam | NCM | |
| XCB-8.05 | I | 0 | 20 | Brown | Silt Loam | NCM | |
| XCB-8.05 | II | 20 | 34 | Pale Yellow Brown | Silt Loam | NCM | |
| XCB-8.06 | I | 0 | 14 | Brown | Silt Loam | NCM | W/ Roots |
| XCB-8.06 | II | 14 | 20 | Gray Brown Mottled W/ Yellow Brown | Silt Loam | NCM | W/ Roots |
| XCB-8.06 | III | 20 | 34 | Pale Brown | Silt Loam | NCM | |
| XCB-8.07 | I | 0 | 16 | Dark Olive Brown | Silt Loam | NCM | |
| XCB-8.07 | II | 16 | 32 | Pale Yellow Brown Mottled W/ Yellow Brown | Silt Loam | NCM | |
| XCB-8.1 | I | 0 | 23 | Dark Brown | Silt Loam | NCM | |
| XCB-8.1 | II | 23 | 30 | Yellow Brown W/ Strong Brown Mottles | Clay Loam | NCM | |
| XCB-8.13 | I | 0 | 21 | Dark Brown | Silt Loam | NCM | |

South Ripley Solar, Town of South Ripley, Chautauqua County, New York
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| | | | | | | | |
|----------|----|----|----|---|-------------------|------------------------|--|
| XCB-8.13 | II | 21 | 32 | Yellow Brown W/ Strong Brown Mottles | Clay Loam | NCM | |
| XCB-8.14 | I | 0 | 20 | Dark Brown | Silt Loam | NCM | |
| XCB-8.14 | II | 20 | 31 | Pale Brown Mottled W/ Yellow Brown | Silt Loam | NCM | |
| XCB-8.15 | I | 0 | 18 | Dark Brown | Silt Loam | NCM | |
| XCB-8.15 | II | 18 | 32 | Pale Yellow Brown Mottled W/ Yellow Brown | Silt Loam | NCM | |
| XCB-8.16 | I | 0 | 14 | Dark Brown | Silt Loam | NCM | |
| XCB-8.16 | II | 14 | 28 | Yellow Brown W/ Strong Brown Mottles | Clay Loam | NCM | |
| XCB-8.17 | I | 0 | 27 | Dark Brown | Silt Loam | NCM | |
| XCB-8.17 | II | 27 | 38 | Yellow Brown W/ Strong Brown Mottles | Clay Loam | NCM | |
| XCB-9.02 | I | 0 | 48 | Brown | Silt Loam | Discard Asphalt & Coal | |
| XCB-9.02 | II | 48 | 60 | Yellow Brown | Silt Loam | NCM | |
| XCB-9.03 | I | 0 | 18 | Light Brown | Silt Loam | NCM | |
| XCB-9.03 | II | 18 | 28 | Yellow Brown W/ Strong Brown Mottles | Silt Loam | NCM | |
| XCB-9.04 | I | 0 | 22 | Dark Brown / Black | Damp Silt Loam | NCM | |
| XCB-9.04 | II | 22 | 33 | Yellow Brown W/ Strong Brown Mottles | Damp Clay Loam | NCM | |
| XCB-9.05 | I | 0 | 30 | Dark Brown | Silt Loam | NCM | |

South Ripley Solar, Town of South Ripley, Chautauqua County, New York
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Appendix C: Shovel Test Results
Supplemental Phase IB Archaeological Survey

| | | | | | | | |
|-----------|-----|----|----|---|-----------|-------------|-----------------------|
| XCB-9.05 | II | 30 | 45 | Yellow Brown W/ Strong Brown Mottles | Clay Loam | NCM | |
| XCB-9.08 | I | 0 | 30 | Brown | Silt Loam | Discard 1 P | W/ Gravel |
| XCB-9.08 | II | 30 | 38 | Yellow Brown | Silt Loam | NCM | Slightly Compact Soil |
| XCB-9.08 | III | 38 | 45 | Pale Yellow Brown | Silt Loam | NCM | Slightly Compact Soil |
| XCB-10.02 | I | 0 | 11 | Dark Brown | Silt Loam | NCM | |
| XCB-10.02 | II | 11 | 35 | Olive Brown | Silt Loam | NCM | |
| XCB-10.02 | III | 35 | 46 | Yellow Brown | Silt Loam | NCM | |
| XCB-10.03 | I | 0 | 23 | Olive Brown | Silt Loam | NCM | |
| XCB-10.03 | II | 23 | 39 | Strong Brown | Silt Loam | NCM | |
| XCB-10.04 | I | 0 | 9 | Brown | Silt Loam | NCM | |
| XCB-10.04 | II | 9 | 16 | Gray Brown | Silt Loam | NCM | |
| XCB-10.04 | III | 16 | 32 | Yellow Brown | Silt Loam | NCM | |
| XCB-10.05 | I | 0 | 5 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XCB-10.05 | II | 5 | 34 | Olive Brown | Silt Loam | NCM | |
| XCB-10.05 | III | 34 | 46 | Yellow Brown | Silt Loam | NCM | |
| XCB-10.06 | I | 0 | 39 | Olive Brown | Silt Loam | NCM | |
| XCB-10.06 | II | 39 | 49 | Yellow Brown | Silt Loam | NCM | |
| XCB-10.07 | I | 0 | 10 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XCB-10.07 | II | 10 | 32 | Olive Brown | Silt Loam | NCM | W/ Roots |
| XCB-10.07 | III | 32 | 44 | Yellow Brown | Silt Loam | NCM | |
| XCB-10.08 | I | 0 | 8 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XCB-10.08 | II | 8 | 30 | Olive Brown | Silt Loam | NCM | |
| XCB-10.08 | III | 30 | 44 | Yellow Brown | Silt Loam | NCM | |
| XCB-10.09 | I | 0 | 50 | Dark Brown | Silt Loam | NCM | |
| XCB-10.09 | II | 50 | 60 | Yellow Brown W/ Strong Brown Mottles | Clay Loam | NCM | |
| XCB-10.1 | I | 0 | 6 | Dark Brown | Silt Loam | NCM | W/ Root Mat |

South Ripley Solar, Town of South Ripley, Chautauqua County, New York
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Appendix C: Shovel Test Results
Supplemental Phase IB Archaeological Survey

| | | | | | | | |
|-------------|-----|----|----|---|-----------|-----|----------------------------------|
| XCB-10.1 | I | 0 | 10 | Brown | Silt Loam | NCM | |
| XCB-10.1 | II | 6 | 25 | Olive Brown Mottled W/ Yellow Brown | Silt Loam | NCM | W/ Roots |
| XCB-10.1 | II | 10 | 31 | Olive Yellow Brown | Silt Loam | NCM | |
| XCB-10.1 | III | 25 | 35 | Pale Yellow Brown | Silt Loam | NCM | |
| XCB-10.1 | III | 31 | 40 | Gray Brown | Silt Loam | NCM | |
| XCB-10.1 | IV | 40 | 50 | Pale Brown | Silt Loam | NCM | |
| XCB-10.12 | I | 0 | 9 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XCB-10.12 | II | 9 | 28 | Olive Brown Mottled W/ Dark Yellow Brown | Silt Loam | NCM | W/ Roots |
| XCB-10.12 | III | 28 | 38 | Yellow Brown | Silt Loam | NCM | |
| XCB-10.13 | I | 0 | 23 | Strong Brown | Silt Loam | NCM | |
| XCB-10.13 | II | 23 | 38 | Yellow Brown W/ Strong Brown Mottles | Silt Loam | NCM | |
| XCB-10.15 | I | 0 | 8 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XCB-10.15 | II | 8 | 27 | Olive Brown Mottled W/ Strong Brown | Silt Loam | NCM | |
| XCB-10.15 | III | 27 | 39 | Light Yellow Brown | Silt Loam | NCM | |
| XCB-10.26 | I | 0 | 26 | Olive Brown | Silt Loam | NCM | |
| XCB-10.26 | II | 26 | 36 | Dark Brown | Silt Loam | NCM | |
| XCB-11.02 | I | 0 | 22 | Dark Brown | Silt Loam | NCM | |
| XCB-11.02 | II | 22 | 34 | Yellow Brown W/ Strong Brown Mottles | Clay Loam | NCM | |
| XCB-11.03 | I | 0 | 27 | Brown | Silt Loam | NCM | W/ Roots |
| XCB-11.03 | II | 27 | 39 | Yellow Brown | Silt Loam | NCM | |
| XCB-11.04 | | | | | | | Not Tested Due To Standing Water |
| XEB-AR-2.01 | I | 0 | 37 | Dark Brown | Silt Loam | NCM | |

South Ripley Solar, Town of South Ripley, Chautauqua County, New York
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Appendix C: Shovel Test Results
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| | | | | | | | |
|-------------|-----|----|----|--|-----------|------------|-----------|
| XEB-AR-2.01 | II | 37 | 48 | Olive Brown | Silt Loam | NCM | |
| | | | | Yellow Brown W/ Strong Brown Mottles | Clay Loam | NCM | |
| XEB-AR-2.01 | III | 48 | 53 | Gray Brown | Silt Loam | NCM | W/ Gravel |
| XEB-AR-2.02 | I | 0 | 29 | Yellow Brown | Silt Loam | NCM | W/ Gravel |
| XEB-AR-2.02 | II | 29 | 41 | Gray Brown | Silt Loam | NCM | W/ Gravel |
| XEB-AR-2.03 | I | 0 | 40 | Yellow Brown | Silt Loam | NCM | W/ Gravel |
| XEB-AR-2.03 | II | 40 | 54 | Dark Brown | Silt Loam | NCM | |
| XEB-AR-2.04 | I | 0 | 23 | Strong Brown | Silt Loam | NCM | |
| XEB-AR-2.04 | II | 23 | 35 | Yellow Brown W/ Strong Brown Mottles | Clay Loam | NCM | |
| XEB-AR-2.04 | III | 35 | 45 | Dark Brown | Silt Loam | NCM | |
| XEB-AR-2.05 | I | 0 | 28 | Olive Brown | Clay Loam | NCM | |
| XEB-AR-2.05 | II | 28 | 48 | Gray Brown | Silt Loam | Discard Ch | W/ Gravel |
| XEB-AR-2.06 | I | 0 | 35 | Yellow Brown | Silt Loam | NCM | W/ Gravel |
| XEB-AR-2.06 | II | 35 | 46 | Dark Brown / Black | Silt Loam | NCM | |
| XEB-AR-2.07 | I | 0 | 28 | Yellow Brown W/ Strong Brown Mottles | Clay Loam | NCM | |
| XEB-AR-2.07 | II | 28 | 38 | Dark Brown | Silt Loam | NCM | |
| XEB-AR-2.08 | I | 0 | 33 | Yellow Brown W/ Strong Brown Mottles | Clay Loam | NCM | |
| XEB-AR-2.08 | II | 33 | 43 | Brown | Silt Loam | NCM | |
| XEB-AR-2.09 | I | 0 | 21 | Gray Brown Mottled W/ Dark Yellow Brown | Clay Loam | NCM | |
| XEB-AR-2.09 | II | 21 | 33 | Yellow Brown | Silt Loam | NCM | |
| XEB-AR-2.09 | III | 33 | 41 | | | | |

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Appendix C: Shovel Test Results
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| | | | | | | | |
|-------------|-----|----|----|---|-----------|----------------------|---------------------------------|
| XEB-AR-2.09 | IV | 41 | 50 | Pale Brown | Silt Loam | NCM | |
| XEB-AR-2.1 | I | 0 | 30 | Dark Brown | Silt Loam | Discard Window Glass | |
| XEB-AR-2.1 | II | 30 | 41 | Dark Yellow Brown | Silt Loam | NCM | |
| XEB-AR-2.11 | | | | | | | Not Tested Due To Fenced Garden |
| XEB-AR-2.12 | I | 0 | 12 | Brown | Silt Loam | NCM | |
| XEB-AR-2.12 | II | 12 | 27 | Gray Brown Mottled W/ Yellow Brown | Clay Loam | NCM | |
| XEB-AR-2.12 | III | 27 | 38 | Pale Yellow Brown | Silt Loam | NCM | |
| XEB-AR-2.13 | I | 0 | 13 | Brown | Silt Loam | NCM | |
| XEB-AR-2.13 | II | 13 | 32 | Gray Brown Mottled W/ Dark Yellow Brown | Clay Loam | NCM | |
| XEB-AR-2.13 | III | 32 | 43 | Pale Brown | Silt Loam | NCM | |
| XEB-AR-2.14 | I | 0 | 23 | Brown | Silt Loam | NCM | |
| XEB-AR-2.14 | II | 23 | 37 | Yellow Brown | Silt Loam | NCM | |
| XEB-AR-2.14 | III | 37 | 40 | Pale Brown | Silt Loam | NCM | Compact Soil |
| XEB-AR-2.15 | I | 0 | 20 | Brown | Silt Loam | NCM | W/ Gravel |
| XEB-AR-2.15 | II | 20 | 33 | Pale Yellow Brown | Silt Loam | Discard Wi | W/ Gravel |
| XEB-AR-2.16 | | | | | | | Not Tested Due To Fenced Garden |
| XEB-AR-2.17 | I | 0 | 30 | Dark Brown | Silt Loam | Discard Modern Tile | |
| XEB-AR-2.17 | II | 30 | 45 | Dark Yellow Brown | Silt Loam | NCM | |
| XEB-AR-2.18 | I | 0 | 21 | Brown | Silt Loam | NCM | |
| XEB-AR-2.18 | II | 21 | 34 | Pale Brown Mottled W/ Yellow Brown | Silt Loam | NCM | |
| XEB-AR-2.19 | I | 0 | 24 | Brown | Silt Loam | NCM | |
| XEB-AR-2.19 | II | 24 | 34 | Pale Yellow Brown Mottled W/ Yellow Brown | Silt Loam | NCM | Compact Soil |
| XEB-AR-2.2 | I | 0 | 29 | Gray Brown | Silt Loam | NCM | W/ Gravel |
| XEB-AR-2.2 | II | 29 | 40 | Yellow Brown | Silt Loam | NCM | W/ Gravel |

South Ripley Solar, Town of South Ripley, Chautauqua County, New York
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Appendix C: Shovel Test Results
Supplemental Phase IB Archaeological Survey

| | | | | | | | |
|-------------|----|----|----|---|-----------|----------------------------------|--------------|
| XEB-AR-2.21 | I | 0 | 26 | Dark Brown | Silt Loam | NCM | W/ Gravel |
| XEB-AR-2.21 | II | 26 | 37 | Yellow Brown W/ Strong Brown Mottles | Clay Loam | NCM | W/ Gravel |
| XEB-AR-2.22 | I | 0 | 26 | Dark Brown | Silt Loam | NCM | W/ Gravel |
| XEB-AR-2.22 | II | 26 | 36 | Yellow Brown W/ Strong Brown Mottles | Clay Loam | NCM | W/ Gravel |
| XEB-AR-2.23 | I | 0 | 23 | Brown | Silt Loam | Discard Modern Bullet on Surface | |
| XEB-AR-2.23 | II | 23 | 35 | Pale Yellow Brown Mottled W/ Yellow Brown | Silt Loam | NCM | Compact Soil |
| XEB-AR-2.24 | I | 0 | 29 | Brown | Silt Loam | NCM | |
| XEB-AR-2.24 | II | 29 | 40 | Pale Yellow Brown Mottled W/ Yellow Brown | Silt Loam | NCM | Compact Soil |
| XEB-AR-2.25 | I | 0 | 27 | Gray Brown | Silt Loam | NCM | W/ Gravel |
| XEB-AR-2.25 | II | 27 | 40 | Yellow Brown | Silt Loam | NCM | W/ Gravel |
| XEB-AR-2.26 | I | 0 | 33 | Gray Brown | Silt Loam | NCM | W/ Gravel |
| XEB-AR-2.26 | II | 33 | 44 | Yellow Brown | Silt Loam | NCM | W/ Gravel |
| XEB-AR-2.27 | I | 0 | 27 | Dark Brown | Silt Loam | NCM | W/ Gravel |
| XEB-AR-2.27 | II | 27 | 37 | Yellow Brown W/ Strong Brown Mottles | Clay Loam | NCM | W/ Gravel |
| XEB-AR-2.28 | I | 0 | 31 | Gray Brown | Silt Loam | NCM | W/ Gravel |
| XEB-AR-2.28 | II | 31 | 45 | Yellow Brown | Silt Loam | NCM | W/ Gravel |
| XEB-AR-2.29 | I | 0 | 28 | Gray Brown | Silt Loam | NCM | W/ Gravel |
| XEB-AR-2.29 | II | 28 | 44 | Yellow Brown | Silt Loam | NCM | W/ Gravel |
| XEB-AR-2.3 | I | 0 | 27 | Brown | Silt Loam | NCM | |

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| | | | | | | | |
|-------------|----|----|----|---|-----------|-----|--------------|
| XEB-AR-2.3 | II | 27 | 45 | Pale Yellow Brown Mottled W/ Yellow Brown | Silt Loam | NCM | Compact Soil |
| XEB-AR-2.31 | I | 0 | 24 | Brown | Silt Loam | NCM | |
| XEB-AR-2.31 | II | 24 | 36 | Pale Yellow Brown Mottled W/ Yellow Brown | Silt Loam | NCM | Compact Soil |
| XEB-AR-2.32 | I | 0 | 35 | Dark Brown | Silt Loam | NCM | |
| XEB-AR-2.32 | II | 35 | 45 | Yellow Brown W/ Strong Brown Mottles | Clay Loam | NCM | W/ Gravel |
| XEB-AR-2.33 | I | 0 | 28 | Brown | Silt Loam | NCM | |
| XEB-AR-2.33 | II | 28 | 39 | Pale Yellow Brown Mottled W/ Yellow Brown | Silt Loam | NCM | Compact Soil |
| XEB-AR-2.34 | I | 0 | 35 | Brown | Silt Loam | NCM | |
| XEB-AR-2.34 | II | 35 | 47 | Pale Yellow Brown | Silt Loam | NCM | Compact Soil |
| XEB-AR-2.35 | I | 0 | 31 | Brown | Silt Loam | NCM | |
| XEB-AR-2.35 | II | 31 | 43 | Pale Yellow Brown Mottled W/ Yellow Brown | Silt Loam | NCM | Compact Soil |
| XEB-AR-2.36 | I | 0 | 29 | Dark Brown | Silt Loam | NCM | |
| XEB-AR-2.36 | II | 29 | 42 | Yellow Brown | Clay Loam | NCM | W/ Gravel |
| XEB-AR-2.37 | I | 0 | 35 | Light Brown | Silt Loam | NCM | W/ Gravel |
| XEB-AR-2.37 | II | 35 | 46 | Yellow Brown W/ Strong Brown Mottles | Clay Loam | NCM | W/ Gravel |
| XEB-AR-2.38 | I | 0 | 29 | Gray Brown | Silt Loam | NCM | W/ Gravel |
| XEB-AR-2.38 | II | 29 | 43 | Yellow Brown | Silt Loam | NCM | W/ Gravel |
| XEB-AR-2.39 | I | 0 | 22 | Brown | Silt Loam | NCM | |

South Ripley Solar, Town of South Ripley, Chautauqua County, New York
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Appendix C: Shovel Test Results
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| | | | | | | | |
|-------------|-----|----|----|---|-----------|-----|----------------------------------|
| XEB-AR-2.39 | II | 22 | 33 | Pale Yellow Brown Mottled W/ Yellow Brown | Silt Loam | NCM | |
| XEB-AR-2.4 | I | 0 | 24 | Brown | Silt Loam | NCM | |
| XEB-AR-2.4 | II | 24 | 40 | Pale Yellow Brown | Silt Loam | NCM | |
| XEB-AR-2.41 | I | 0 | 26 | Brown | Silt Loam | NCM | |
| XEB-AR-2.41 | II | 26 | 33 | Olive Brown | Clay Loam | NCM | |
| XEB-AR-2.41 | III | 33 | 43 | Pale Brown | Clay Loam | NCM | Compact Soil |
| XEB-AR-2.42 | I | 0 | 33 | Dark Brown | Silt Loam | NCM | |
| XEB-AR-2.42 | II | 33 | 44 | Dark Yellow Brown | Silt Loam | NCM | W/ Rocks |
| XEB-AR-2.43 | I | 0 | 18 | Brown | Silt Loam | NCM | |
| XEB-AR-2.43 | II | 18 | 32 | Pale Yellow Brown | Silt Loam | NCM | |
| XEB-AR-2.44 | I | 0 | 30 | Dark Brown | Silt Loam | NCM | |
| XEB-AR-2.44 | II | 30 | 40 | Dark Yellow Brown | Silt Loam | NCM | W/ Rocks |
| XEB-AR-2.45 | I | 0 | 28 | Brown | Silt Loam | NCM | |
| XEB-AR-2.45 | II | 28 | 38 | Pale Brown Mottled W/ Yellow Brown | Silt Loam | NCM | |
| XEB-AR-2.46 | I | 0 | 32 | Dark Brown | Silt Loam | NCM | |
| XEB-AR-2.46 | II | 32 | 43 | Olive Brown | Silt Loam | NCM | |
| XEB-AR-2.46 | III | 43 | 51 | Yellow Brown W/ Strong Brown Mottles | Clay Loam | NCM | |
| XEB-AR-2.47 | I | 0 | 34 | Dark Brown | Silt Loam | NCM | |
| XEB-AR-2.47 | II | 34 | 46 | Yellow Brown W/ Strong Brown Mottles | Clay Loam | NCM | |
| XEB-AR-2.48 | I | 0 | 36 | Dark Brown | Silt Loam | NCM | W/ Gravel; Stopped By Large Rock |
| XEB-AR-2.49 | I | 0 | 28 | Dark Brown | Silt Loam | NCM | |

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| | | | | | | | |
|-------------|-----|----|----|---|-------------|-----|--------------|
| XEB-AR-2.49 | II | 28 | 39 | Yellow Brown W/ Strong Brown Mottles | Clay Loam | NCM | |
| XEB-AR-2.5 | I | 0 | 40 | Dark Brown | Silt Loam | NCM | W/ Gravel |
| XEB-AR-2.5 | II | 40 | 53 | Yellow Brown | Silt Loam | NCM | W/ Gravel |
| XEB-AR-2.51 | I | 0 | 34 | Dark Brown | Silt Loam | NCM | |
| XEB-AR-2.51 | II | 34 | 44 | Yellow Brown W/ Strong Brown Mottles | Clay Loam | NCM | |
| XEB-AR-2.52 | I | 0 | 24 | Dark Brown | Silt Loam | NCM | W/ Gravel |
| XEB-AR-2.52 | II | 24 | 37 | Yellow Brown | Silt Loam | NCM | W/ Gravel |
| XEB-AR-5.02 | I | 0 | 31 | Light Brown | Silt Loam | NCM | |
| XEB-AR-5.02 | II | 31 | 41 | Yellow Brown | Clay Loam | NCM | |
| XEB-AR-5.03 | I | 0 | 26 | Dark Brown | Silt Loam | NCM | |
| XEB-AR-5.03 | II | 26 | 39 | Dark Yellow Brown | Silt Loam | NCM | |
| XEB-AR-5.04 | I | 0 | 14 | Brown | Silt Loam | NCM | |
| XEB-AR-5.04 | II | 14 | 46 | Yellow Brown W/ Strong Brown Mottles | Silt Loam | NCM | |
| XEB-AR-5.06 | I | 0 | 42 | Dark Brown | Silt Loam | NCM | |
| XEB-AR-5.06 | II | 42 | 55 | Yellow Brown | Silt Loam | NCM | |
| XEB-AR-5.08 | I | 0 | 28 | Light Brown | Silt Loam | NCM | |
| XEB-AR-5.08 | II | 28 | 39 | Yellow Brown | Clay Loam | NCM | |
| XEB-AR-5.09 | I | 0 | 12 | Dark Brown | Silt Loam | NCM | |
| XEB-AR-5.09 | II | 12 | 34 | Dark Gray Brown | SI LO W/ CL | NCM | |
| XEB-AR-5.09 | III | 34 | 46 | Pale Yellow Brown | Silt Loam | NCM | |
| XEB-AR-5.1 | I | 0 | 18 | Dark Brown | Silt Loam | NCM | |
| XEB-AR-5.1 | II | 18 | 31 | Dark Gray Brown | Silt Loam | NCM | Compact Soil |
| XEB-AR-5.1 | III | 31 | 45 | Yellow Brown | Silt Loam | NCM | Compact Soil |
| XEB-AR-5.12 | I | 0 | 33 | Dark Brown | Silt Loam | NCM | |

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Supplemental Phase IB Archaeological Survey

| | | | | | | | |
|-------------|-----|----|----|--|-----------|-----------------|-----------------------|
| XEB-AR-5.12 | II | 33 | 43 | Yellow Brown Mottled W/ Dark Yellow Brown | Clay Loam | NCM | |
| XEB-AR-5.13 | I | 0 | 23 | Light Brown | Silt Loam | NCM | |
| XEB-AR-5.13 | II | 23 | 36 | Yellow Brown | Clay Loam | NCM | |
| XEB-AR-5.15 | I | 0 | 13 | Brown | Silt Loam | NCM | |
| XEB-AR-5.15 | II | 13 | 41 | Gray Brown & Oxidized Strong Brown | Silt Loam | NCM | Wetland Soils |
| XEB-AR-5.15 | III | 41 | 55 | Gray / Gley & Oxidized Strong Brown | Clay Loam | NCM | Wetland Soils |
| XEB-AR-5.18 | I | 0 | 30 | Strong Brown | Silt Loam | NCM | |
| XEB-AR-5.18 | II | 30 | 42 | Yellow Brown | Clay Loam | NCM | |
| XEB-AR-5.19 | I | 0 | 20 | Dark Brown | Silt Loam | NCM | |
| XEB-AR-5.19 | II | 20 | 32 | Dark Gray Brown | Silt Loam | NCM | Compact Soil |
| XEB-AR-5.19 | III | 32 | 46 | Yellow Brown | Silt Loam | NCM | Compact Soil |
| XEB-AR-5.2 | I | 0 | 27 | Dark Brown | Silt Loam | NCM | |
| XEB-AR-5.2 | II | 27 | 40 | Dark Yellow Brown | Silt Loam | NCM | |
| XEB-AR-5.21 | I | 0 | 26 | Brown | Silt Loam | NCM | |
| XEB-AR-5.21 | II | 26 | 37 | Pale Brown Mottled W/ Yellow Brown | Silt Loam | NCM | Slightly Compact Soil |
| XEB-AR-5.25 | I | 0 | 29 | Strong Brown | Silt Loam | NCM | |
| XEB-AR-5.25 | II | 29 | 41 | Yellow Brown | Clay Loam | NCM | |
| XEB-AR-5.27 | I | 0 | 20 | Dark Brown | Silt Loam | Discard Plastic | |
| XEB-AR-5.27 | II | 20 | 33 | Dark Gray Brown | Silt Loam | Discard Ch | Compact Soil |
| XEB-AR-5.27 | III | 33 | 50 | Yellow Brown | Silt Loam | NCM | Compact Soil |
| XEB-AR-5.28 | I | 0 | 25 | Brown | Silt Loam | NCM | |
| XEB-AR-5.28 | I | 0 | 28 | Strong Brown | Silt Loam | NCM | |
| XEB-AR-5.28 | II | 25 | 36 | Dark Gray Brown | Silt Loam | NCM | |

South Ripley Solar, Town of South Ripley, Chautauqua County, New York
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Appendix C: Shovel Test Results
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| | | | | | | | |
|-------------|-----|----|----|---|-----------|-------------------------------|-----------------------|
| XEB-AR-5.28 | II | 28 | 38 | Yellow Brown | Clay Loam | NCM | |
| XEB-AR-5.28 | III | 36 | 48 | Pale Yellow Brown | Silt Loam | NCM | |
| XEB-AR-5.31 | I | 0 | 37 | Dark Brown | Silt Loam | NCM | Stopped BY Rock |
| XEB-AR-5.32 | I | 0 | 29 | Brown | Silt Loam | NCM | |
| XEB-AR-5.32 | II | 29 | 44 | Dark Gray Brown | Clay Loam | NCM | Slightly Compact Soil |
| XEB-AR-5.32 | III | 44 | 54 | Pale Yellow Brown Mottled W/ Strong Brown | Silt Loam | NCM | |
| XEB-AR-5.33 | I | 0 | 16 | Dark Brown | Silt Loam | NCM | |
| XEB-AR-5.33 | II | 16 | 32 | Dark Gray Brown | Silt Loam | NCM | Compact Soil |
| XEB-AR-5.33 | III | 32 | 42 | Yellow Brown | Silt Loam | NCM | Compact Soil |
| XEB-AR-5.35 | I | 0 | 30 | Dark Brown | Silt Loam | NCM | |
| XEB-AR-5.35 | II | 30 | 42 | Dark Yellow Brown | Silt Loam | NCM | |
| XEB-AR-5.36 | I | 0 | 23 | Light Brown | Silt Loam | NCM | |
| XEB-AR-5.36 | II | 23 | 40 | Yellow Brown | Clay Loam | NCM | |
| XEB-AR-5.4 | I | 0 | 29 | Light Brown | Clay Loam | NCM | |
| XEB-AR-5.4 | II | 29 | 34 | Yellow Brown | Clay Loam | NCM | |
| XEB-AR-5.4 | III | 34 | 45 | Gray Brown | CLAY | NCM | |
| XEB-AR5.41 | I | 0 | 34 | Brown | Silt Loam | 1 Glass, 1 Metal & 2 Ceramics | |
| XEB-AR5.41 | II | 34 | 47 | Pale Yellow Brown | Silt Loam | NCM | |
| XEB-AR-5.42 | I | 0 | 14 | Brown | Silt Loam | NCM | |
| XEB-AR-5.42 | II | 14 | 30 | Pale Yellow Brown | Silt Loam | NCM | |
| XEB-AR-5.43 | I | 0 | 35 | Brown | Silt Loam | NCM | W/ Light Gravel |
| XEB-AR-5.43 | II | 35 | 46 | Yellow Brown | Silt Loam | NCM | W/ Light Gravel |
| XEB-AR-5.45 | | | | | | | Not Tested |
| XEB-AR-5.45 | I | 0 | 17 | Brown | Silt Loam | NCM | |
| XEB-AR-5.45 | II | 17 | 36 | Pale Yellow Brown | Silt Loam | NCM | |
| XEB-AR-5.46 | I | 0 | 15 | Brown | Silt Loam | NCM | W/ Rocks & Gravel |
| XEB-AR-5.46 | II | 15 | 39 | Yellow Brown | Silt Loam | NCM | W/ Rocks & Gravel |
| XEB-AR-5.47 | I | 0 | 22 | Brown | Silt Loam | NCM | |

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Appendix C: Shovel Test Results
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| | | | | | | | |
|-------------|-----|----|----|--|------------|-------------|-------------------------|
| XEB-AR-5.47 | II | 22 | 36 | Pale Yellow Brown | Silt Loam | NCM | W/ Gravel; Compact Soil |
| XEB-AR-5.49 | I | 0 | 29 | Light Brown | Silt Loam | NCM | |
| XEB-AR-5.49 | II | 29 | 41 | Gray Yellow Brown | Sandy Clay | NCM | |
| XEB-AR-5.51 | I | 0 | 34 | Brown | Silt Loam | NCM | |
| XEB-AR-5.51 | II | 34 | 46 | Pale Yellow Brown Mottled W/ Dark Yellow Brown | Silt Loam | NCM | |
| XEB-AR-5.52 | I | 0 | 22 | Light Brown | Silt Loam | NCM | |
| XEB-AR-5.52 | II | 22 | 34 | Yellow Brown | Sandy Loam | NCM | |
| XEB-AR-5.52 | III | 34 | 41 | Gray Brown | Clay | NCM | |
| XEB-AR-5.54 | I | 0 | 19 | Brown | Silt Loam | NCM | |
| XEB-AR-5.54 | II | 19 | 50 | Yellow Brown | Silt Loam | NCM | |
| XEB-AR-5.54 | III | 50 | 55 | Pale Yellow Brown | Silt Loam | NCM | |
| XEB-AR-5.55 | I | 0 | 21 | Brown | Silt Loam | NCM | |
| XEB-AR-5.55 | II | 21 | 27 | Yellow Brown | Silt Loam | NCM | |
| XEB-AR-5.55 | III | 27 | 38 | Pale Yellow Brown | Silt Loam | NCM | W/ Gravel |
| XEB-AR-5.56 | I | 0 | 25 | Brown | Silt Loam | Discard Sty | W/ Light Gravel |
| XEB-AR-5.56 | II | 25 | 41 | Yellow Brown | Silt Loam | NCM | W/ Light Gravel |
| XEB-AR-5.59 | I | 0 | 23 | Brown | Silt Loam | NCM | W/ Light Gravel |
| XEB-AR-5.59 | II | 23 | 40 | Yellow Brown | Silt Loam | NCM | W/ Light Gravel |
| XEB-AR-5.6 | I | 0 | 15 | Brown | Silt Loam | NCM | |
| XEB-AR-5.6 | II | 15 | 39 | Dark Yellow Brown | Silt Loam | NCM | |
| XEB-AR-5.61 | I | 0 | 11 | Light Brown | Silt Loam | NCM | |
| XEB-AR-5.61 | II | 11 | 21 | Yellow Brown | Sandy Loam | NCM | |
| XEB-AR-5.61 | III | 21 | 33 | Gray Brown | Clay Loam | NCM | |
| XEB-AR-5.62 | I | 0 | 22 | Brown | Silt Loam | NCM | |
| XEB-AR-5.62 | II | 22 | 33 | Light Yellow Brown | Silt Loam | NCM | |
| XEB-AR-5.65 | I | 0 | 18 | Brown | Silt Loam | NCM | |
| XEB-AR-5.65 | II | 18 | 40 | Strong Brown | Silt Loam | NCM | |
| XLA-20.01 | I | 0 | 19 | Dark Brown | Silt Loam | NCM | |

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Appendix C: Shovel Test Results
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| | | | | | | | |
|-----------|-----|----|----|------------------------------------|-----------|-----|---------------------|
| XLA-20.01 | II | 19 | 47 | Strong Brown | Silt Loam | NCM | |
| XLA-20.03 | I | 0 | 18 | Light Brown | Silt Loam | NCM | |
| XLA-20.03 | II | 18 | 35 | Dark Brown | Silt Loam | NCM | |
| XLA-20.04 | I | 0 | 7 | Black | Silt Loam | NCM | W/ Organics |
| XLA-20.04 | II | 7 | 19 | Light Brown | Silt Loam | NCM | |
| XLA-20.04 | III | 19 | 37 | Dark Brown | Loam | NCM | |
| XLA-20.05 | I | 0 | 9 | Black | Silt Loam | NCM | W/ Organics |
| XLA-20.05 | I | 0 | 29 | Light Brown | Silt Loam | NCM | |
| XLA-20.05 | II | 9 | 35 | Brown & Patches Of Yellow Brown | Silt Loam | NCM | |
| XLA-20.05 | II | 29 | 39 | Dark Brown | Silt Loam | NCM | |
| XLA-20.05 | III | 35 | 50 | Olive Brown | Silt Loam | NCM | |
| XLA-20.05 | III | 39 | 43 | Yellow Brown | Silt Loam | NCM | |
| XLA-20.06 | I | 0 | 6 | Black | Silt Loam | NCM | W/ Organics |
| XLA-20.06 | II | 6 | 16 | Light Brown | Silt Loam | NCM | |
| XLA-20.06 | III | 16 | 36 | Yellow Brown | Clay Loam | NCM | |
| XLA-20.07 | I | 0 | 7 | Black | Silt Loam | NCM | W/ Organics & Roots |
| XLA-20.07 | II | 7 | 36 | Brown | Silt Loam | NCM | W/ Roots |
| XLA-20.07 | III | 36 | 47 | Yellow Brown | Silt Loam | NCM | |
| XLA-20.2 | I | 0 | 10 | Black | Silt Loam | NCM | W/ Organics |
| XLA-20.2 | II | 10 | 34 | Light Brown | Silt Loam | NCM | |
| XLA-20.2 | III | 34 | 45 | Dark Brown | Silt Loam | NCM | |
| XLA-21.01 | I | 0 | 10 | Light Brown | Silt Loam | NCM | |
| XLA-21.01 | II | 10 | 15 | Gray | Loam | NCM | |
| XLA-21.01 | III | 15 | 35 | Light Brown | Silt Loam | NCM | |
| XLA-21.01 | IV | 35 | 45 | Dark Brown | Silt Loam | NCM | |
| XLA-21.02 | I | 0 | 6 | Black | Silt Loam | NCM | W/ Organics |
| XLA-21.02 | II | 6 | 20 | Brown | Silt Loam | NCM | |
| XLA-21.02 | III | 20 | 41 | Yellow Brown | Silt Loam | NCM | |
| XLA-21.03 | I | 0 | 9 | Black | Silt Loam | NCM | W/ Organics |

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Appendix C: Shovel Test Results
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| | | | | | | | |
|-----------|-----|----|----|-------------------|-----------|------------------|----------------------------------|
| XLA-21.03 | II | 9 | 48 | Brown | Silt Loam | Discard Charcoal | |
| XLA-21.03 | III | 48 | 60 | Yellow Brown | Silt Loam | NCM | |
| XLA-21.04 | I | 0 | 9 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XLA-21.04 | II | 9 | 30 | Brown | Silt Loam | NCM | |
| XLA-21.04 | III | 30 | 45 | Dark Yellow Brown | Silt Loam | NCM | |
| XLA-21.05 | I | 0 | 10 | Black | Silt Loam | NCM | W/ Organics & Roots |
| XLA-21.05 | II | 10 | 41 | Brown | Silt Loam | Discard Charcoal | |
| XLA-21.05 | III | 41 | 53 | Yellow Brown | Silt Loam | NCM | |
| XLA-21.06 | I | 0 | 14 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XLA-21.06 | II | 14 | 45 | Brown | Silt Loam | NCM | |
| XLA-21.06 | III | 45 | 58 | Dark Yellow Brown | Silt Loam | NCM | |
| XLA-21.07 | I | 0 | 13 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XLA-21.07 | II | 13 | 47 | Brown | Silt Loam | NCM | |
| XLA-21.07 | III | 47 | 57 | Dark Yellow Brown | Silt Loam | NCM | |
| XLA-21.08 | I | 0 | 30 | Dark Gray Brown | Silt Loam | NCM | Gley Soils |
| XLA-21.08 | II | 30 | 42 | Dark Olive Brown | Clay Loam | NCM | Gley Soils |
| XLA-22.02 | I | 0 | 27 | Light Brown | Silt Loam | NCM | |
| XLA-22.02 | II | 27 | 37 | Dark Brown | Silt Loam | NCM | |
| XLA-22.03 | I | 0 | 11 | Black | Silt Loam | NCM | W/ Roots |
| XLA-22.03 | II | 11 | 29 | Brown | Silt Loam | NCM | W/ Roots; Stopped By Large Roots |
| XLA-22.04 | I | 0 | 18 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XLA-22.04 | II | 18 | 42 | Strong Brown | Silt Loam | NCM | |
| XLA-22.04 | III | 42 | 53 | Dark Yellow Brown | Silt Loam | NCM | |
| XLA-22.06 | I | 0 | 19 | Light Brown | Silt Loam | NCM | |
| XLA-22.06 | II | 19 | 30 | Yellow Brown | Silt Loam | NCM | |
| XLA-22.08 | I | 0 | 8 | Black | Silt Loam | NCM | W/ Organics |
| XLA-22.08 | II | 8 | 30 | Brown | Silt Loam | Discard Charcoal | |
| XLA-22.08 | III | 30 | 46 | Yellow Brown | Silt Loam | NCM | |
| XLA-23.03 | I | 0 | 9 | Black | Loam | NCM | W/ Organics |
| XLA-23.03 | II | 9 | 27 | Light Brown | Silt Loam | NCM | |

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Appendix C: Shovel Test Results
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| | | | | | | | |
|-----------|-----|----|----|-------------------|-----------|-----|----------------------------|
| XLA-23.03 | III | 27 | 37 | Yellow Brown | Silt Loam | NCM | |
| XLA-23.06 | I | 0 | 8 | Black | Loam | NCM | W/ Organics |
| XLA-23.06 | II | 8 | 28 | Yellow Brown | Loam | NCM | Stopped By Roots |
| XLA-24.01 | I | 0 | 10 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XLA-24.01 | II | 10 | 53 | Strong Brown | Silt Loam | NCM | |
| XLA-24.01 | III | 53 | 63 | Dark Yellow Brown | Silt Loam | NCM | |
| XLA-24.02 | I | 0 | 9 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XLA-24.02 | II | 9 | 30 | Strong Brown | Silt Loam | NCM | Stopped By Root |
| XLA-24.03 | I | 0 | 5 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XLA-24.03 | II | 5 | 39 | Brown | Silt Loam | NCM | |
| XLA-24.03 | III | 39 | 59 | Yellow Brown | Silt Loam | NCM | |
| XLA-24.04 | I | 0 | 11 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XLA-24.04 | II | 11 | 43 | Strong Brown | Silt Loam | NCM | |
| XLA-24.04 | III | 43 | 58 | Dark Yellow Brown | Silt Loam | NCM | |
| XLA-24.05 | I | 0 | 7 | Black | Silt Loam | NCM | W/ Organics |
| XLA-24.05 | II | 7 | 40 | Brown | Silt Loam | NCM | |
| XLA-24.05 | III | 40 | 52 | Yellow Brown | Silt Loam | NCM | |
| XLA-24.06 | I | 0 | 10 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XLA-24.06 | II | 10 | 36 | Brown | Silt Loam | NCM | |
| XLA-24.06 | III | 36 | 47 | Dark Yellow Brown | Silt Loam | NCM | |
| XLA-24.07 | I | 0 | 7 | Black | Loam | NCM | W/ Organics |
| XLA-24.07 | II | 7 | 30 | Light Brown | Silt Loam | NCM | |
| XLA-24.07 | III | 30 | 54 | Brown | Silt Loam | NCM | |
| XLA-25.04 | I | 0 | 15 | Black | Silt Loam | NCM | W/ Organics |
| XLA-25.04 | II | 15 | 38 | Brown | Silt Loam | NCM | Stopped By Large Tree Root |
| XLA-27.01 | I | 0 | 13 | Black | Silt Loam | NCM | W/ Organics |
| XLA-27.01 | II | 13 | 30 | Brown | Silt Loam | NCM | |
| XLA-27.01 | III | 30 | 42 | Yellow Brown | Silt Loam | NCM | |
| XLA-27.03 | I | 0 | 7 | Dark Brown | Silt Loam | NCM | W/ Organics |

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Appendix C: Shovel Test Results
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| | | | | | | | |
|------------|-----|----|----|-----------------------|-----------|------------------|---------------------|
| XLA-27.03 | II | 7 | 40 | Dark Olive Gray Brown | Silt Loam | NCM | |
| XLA-27.03 | III | 40 | 56 | Dark Yellow Brown | Silt Loam | NCM | |
| XLA-27.05 | I | 0 | 12 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XLA-27.05 | II | 12 | 40 | Brown | Silt Loam | NCM | |
| XLA-27.05 | III | 40 | 51 | Dark Yellow Brown | Silt Loam | NCM | |
| XLA-28.02 | I | 0 | 8 | Black | Loam | NCM | W/ Organics |
| XLA-28.02 | II | 8 | 39 | Strong Brown | Silt Loam | NCM | |
| XLA-28.02 | III | 39 | 49 | Yellow Brown | Silt Loam | NCM | |
| XLA-28.03 | I | 0 | 5 | Black | Silt Loam | NCM | W/ Organics |
| XLA-28.03 | II | 5 | 24 | Brown | Silt Loam | Discard Charcoal | |
| XLA-28.03 | III | 24 | 46 | Yellow Brown | Silt Loam | NCM | |
| XLA-28.04 | I | 0 | 7 | Black | Loam | NCM | W/ Organics |
| XLA-28.04 | II | 7 | 34 | Light Brown | Silt Loam | NCM | |
| XLA-28.04 | III | 34 | 47 | Yellow Brown | Silt Loam | NCM | |
| XLA-28.06 | I | 0 | 9 | Black | Silt Loam | NCM | W/ Large Roots |
| XLA-28.06 | II | 9 | 30 | Brown | Silt Loam | NCM | W/ Large Roots |
| XLA-28.06 | III | 30 | 43 | Yellow Brown | Silt Loam | NCM | |
| XLA-29.02 | I | 0 | 10 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XLA-29.02 | II | 10 | 32 | Brown | Silt Loam | NCM | |
| XLA-29.02 | III | 32 | 48 | Dark Yellow Brown | Silt Loam | NCM | |
| XLA-29.034 | I | 0 | 7 | Black | Loam | NCM | W/ Organics |
| XLA-29.034 | II | 7 | 23 | Dark Brown | Silt Loam | NCM | |
| XLA-29.034 | III | 23 | 37 | Yellow Brown | Silt Loam | NCM | |
| XLA-29.05 | I | 0 | 11 | Black | Loam | NCM | W/ Organics |
| XLA-29.05 | II | 11 | 34 | Brown | Silt Loam | NCM | |
| XLA-29.05 | III | 34 | 44 | Brown | CLAY | NCM | |
| XLA-30.01 | I | 0 | 8 | Black | Silt Loam | NCM | W/ Organics & Roots |
| XLA-30.01 | II | 8 | 40 | Brown | Silt Loam | NCM | |
| XLA-30.01 | III | 40 | 52 | Yellow Brown | Silt Loam | NCM | |

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| | | | | | | | |
|-----------|-----|----|----|--|-----------|-----|-------------|
| XLA-30.04 | I | 0 | 8 | Black | Silt Loam | NCM | W/ Organics |
| XLA-30.04 | II | 8 | 33 | Brown | Silt Loam | NCM | |
| XLA-30.04 | III | 33 | 47 | Yellow Brown | Silt Loam | NCM | |
| XLA-31.05 | I | 0 | 5 | Black | Silt Loam | NCM | W/ Organics |
| XLA-31.05 | I | 0 | 10 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XLA-31.05 | II | 5 | 13 | Dark Gray | Silt Loam | NCM | |
| XLA-31.05 | II | 10 | 42 | Brown | Silt Loam | NCM | |
| XLA-31.05 | III | 13 | 35 | Light Olive Brown W/ Strong Brown Mottles | Silt Loam | NCM | |
| XLA-31.05 | III | 42 | 55 | Dark Yellow Brown | Silt Loam | NCM | |
| XLA-31.06 | I | 0 | 9 | Black | Loam | NCM | W/ Organics |
| XLA-31.06 | II | 9 | 41 | Light Brown | Silt Loam | NCM | |
| XLA-31.06 | III | 41 | 51 | Yellow Brown | Clay Loam | NCM | |
| XLA-32.03 | I | 0 | 5 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XLA-32.03 | II | 5 | 25 | Dark Gray Brown | Silt Loam | NCM | |
| XLA-32.03 | III | 25 | 39 | Dark Yellow Brown | Silt Loam | NCM | |
| XLA-32.04 | I | 0 | 10 | Dark Brown | Silt Loam | NCM | W/ Organics |
| XLA-32.04 | II | 10 | 30 | Brown | Silt Loam | NCM | |
| XLA-32.04 | III | 30 | 41 | Dark Yellow Brown | Silt Loam | NCM | |
| XLA-34.02 | I | 0 | 7 | Black | Loam | NCM | W/ Organics |
| XLA-34.02 | II | 7 | 35 | Light Brown | Silt Loam | NCM | |
| XLA-34.02 | III | 35 | 45 | Yellow Brown | Clay Loam | NCM | |
| XLA-34.03 | I | 0 | 7 | Black | Loam | NCM | W/ Organics |
| XLA-34.03 | II | 7 | 25 | Light Brown | Silt Loam | NCM | |
| XLA-34.03 | III | 25 | 35 | Yellow Brown | Clay Loam | NCM | |
| XLA-34.04 | I | 0 | 5 | Black | Silt Loam | NCM | W/ Organics |
| XLA-34.04 | II | 5 | 24 | Brown | Silt Loam | NCM | |
| XLA-34.04 | III | 24 | 40 | Olive Brown | Silt Loam | NCM | |
| XLA-35.02 | I | 0 | 8 | Black | Silt Loam | NCM | W/ Organics |

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| | | | | | | | |
|-----------|-----|----|----|---------------------------------------|-----------|-----|----------------------------|
| XLA-35.02 | II | 8 | 30 | Brown | Silt Loam | NCM | W/ Roots; Stopped by Roots |
| XLA-35.03 | I | 0 | 8 | Black | Silt Loam | NCM | W/ Organics |
| XLA-35.03 | II | 8 | 30 | Brown | Silt Loam | NCM | |
| XLA-35.03 | III | 30 | 45 | Yellow Brown | Silt Loam | NCM | |
| XLA-36.01 | I | 0 | 7 | Black | Silt Loam | NCM | W/ Organics |
| XLA-36.01 | II | 7 | 19 | Black | Clay Loam | NCM | |
| XLA-36.01 | III | 19 | 28 | Gray | Clay Loam | NCM | |
| XLA-36.01 | IV | 28 | 38 | Gray | WET CLAY | NCM | |
| XLA-36.02 | I | 0 | 11 | Dark Gray Brown | Silt Loam | NCM | |
| XLA-36.02 | II | 11 | 27 | Dark Olive Brown | Silt Loam | NCM | |
| XLA-36.02 | III | 27 | 38 | Dark Yellow Brown | Silt Loam | NCM | |
| XLA-36.03 | I | 0 | 24 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XLA-36.03 | II | 24 | 36 | Light Olive Brown | Silt Loam | NCM | |
| XLA-36.03 | III | 36 | 44 | Pale Brown Mottled W/ Yellow Brown | Silt Loam | NCM | Slightly Compact Soil |
| XLA-36.04 | I | 0 | 9 | Black | Silt Loam | NCM | |
| XLA-36.04 | II | 9 | 29 | Brown | Silt Loam | NCM | |
| XLA-36.04 | III | 29 | 40 | Light Olive Brown | Silt Loam | NCM | |
| XLA-36.05 | I | 0 | 7 | Black | Silt Loam | NCM | W/ Organics |
| XLA-36.05 | II | 7 | 29 | Gray | Clay Loam | NCM | |
| XLA-36.05 | III | 29 | 36 | Gray | Wet Clay | NCM | |
| XLA-36.06 | I | 0 | 23 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XLA-36.06 | II | 23 | 33 | Light Olive Brown | Silt Loam | NCM | |
| XLA-36.06 | III | 33 | 35 | Pale Yellow Brown | Silt Loam | NCM | |
| XLA-36.07 | I | 0 | 8 | Dark Gray Brown | Silt Loam | NCM | |
| XLA-36.07 | II | 8 | 22 | Brown Mottled W/ Dark Yellow Brown | Silt Loam | NCM | |
| XLA-36.07 | III | 22 | 34 | Yellow Brown | Silt Loam | NCM | Compact Soil |
| XLA-39.03 | I | 0 | 15 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XLA-39.03 | II | 15 | 28 | Dark Yellow Brown | Silt Loam | NCM | |

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| | | | | | | | |
|-----------|-----|----|----|---|------------------|----------------------|-------------|
| XLA-39.03 | III | 28 | 40 | Pale Yellow Brown | Silt Loam | NCM | |
| XLA-39.04 | I | 0 | 18 | Dark Brown | Silt Loam | NCM | W/ Roots |
| XLA-39.04 | II | 18 | 43 | Gray Brown | Silt Loam | NCM | |
| XLA-39.04 | III | 43 | 56 | Pale Yellow Brown | Silt Loam | NCM | |
| XLA-39.05 | I | 0 | 22 | Black | Wet Clay Loam | NCM | W/ Organics |
| XLA-39.07 | I | 0 | 18 | Dark Brown | Silt Loam | NCM | |
| XLA-39.07 | II | 18 | 30 | Dark Olive Brown | Silt Loam | NCM | |
| XLA-39.9 | I | 0 | 10 | Black | Silt Loam | NCM | |
| XLA-39.9 | II | 10 | 38 | Brown | Silt Loam | Discard Window Glass | |
| XLA-39.9 | III | 38 | 50 | Yellow Brown | Silt Loam | NCM | |
| XMA-9.01 | I | 0 | 19 | Dark Brown | Silt Loam | NCM | |
| XMA-9.01 | II | 19 | 41 | Dark Olive Brown Mottled W/ Dark Yellow Brown | Silt Loam | NCM | |
| XMA-9.03 | I | 0 | 17 | Dark Gray Brown | Silt Loam | NCM | |
| XMA-9.03 | II | 17 | 31 | Gray Brown Mottled W/ Yellow Brown | Silt Loam | NCM | |
| XMA-9.03 | III | 31 | 41 | Gray Brown | CLAY | NCM | |
| XMA-9.06 | I | 0 | 25 | Dark Brown | Clay Loam | NCM | |
| XMA-9.06 | II | 25 | 33 | Dark Gray Brown | Clay Loam | NCM | |
| XMA-9.06 | III | 33 | 44 | Pale Brown Mottled W/ Yellow Brown | Clay Loam | NCM | |
| XMA-9.09 | I | 0 | 26 | Dark Brown | Silt Loam | NCM | |
| XMA-9.09 | II | 26 | 43 | Yellow Brown | Silt Loam | NCM | |
| XMA-9.1 | I | 0 | 27 | Dark Brown | Clay Loam | NCM | |
| XMA-9.1 | II | 27 | 41 | Gray Brown / Yellow Brown | CLAY | NCM | |
| XMA-9.12 | I | 0 | 26 | Dark Brown | Silt Loam | NCM | |
| XMA-9.12 | II | 26 | 38 | Very Dark Brown | Silt Loam | NCM | |

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| | | | | | | | |
|----------|-----|----|----|--|-----------|-----|----------|
| XMA-9.12 | III | 38 | 54 | Pale Brown Mottled W/ Olive Brown | Clay Loam | NCM | |
| XMA-9.14 | I | 0 | 32 | Dark Brown | Silt Loam | NCM | |
| XMA-9.14 | II | 32 | 43 | Pale Brown Mottled W/ Yellow Brown | Clay Loam | NCM | |
| XMA-9.16 | I | 0 | 30 | Dark Brown | Silt Loam | NCM | |
| XMA-9.16 | II | 30 | 40 | Olive Brown | Silt Loam | NCM | |
| XMA-9.16 | III | 40 | 47 | Gray / Yellow Brown | Clay Loam | NCM | |
| XMA-9.17 | I | 0 | 20 | Dark Brown | Silt Loam | NCM | |
| XMA-9.17 | II | 20 | 44 | Yellow Brown | Silt Loam | NCM | |
| XMA-9.19 | I | 0 | 37 | Dark Brown | Silt Loam | NCM | |
| XMA-9.19 | II | 37 | 48 | Yellow Brown | Silt Loam | NCM | |
| XMA-9.19 | III | 48 | 58 | Pale Yellow Brown | Clay Loam | NCM | |
| XMA-9.2 | I | 0 | 24 | Dark Brown | Silt Loam | NCM | |
| XMA-9.2 | II | 24 | 42 | Dark Brown Mottled W/ Very Dark Brown | Silt Loam | NCM | |
| XMA-9.2 | III | 42 | 56 | Strong Brown | Silt Loam | NCM | |
| XMA-9.22 | I | 0 | 25 | Dark Brown | Silt Loam | NCM | |
| XMA-9.22 | II | 25 | 50 | Strong Brown | Silt Loam | NCM | |
| XMA-9.23 | I | 0 | 28 | Dark Olive Brown | Silt Loam | NCM | |
| XMA-9.23 | II | 28 | 41 | Strong Brown | Silt Loam | NCM | |
| XMA-9.24 | I | 0 | 26 | Dark Brown | Silt Loam | NCM | |
| XMA-9.24 | II | 26 | 40 | Dark Yellow Brown | Silt Loam | NCM | |
| XMA-9.26 | I | 0 | 16 | Dark Brown | Silt Loam | NCM | W/ Rocks |
| XMA-9.26 | II | 16 | 30 | Yellow Brown | Silt Loam | NCM | W/ Rocks |
| XMA-9.27 | I | 0 | 30 | Dark Brown | Silt Loam | NCM | |
| XMA-9.27 | II | 30 | 55 | Strong Brown | Silt Loam | NCM | |
| XMA-9.29 | I | 0 | 31 | Dark Brown | Silt Loam | NCM | |
| XMA-9.29 | II | 31 | 43 | Dark Olive Brown | Silt Loam | NCM | |
| XMA-9.29 | III | 43 | 51 | Gray / Yellow Brown | Clay Loam | NCM | |

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Appendix C: Shovel Test Results
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| | | | | | | | |
|-------------|-----|----|----|---------------------------------|-----------|-------------|---|
| XMA-9.3 | I | 0 | 30 | Dark Brown | Silt Loam | NCM | |
| XMA-9.3 | II | 30 | 43 | Dark Yellow Brown | Silt Loam | NCM | |
| XOA-34.07 | I | 0 | 9 | Dark Brown | Silt Loam | NCM | |
| XOA-34.07 | II | 9 | 16 | Yellow Brown | Silt Loam | NCM | |
| XOA-34.07 | III | 16 | 25 | Dark Brown | Silt Loam | NCM | |
| XOA-34.07 | IV | 25 | 32 | Light Olive Brown | Silt Loam | NCM | |
| XOA-34.07 | V | 32 | 40 | Pale Yellow Brown | Silt Loam | NCM | |
| XWB-AR-2.27 | I | 0 | 12 | Brown | Silt Loam | Discard Co | W/ Gravel |
| XWB-AR-2.27 | II | 12 | 22 | Dark Yellow Brown | Silt Loam | NCM | W/ Gravel |
| XWB-AR-2.27 | III | 22 | 32 | Yellow Brown | Silt Loam | NCM | |
| XWB-AR-2.27 | IV | 32 | 38 | Pale Yellow Brown | Silt Loam | NCM | |
| XWB-AR-2.28 | I | 0 | 32 | Dark Brown | Silt Loam | NCM | |
| XWB-AR-2.28 | II | 32 | 46 | Olive Brown | Silt Loam | NCM | |
| XWB-AR-2.29 | I | 0 | 33 | Brown | Silt Loam | Discard Mo | W/ Gravel |
| XWB-AR-2.29 | II | 33 | 47 | Strong Brown | Silt Loam | NCM | W/ Gravel |
| XWB-AR-2.3 | I | 0 | 26 | Brown | Silt Loam | NCM | W/ Gravel |
| XWB-AR-2.3 | II | 26 | 43 | Yellow Brown | Silt Loam | NCM | W/ Gravel |
| XWB-AR-2.31 | I | 0 | 17 | Light Brown | Silt Loam | NCM | W/ Gravel |
| XWB-AR-2.31 | II | 17 | 31 | Olive Brown | Silt Loam | NCM | W/ Gravel |
| XWB-AR-2.32 | I | 0 | 48 | Brown | Silt Loam | NCM | |
| XWB-AR-2.32 | II | 48 | 62 | Yellow Brown | Silt Loam | NCM | |
| XWB-AR-2.33 | I | 0 | 35 | Brown | Silt Loam | 3 Modern C | W/ Gravel |
| XWB-AR-2.33 | II | 35 | 48 | Yellow Brown | Silt Loam | NCM | W/ Gravel |
| XWB-AR-2.33 | III | 48 | 52 | Pale Yellow Brown | Silt Loam | NCM | |
| XWB-AR-2.34 | I | 0 | 11 | Brown | Silt Loam | NCM | |
| XWB-AR-2.34 | II | 11 | 30 | Pale Yellow & Dark Yellow Brown | Silt Loam | NCM | W/ Gravel; Band Of Dk Yl Br Compact Si Lo @ 2 |
| XWB-AR-2.35 | I | 0 | 20 | Brown | Silt Loam | Discard Alu | W/ Gravel |
| XWB-AR-2.35 | II | 20 | 39 | Yellow Brown | Silt Loam | NCM | W/ Gravel |
| XWB-AR-2.36 | I | 0 | 30 | Dark Brown | Silt Loam | NCM | W/ Gravel |

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Appendix C: Shovel Test Results
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| | | | | | | | |
|----------------------|----|----|----|---|-----------------|-------------------|--------------------------|
| XWB-AR-2.36 | II | 30 | 49 | Strong Brown | Silt Loam | NCM | W/ Gravel |
| XWB-AR-2.37 | I | 0 | 27 | Dark Brown | Silt Loam | NCM | W/ Gravel |
| XWB-AR-2.37 | II | 27 | 38 | Olive Brown | Silt Loam | NCM | W/ Gravel |
| XHA1.22R10.5E-7.5N | I | 0 | 35 | 10YR 4/3, Brown | Silty Clay Loam | NCM | With Gravel |
| XHA1.22R10.5E-7.5N | II | 35 | 45 | 10YR 5/4, Yellowish Brown, Yellow Brown | Silty Clay Loam | NCM | With Gravel |
| XHA1.22R10.5E-7.5N-A | I | 0 | 28 | 10YR 4/3, Brown | Silty Clay Loam | NCM | |
| XHA1.22R10.5E-7.5N-A | II | 28 | 41 | 10YR 5/4, Yellowish Brown, Yellow Brown | Silty Clay Loam | NCM | |
| XHA1.22R15E | I | 0 | 30 | 10YR 4/3, Brown | Silty Clay Loam | NCM | Fill mixed with 10YR 4/6 |
| XHA1.22R3E | I | 0 | 15 | 10YR 4/3, Brown | Silty Clay Loam | Historic Contents | |
| XHA1.22R3E | II | 15 | 25 | 10YR 5/4, Yellowish Brown, Yellow Brown | Silty Clay Loam | NCM | |
| XHA1.27R1E | I | 0 | 36 | 10YR 4/3, Brown | Silty Clay Loam | NCM | |
| XHA1.27R1E | II | 36 | 46 | 10YR 5/4, Yellowish Brown, Yellow Brown | Silty Clay Loam | NCM | |
| XHA1.27R3W | I | 0 | 40 | 10YR 4/3, Brown | Silty Clay Loam | NCM | |
| XHA1.27R3W | II | 40 | 50 | 10YR 5/4, Yellowish Brown, Yellow Brown | Silty Clay | NCM | |
| XHA1.27R1W | I | 0 | 38 | 10YR 4/3, Brown | Silty Clay Loam | NCM | |
| XHA1.27R1W | II | 38 | 48 | 10YR 5/4, Yellowish Brown, Yellow Brown | Silty Clay | NCM | |
| XHA1.27R3N | I | 0 | 33 | 10YR 4/3, Brown | Silty Clay Loam | NCM | |

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Appendix C: Shovel Test Results
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| | | | | | | | |
|--------------------|----|----|----|---|-----------------|-----------------------------|--------------------------|
| XHA1.27R3N | II | 33 | 43 | 10YR 5/4, Yellowish Brown, Yellow Brown | Silty Clay | NCM | |
| XHA1.22R3S | I | 0 | 21 | 10YR 4/3, Brown | Silty Clay Loam | NCM | |
| XHA1.22R3S | II | 21 | 31 | 10YR 5/4, Yellowish Brown, Yellow Brown | Silty Clay | NCM | |
| XHA1.22R1S | I | 0 | 18 | 10YR 4/3, Brown | Silty Clay Loam | 1 ceramic | |
| XHA1.22R1S | II | 18 | 28 | 10YR 5/4, Yellowish Brown, Yellow Brown | Silty Clay | NCM | |
| XHA1.22R3E-A | I | 0 | 28 | 10YR 4/3, Brown | Silty Clay Loam | NCM | |
| XHA1.22R3E-A | II | 28 | 38 | 10YR 5/4, Yellowish Brown, Yellow Brown | Silty Clay | NCM | |
| XHA1.22R7.5S | I | 0 | 22 | 10YR 4/3, Brown | Silty Clay Loam | NCM | |
| XHA1.22R7.5S | II | 22 | 32 | 10YR 5/4, Yellowish Brown, Yellow Brown | Silty Clay | NCM | |
| XHA1.22R10.5E | I | 0 | 17 | 10YR 4/3, Brown | Silty Clay Loam | historic ceramics and glass | |
| XHA1.22R10.5E | II | 17 | 27 | 10YR 5/4, Yellowish Brown, Yellow Brown | Silty Clay | NCM | |
| XHA1.22R18E | I | 0 | 25 | 10YR 4/3, Brown | Silty Clay Loam | NCM | |
| XHA1.22R10.5E-7.5S | I | 0 | 30 | 10YR 4/3, Brown | Silty Clay | NCM | Fill mixed with 10YR 4/6 |
| XHA1.22R10.5-15S | I | 0 | 25 | 10YR 5/4, Yellowish Brown, Yellow Brown | Silty Clay Loam | NCM | Fill mixed with 10YR 4/6 |
| XHA1.27R3S | I | 0 | 31 | 10YR 4/3, Brown | Silty Clay Loam | NCM | |
| XHA1.27R3S | II | 31 | 41 | 10YR 5/4, Yellowish Brown, Yellow Brown | Silty Clay | NCM | |

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Appendix C: Shovel Test Results
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| | | | | | | | |
|-------------|----|----|----|--|-----------------|----------------------|--|
| XHA1.27R1S | I | 0 | 30 | 10YR 4/3, Brown | Silty Clay Loam | NCM | |
| XHA1.27R1S | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellow Brown | Silty Clay | NCM | |
| XHA1.27R1N | I | 0 | 33 | 10YR 4/3, Brown | Silty Clay Loam | NCM | |
| XHA1.27R1N | II | 33 | 43 | 10YR 5/4, Yellowish Brown, Yellow Brown | Silty Clay | NCM | |
| XHA1.22R3W | I | 0 | 30 | 10YR 4/3, Brown | Silty Clay Loam | Historic Contents | |
| XHA1.22R3W | II | 30 | 40 | 10YR 5/4, Yellowish Brown, Yellow Brown | Silty Clay | NCM | |
| XHA1.22R18W | I | 0 | 28 | 10YR 4/3, Brown | Silty Clay Loam | NCM | |
| XHA1.22R18W | II | 28 | 38 | 10YR 5/4, Yellowish Brown, Yellow Brown | Silty Clay | NCM | |
| XHA1.25R3N | I | 0 | 25 | 10YR 4/3, Brown | Silty Clay Loam | NCM | |
| XHA1.25R3N | II | 25 | 35 | 10YR 5/4, Yellowish Brown, Yellow Brown | Silty Clay | NCM | |
| XHA1.25R1N | I | 0 | 27 | 10YR 4/3, Brown | Silty Clay Loam | NCM | |
| XHA1.25R1N | II | 27 | 37 | 10YR 5/4, Yellowish Brown, Yellow Brown | Silty Clay | NCM | |
| XHA1.25R3E | I | 0 | 15 | 10YR 4/3, Brown | Silty Clay Loam | NCM | |
| XHA1.25R3E | II | 15 | 25 | 10YR 5/4, Yellowish Brown, Yellow Brown | Silty Clay | NCM | |
| XHA1.25R1E | I | 0 | 24 | 10YR 4/3, Brown | Silty Clay Loam | NCM | |
| XHA1.25R1E | II | 24 | 34 | 10YR 5/4, Yellowish Brown, Yellow Brown | Silty Clay | NCM | |

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REDACTED - Matter No. 21-00750
Appendix C: Shovel Test Results
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| | | | | | | | |
|------------|----|----|----|--|-----------------|----------------------|--|
| XHA1.25R3W | I | 0 | 20 | 10YR 4/3, Brown | Silty Clay Loam | NCM | |
| XHA1.25R3W | II | 20 | 30 | 10YR 5/4, Yellowish Brown, Yellow Brown | Silty Clay | NCM | |
| XHA1.25R1W | I | 0 | 20 | 10YR 4/3, Brown | Silty Clay Loam | NCM | |
| XHA1.25R1W | II | 20 | 30 | 10YR 5/4, Yellowish Brown, Yellow Brown | Silty Clay | NCM | |
| XHA1.25R3S | I | 0 | 20 | 10YR 4/3, Brown | Silty Clay Loam | NCM | |
| XHA1.25R3S | II | 20 | 30 | 10YR 5/4, Yellowish Brown, Yellow Brown | Silty Clay | NCM | |
| XHA1.25R1S | I | 0 | 18 | 10YR 4/3, Brown | Silty Clay Loam | Historic Contents | |
| XHA1.25R1S | II | 18 | 28 | 10YR 5/4, Yellowish Brown, Yellow Brown | Silty Clay | NCM | |
| XHA1.22R3N | I | 0 | 40 | 10YR 4/3, Brown | Silty Clay Loam | NCM | |
| XHA1.22R3N | II | 40 | 50 | 10YR 5/4, Yellowish Brown, Yellow Brown | Silty Clay | NCM | |
| XHA1.22R1N | I | 0 | 48 | 10YR 4/3, Brown | Silty Clay Loam | NCM | |
| XHA1.22R1N | II | 48 | 58 | 10YR 5/4, Yellowish Brown, Yellow Brown | Silty Clay | NCM | |

Appendix D

Artifact Inventory

| Site | Provenience | Stratum | Minimum Stratum Depth (cmbs) | Maximum Stratum Depth (cmbs) | Material | Material Type | Material Description | Object | Object Type | Size | Count | Time Period | Notes |
|---------------|-----------------------|---------|------------------------------|------------------------------|----------|---------------|------------------------|----------------|------------------|----------|-------|----------------|---------------------------------|
| 19020-XAR-001 | 19020-XAR-001-Surface | Surface | Surface | Surface | Ceramic | Redware | Lead Glazed | Ceramic Sherd | Hollowware, Base | 50+ mm | 1 | 1800-1840 | |
| 19020-XAR-001 | 19020-XAR-001-Surface | Surface | Surface | Surface | Ceramic | Stoneware | No Decoration | Ceramic Sherd | Hollowware, Body | 25-50 mm | 1 | 18th Century + | |
| 19020-XAR-001 | 19020-XAR-001-Surface | Surface | Surface | Surface | Ceramic | Stoneware | Rhenish, Blue and Gray | Ceramic Sherd | Hollowware, Body | 50+ mm | 1 | 18th Century + | |
| 19020-XAR-001 | 19020-XAR-001-Surface | Surface | Surface | Surface | Ceramic | Stoneware | Brown Salt Glaze | Ceramic Sherd | Hollowware, Body | 25-50 mm | 1 | 18th Century + | |
| 19020-XAR-001 | 19020-XAR-001-Surface | Surface | Surface | Surface | Ceramic | Stoneware | Rhenish, Blue and Gray | Ceramic Sherd | Hollowware, Body | 50+ mm | 1 | 18th Century + | |
| 19020-XAR-001 | 19020-XAR-001-Surface | Surface | Surface | Surface | Glass | Vessel | Colorless | Glass Fragment | Body | 25-50 mm | 1 | Nondiagnostic | |
| 19020-XAR-001 | 19020-XAR-001-Surface | Surface | Surface | Surface | Glass | Vessel | Aquamarine | Glass Fragment | Base | 50+ mm | 1 | 19th Century + | |
| 19020-XAR-001 | 19020-XAR-001-Surface | Surface | Surface | Surface | Glass | Vessel | Aquamarine | Glass Fragment | Body | 25-50 mm | 2 | 19th Century + | |
| 19020-XAR-001 | 19020-XAR-001-Surface | Surface | Surface | Surface | Glass | Vessel | Olive | Glass Fragment | Body | 25-50 mm | 1 | 19th Century + | |
| 19020-XAR-001 | 19020-XAR-001-Surface | Surface | Surface | Surface | Glass | Vessel | Opaque White | Glass Fragment | Body | 25-50 mm | 1 | 19th Century + | |
| 19020-XAR-001 | 19020-XAR-001-Surface | Surface | Surface | Surface | Ceramic | Yellow Ware | No Decoration | Ceramic Sherd | Hollowware, Rim | 25-50 mm | 1 | 1840-1900 | |
| 19020-XAR-001 | 19020-XAR-001-Surface | Surface | Surface | Surface | Ceramic | Whiteware | Transfer Printed | Ceramic Sherd | Hollowware, Rim | 25-50 mm | 1 | 1820 + | Blue transfer printed whiteware |
| 19020-XAR-001 | 19020-XAR-001-Surface | Surface | Surface | Surface | Ceramic | Whiteware | Transfer Printed | Ceramic Sherd | Hollowware, Rim | 10-25 mm | 1 | 1820 + | Blue transfer printed whiteware |
| 19020-XAR-001 | 19020-XAR-001-Surface | Surface | Surface | Surface | Ceramic | Whiteware | Transfer Printed | Ceramic Sherd | Hollowware, Body | 10-25 mm | 1 | 1820 + | Blue transfer printed whiteware |
| 19020-XAR-001 | 19020-XAR-001-Surface | Surface | Surface | Surface | Ceramic | Whiteware | Transfer Printed | Ceramic Sherd | Hollowware, Body | 10-25 mm | 1 | 1820 + | Blue transfer printed whiteware |

| Site | Provenience | Stratum | Minimum Stratum Depth (cmbs) | Maximum Stratum Depth (cmbs) | Material | Material Type | Material Description | Object | Object Type | Size | Count | Time Period | Notes |
|------------------|------------------------|---------|------------------------------|------------------------------|----------|-----------------|--------------------------|---------------------|------------------|----------|-------|------------------------------|--|
| 19020-XAR-001 | 19020-XAR-001-Surface | Surface | Surface | Surface | Glass | Vessel | Opaque White | Glass Fragment | Body | 25-50 mm | 1 | 19th Century + | Boyd milkglass jar lid |
| 19020-XAR-001 | 19020-XAR-001-Surface | Surface | Surface | Surface | Glass | Vessel | Aquamarine | Vessel | Inkwell | 50+ mm | 1 | 1865-1930 | Domed ink bottle with offset neck- "igloo style" |
| 19020-XAR-001 | 19020-XAR-001-Surface | Surface | Surface | Surface | Glass | Vessel | Colorless | Glass Fragment | Body | 50+ mm | 1 | 19th Century + | Embossed bottle glass fragment |
| 19020-XAR-001 | 19020-XAR-001-Surface | Surface | Surface | Surface | Glass | Vessel | Colorless | Glass Fragment | Body | 10-25 mm | 1 | 19th Century + | Embossed glass bottle fragment |
| 19020-XAR-001 | 19020-XAR-001-Surface | Surface | Surface | Surface | Ceramic | Porcelain | Bisque | Ceramic Sherd | Doll face | 10-25 mm | 1 | 1860-1930 | Fragment of bisque-porcelain "parian" doll face |
| 19020-XAR-001 | 19020-XAR-001-Surface | Surface | Surface | Surface | Ceramic | Whiteware | Hand Painted, Polychrome | Ceramic Sherd | Hollowware, Rim | 10-25 mm | 1 | 1820 + | Handpainted polychrome whiteware fragment with green and maroon decoration |
| 19020-XAR-001 | 19020-XAR-001-Surface | Surface | Surface | Surface | Ceramic | Ironstone | No Decoration | Ceramic Sherd | Hollowware, Rim | 50+ mm | 1 | 1891-1948 | Molded ironstone jug fragment |
| 19020-XAR-001 | 19020-XAR-001-Surface | Surface | Surface | Surface | Glass | Vessel | Colorless | Glass Fragment | Lip / Neck | 25-50 mm | 1 | 19th Century + | Tooled finish |
| 19020-XAR-001 | 19020-XAR-001-Surface | Surface | Surface | Surface | Ceramic | White Ball Clay | | Pipe | Bowl Fragment | 10-25 mm | 1 | 18th Century to 19th Century | Undecorated white ball clay pipe fragment; unsmoked |
| 19020-XDB1.W01 | 19020-XDB1.W01-Surface | Surface | Surface | Surface | Ceramic | Ironstone | No Decoration | Ceramic Sherd | Hollowware, Body | 25-50 mm | 1 | 1891-1948 | Molded ironstone pitcher body fragment |
| 19020-XEB-AR5.41 | 19020-XEB-AR5.41-I | I | 0 | 34 | Glass | Flat | Colorless | Flat Glass Fragment | | 0-10 mm | 1 | Nondiagnostic | |
| 19020-XEB-AR5.41 | 19020-XEB-AR5.41-I | I | 0 | 34 | Ceramic | Redware | Lead Glazed | Ceramic Sherd | Hollowware, Rim | 0-10 mm | 1 | 1800-1840 | |

| Site | Provenience | Stratum | Minimum Stratum Depth (cmbs) | Maximum Stratum Depth (cmbs) | Material | Material Type | Material Description | Object | Object Type | Size | Count | Time Period | Notes |
|---------------------|-----------------------|---------|------------------------------|------------------------------|----------|---------------|-----------------------|---------------------|------------------|----------|-------|----------------|--|
| 19020-XEB-AR5.41 | 19020-XEB-AR5.41-I | I | 0 | 34 | Metal | Steel | | Nail | Wire | 0-10 mm | 1 | 20th Century + | |
| 19020-XEB-AR5.41 | 19020-XEB-AR5.41-I | I | 0 | 34 | Ceramic | Whiteware | Transfer Printed | Ceramic Sherd | Flatware, Rim | 10-25 mm | 1 | 1820 + | Black transfer print whiteware rim sherd |
| 19020-XHA1.22 | 19020-XHA1.22-I | I | 0 | 20 | Glass | Flat | Colorless | Flat Glass Fragment | | 10-25 mm | 1 | Nondiagnostic | |
| 19020-XHA1.22 | 19020-XHA1.22-I | I | 0 | 20 | Brick | Red | | Brick | | 50+ mm | 1 | Nondiagnostic | |
| 19020-XHA1.22 | 19020-XHA1.22-I | I | 0 | 20 | Brick | Red | | Brick | | 0-10 mm | 4 | Nondiagnostic | |
| 19020-XHA1.22 | 19020-XHA1.22-I | I | 0 | 20 | Brick | Red | | Brick | | 10-25 mm | 1 | Nondiagnostic | |
| 19020-XHA1.22 | 19020-XHA1.22-I | I | 0 | 20 | Ceramic | Whiteware | No Decoration | Ceramic Sherd | Hollowware, Base | 25-50 mm | 1 | 1820 + | |
| 19020-XHA1.22 | 19020-XHA1.22-I | I | 0 | 20 | Ceramic | Whiteware | No Decoration | Ceramic Sherd | Hollowware, Base | 25-50 mm | 1 | 1820 + | |
| 19020-XHA1.22 | 19020-XHA1.22-I | I | 0 | 20 | Ceramic | Whiteware | No Decoration | Ceramic Sherd | Hollowware, Rim | 10-25 mm | 1 | 1820 + | |
| 19020-XHA1.22R10.5E | 19020-XHA1.22R10.5E-I | I | 0 | 17 | Glass | Flat | Colorless | Flat Glass Fragment | | 10-25 mm | 2 | Nondiagnostic | |
| 19020-XHA1.22R10.5E | 19020-XHA1.22R10.5E-I | I | 0 | 17 | Glass | Lighting | Lamp Glass, Colorless | Glass Fragment | Body | 25-50 mm | 1 | Nondiagnostic | |
| 19020-XHA1.22R10.5E | 19020-XHA1.22R10.5E-I | I | 0 | 17 | Ceramic | Porcelain | Unidentified | Ceramic Sherd | Hollowware, Base | 10-25 mm | 1 | Nondiagnostic | |
| 19020-XHA1.22R10.5E | 19020-XHA1.22R10.5E-I | I | 0 | 17 | Ceramic | Whiteware | No Decoration | Ceramic Sherd | Hollowware, Rim | 50+ mm | 1 | 1820 + | |

| Site | Provenience | Stratum | Minimum Stratum Depth (cmbs) | Maximum Stratum Depth (cmbs) | Material | Material Type | Material Description | Object | Object Type | Size | Count | Time Period | Notes |
|---------------------|-----------------------|---------|------------------------------|------------------------------|----------|---------------|----------------------|---------------------|------------------|----------|-------|----------------|--------------------------------|
| 19020-XHA1.22R10.5E | 19020-XHA1.22R10.5E-I | I | 0 | 17 | Ceramic | Whiteware | No Decoration | Ceramic Sherd | Hollowware, Body | 25-50 mm | 1 | 1820 + | |
| 19020-XHA1.22R15S | 19020-XHA1.22R15S-I | I | 0 | 18 | Ceramic | Stoneware | White Salt Glaze | Ceramic Sherd | Hollowware, Base | 50+ mm | 1 | 18th Century + | |
| 19020-XHA1.22R3E | 19020-XHA1.22R3E-I | I | 0 | 15 | Glass | Flat | Colorless | Flat Glass Fragment | | 10-25 mm | 6 | Nondiagnostic | |
| 19020-XHA1.22R3E | 19020-XHA1.22R3E-I | I | 0 | 15 | Brick | Red | | Brick | | 25-50 mm | 1 | Nondiagnostic | |
| 19020-XHA1.22R3E | 19020-XHA1.22R3E-I | I | 0 | 15 | Glass | Vessel | Colorless | Glass Fragment | Body | 10-25 mm | 1 | Nondiagnostic | |
| 19020-XHA1.22R3E | 19020-XHA1.22R3E-I | I | 0 | 15 | Ceramic | Whiteware | No Decoration | Ceramic Sherd | Hollowware, Body | 50+ mm | 3 | 1820 + | |
| 19020-XHA1.22R3E | 19020-XHA1.22R3E-I | I | 0 | 15 | Ceramic | Whiteware | No Decoration | Ceramic Sherd | Hollowware, Body | 25-50 mm | 5 | 1820 + | |
| 19020-XHA1.22R3E | 19020-XHA1.22R3E-I | I | 0 | 15 | Ceramic | Whiteware | No Decoration | Ceramic Sherd | Hollowware, Rim | 25-50 mm | 2 | 1820 + | Molded edge whiteware fragment |
| 19020-XHA1.22R3E | 19020-XHA1.22R3E-I | I | 0 | 15 | Metal | Iron | | Nail | Machine Cut | 10-25 mm | 1 | 1805 + | Oxidized nail fragment |
| 19020-XHA1.22R3W | 19020-XHA1.22R3W-I | I | 0 | 30 | Glass | Flat | Colorless | Flat Glass Fragment | | 10-25 mm | 4 | Nondiagnostic | |

| Site | Provenience | Stratum | Minimum Stratum Depth (cmbs) | Maximum Stratum Depth (cmbs) | Material | Material Type | Material Description | Object | Object Type | Size | Count | Time Period | Notes |
|------------------|--------------------|---------|------------------------------|------------------------------|----------|---------------|----------------------|---------------------|---------------------------|----------|-------|---------------|--|
| 19020-XHA1.22R3W | 19020-XHA1.22R3W-I | I | 0 | 30 | Brick | Red | | Brick | | 10-25 mm | 1 | Nondiagnostic | |
| 19020-XHA1.22R3W | 19020-XHA1.22R3W-I | I | 0 | 30 | Glass | Vessel | Colorless | Glass Fragment | Body | 10-25 mm | 2 | Nondiagnostic | |
| 19020-XHA1.22R3W | 19020-XHA1.22R3W-I | I | 0 | 30 | Ceramic | Whiteware | No Decoration | Ceramic Sherd | Hollowware, Body | 0-10 mm | 1 | 1820 + | |
| 19020-XHA1.22R3W | 19020-XHA1.22R3W-I | I | 0 | 30 | Ceramic | Whiteware | Shell Edge, Blue | Ceramic Sherd | Hollowware, Rim | 0-10 mm | 1 | 1820 + | |
| 19020-XHA1.22R3W | 19020-XHA1.22R3W-I | I | 0 | 30 | Metal | Iron | | Nail | | 10-25 mm | 4 | Nondiagnostic | Four heavily oxidized nail fragments in poor condition |
| 19020-XHA1.25 | 19020-XHA1.25-I | I | 0 | 21 | Glass | Flat | Colorless | Flat Glass Fragment | | 10-25 mm | 1 | Nondiagnostic | |
| 19020-XHA1.25 | 19020-XHA1.25-I | I | 0 | 21 | Brick | Red | | Brick | | 0-10 mm | 3 | Nondiagnostic | |
| 19020-XHA1.25 | 19020-XHA1.25-I | I | 0 | 21 | Brick | Red | | Brick | | 10-25 mm | 3 | Nondiagnostic | |
| 19020-XHA1.25 | 19020-XHA1.25-II | II | 21 | 31 | Brick | Red | | Brick | | 0-10 mm | 2 | Nondiagnostic | |
| 19020-XHA1.25 | 19020-XHA1.25-II | II | 21 | 31 | Brick | Red | | Brick | | 10-25 mm | 2 | Nondiagnostic | |
| 19020-XHA1.25 | 19020-XHA1.25-II | II | 21 | 31 | Metal | Iron | | Nail | Machine Cut, Wrought Head | 25-50 mm | 1 | 1805 + | Heavily oxidized nail fragment |
| 19020-XHA1.25R1S | 19020-XHA1.25R1S-I | I | 0 | 18 | Glass | Flat | Colorless | Flat Glass Fragment | | 10-25 mm | 1 | Nondiagnostic | |

South Ripley Solar Project, Town of Ripley, Chautauqua County, New York
EDR Project #19020

Appendix D: Artifact Inventory
Supplemental Phase IB Archaeology Survey

| Site | Provenience | Stratum | Minimum Stratum Depth (cmbs) | Maximum Stratum Depth (cmbs) | Material | Material Type | Material Description | Object | Object Type | Size | Count | Time Period | Notes |
|-------------------|---------------------|---------|------------------------------|------------------------------|----------|---------------|----------------------|---------------------|------------------|----------|-------|----------------|-------|
| 19020-XHA1.25R1S | 19020-XHA1.25R1S-I | I | 0 | 18 | Glass | Vessel | Aquamarine | Glass Fragment | Body | 25-50 mm | 1 | Nondiagnostic | |
| 19020-XHA1.27 | 19020-XHA1.27-I | I | 0 | 40 | Glass | Flat | Colorless | Flat Glass Fragment | | 0-10 mm | 1 | Nondiagnostic | |
| 19020-XLYA6.04 | 19020-XLYA6.04-I | I | 0 | 29 | Glass | Flat | Colorless | Flat Glass Fragment | | 10-25 mm | 2 | Nondiagnostic | |
| 19020-XLYA6.04 | 19020-XLYA6.04-I | I | 0 | 29 | Ceramic | Rockingham | Mottled Brown Glaze | Ceramic Sherd | Hollowware, Body | 50+ mm | 1 | 1850-1950 | |
| 19020-XLYA6.04 | 19020-XLYA6.04-I | I | 0 | 29 | Ceramic | Whiteware | No Decoration | Ceramic Sherd | Hollowware, Body | 10-25 mm | 1 | 1820 + | |
| 19020-XLYA6.04R3E | 19020-XLYA6.04R3E-I | I | 0 | 35 | Metal | Iron | | Nail | | 25-50 mm | 1 | Nondiagnostic | |
| 19020-XLYA6.04R3E | 19020-XLYA6.04R3E-I | I | 0 | 35 | Metal | Iron | | Nail | | 10-25 mm | 1 | Nondiagnostic | |
| 19020-XLYA6.04R3E | 19020-XLYA6.04R3E-I | I | 0 | 35 | Ceramic | Rockingham | Mottled Brown Glaze | Ceramic Sherd | Hollowware, Body | 25-50 mm | 1 | 1850-1950 | |
| 19020-XLYA6.04R3E | 19020-XLYA6.04R3E-I | I | 0 | 35 | Metal | Steel | | Nail | Wire | 25-50 mm | 1 | 20th Century + | |
| 19020-XLYA6.04R3E | 19020-XLYA6.04R3E-I | I | 0 | 35 | Glass | Vessel | Colorless | Glass Fragment | Body | 10-25 mm | 3 | Nondiagnostic | |
| 19020-XLYA6.04R3E | 19020-XLYA6.04R3E-I | I | 0 | 35 | Ceramic | Whiteware | No Decoration | Ceramic Sherd | Hollowware, Rim | 10-25 mm | 1 | 1820 + | |

| Site | Provenience | Stratum | Minimum Stratum Depth (cmbs) | Maximum Stratum Depth (cmbs) | Material | Material Type | Material Description | Object | Object Type | Size | Count | Time Period | Notes |
|---------------------|-----------------------|---------|------------------------------|------------------------------|----------|---------------|----------------------|---------------------|------------------|----------|-------|----------------------|----------------------------------|
| 19020-XLYA6.04R3E | 19020-XLYA6.04R3E-I | I | 0 | 35 | Ceramic | Whiteware | No Decoration | Ceramic Sherd | Hollowware, Body | 10-25 mm | 2 | 1820 + | |
| 19020-XLYA6.04R3E | 19020-XLYA6.04R3E-I | I | 0 | 35 | Glass | Vessel | Aquamarine | Glass Fragment | Lip | 25-50 mm | 1 | 20th Century + | Ball jar rim |
| 19020-XLYA6.04R7.5E | 19020-XLYA6.04R7.5E-I | I | 0 | 27 | Glass | Flat | Colorless | Flat Glass Fragment | | 10-25 mm | 1 | Nondiagnostic | |
| 19020-XLYA6.04R7.5E | 19020-XLYA6.04R7.5E-I | I | 0 | 27 | Ceramic | Stoneware | Stoneware Crock | Ceramic Sherd | Hollowware, Body | 10-25 mm | 1 | 1780 + | |
| 19020-XLYA6.04R7.5E | 19020-XLYA6.04R7.5E-I | I | 0 | 27 | Glass | Vessel | Colorless | Glass Fragment | Body | 10-25 mm | 1 | Nondiagnostic | |
| 19020-XLYA6.04R7.5E | 19020-XLYA6.04R7.5E-I | I | 0 | 27 | Glass | Vessel | Colorless | Glass Fragment | Body | 25-50 mm | 1 | Nondiagnostic | |
| 19020-XLYA6.04R7.5E | 19020-XLYA6.04R7.5E-I | I | 0 | 27 | Glass | Vessel | Aquamarine | Glass Fragment | Lip | 25-50 mm | 1 | 20th Century + | |
| 19020-XLYA6.04R7.5E | 19020-XLYA6.04R7.5E-I | I | 0 | 27 | Ceramic | Whiteware | No Decoration | Ceramic Sherd | Flatware, Body | 25-50 mm | 1 | 1820 + | |
| 19020-XLYA6.04R7.5E | 19020-XLYA6.04R7.5E-I | I | 0 | 27 | Ceramic | Whiteware | No Decoration | Ceramic Sherd | Flatware, Body | 10-25 mm | 2 | 1820 + | |
| 19020-XWB-AR6.10 | 19020-XWB-AR6.10-I | I | 0 | 20 | Lithic | Chert | Gray | Debitage | Secondary Flake | 10-25 mm | 1 | Nondiagnostic Lithic | Secondary flake with some cortex |

| Site | Provenience | Stratum | Minimum Stratum Depth (cmbs) | Maximum Stratum Depth (cmbs) | Material | Material Type | Material Description | Object | Object Type | Size | Count | Time Period | Notes |
|-----------------------|-------------------------|---------|------------------------------|------------------------------|----------|---------------|----------------------|----------|--------------------------|----------|-------|----------------------|----------------------------------|
| 19020-XWB-AR6.10R1S | 19020-XWB-AR6.10R1S-I | I | 0 | 31 | Lithic | Chert | Gray | Debitage | Secondary Flake | 10-25 mm | 1 | Nondiagnostic Lithic | |
| 19020-XWB-AR6.10R1W | 19020-XWB-AR6.10R1W-I | I | 0 | 22 | Lithic | Chert | Gray | Debitage | Secondary Flake | 10-25 mm | 2 | Nondiagnostic Lithic | |
| 19020-XWB-AR6.10R3N | 19020-XWB-AR6.10R3N-I | I | 0 | 23 | Lithic | Chert | Gray | Debitage | Secondary Flake | 10-25 mm | 1 | Nondiagnostic Lithic | |
| 19020-XWB-AR6.10R3N | 19020-XWB-AR6.10R3N-I | I | 0 | 23 | Lithic | Chert | Gray | Debitage | Secondary Flake | 10-25 mm | 1 | Nondiagnostic Lithic | Secondary flake with some cortex |
| 19020-XWB-AR6.10R7.5N | 19020-XWB-AR6.10R7.5N-I | I | 0 | 50 | Lithic | Chert | Gray | Debitage | Secondary Flake | 10-25 mm | 3 | Nondiagnostic Lithic | |
| 19020-XWB-AR6.10R7.5N | 19020-XWB-AR6.10R7.5N-I | I | 0 | 50 | Lithic | Chert | Gray | Debitage | Tertiary Flake | 10-25 mm | 2 | Nondiagnostic Lithic | |
| 19020-XWB-AR6.10R7.5N | 19020-XWB-AR6.10R7.5N-I | I | 0 | 50 | Lithic | Chert | Gray | Debitage | Angular Debris / Shatter | 0-10 mm | 1 | Nondiagnostic Lithic | |
| 19020-XWB-AR6.10R7.5S | 19020-XWB-AR6.10R7.5S-I | I | 0 | 20 | Lithic | Chert | Gray | Debitage | Tertiary Flake | 10-25 mm | 1 | Nondiagnostic Lithic | |