



July 11, 2017

Mr. Roger Kirchen, Director
Review and Compliance Division
Virginia Department of Historic Resources
2801 Kensington Ave.
Richmond, VA 23221

Subject: Section 106 Review –Initial Assessment of Potential Effects for Architectural Resources Atlantic Coast Pipeline, LLC, Atlantic Coast Pipeline Project DHR File No. 2014-0710

Dear Mr. Kirchen:

Atlantic Coast Pipeline, LLC (Atlantic) is submitting the revised Appendix B based on feedback received during the June 29, 2017 meeting. The enclosed Appendix B is a hard copy of what you received via email transmission on July 7, 2017. Also per your email request, please find a copy of the revised report on the enclosed CDs. The Federal Energy Regulatory Commission (FERC) is the lead Federal agency for this Project. Atlantic's consultants, Dovetail Cultural Resource Group and Environmental Resources Management, conducted the survey and prepared the enclosed report pursuant to the requirements of Section 106 of the National Historic Preservation Act of 1966, as amended.

Atlantic would appreciate your comments, on the architecture survey report, and we look forward to continuing to work with you on this Project. If you have any questions regarding the enclosed report, please contact Richard B. Gangle at (804) 273-2814 or Richard.B.Gangle@dominionenergy.com, or by letter at:

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Respectfully submitted,

A handwritten signature in blue ink that reads "Robert M. Bisha".

Robert M. Bisha
Technical Advisor, Atlantic Coast Pipeline

cc: Richard Gangle (Dominion Energy)

Enclosure: **Initial Assessment of Potential Effects for Architectural Resources revised Appendix B, CD**



**INITIAL ASSESSMENT OF POTENTIAL EFFECTS FOR ARCHITECTURAL RESOURCES
ATLANTIC COAST PIPELINE PROJECT**

Resources Not Affected Due to Topography and Screening



Prepared by



June 2017

**INITIAL ASSESSMENT OF POTENTIAL EFFECTS FOR ARCHITECTURAL RESOURCES
ATLANTIC COAST PIPELINE PROJECT**

Resources Not Affected Due to Topography and Screening

DHR File No. 2014-0710

Prepared for

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June 2017

ABSTRACT

This report presents the results of the initial assessment of potential effects on identified resources during Phase I historic architectural surveys conducted in association with the Atlantic Coast Pipeline (ACP) project (Project). Dominion Energy Transmission, Inc. will build and operate approximately 600 miles of natural gas transmission pipeline and associated laterals on behalf of Atlantic Coast Pipeline, LLC (Atlantic), which is a company consisting of subsidiaries of Dominion Energy Inc., Duke Energy, Piedmont Natural Gas, and Southern Company Gas. The pipeline system extends from West Virginia to southern North Carolina, and the Project will also include access roads, meter stations, compressor stations, and other above-ground facilities. In Virginia, the pipeline right-of-way is 307.0 miles long, and passes through the counties of Highland, Bath, Augusta, Nelson, Buckingham, Cumberland, Prince Edward, Nottoway, Dinwiddie, Brunswick, and Southampton and the cities of Suffolk and Chesapeake. It includes the 234.5 mile-long trunk line (AP-1), and three laterals (AP-3, AP-4, and AP-5) that total 72.5 miles.

This report provides a summary of previously recorded and surveyed structures that are listed in the National Register of Historic Places (NRHP), considered potentially eligible for listing in the NRHP, and unevaluated properties within 0.5-miles of the Project for which it has been determined that the Project will have no effect due to intervening vegetation, topography, or modern infrastructure.

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INTRODUCTION

This report presents the results of the initial assessment of potential effects for architectural resources identified during Phase I historic architectural surveys conducted in association with the Atlantic Coast Pipeline (ACP) project (Project). Dominion Energy Transmission, Inc. (Dominion Energy) will build and operate approximately 600 miles of natural gas transmission pipeline and associated laterals on behalf of Atlantic Coast Pipeline, LLC (Atlantic), which is a company consisting of subsidiaries of Dominion Energy Inc., Duke Energy, Piedmont Natural Gas, and Southern Company Gas. The pipeline system extends from West Virginia to southern North Carolina (Figure 1), and the Project will also include access roads, meter stations, compressor stations, and other above-ground facilities. In Virginia, the pipeline right-of-way is 307.0 miles long, and passes through the counties of Highland, Bath, Augusta, Nelson, Buckingham, Cumberland, Prince Edward, Nottoway, Dinwiddie, Brunswick, and Southampton, and the cities of Suffolk and Chesapeake. It includes the 234.5 mile-long trunk line (AP-1), and three laterals (AP-3, AP-4, and AP-5) that total 72.5 miles.

The Federal Energy Regulatory Commission (FERC) is the lead federal agency, and work was conducted pursuant to the requirements of Section 106 of the National Historic Preservation Act of 1966, as amended (54 U.S.C. § 306108). Section 106 requires federal agencies to take into account the effects of their undertakings (including the issuance of Certificates) on properties listed in or eligible for listing in the National Register of Historic Places (NRHP). Dominion Energy Transmission, Inc., as a non-federal party, is assisting FERC in meeting its obligations under Section 106 by preparing the necessary information, analyses, and recommendations as authorized by 36 C.F.R. § 800.2(a)(3). ERM has conducted Phase I cultural resource investigations to gather information on historic properties that could be affected by the Project in support of the Section 106 consultation process.

An APE is defined as “the geographic area or areas within which an undertaking may directly or indirectly cause changes in the character or use of historic properties, if any such properties exist” (36 CFR Part 800.16[d]). In the case of the current Project, the APE includes possible areas of direct construction effects within a 300-foot corridor encompassing the centerline of the proposed pipeline, as well as within the footprint of the associated pipeline facilities, and it also includes areas of potential visual effects on identified historic structures from changes to the setting from construction of new facilities, clearing of vegetation, and/or other modifications to the landscape. Thus, the APE extends into areas surrounding the Project containing historic resources within line-of-sight of changes that will derive from the proposed undertaking.

Potential visual effects from the Project were deemed not to exceed a maximum distance of 0.5 miles of any proposed facility. Thus, within a half-mile buffer of the Project, line-of-sight was used to define the APE and identify historic resources for survey; those resources are discussed in the various reports prepared for this Project to date (Anderson and Staton 2015; Lesiuk et al. 2016; Staton 2016; Tucker-Laird et al. 2017a, 2017b, 2017c; Voisin George et al. 2016). The current report identifies those structures within 0.5 miles of the Project that were determined through field surveys and computer modeling (as documented in the supporting materials) to not be affected by the Project. ERM identified 191 previously recorded resources within 0.5 miles of the Project that are eligible, listed, or unevaluated for NRHP eligibility, and which will not be affected by the Project due to intervening topography, vegetation, or infrastructure. Of these, nine resources are listed, 23 resources are recommended eligible, and 159 resources are unevaluated.

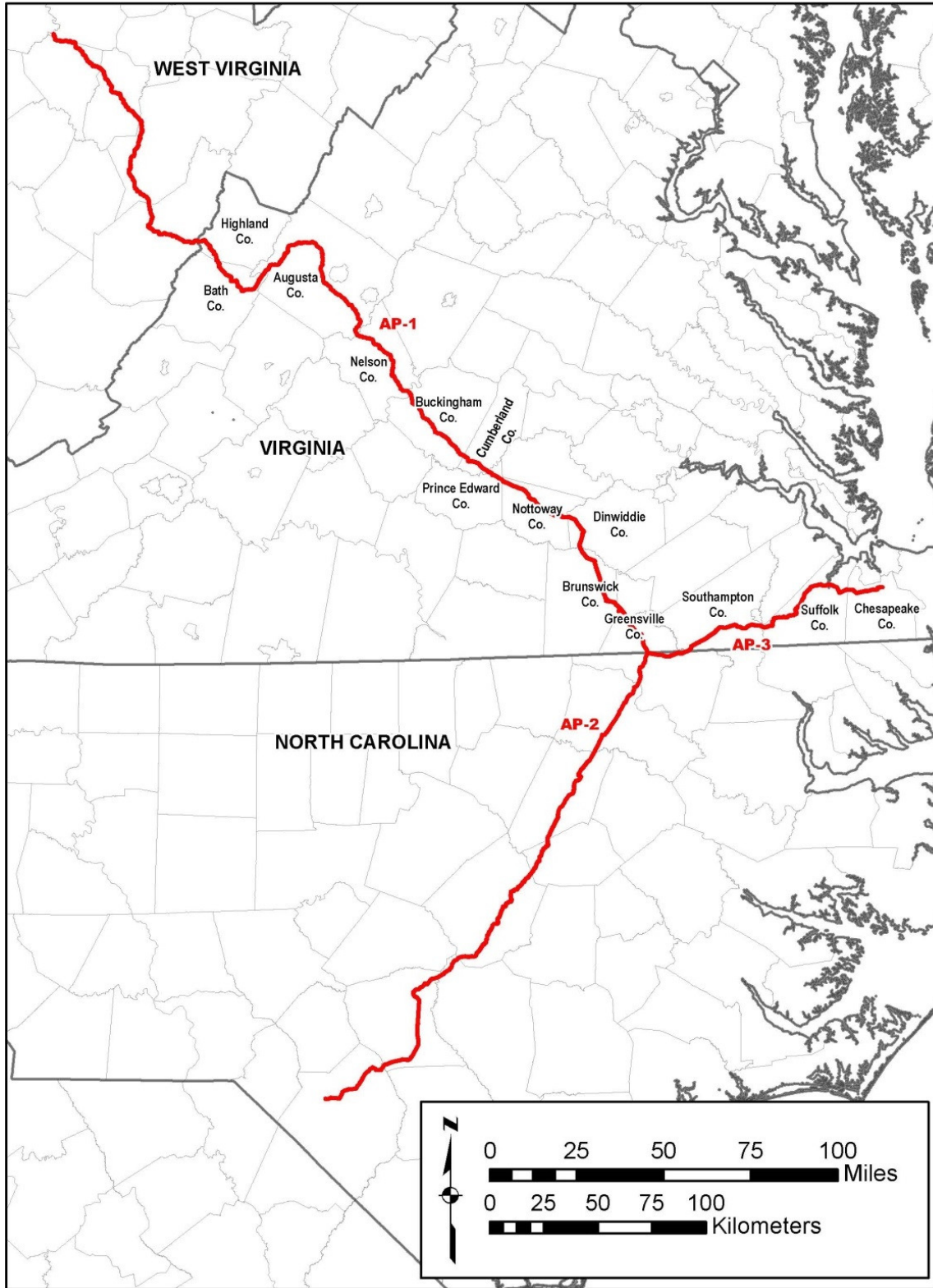


Figure 1. General overview of the Project corridor.

METHODS

BACKGROUND AND FIELD RESEARCH

Before field investigations for historic resources were initiated, a file search was conducted for previously identified resources, along with information on properties listed in or nominated for the NRHP, within a 0.5-mile buffer of the proposed Project corridor. In response to changes in the proposed route, and to recognize recently identified resources since the start of the Project, another file search was conducted prior to the current field effort. ERM collected information on resources maintained by the Virginia Department of Historic Resources (VDHR) in the Virginia Cultural Resource Information System (V-CRIS). The purpose of the search was to identify resources that might be located within the APE, and to anticipate the types of resources likely to be encountered in the region. As the proposed alignment changed over the course of the survey work for the Project, the file search was updated at various times. File search results can be found in the various reports prepared for the historic architectural survey work on the Project, including that conducted by Dovetail Cultural Resource Group (Anderson and Staton 2015; Lesiuk et al. 2016; Staton 2016), and that conducted by ERM (Tucker-Laird et al. 2017a, 2017b, 2017c; Voisin George et al. 2016). The results of an updated file search for the entire length of the current Project in Virginia are presented in the Addendum Report 3 (Voisin George et al. 2016), and these results remain valid for the Project as it currently stands. Field studies augmented the file search by confirming the presence of previously recorded resources where Project effect was expected.

POTENTIAL EFFECTS ANALYSIS METHODS

This phased assessment of effects is based on the meeting held between the VDHR, Dominion Energy, and ERM on April 4, 2017. As discussed, the phased approach involves a process by which properties are excluded from further consideration based on several different screening factors (route changes, topography, vegetation, etc.). This report identifies those structures that were determined through field surveys and computer modeling (as documented in the supporting materials) to not be affected by the Project. Those resources not excluded through this process, and which are considered eligible for the NRHP, will be the subject of future reporting to assess Project effects.

For all identified architectural resources within a 0.5-mile radius of the Project, ERM assessed the potential for Project effects through desktop review, field studies, and computer modeling to determine whether or not resources would experience visual effects based on the nature of topography, vegetation, and modern infrastructure between a given resource and proposed Project facilities. Desktop review assessments consisted of a detailed review of topographic maps and aerials, along with utilizing Google Earth imaging software with 3-D terrain modeling (Appendix A). When using this software, a pin was placed at the location of each listed, eligible, and unevaluated resource to verify cases where the desktop review suggested that there would be no view to the Project. Using the altitude feature, which was set to the lowest possible elevation (2 meters, relative to ground), a viewshed analysis was then run. Although the Project will be below ground, analysis was performed as if it was 2 meters above ground in an effort to supply adequate data. The 3-D terrain modeling only captures topography and not vegetation, but because the resulting imagery retains the coloring from the original aerial photographs, the viewer can visualize areas where tree cover might obstruct the view to the Project. The purpose of this assessment was to rule out the resources that did not have a line-of-sight to the Project. For resources where line-of-sight could not be determined, field studies were conducted.

RESULTS

ERM investigated a total of 980 previously and newly recorded resources within 0.5 miles of the Project (Appendix B). Of these resources, 167 will not be affected by the Project due to route changes. A further 23 resources are no longer extant. Topography (74 resources) and vegetation (307 resources) account for the remainder of resources that will not be affected by the Project. The total number of resources that would be affected by the Project is 409. ERM will prepare a supplemental report that summarizes findings from previous survey work and provides assessment of effects discussions for all resources in the APE for the final Project alignment that are eligible for the NRHP.

RESOURCES IN LOCATIONS WITH NO POTENTIAL FOR PROJECT EFFECTS

Background research carried out by ERM identified 191 previously recorded resources within a 0.5-mile radius of the Project that are eligible, listed, or unevaluated for NRHP eligibility and that will not be affected by the Project due to intervening topography, vegetation, or modern infrastructure. Of these resources, nine are listed in the NRHP, 23 are recommended eligible for listing in the NRHP, and 159 resources have not been evaluated (Table 1; Appendix A Figures 1–764). For the unevaluated resources, no further eligibility recommendations have been provided by ERM since those resources were not subject to further study once it was determined that they would not be affected by the Project.

There are a number of factors, discussed in the sections that follow, that account for a finding of no potential effects.

Table 1			
Eligible and Unevaluated Resources within 0.5 Miles of Project with No Effect			
Resource #	Eligibility	Comments	Appendix A Figure #
007-0012	NRHP, VLR Listed	Intervening topography	1–4
007-0097	Unevaluated	Intervening topography	5–8
007-0100	Eligible	Vegetative Screening	9–12
007-0102	Unevaluated	Unforested-no major vegetation change	13–16
007-0134	Eligible	Unforested-no major vegetation change	17–20
007-0233	NRHP, VLR Listed	Unforested-no major vegetation change	21–24
007-0434	Unevaluated	Unforested-no major vegetation change	25–28
007-0435	Unevaluated	Unforested-no major vegetation change	29–32
007-0449	Unevaluated	Vegetative Screening	33–36
007-0450	Unevaluated	Vegetative Screening	37–40
007-0454	Unevaluated	Vegetative Screening	41–44
007-0456	Unevaluated	Vegetative Screening	45–48
007-0460	Unevaluated	Unforested-no major vegetation change	49–52
007-0472	Unevaluated	Vegetative Screening	53–56
007-0473	Unevaluated	Vegetative Screening	57–60
007-0474	Unevaluated	Intervening topography	61–64
007-0475	Unevaluated	Vegetative Screening	65–68

Table 1			
Eligible and Unevaluated Resources within 0.5 Miles of Project with No Effect			
Resource #	Eligibility	Comments	Appendix A Figure #
007-0478	Unevaluated	Vegetative Screening	69–72
007-0482	Unevaluated	Intervening Buildings	73–76
007-0488	Unevaluated	Intervening Buildings	77–80
007-0489	Unevaluated	Intervening Buildings	81–84
007-0793	Unevaluated	Unforested-no major vegetation change	85–88
007-0794	Unevaluated	Vegetative Screening	89–92
007-0798	Unevaluated	Vegetative Screening	93–96
007-0804	Unevaluated	Vegetative Screening	97–100
007-0870	Unevaluated	Vegetative Screening	101–104
007-0871	NRHP, VLR Listed	Vegetative Screening	105–108
007-0898	Unevaluated	Unforested-no major vegetation change	109–112
007-0900	Unevaluated	Unforested-no major vegetation change	113–116
007-0911	Unevaluated	Vegetative Screening	117–120
007-0915	Unevaluated	Intervening Buildings	121–124
007-0917	Eligible	Vegetative Screening	125–128
007-0918	Eligible	Vegetative Screening	129–132
007-0919	Eligible	Vegetative Screening	133–136
007-0923	Unevaluated	Vegetative Screening	137–140
007-1107	Unevaluated	Vegetative Screening	141–144
007-1114	Unevaluated	Unforested-no major vegetation change	145–148
007-1116	Unevaluated	Vegetative Screening	149–152
007-1154	NRHP, VLR Listed	Intervening Buildings	153–156
007-1167	Unevaluated	Intervening topography	157–160
007-1172	Unevaluated	Intervening Buildings	161–164
007-1173	Unevaluated	Unforested-no major vegetation change	165–168
007-1211	NRHP, VLR Listed	Intervening Buildings	169–172
007-1304	Eligible	Vegetative Screening	173–176
007-5054	Unevaluated	Vegetative Screening	177–180
008-5015	Unevaluated	Vegetative Screening	181–184
012-0002	Eligible	Vegetative Screening	185–188
012-0034	Eligible	Vegetative Screening	189–192
012-0037	Eligible	Vegetative Screening	193–196
012-0089	Eligible	Unforested-no major vegetation change	197–200
012-0139	Eligible	Vegetative Screening	201–204
012-5044	Eligible	Vegetative Screening	205–208
014-0006	Unevaluated	Unforested-no major vegetation change	209–212
014-0014	Unevaluated	Vegetative Screening	213–216
014-0019	NRHP, VLR Listed	Vegetative Screening	217–220

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Eligible and Unevaluated Resources within 0.5 Miles of Project with No Effect			
Resource #	Eligibility	Comments	Appendix A Figure #
014-0028	Unevaluated	Vegetative Screening	221–224
014-0042	Eligible	Vegetative Screening	225–228
014-0049	Unevaluated	Unforested-no major vegetation change	229–232
014-0050	Unevaluated	Vegetative Screening	233–236
014-0069	Unevaluated	Vegetative Screening	237–240
014-0074	Unevaluated	Vegetative Screening	241–244
014-0090	Unevaluated	Vegetative Screening	245–248
024-0170	Unevaluated	Vegetative Screening	249–252
024-0171	Unevaluated	Vegetative Screening	253–256
024-0173	Unevaluated	Vegetative Screening	257–260
024-0174	Unevaluated	Unforested-no major vegetation change	261–264
024-0179	Unevaluated	Vegetative Screening	265–268
024-0180	Unevaluated	Vegetative Screening	269–272
024-0181	Unevaluated	Vegetative Screening	273–276
024-0318	Unevaluated	Vegetative Screening	277–280
024-0384	Eligible	Vegetative Screening	281–284
024-0391	Unevaluated	Unforested-no major vegetation change	285–288
026-0037	Unevaluated	Vegetative Screening	289–292
040-5014	Unevaluated	Vegetative Screening	293–296
062-0005	NRHP, VLR Listed	Intervening topography	297–300
062-0006	Eligible	Unforested-no major vegetation change	301–304
062-0133	Unevaluated	Vegetative Screening	305–308
062-0452	Unevaluated	Vegetative Screening	309–312
062-5041	Unevaluated	Vegetative Screening	313–316
067-0018	Eligible	Vegetative Screening	317–320
067-0031	NRHP, VLR Listed	Unforested-no major vegetation change	321–324
067-0036	Eligible	Unforested-no major vegetation change	325–328
067-0089	Unevaluated	Vegetative Screening	329–332
067-0097	Unevaluated	Unforested-no major vegetation change	333–336
067-0111	Unevaluated	Vegetative Screening	337–340
067-0112	Unevaluated	Vegetative Screening	341–344
067-0113	Unevaluated	Vegetative Screening	345–348
067-0122	Unevaluated	Unforested-no major vegetation change	349–352
067-0207	Eligible	Vegetative Screening	353–356
067-0231	Eligible	Vegetative Screening	357–360
073-5088	Unevaluated	Vegetative Screening	361–364
087-0092	Eligible	Unforested-no major vegetation change	365–368
087-0105	Unevaluated	Vegetative Screening	369–372

Table 1			
Eligible and Unevaluated Resources within 0.5 Miles of Project with No Effect			
Resource #	Eligibility	Comments	Appendix A Figure #
087-5330	Unevaluated	Vegetative Screening	373–376
087-5404	Unevaluated	Vegetative Screening	377–380
131-0031	Unevaluated	Intervening Buildings	381–384
131-0456	Unevaluated	Intervening Buildings	385–388
131-0459	Unevaluated	Intervening Buildings	389–392
131-0498	Unevaluated	Intervening Buildings	393–396
131-0504	Unevaluated	Intervening Buildings	397–400
131-0524	Unevaluated	Intervening Buildings	401–404
131-0525	Unevaluated	Vegetative Screening	405–408
131-0526	Unevaluated	Vegetative Screening	409–412
131-0527	Unevaluated	Vegetative Screening	413–416
131-0528	Unevaluated	Vegetative Screening	417–420
131-0529	Unevaluated	Vegetative Screening	421–424
131-0530	Unevaluated	Vegetative Screening	425–428
131-0531	Unevaluated	Vegetative Screening	429–432
131-0532	Unevaluated	Intervening Buildings	433–436
131-0533	Unevaluated	Intervening Buildings	437–440
131-0534	Unevaluated	Vegetative Screening	441–444
131-0535	Unevaluated	Vegetative Screening	445–448
131-0540	Unevaluated	Intervening Buildings	449–452
131-0541	Unevaluated	Intervening Buildings	453–456
131-0547	Unevaluated	Vegetative Screening	457–460
131-5034	Unevaluated	Intervening Buildings	461–464
131-5035	Unevaluated	Intervening Buildings	465–468
131-5036	Unevaluated	Vegetative Screening	469–472
131-5325-0010	Unevaluated	Vegetative Screening	473–476
131-5325-0011	Unevaluated	Vegetative Screening	477–480
131-5325-0012	Unevaluated	Vegetative Screening	481–484
131-5325-0013	Unevaluated	Vegetative Screening	485–488
131-5325-0014	Unevaluated	Vegetative Screening	489–492
131-5325-0015	Unevaluated	Vegetative Screening	493–496
131-5325-0016	Unevaluated	Vegetative Screening	497–500
131-5325-0017	Unevaluated	Vegetative Screening	501–504
131-5325-0018	Unevaluated	Vegetative Screening	505–508
131-5325-0019	Unevaluated	Vegetative Screening	509–512
131-5325-0020	Unevaluated	Vegetative Screening	513–516
131-5325-0021	Unevaluated	Vegetative Screening	517–520
131-5325-0022	Unevaluated	Vegetative Screening	521–524

Table 1			
Eligible and Unevaluated Resources within 0.5 Miles of Project with No Effect			
Resource #	Eligibility	Comments	Appendix A Figure #
131-5325-0023	Unevaluated	Vegetative Screening	525–528
131-5325-0066	Unevaluated	Vegetative Screening	529–532
131-5325-0067	Unevaluated	Vegetative Screening	533–536
131-5325-0068	Unevaluated	Vegetative Screening	537–540
131-5325-0085	Unevaluated	Vegetative Screening	541–544
131-5325-0086	Unevaluated	Vegetative Screening	545–548
131-5325-0125	Unevaluated	Vegetative Screening	549–552
131-5325-0130	Unevaluated	Vegetative Screening	553–556
131-5325-0131	Unevaluated	Vegetative Screening	557–560
131-5325-0133	Unevaluated	Vegetative Screening	561–564
131-5325-0134	Unevaluated	Vegetative Screening	565–568
131-5325-0135	Unevaluated	Vegetative Screening	569–572
131-5325-0136	Unevaluated	Vegetative Screening	573–576
131-5325-0137	Unevaluated	Vegetative Screening	577–580
131-5325-0138	Unevaluated	Vegetative Screening	581–584
131-5325-0139	Unevaluated	Vegetative Screening	585–588
131-5325-0140	Unevaluated	Vegetative Screening	589–592
131-5325-0141	Unevaluated	Vegetative Screening	593–596
131-5325-0142	Unevaluated	Vegetative Screening	597–600
131-5325-0143	Unevaluated	Vegetative Screening	601–604
131-5325-0144	Unevaluated	Vegetative Screening	605–608
131-5325-0145	Unevaluated	Vegetative Screening	609–612
131-5325-0146	Unevaluated	Vegetative Screening	613–616
131-5325-0147	Unevaluated	Vegetative Screening	617–620
131-5325-0148	Unevaluated	Vegetative Screening	621–624
131-5325-0149	Unevaluated	Vegetative Screening	625–628
131-5325-0150	Unevaluated	Vegetative Screening	629–632
131-5325-0151	Unevaluated	Vegetative Screening	633–636
131-5325-0152	Unevaluated	Vegetative Screening	637–640
131-5325-0153	Unevaluated	Vegetative Screening	641–644
131-5325-0155	Unevaluated	Vegetative Screening	645–648
131-5325-0159	Unevaluated	Vegetative Screening	649–652
131-5325-0160	Unevaluated	Vegetative Screening	653–656
131-5325-0161	Unevaluated	Vegetative Screening	657–660
131-5325-0162	Unevaluated	Vegetative Screening	661–664
131-5325-0168	Unevaluated	Vegetative Screening	665–668
133-0038	Unevaluated	Vegetative Screening	669–672
133-0102	Eligible	Vegetative Screening	673–676

Table 1			
Eligible and Unevaluated Resources within 0.5 Miles of Project with No Effect			
Resource #	Eligibility	Comments	Appendix A Figure #
133-0208	Unevaluated	Vegetative Screening	677–680
133-0210	Unevaluated	Vegetative Screening	681–684
133-0217	Unevaluated	Vegetative Screening	685–688
133-0232	Unevaluated	Intervening Buildings and vegetation	689–692
133-0387	Unevaluated	Vegetative Screening	693–696
133-0388	Unevaluated	Vegetative Screening	697–700
133-0389	Unevaluated	Vegetative Screening	701–704
133-0390	Unevaluated	Vegetative Screening	705–708
133-0391	Unevaluated	Vegetative Screening	709–712
133-0392	Unevaluated	Vegetative Screening	713–716
133-0691	NRHP, VLR Listed	Vegetative Screening	717–720
133-0739	Unevaluated	Intervening Buildings	721–724
133-5254	Unevaluated	Vegetative Screening	725–728
133-5262	Unevaluated	Unforested-no major vegetation change	729–732
133-5263	Unevaluated	Unforested-no major vegetation change	733–736
133-5264	Unevaluated	Unforested-no major vegetation change	737–740
133-5265	Unevaluated	Vegetative Screening	741–744
133-5266	Unevaluated	Unforested-no major vegetation change	745–748
133-5267	Unevaluated	Vegetative Screening	749–752
133-5469	Eligible	Vegetative Screening	753–756
133-5499	Unevaluated	Unforested-no major vegetation change	757–760
270-5014	Unevaluated	Vegetative Screening	761–764

No Effect - Vegetative Screening

ERM determined that the existing vegetation between the resources in this category and the Project would continue to obstruct views of any necessary tree clearing associated with the Project. Given that there would be vegetative screening, it was determined by ERM that the existing setting of the resources would remain unchanged. Of the 191 total resources where ERM determined that there would be no potential effect, 138 resources would not be affected due to vegetative screening that obscured Project visibility.

Of the 138 resources where there would be no potential effect due to vegetative screening, three resources are listed in the NRHP, 17 resources have been determined eligible, and 118 resources are unevaluated. Of the listed resources, 007-0871 has considerable distance and numerous intervening mature trees between it and the Project (see Appendix A Figures 105–108). Resource 014-0019 is within a cleared area; however, the resource is surrounded by mature vegetation (see Appendix A Figures 217–220), so there will be no view to the Project. The Project will not be visible from 133-0691 due to the presence of mature trees and modern infrastructure (see Appendix A Figures 717–720).

No Effect - Intervening Buildings

In some cases, the presence of existing buildings between the resource and the Project would block the view of any Project activity. Of the 191 total resources where ERM determined that there would be no potential effect, 21 resources would not be affected due to intervening buildings in the viewshed that blocked Project visibility. Because intervening buildings block the view toward the Project at these locations, it was determined by ERM that the surrounding setting for each of these resources would remain unchanged.

Of the 21 resources where there would be no potential effect due to intervening buildings, two resources are listed in the NRHP, none have been determined eligible, and 19 resources are unevaluated. The two listed resources (007-1154 and 007-1211) will not be affected specifically due to intervening modern infrastructure (residences, support buildings, and associated landscaping) and distance (see Appendix A Figures 153–156 and 169–172).

No Effect - No Vegetation Change

ERM determined that in some locations, the existing vegetation consists of low-profile plants (pasture grasses or crops, for example), and construction through these unforested parcels would not create an effect on the viewshed of nearby resources. Since vegetation will revert to the pre-construction state, there will be no Project impact. Of the 191 total resources where ERM determined that there would be no potential effect, 27 resources would not be affected based on the absence of post-construction vegetation change. Given the fact that the vegetation will not change in these locations, it was determined by ERM that the surrounding setting for each of these resources would remain unchanged.

Among the 27 resources that will not be affected by the Project due to revegetation reverting to the pre-construction state, two resources are listed in the NRHP, five resources have been determined eligible, and 20 resources are unevaluated. The two listed resources are 007-0233 (see Appendix A Figures 21–24) and 067-0031 (see Appendix A Figures 321–324).

No Effect - Intervening Topography

In some cases, intervening topography will block the view to the Project. Given that intervening topography blocks the view toward the Project, it was determined by ERM that the surrounding setting for each of these resources would remain unchanged. Of the 191 total resources where ERM determined that there would be no potential effect, five resources would not be affected due to intervening topography that blocked views of the Project.

Of the five resources that would not be affected due to intervening topography, two resources are listed, none have been determined eligible, and three resources are unevaluated. Of the listed resources, 007-0012 has intervening hills between it and the Project (see Appendix A Figures 1–4). Resource 062-0005 has a mountain range between it and the Project (see Appendix A Figures 297–300), so there will be no view to the Project.

SUMMARY AND RECOMMENDATIONS

Field investigation and viewshed analysis conducted by ERM indicates that there are 191 previously recorded resources that are eligible, listed, or unevaluated for listing in the NRHP that fall within a 0.5-mile radius of the Project for which the Project will have no effect due to intervening topography, vegetation, or modern infrastructure. Of these resources, nine resources are listed, 23 resources are recommended eligible, and 159 resources are unevaluated.

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APPENDIX A – FIGURES

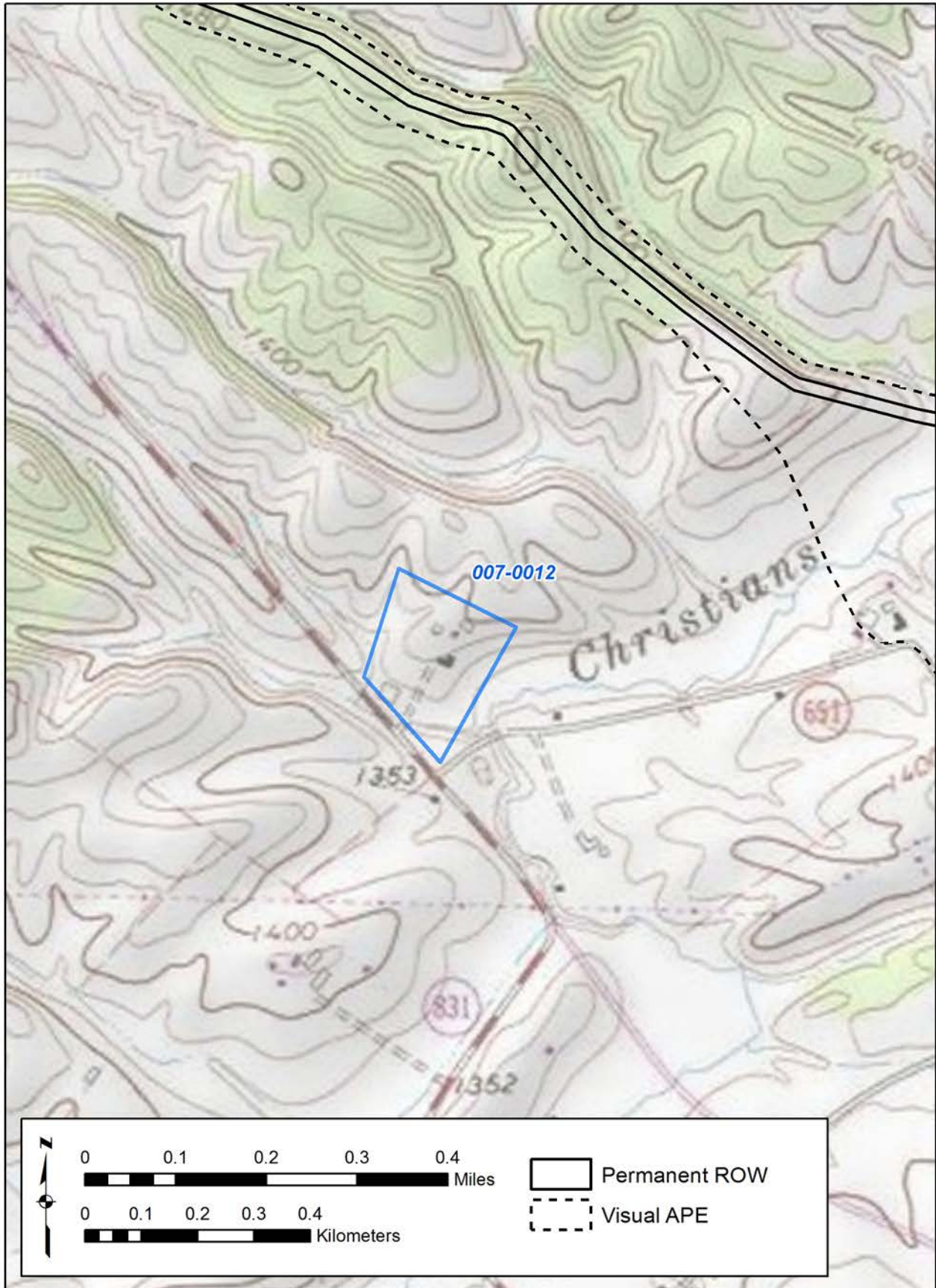


Figure 1. 007-0012 - USGS Quadrangle.

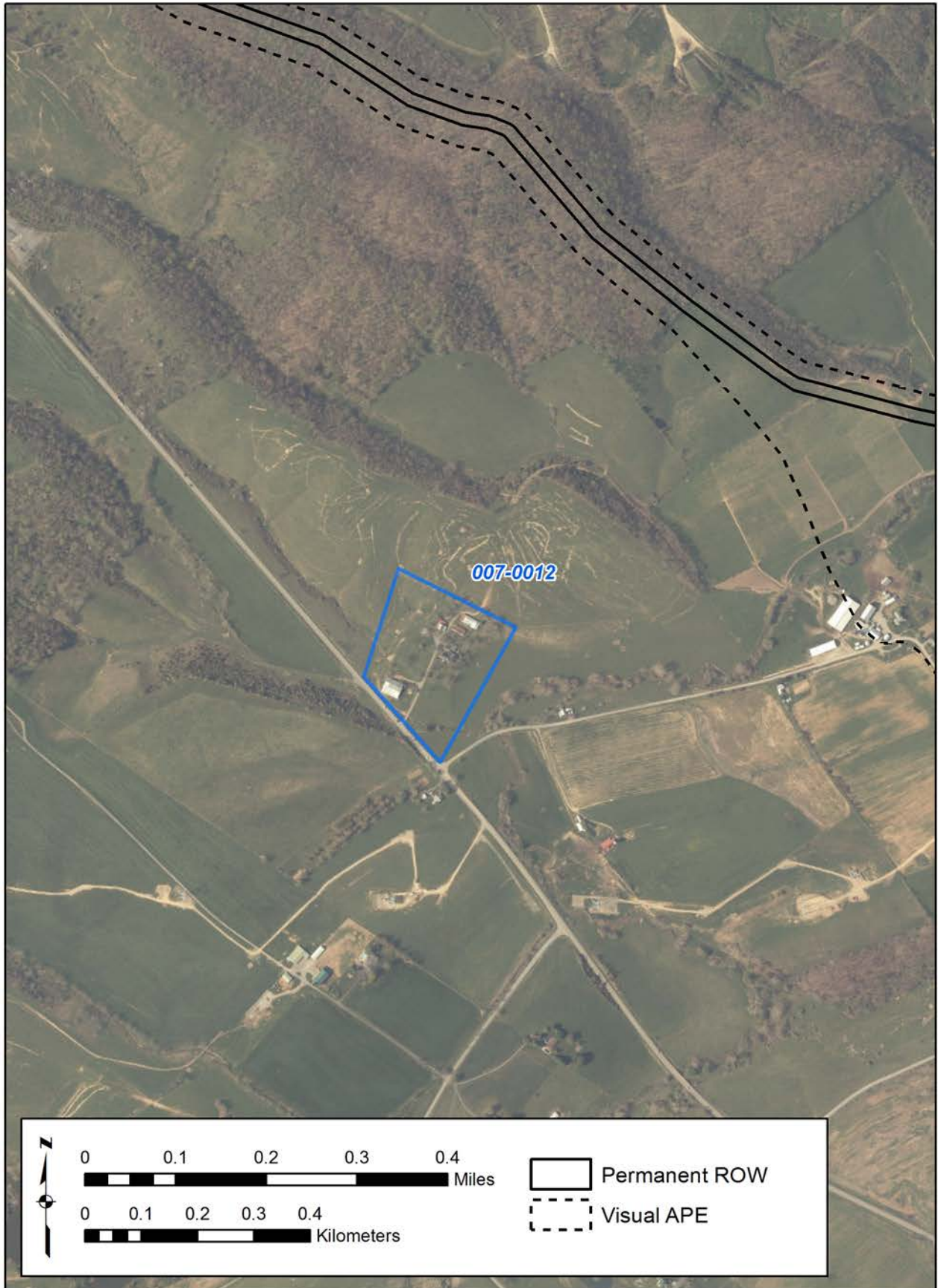


Figure 2. 007-0012 - Aerial.



Figure 3. 007-0012 - 3-D View.

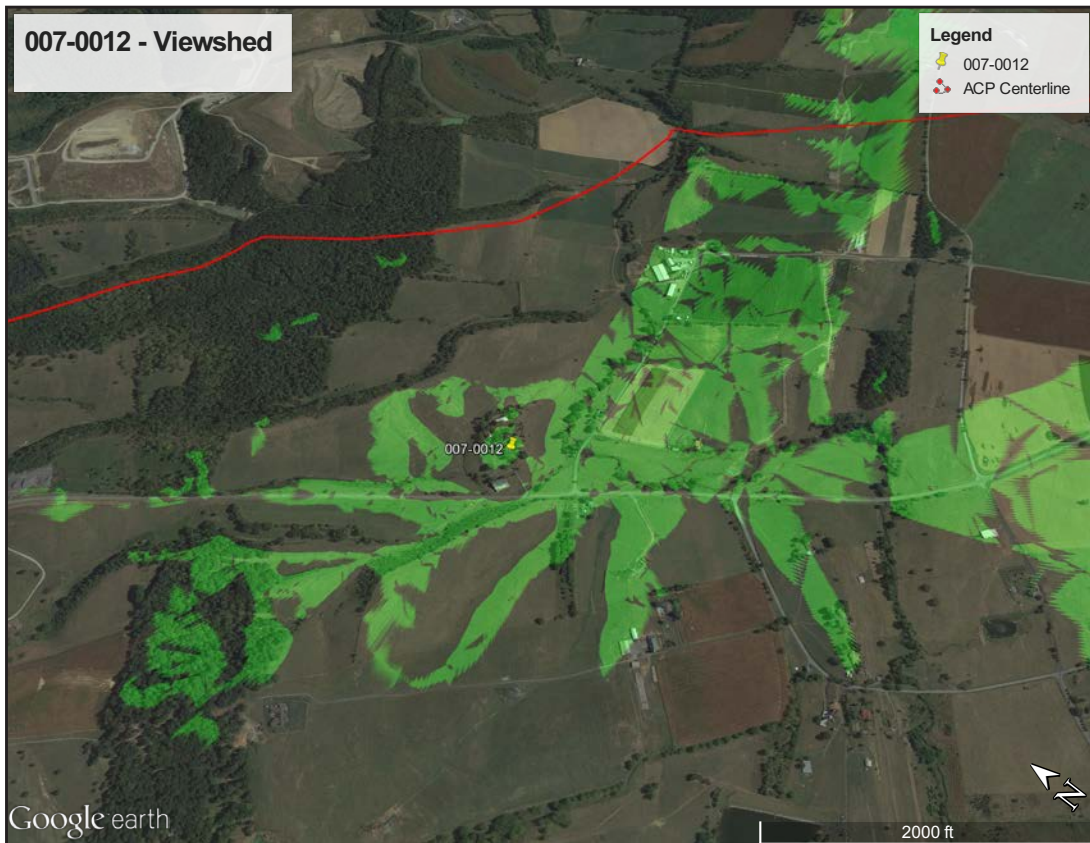


Figure 4. 007-0012 - Viewshed.



Figure 5. 007-0097 - USGS Quadrangle.



Figure 6. 007-0097 - Aerial.

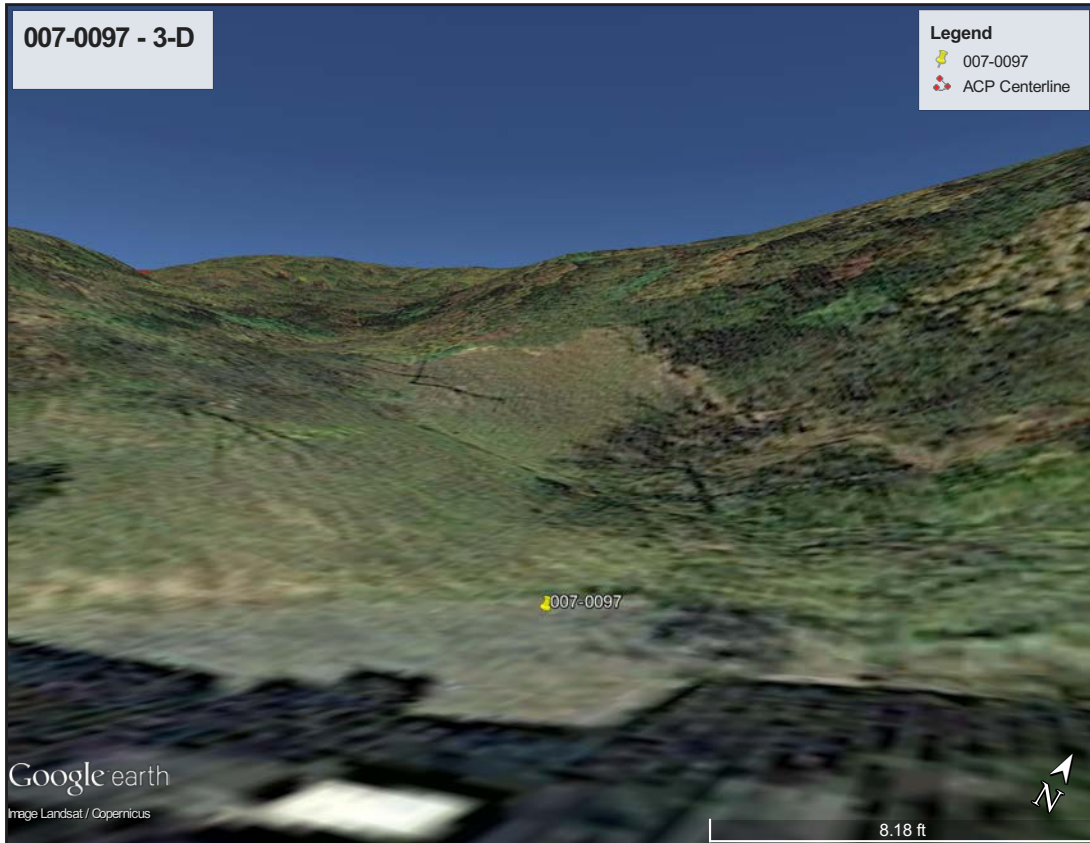


Figure 7. 007-0097 - 3-D View.

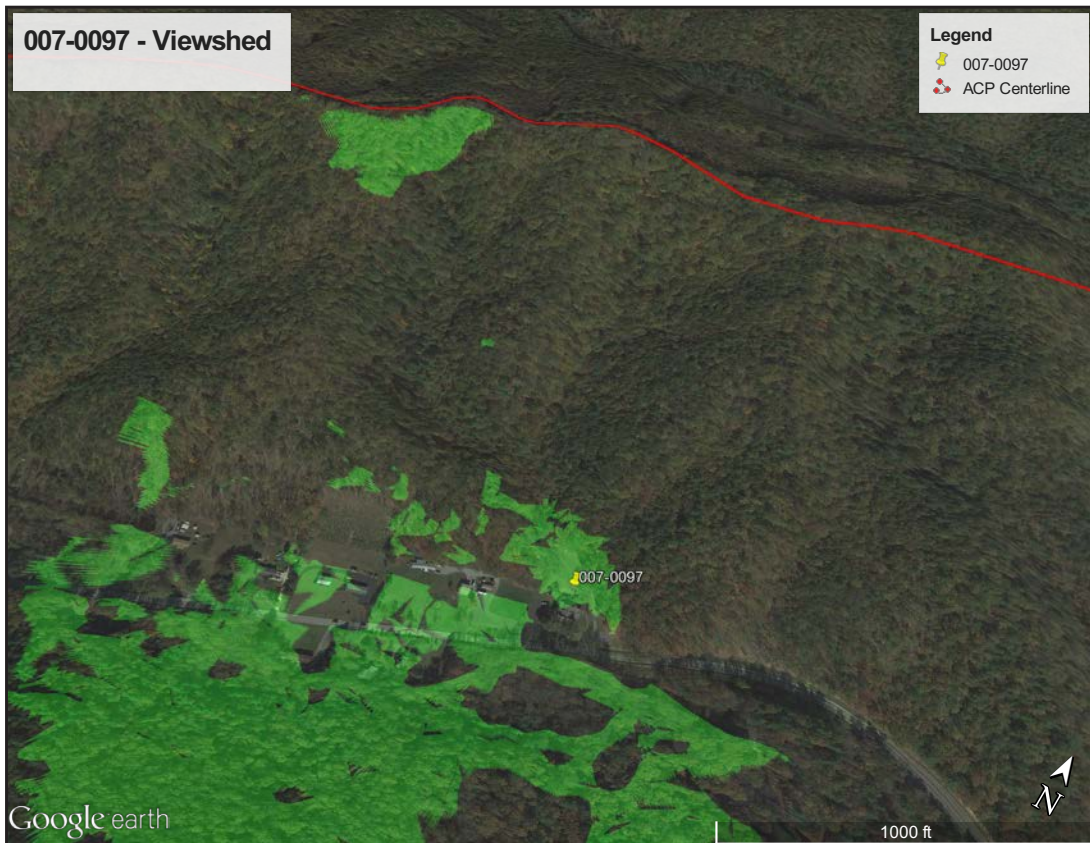


Figure 8. 007-0097 - Viewshed.

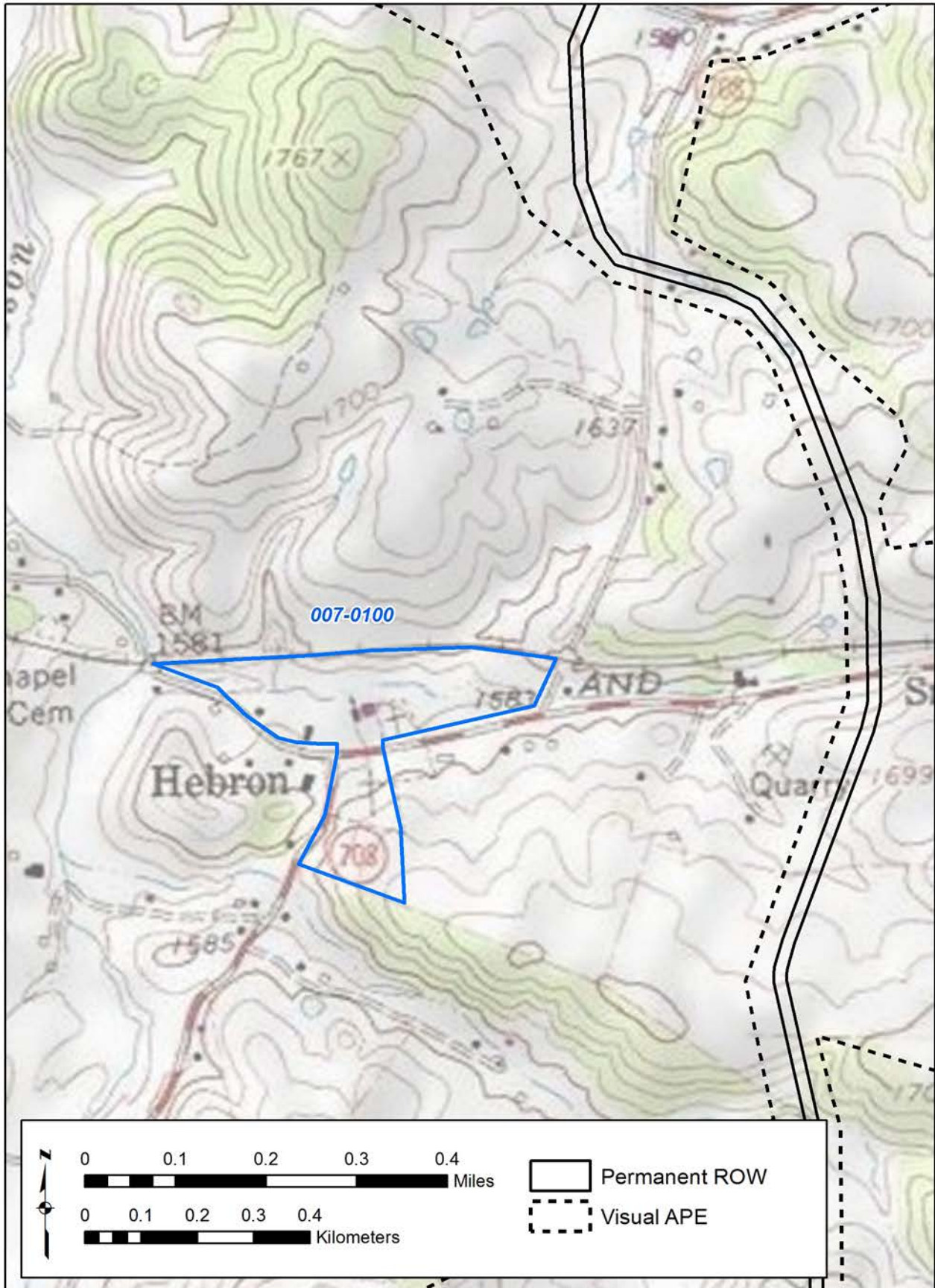


Figure 9. 007-0100 - USGS Quadrangle.



Figure 10. 007-0100 - Aerial.

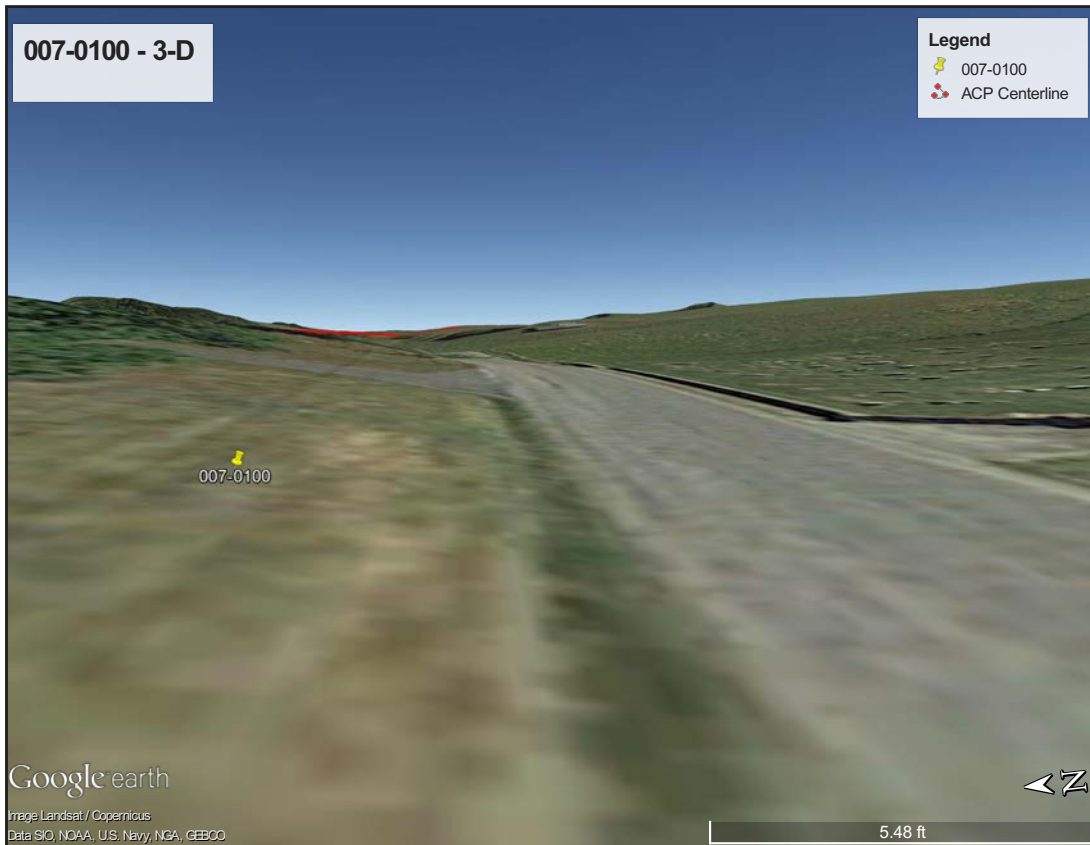


Figure 11. 007-0100 - 3-D View.

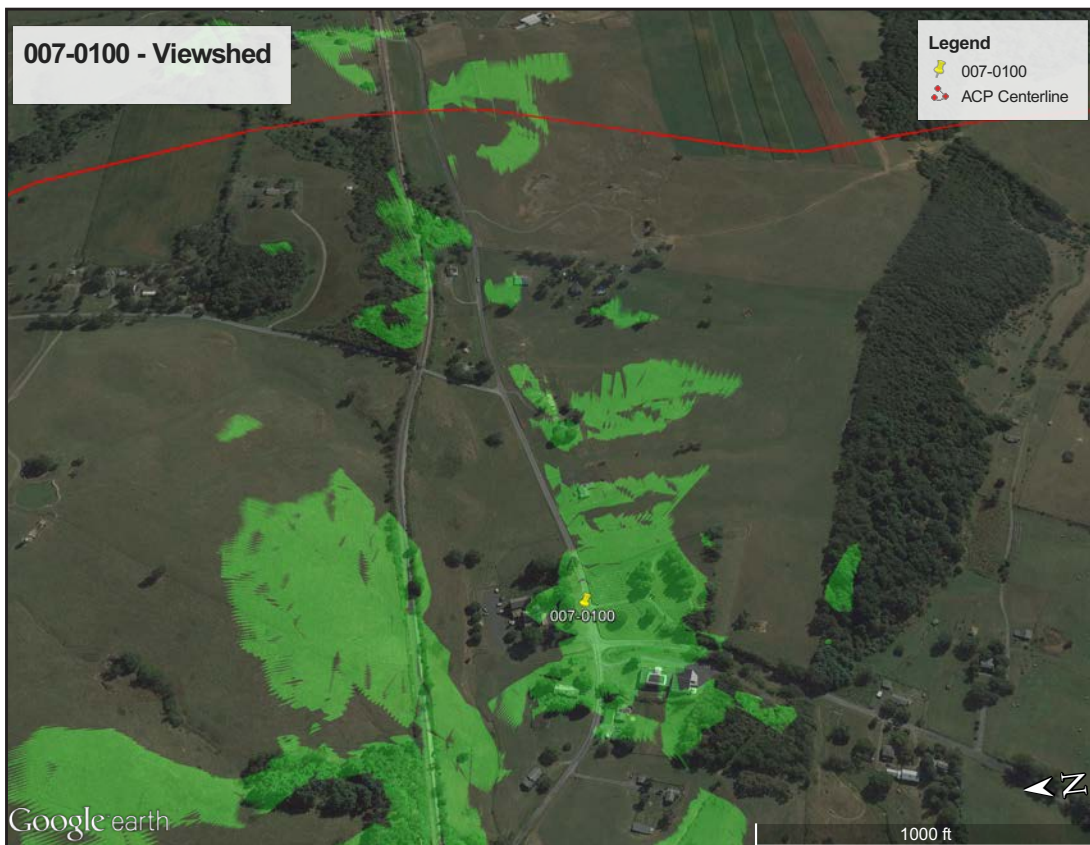


Figure 12. 007-0100 - Viewshed.

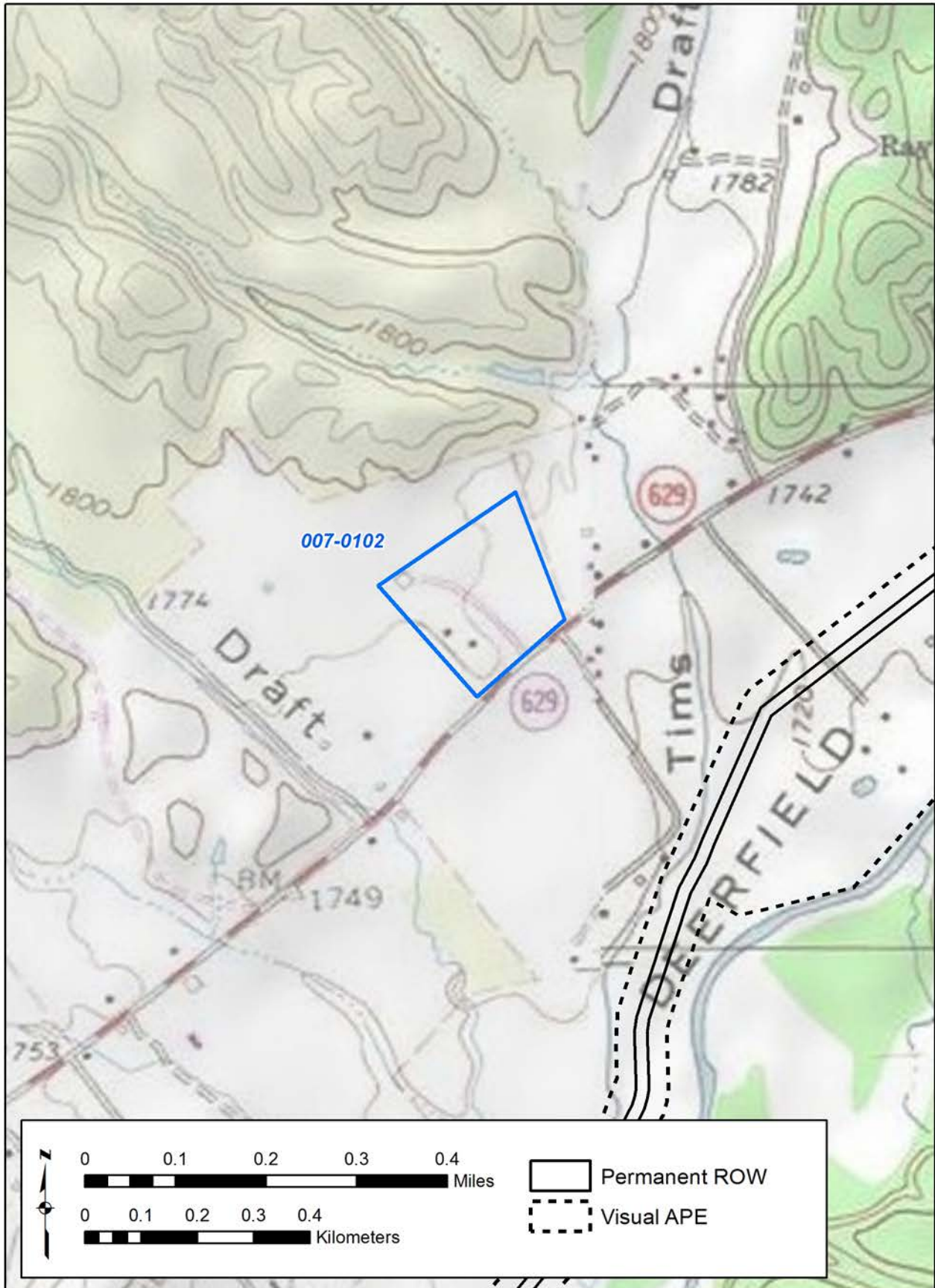


Figure 13. 007-0102 - USGS Quadrangle.



Figure 14. 007-0102 - Aerial.

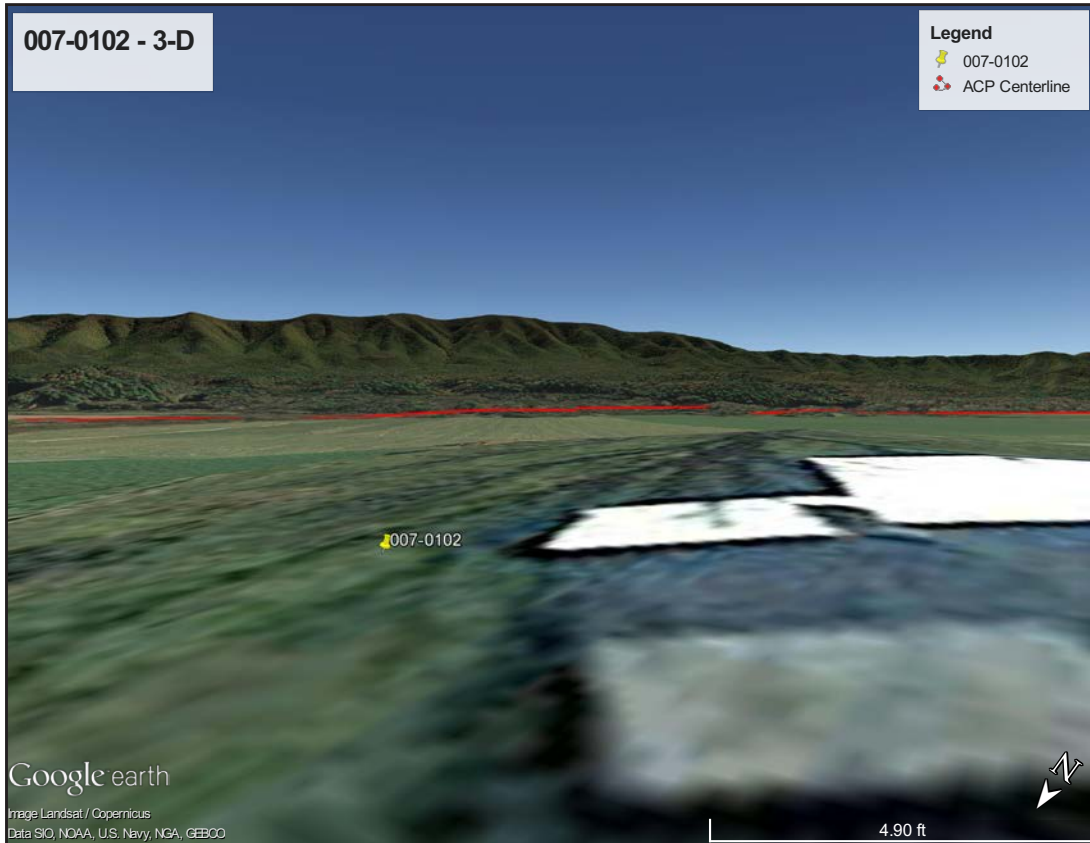


Figure 15. 007-0102 - 3-D View.

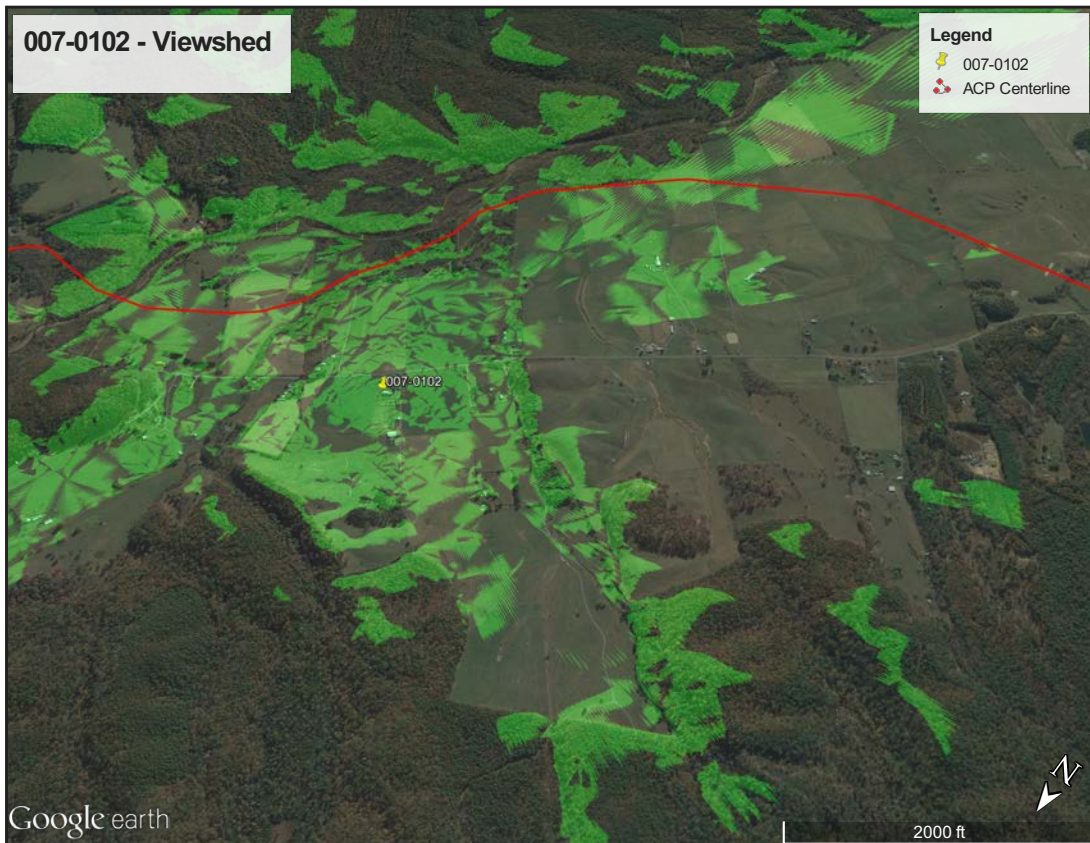


Figure 16. 007-0102 - Viewshed.

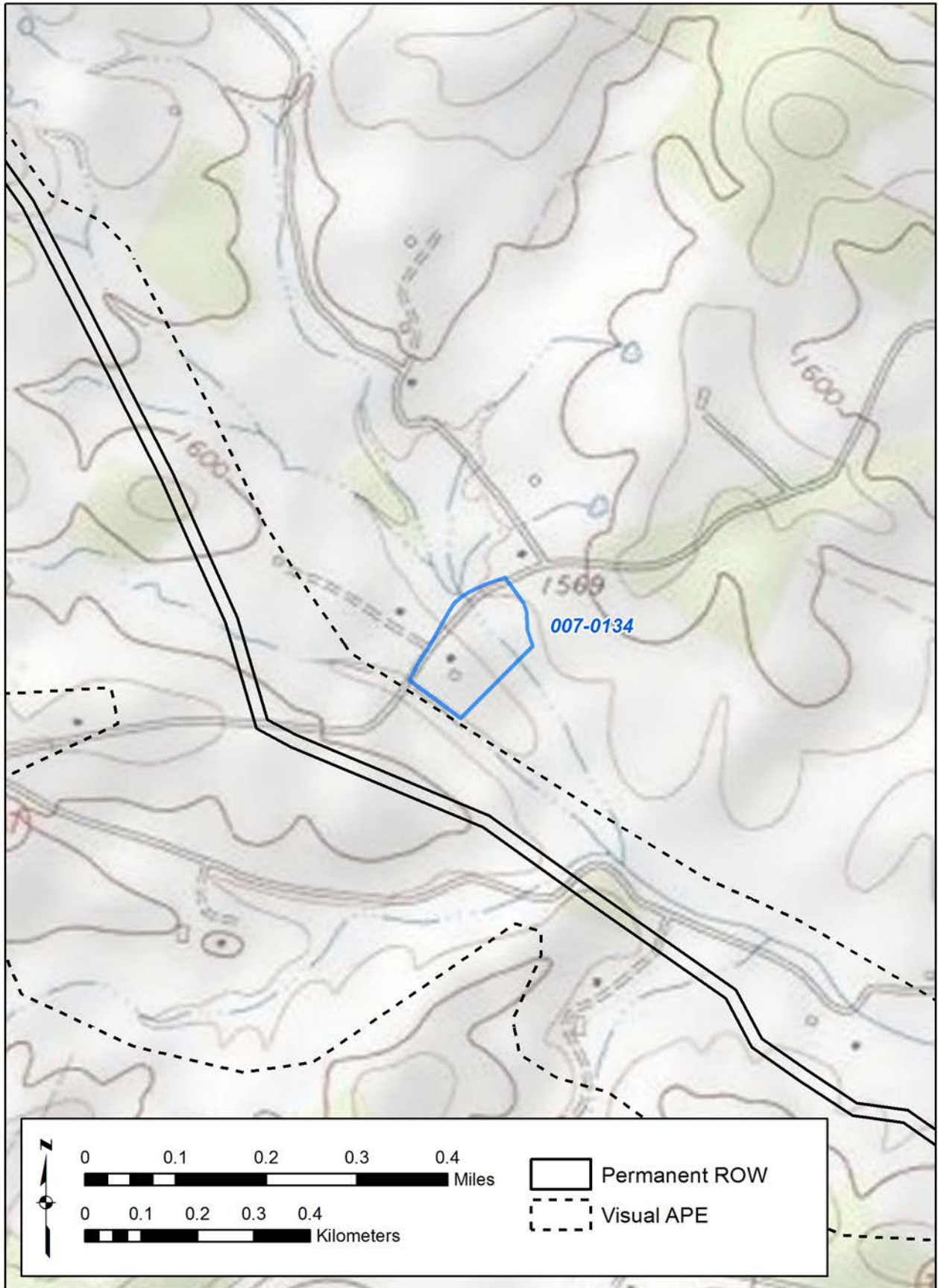


Figure 17. 007-0134 - USGS Quadrangle.



Figure 18. 007-0134 - Aerial.



Figure 19. 007-0134 - 3-D View.

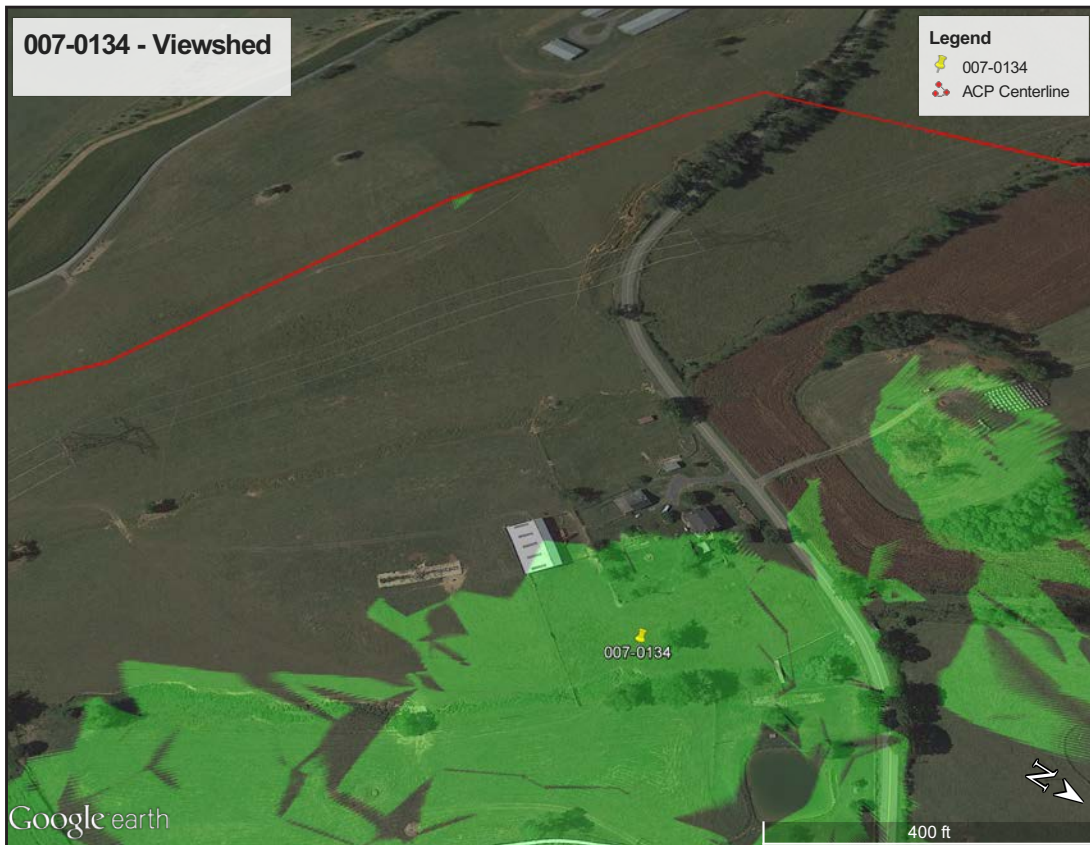


Figure 20. 007-0134 - Viewshed.

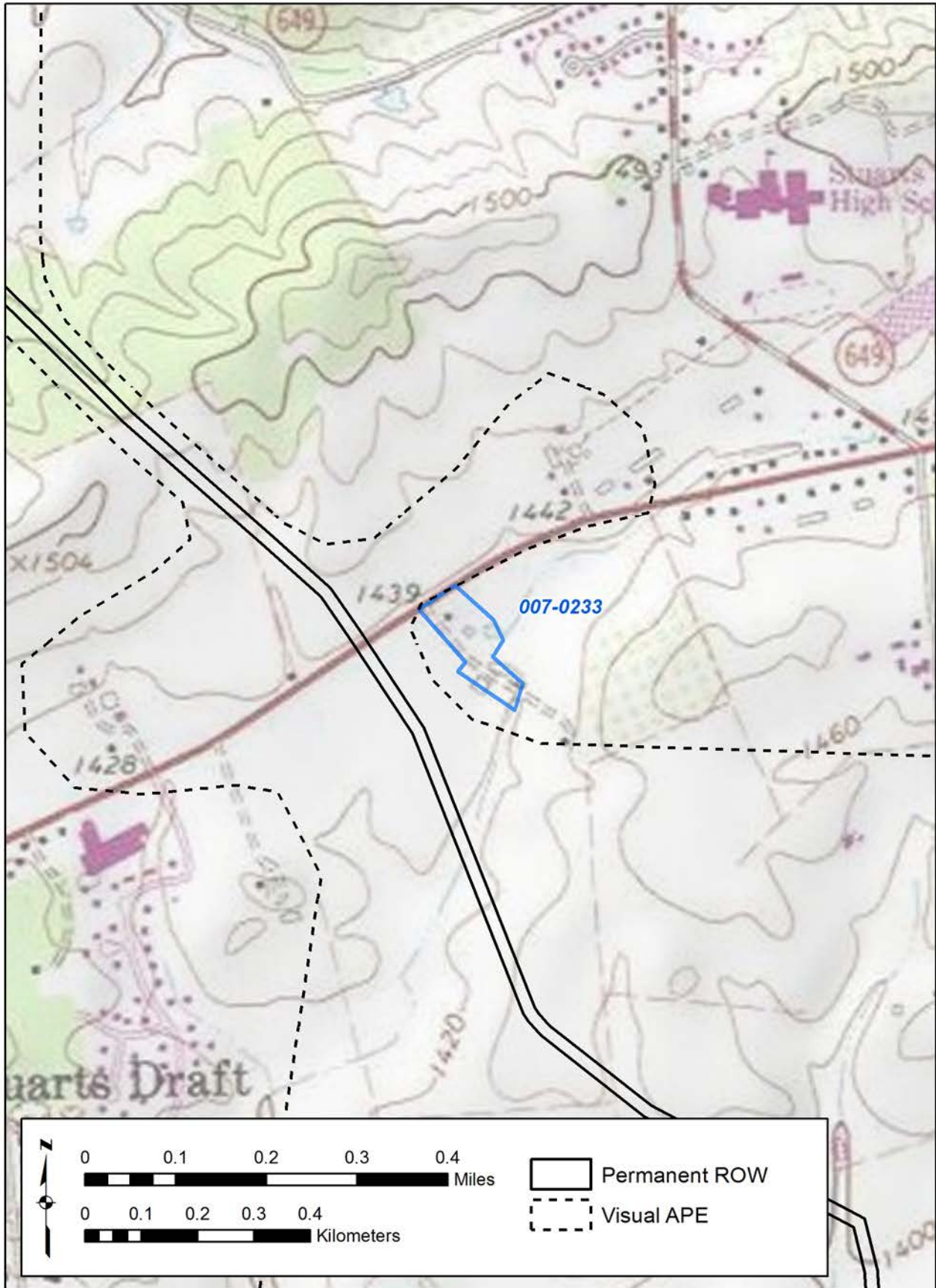


Figure 21. 007-0233 - USGS Quadrangle.

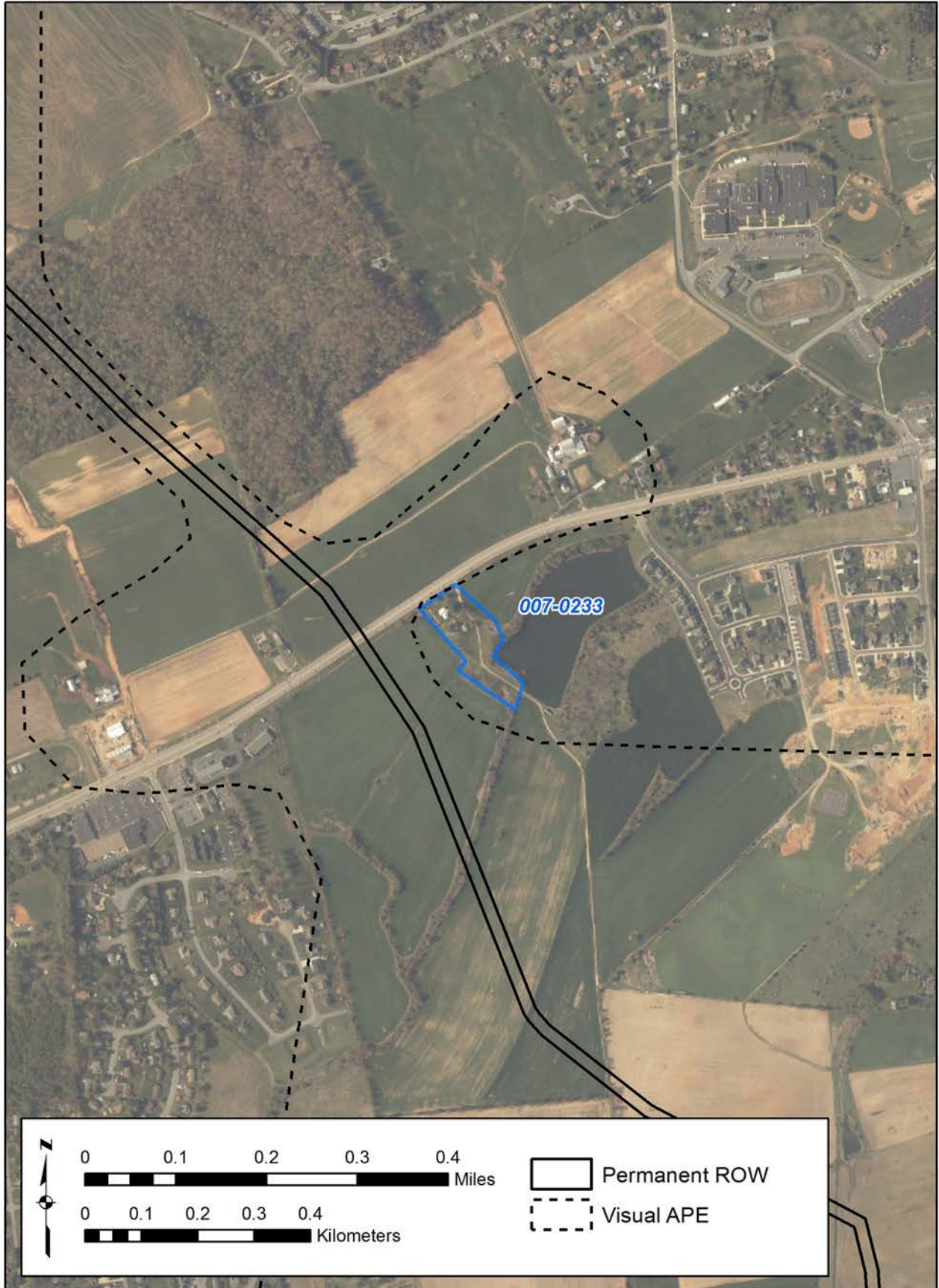


Figure 22. 007-0233 - Aerial.

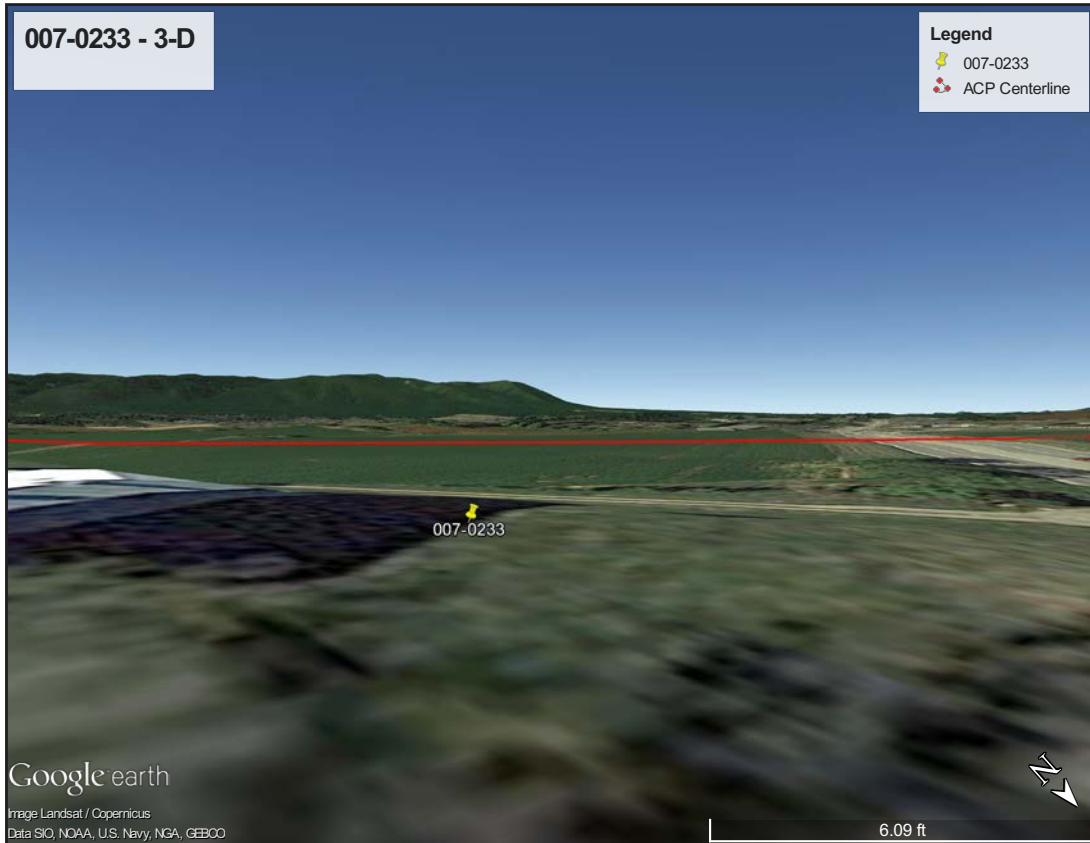


Figure 23. 007-0233 - 3-D View.



Figure 24. 007-0233 - Viewshed.

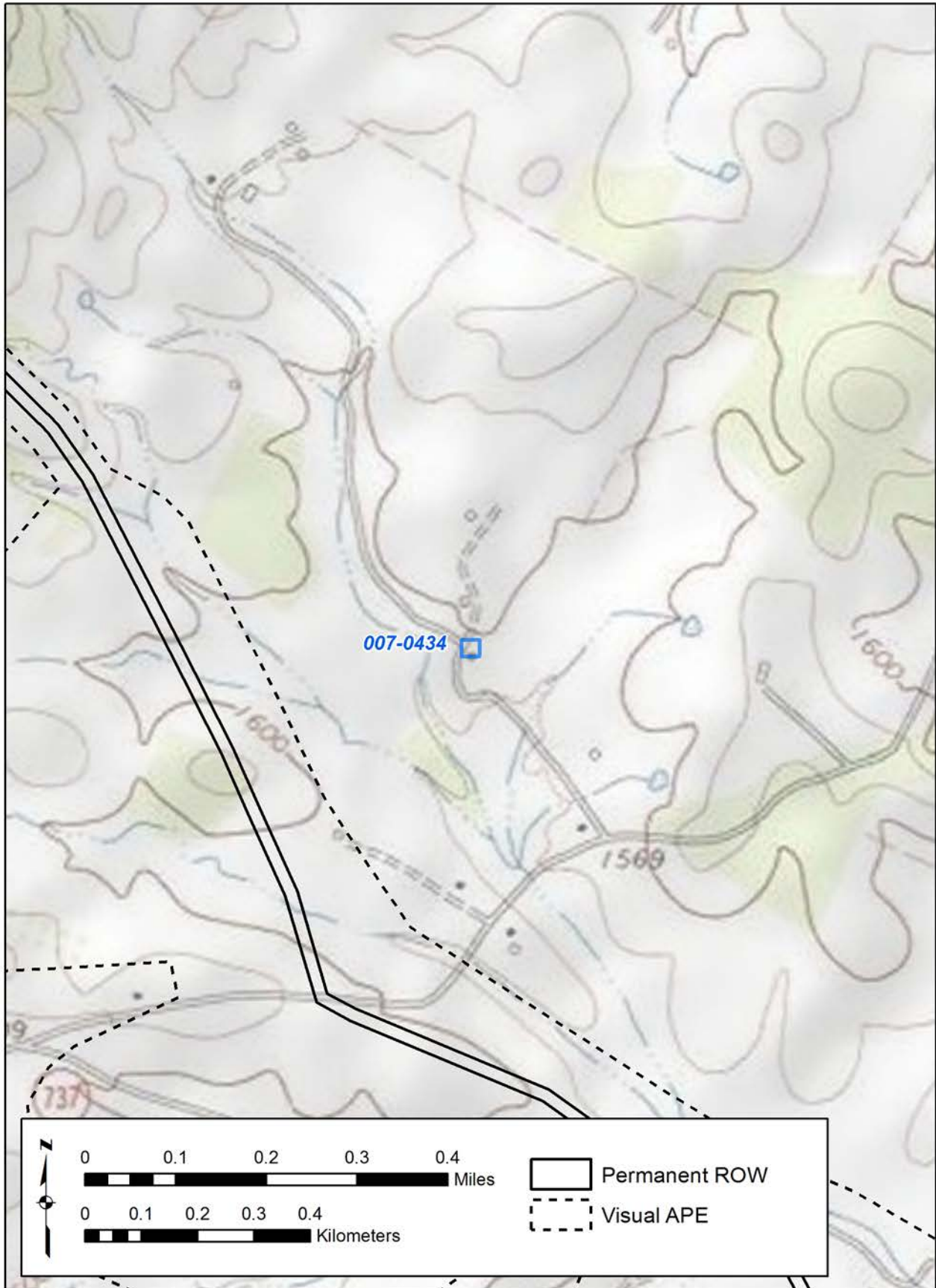


Figure 25. 007-0434 - USGS Quadrangle.

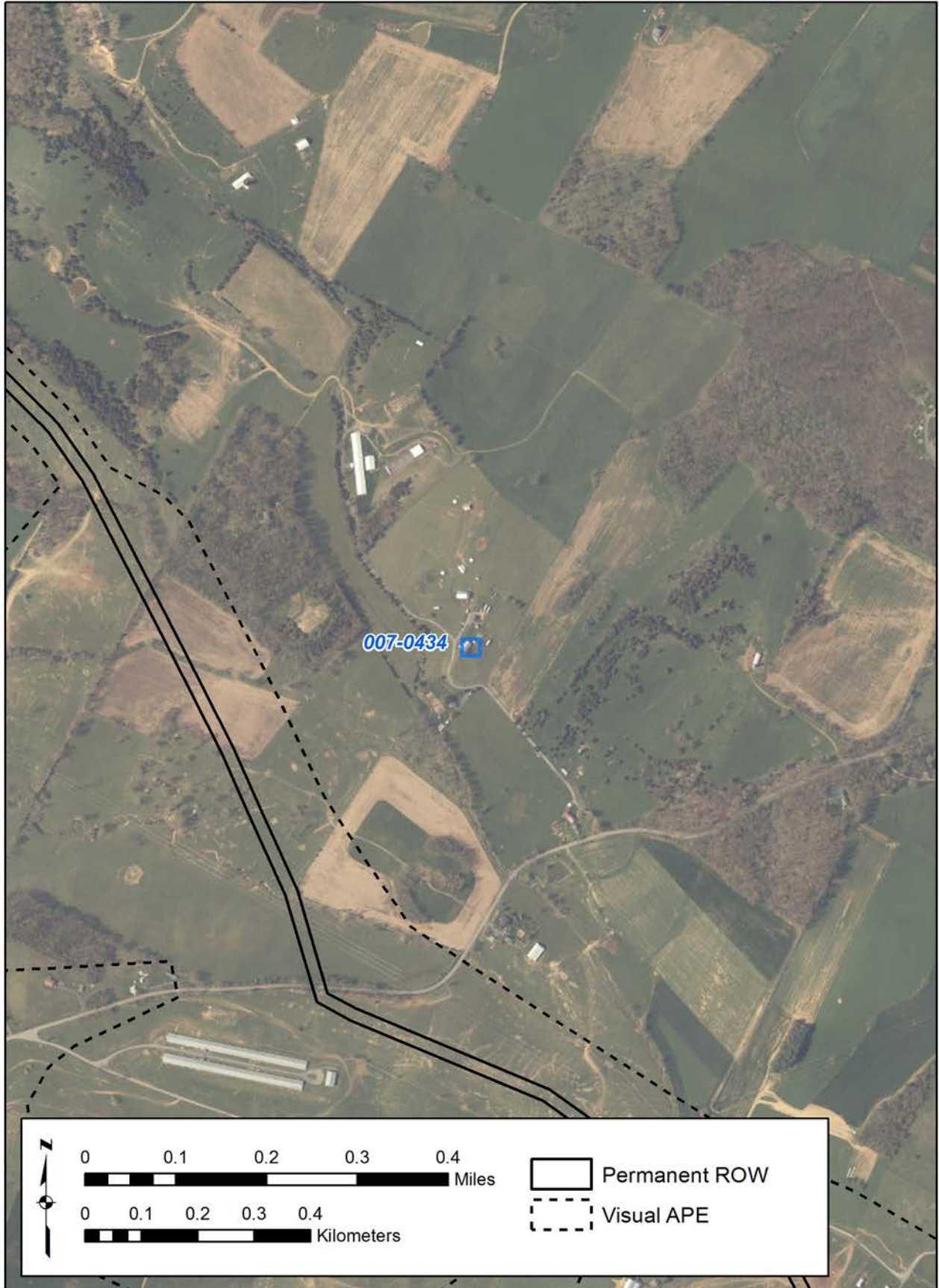


Figure 26. 007-0434 - Aerial.



Figure 27. 007-0434 - 3-D View.

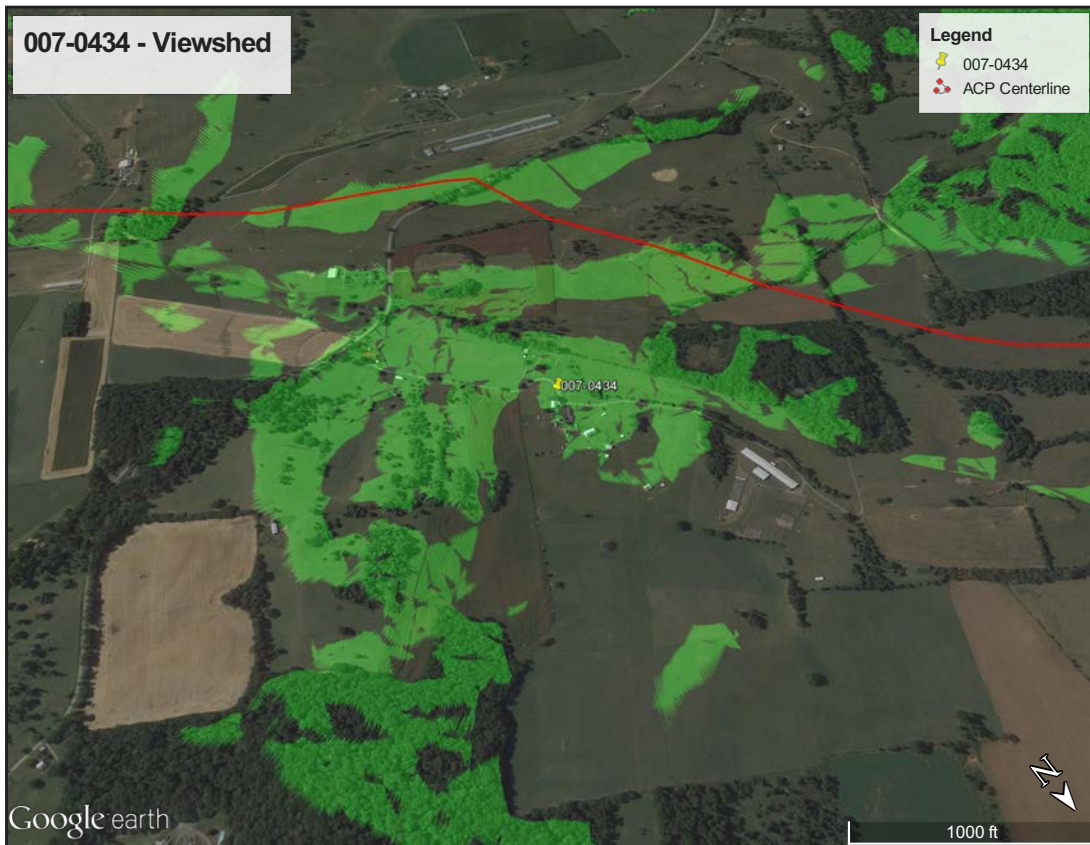


Figure 28. 007-0434 - Viewshed.

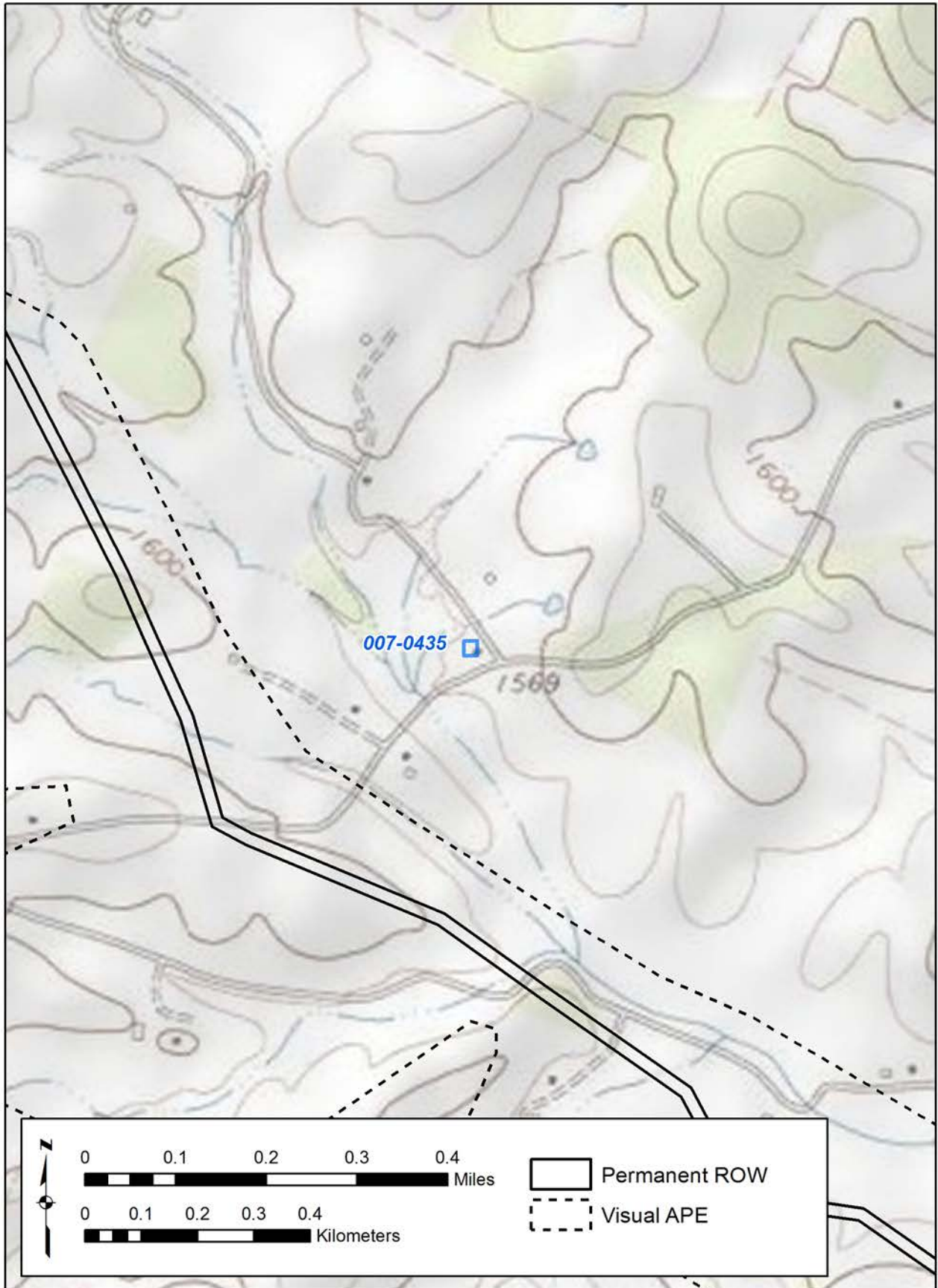


Figure 29. 007-0435 - USGS Quadrangle.



Figure 30. 007-0435 - Aerial.

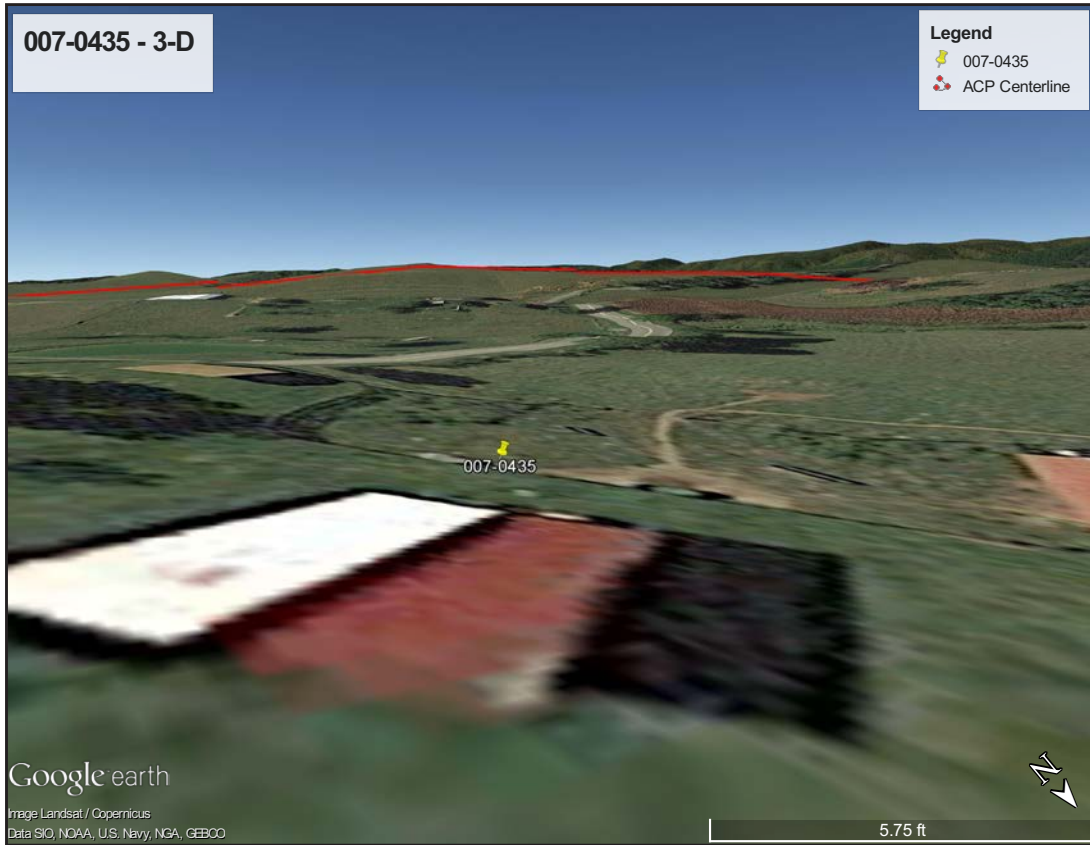


Figure 31. 007-0435 - 3-D View.

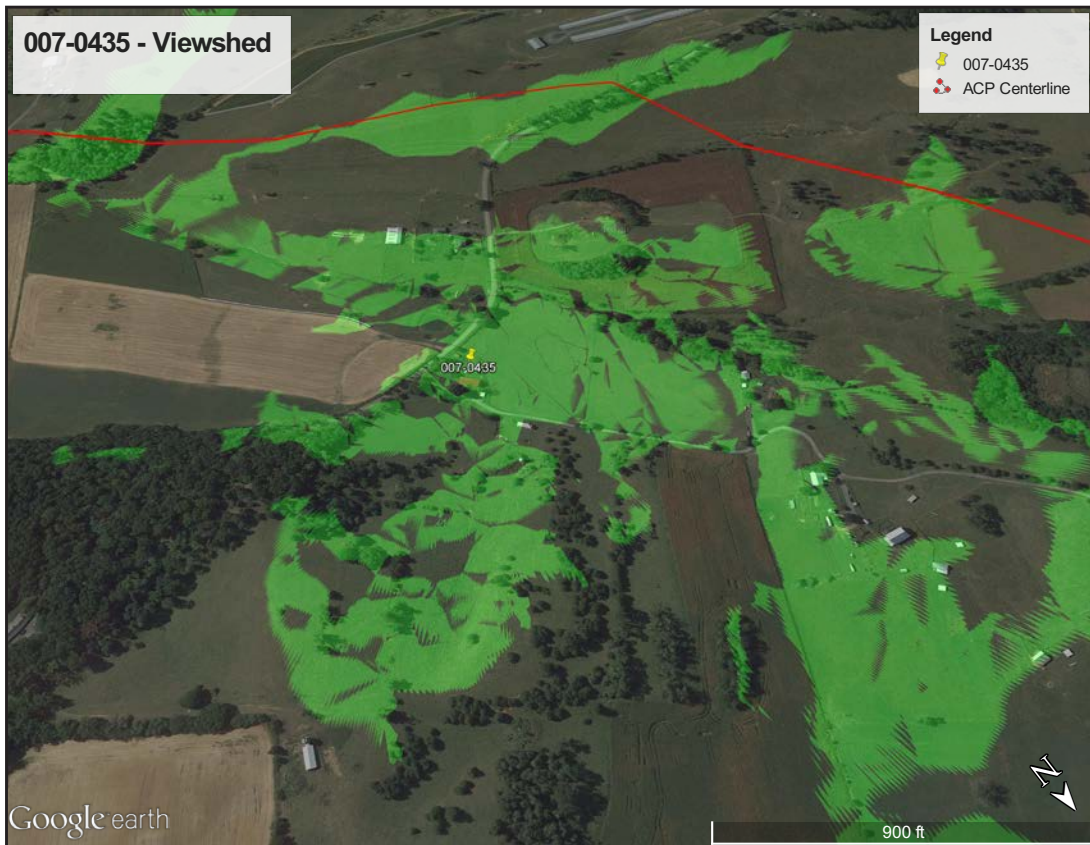


Figure 32. 007-0435 - Viewshed.

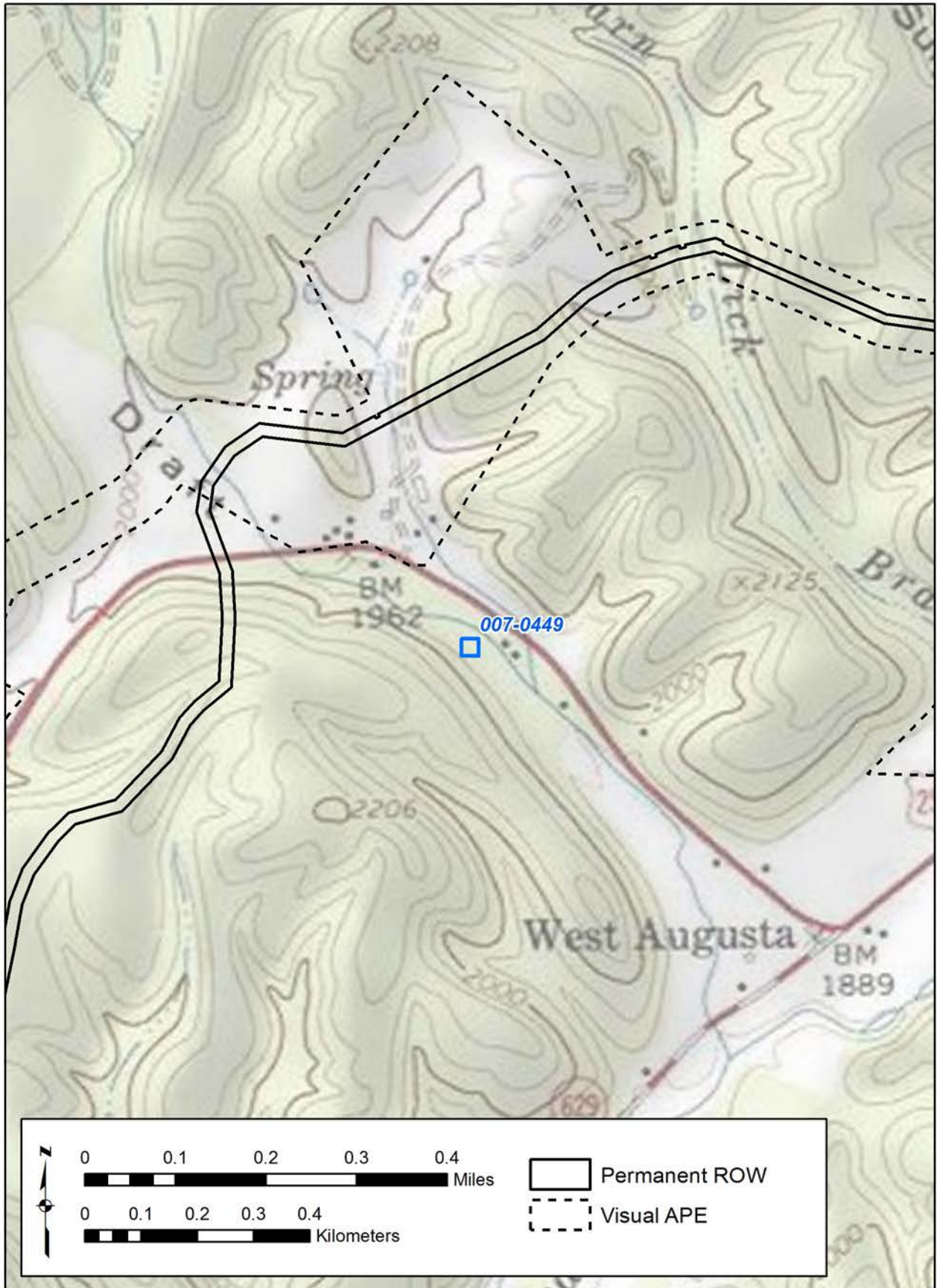


Figure 33. 007-0449 - USGS Quadrangle.

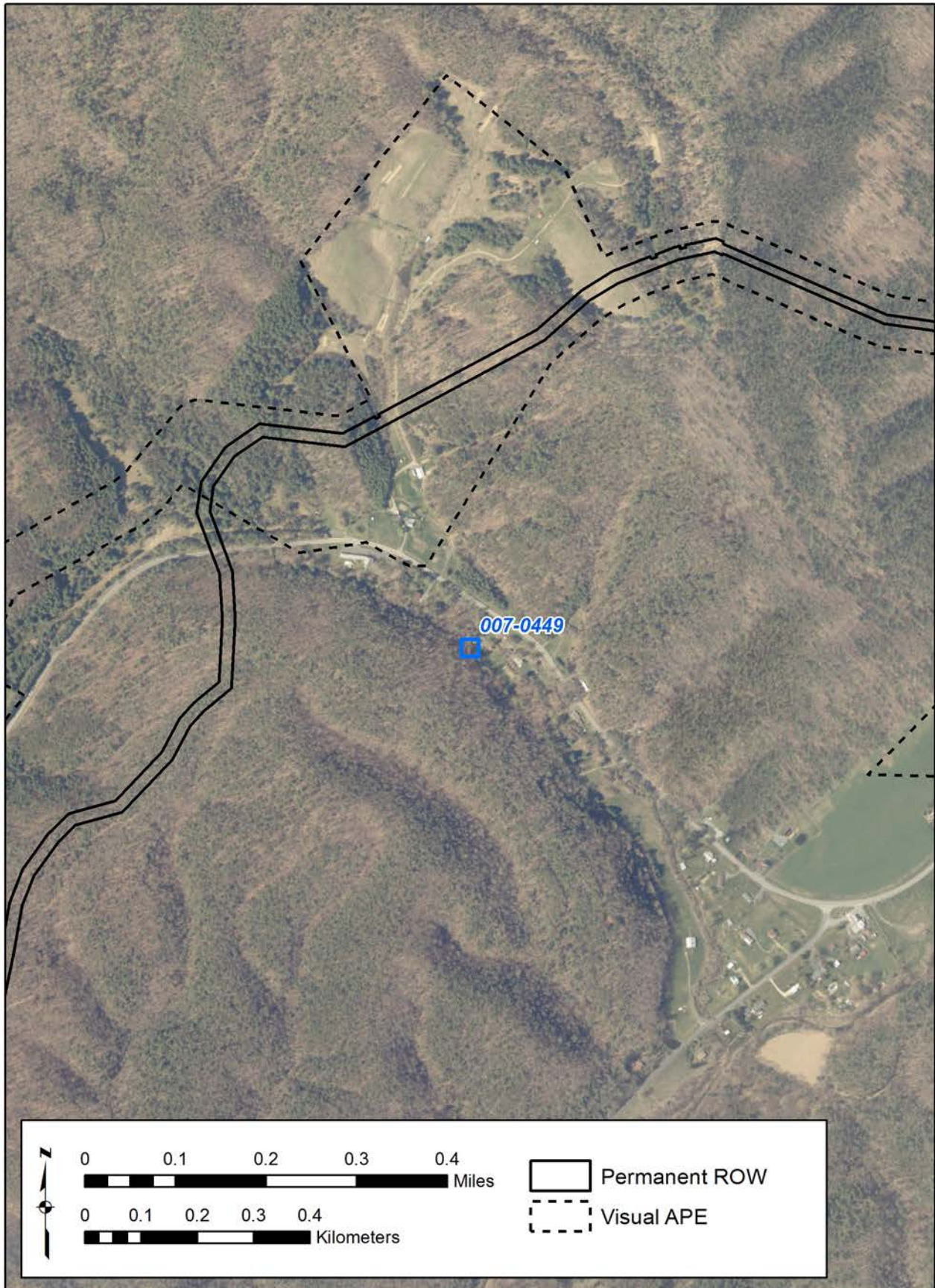


Figure 34. 007-0449 - Aerial.



Figure 35. 007-0449 - 3-D View.

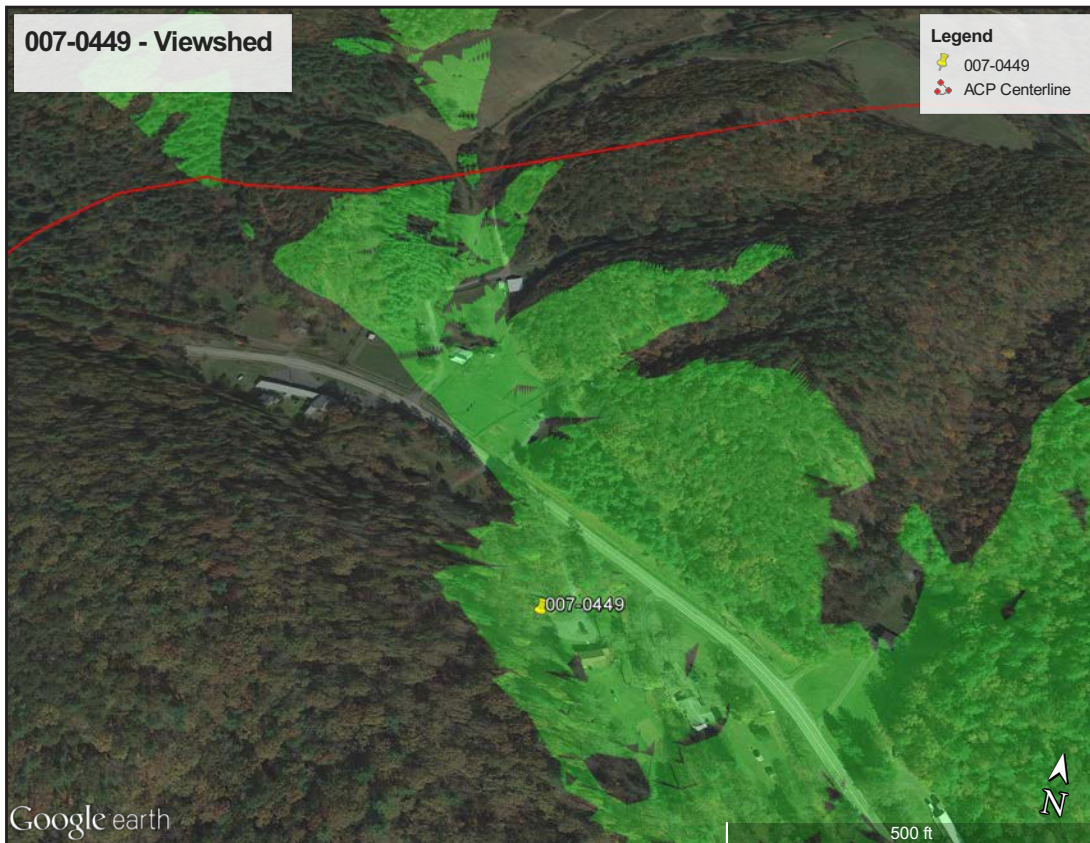


Figure 36. 007-0449 - Viewshed.

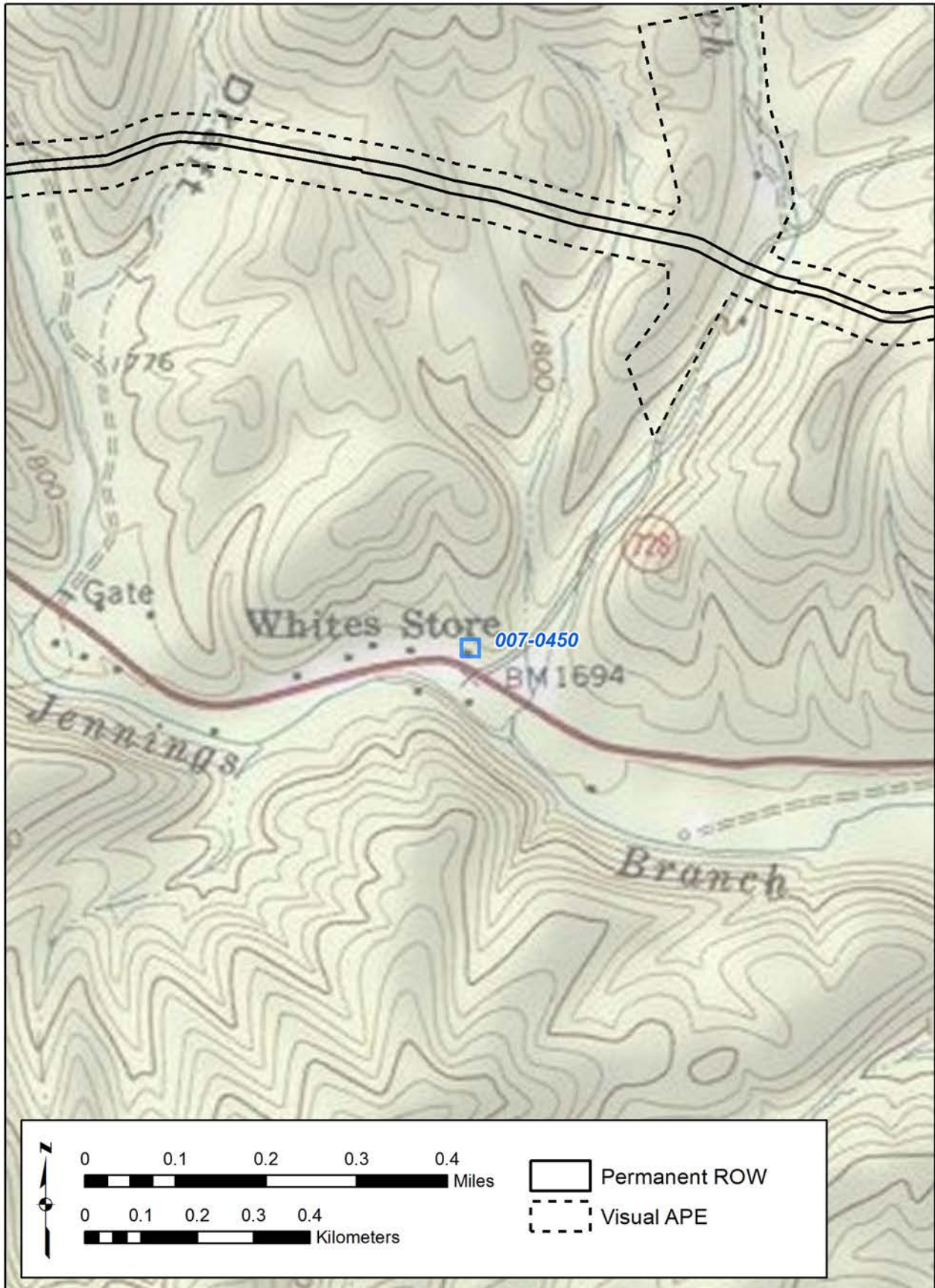


Figure 37. 007-0450 - USGS Quadrangle.

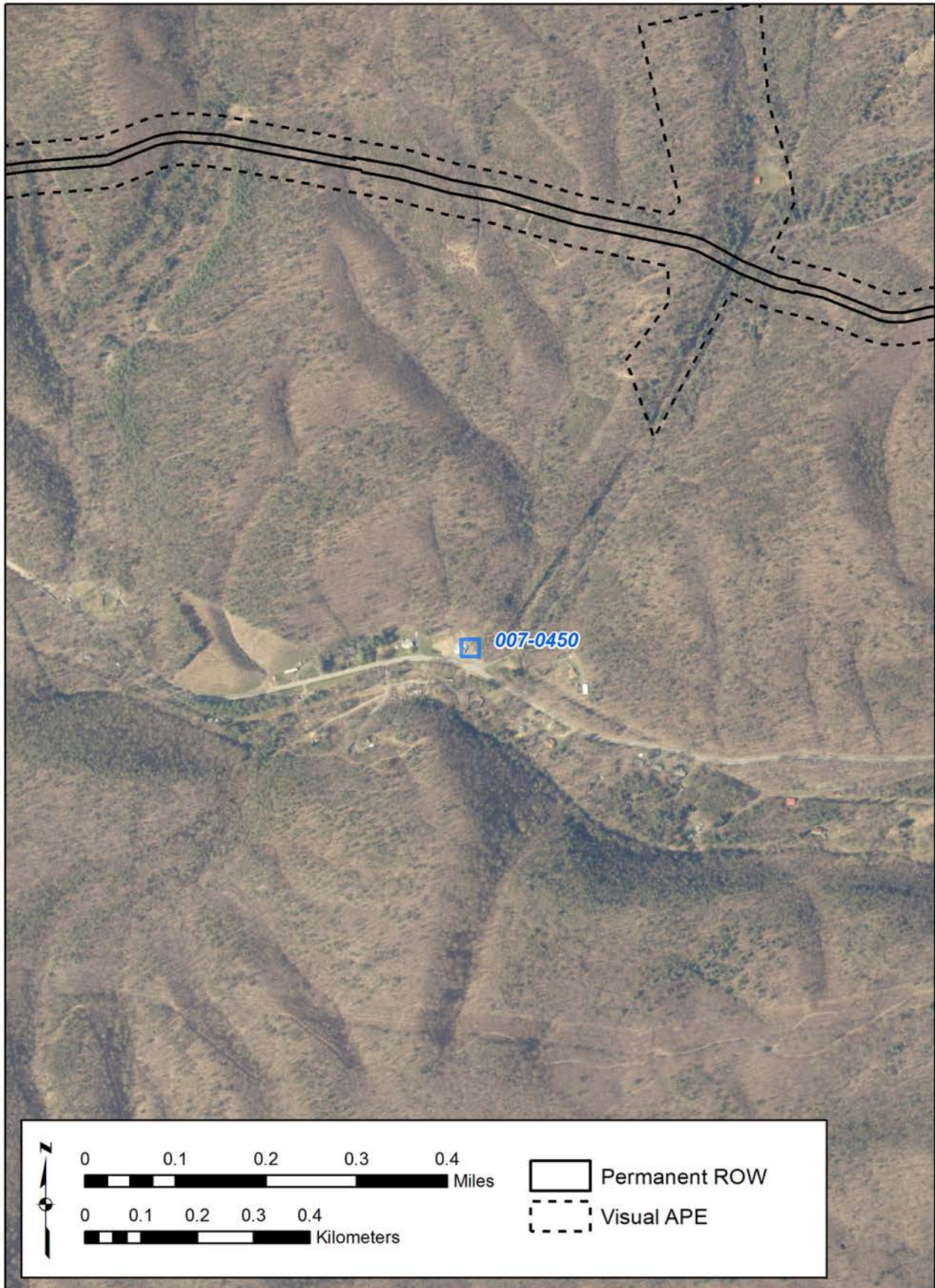


Figure 38. 007-0450 - Aerial.



Figure 39. 007-0450 - 3-D View.

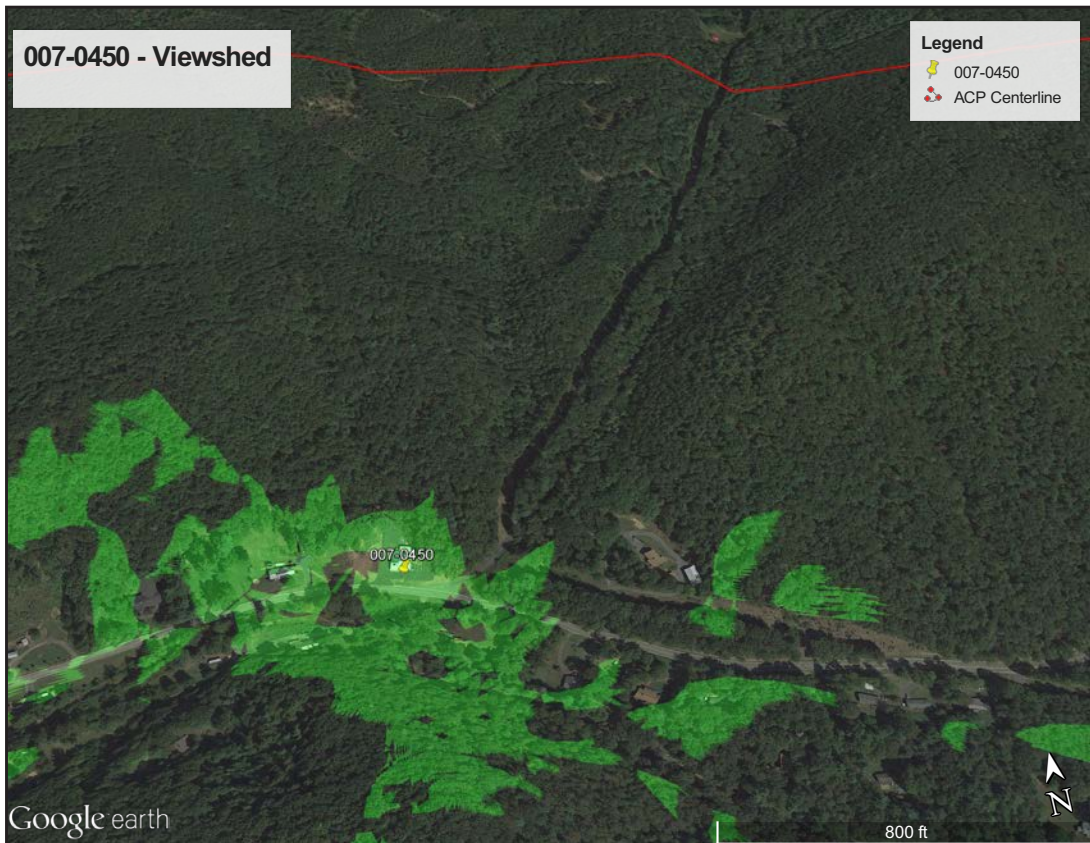


Figure 40. 007-0450 - Viewshed.

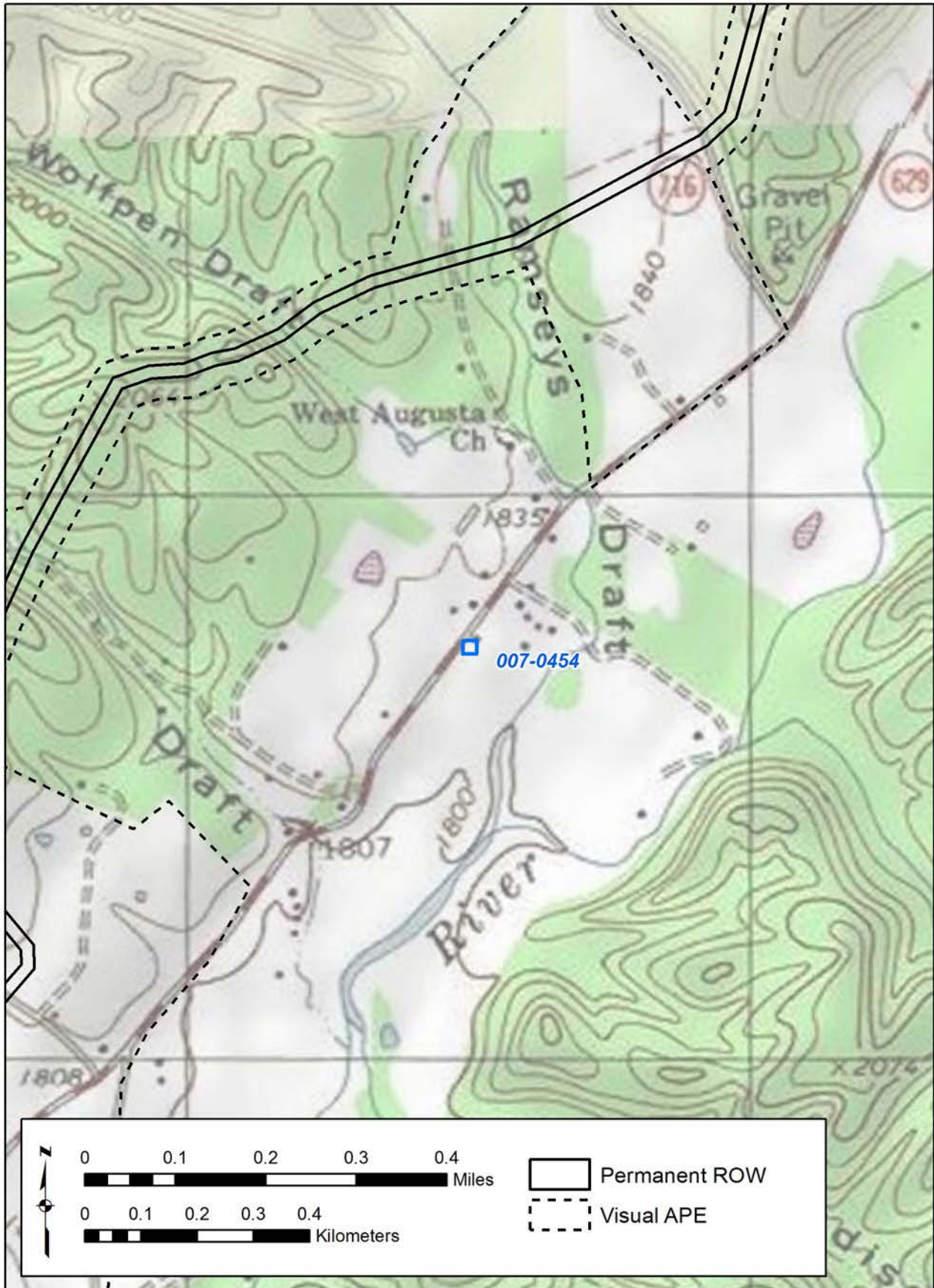


Figure 41. 007-0454 - USGS Quadrangle.



Figure 42. 007-0454 - Aerial.



Figure 43. 007-0454 - 3-D View.

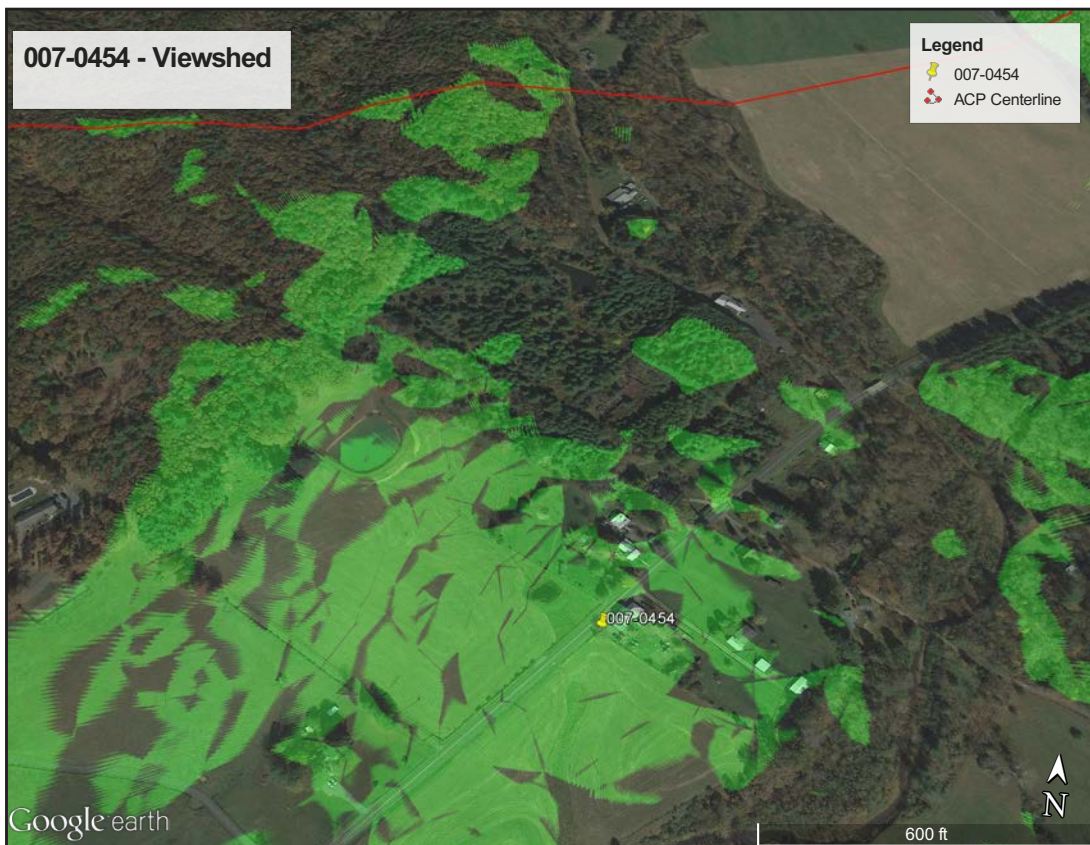


Figure 44. 007-0454 - Viewshed.

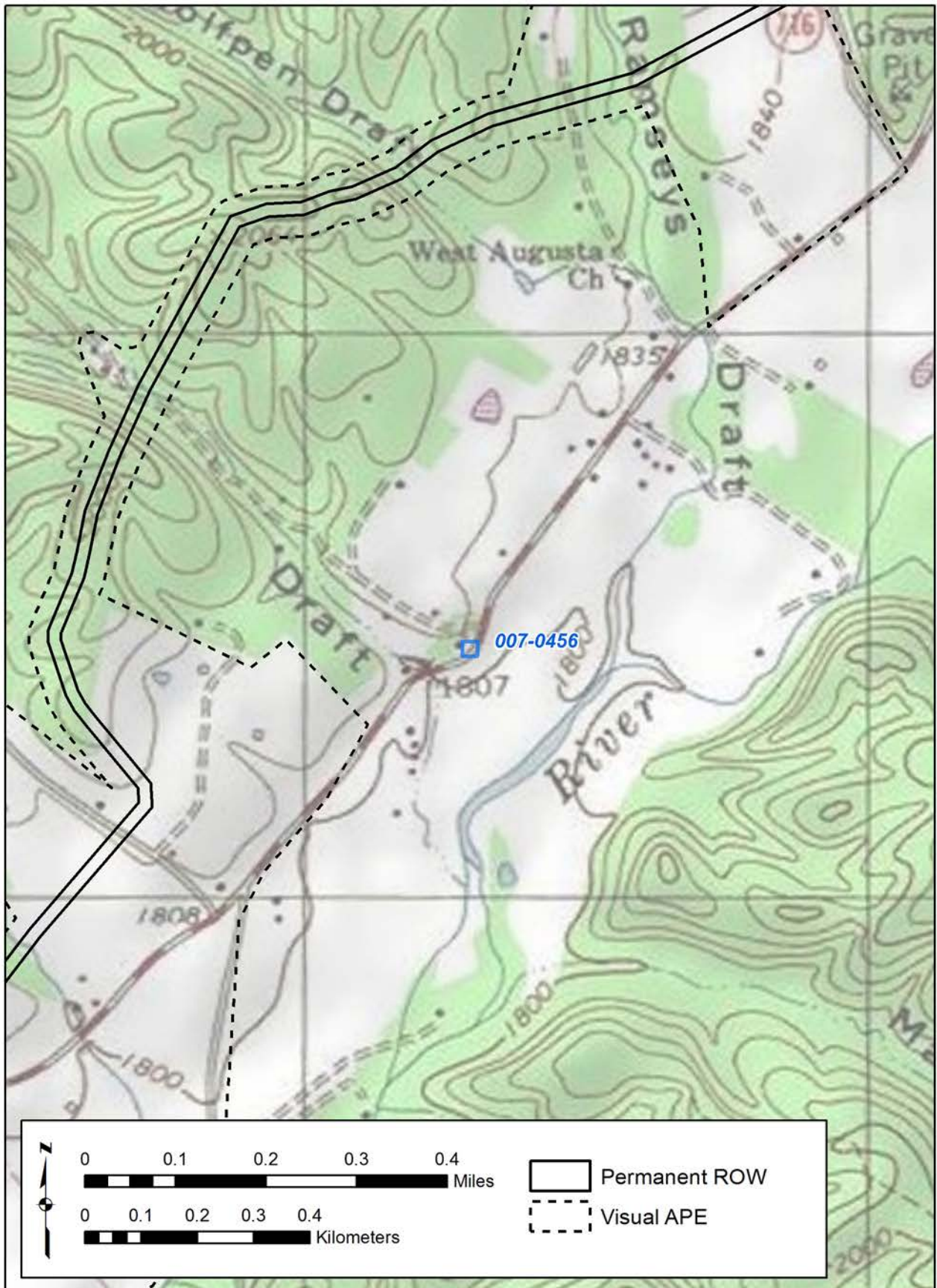


Figure 45. 007-0456 - USGS Quadrangle.

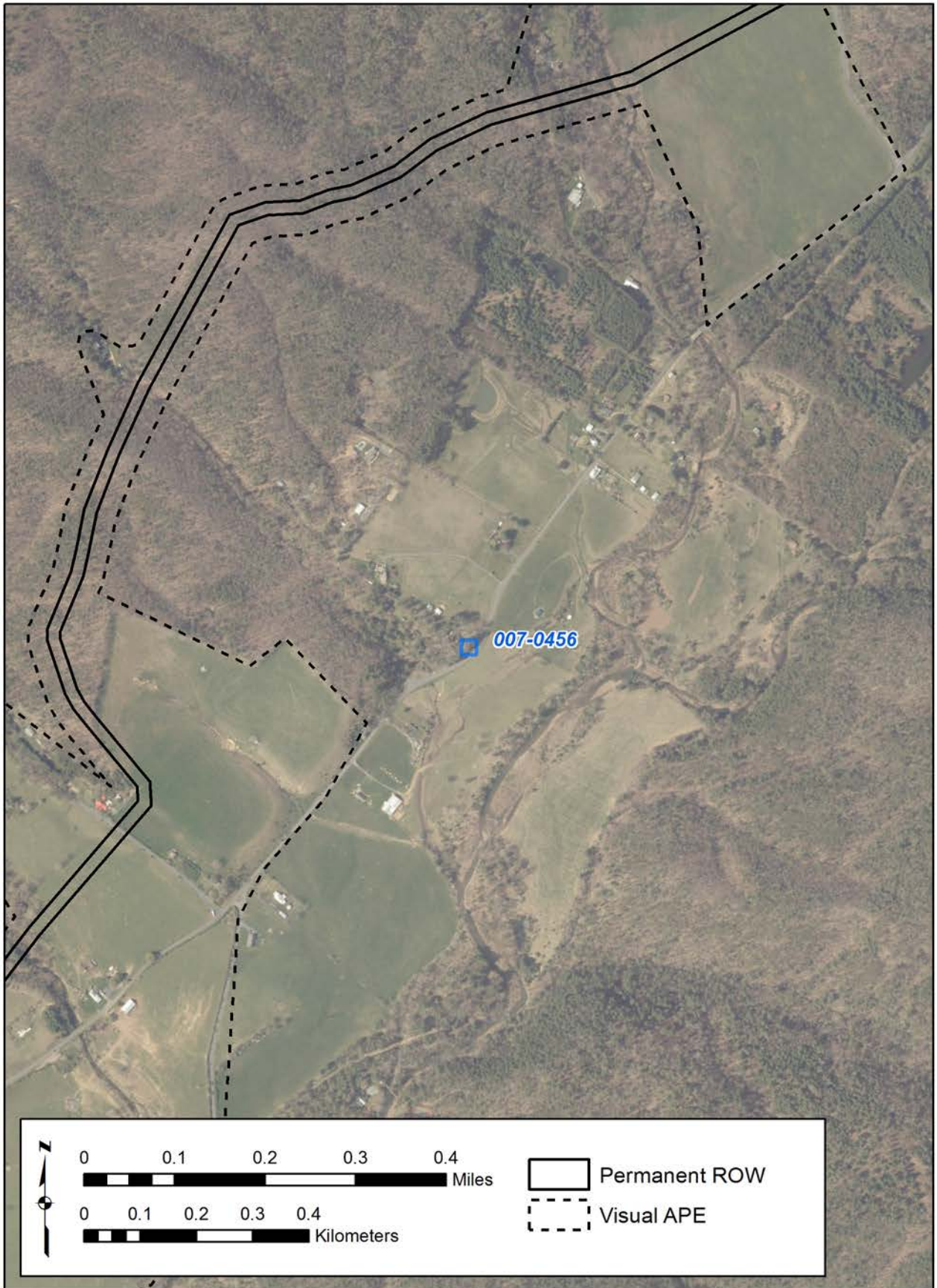


Figure 46. 007-0456 - Aerial.



Figure 47. 007-0456 - 3-D View.

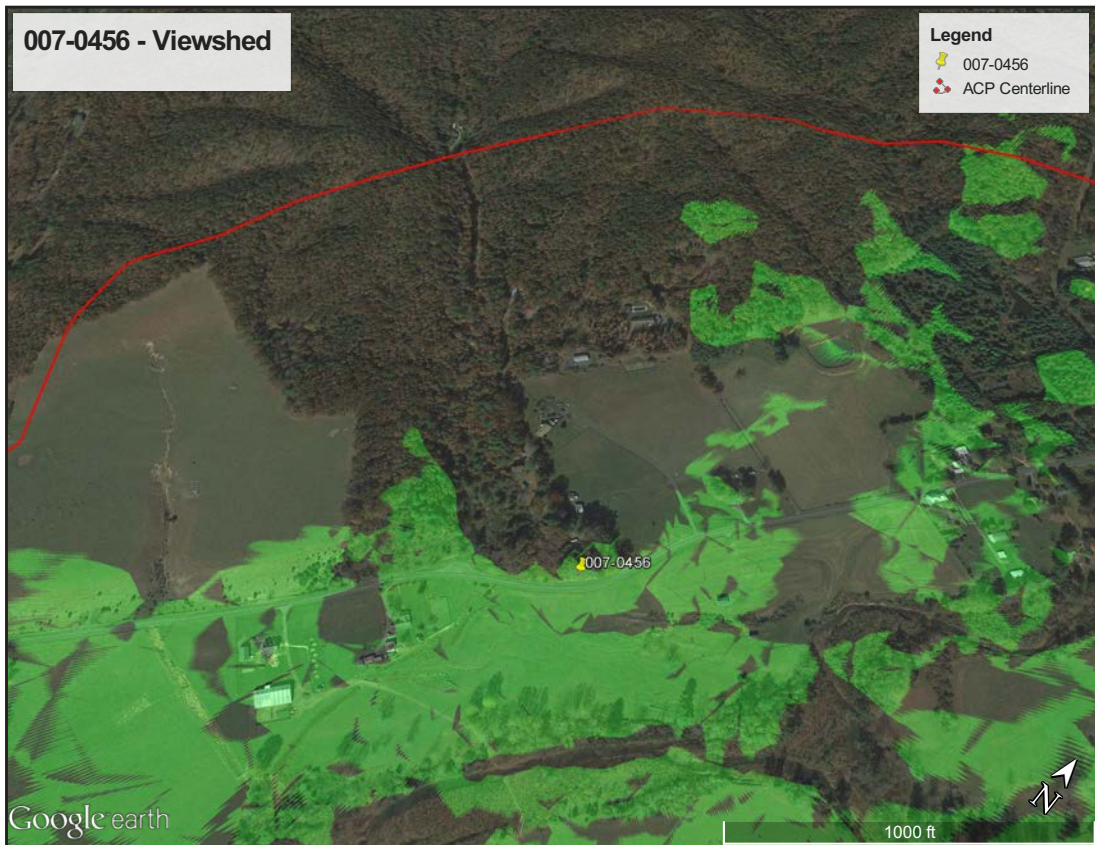


Figure 48. 007-0456 - Viewshed.



Figure 49. 007-0460 - USGS Quadrangle.

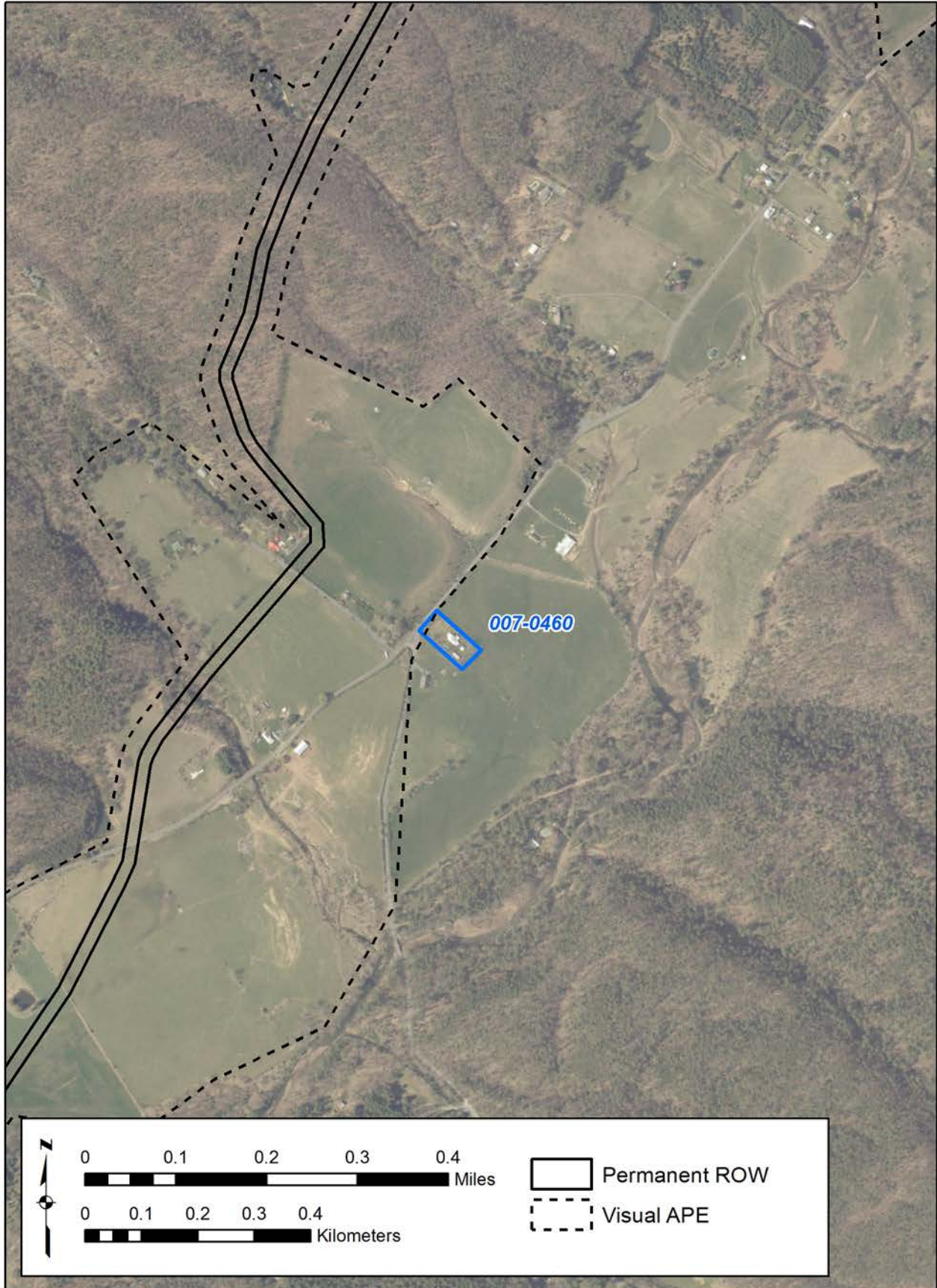


Figure 50. 007-0460 - Aerial.

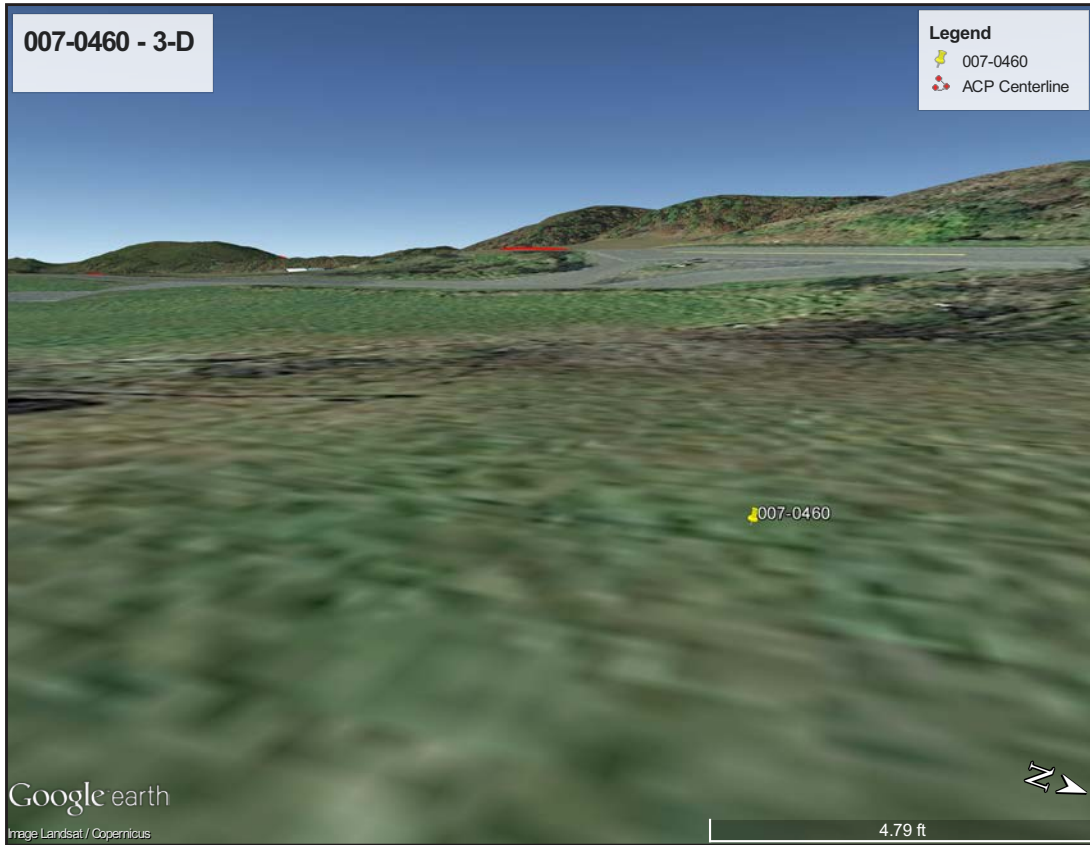


Figure 51. 007-0460 - 3-D View.

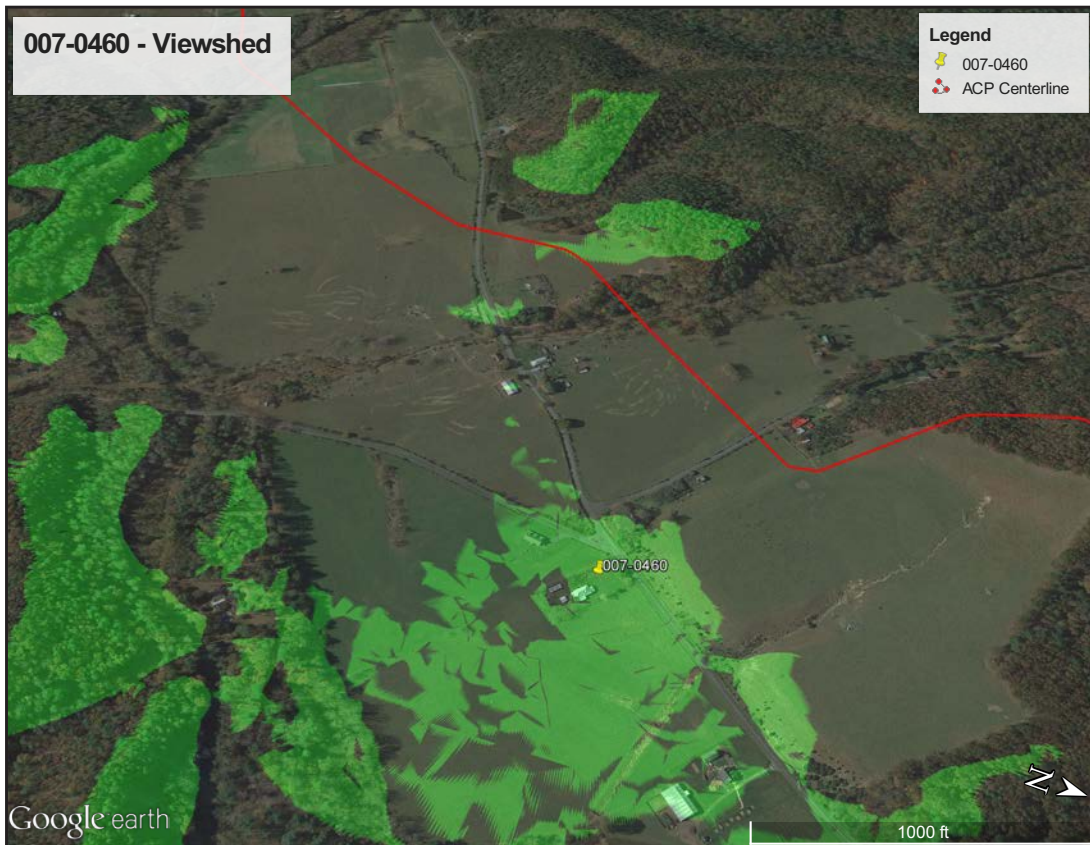


Figure 52. 007-0460 - Viewshed.



Figure 53. 007-0472 - USGS Quadrangle.



Figure 54. 007-0472 - Aerial.

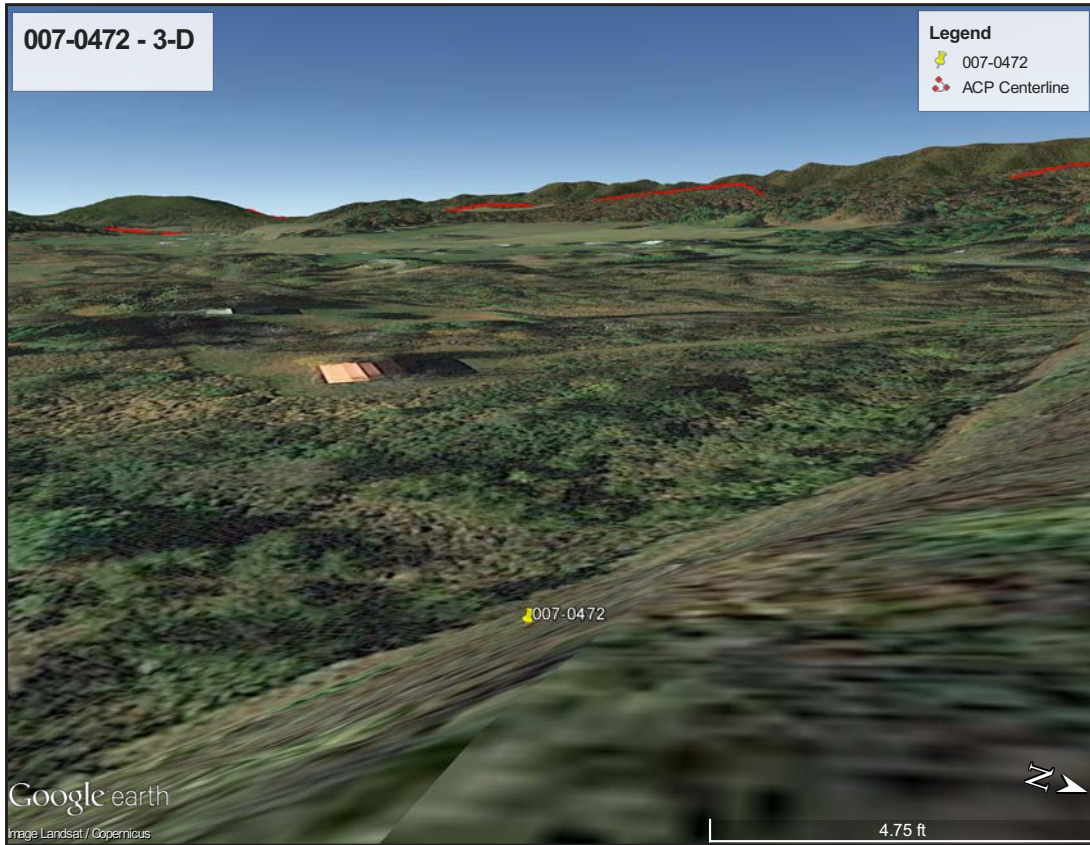


Figure 55. 007-0472 - 3-D View.

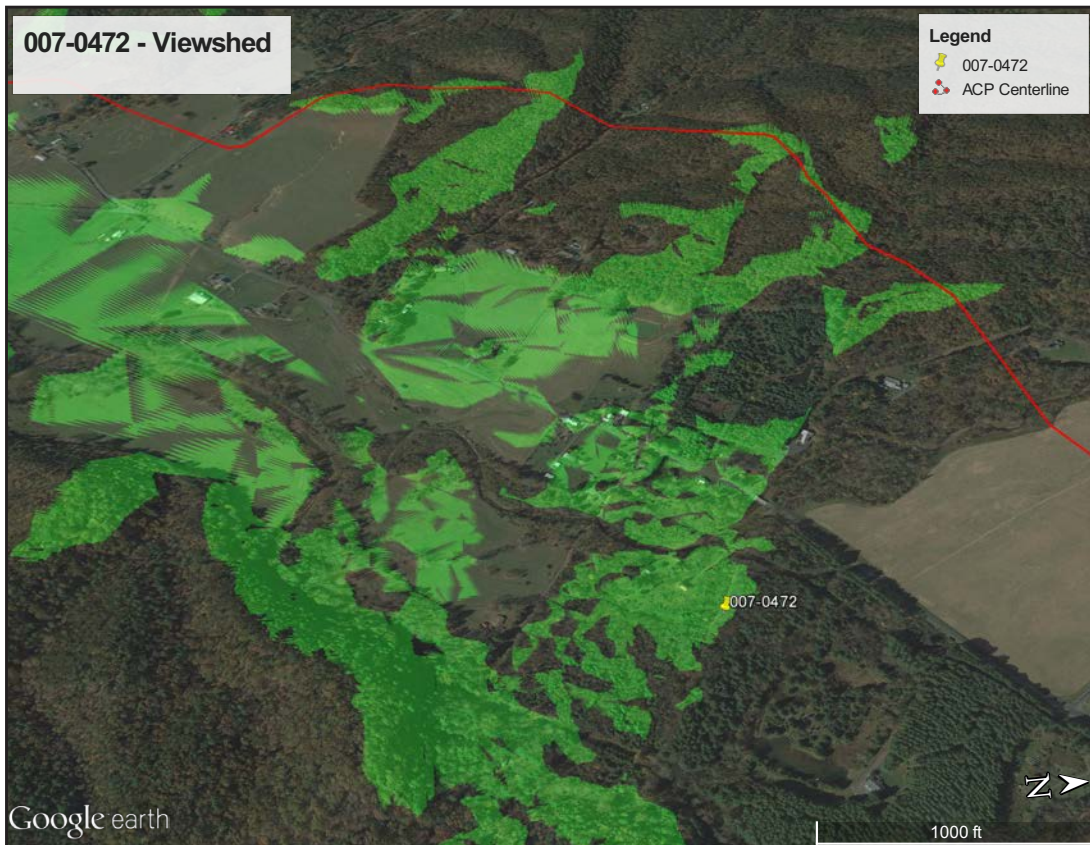


Figure 56. 007-0472 - Viewshed.

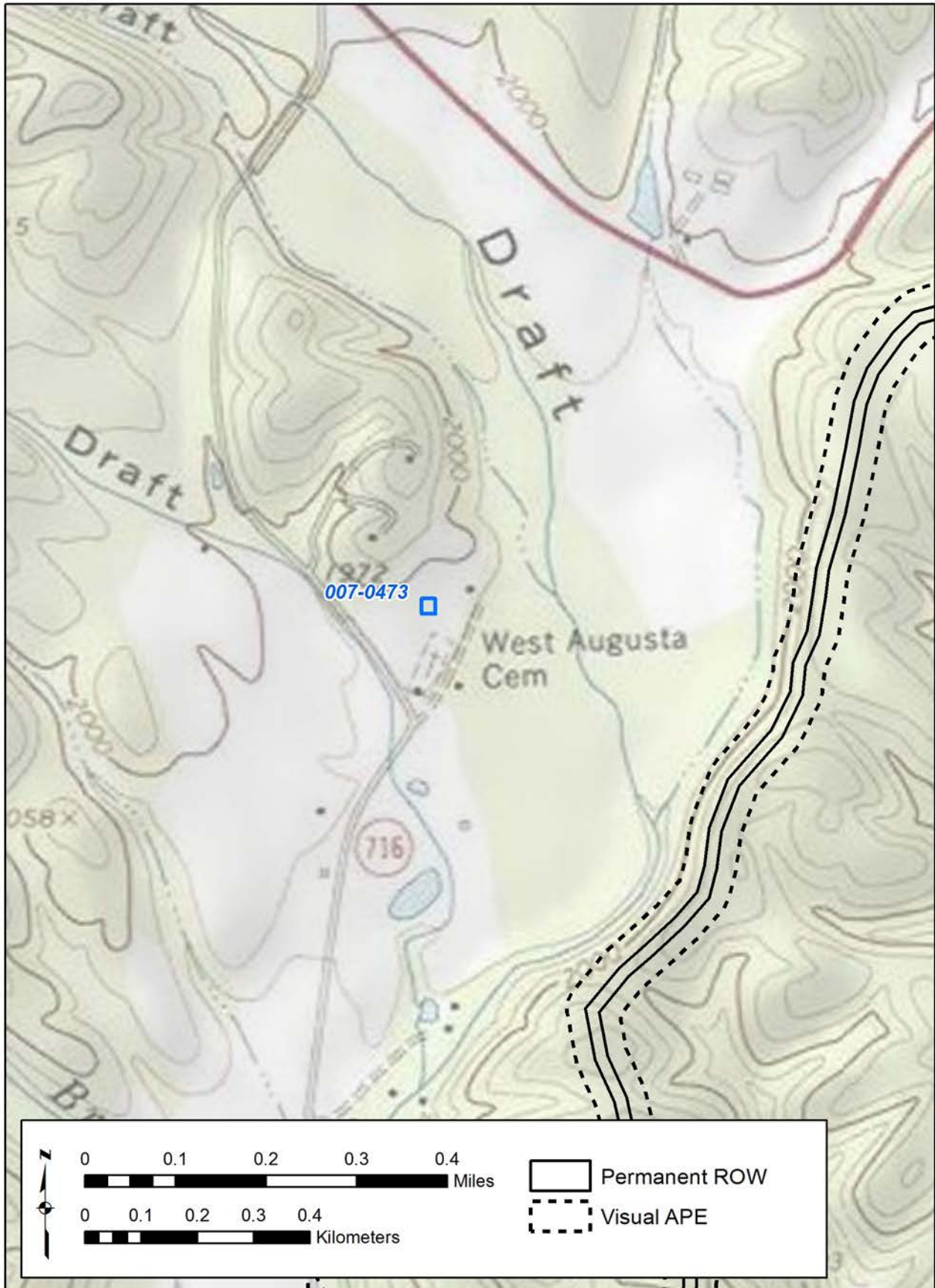


Figure 57. 007-0473 - USGS Quadrangle.



Figure 58. 007-0473 - Aerial.



Figure 59. 007-0473 - 3-D View.

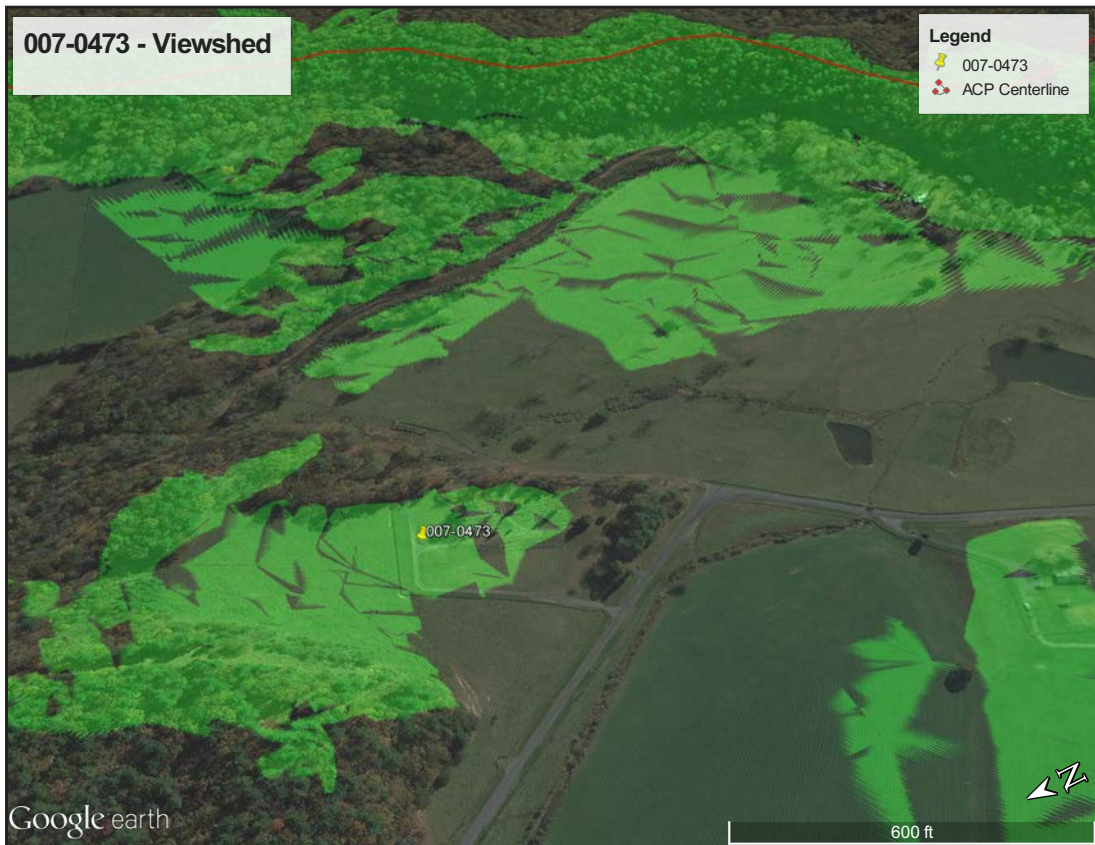


Figure 60. 007-04734 - Viewshed.

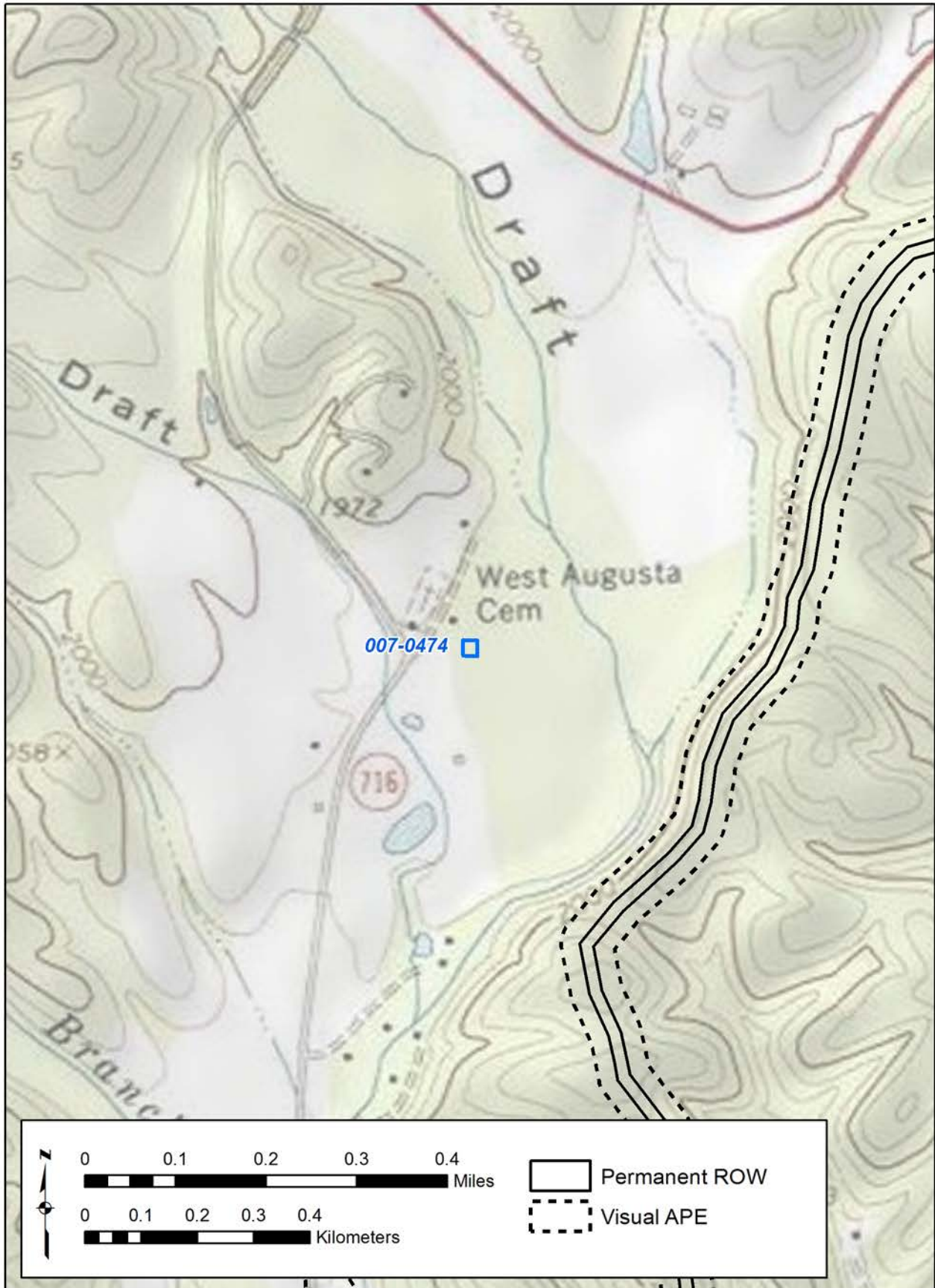


Figure 61. 007-0474 - USGS Quadrangle.



Figure 62. 007-0474 - Aerial.



Figure 63. 007-0474 - 3-D View.

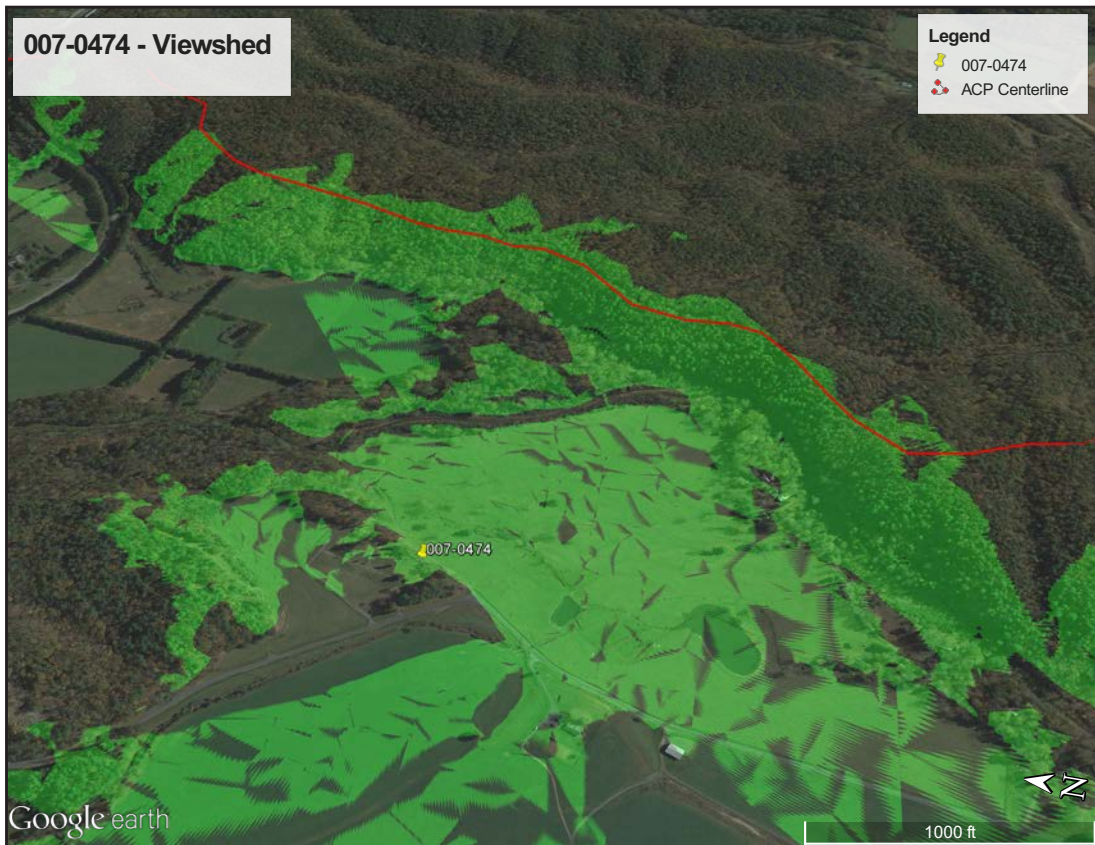


Figure 64. 007-0474 - Viewshed.

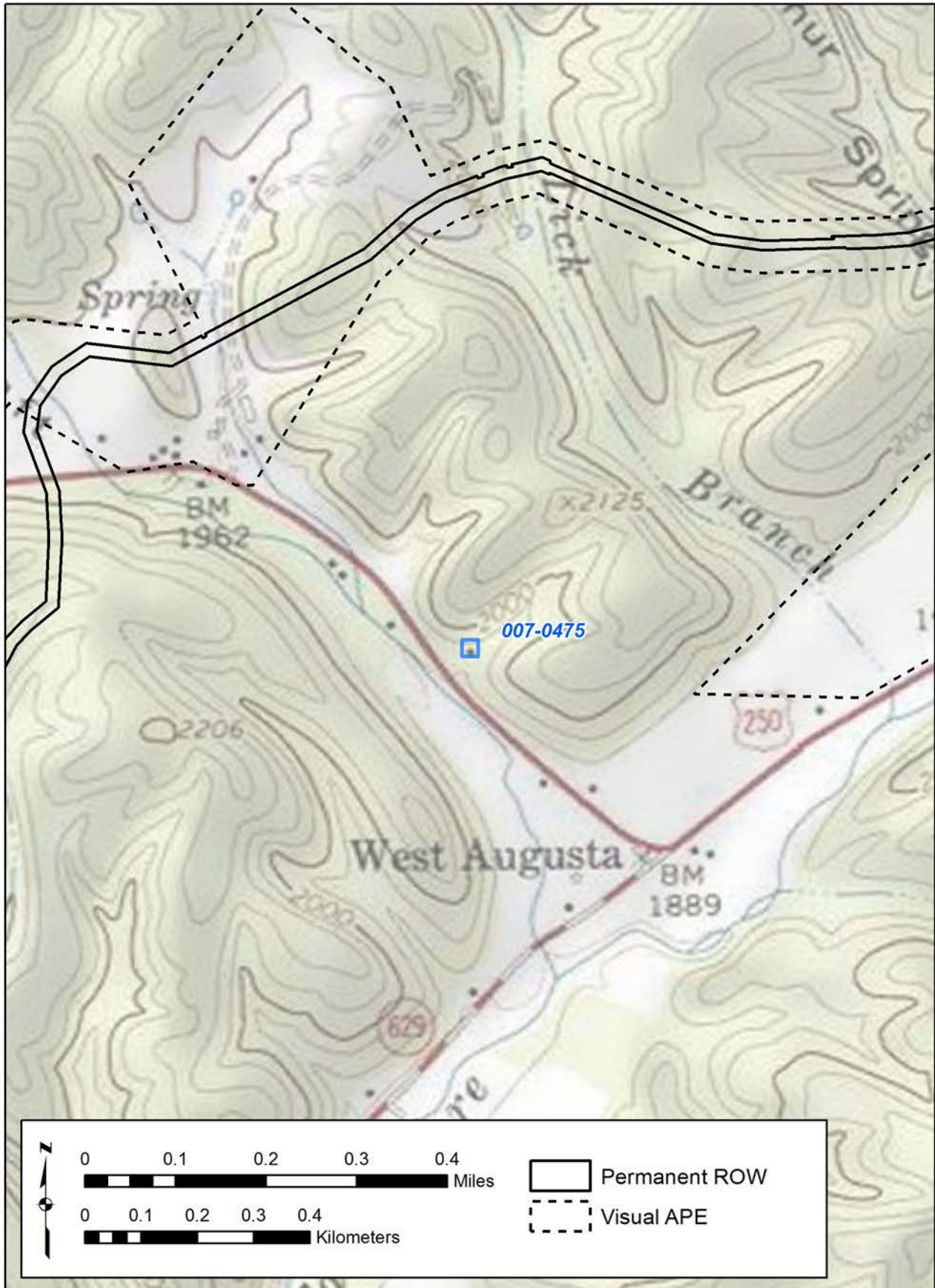


Figure 65. 007-0475 - USGS Quadrangle.



Figure 66. 007-0475 - Aerial.



Figure 67. 007-0475 - 3-D View.

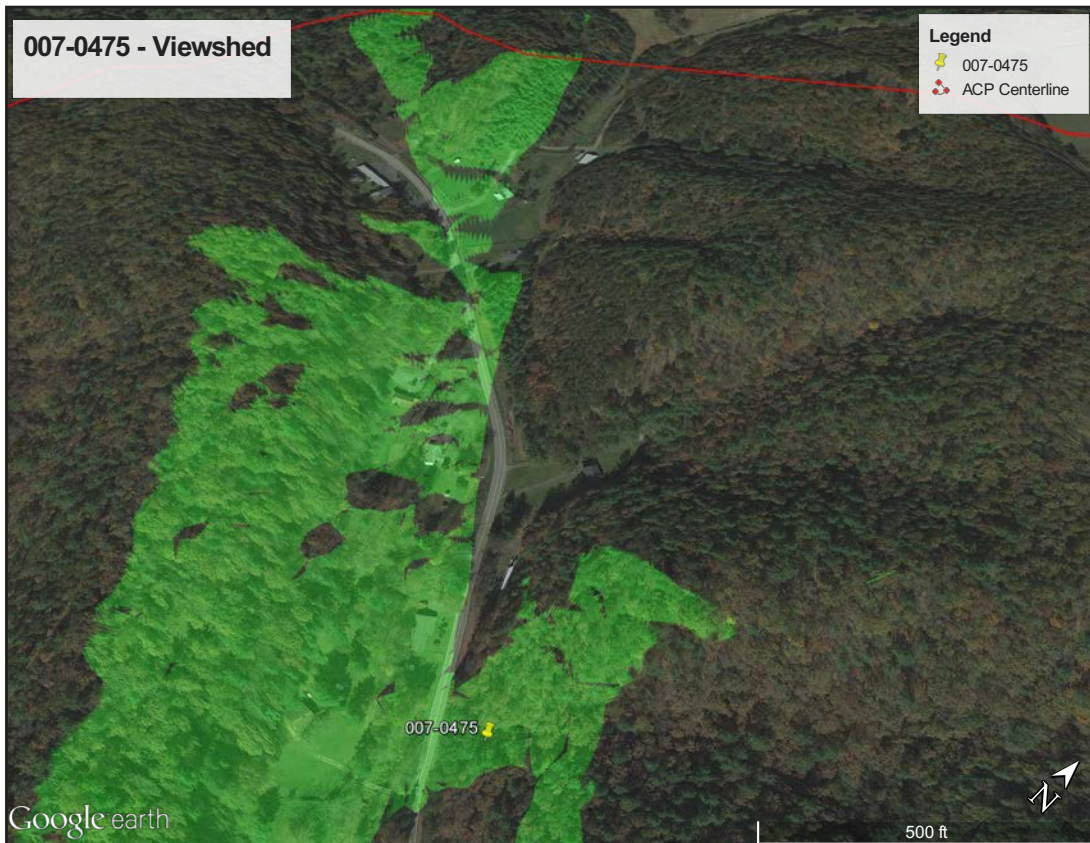


Figure 68. 007-0475 - Viewshed.



Figure 69. 007-0478 - USGS Quadrangle.

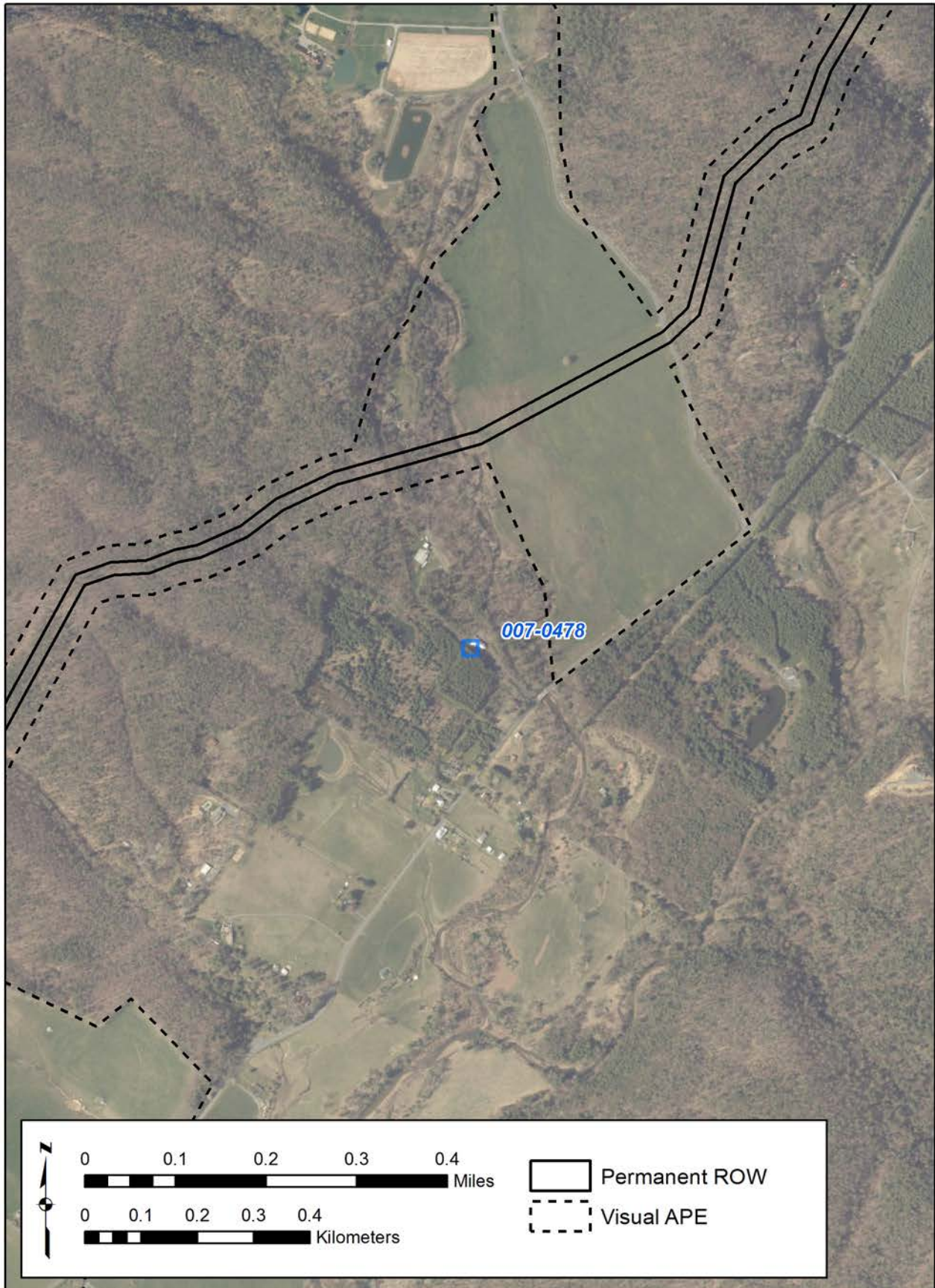


Figure 70. 007-0478 - Aerial.

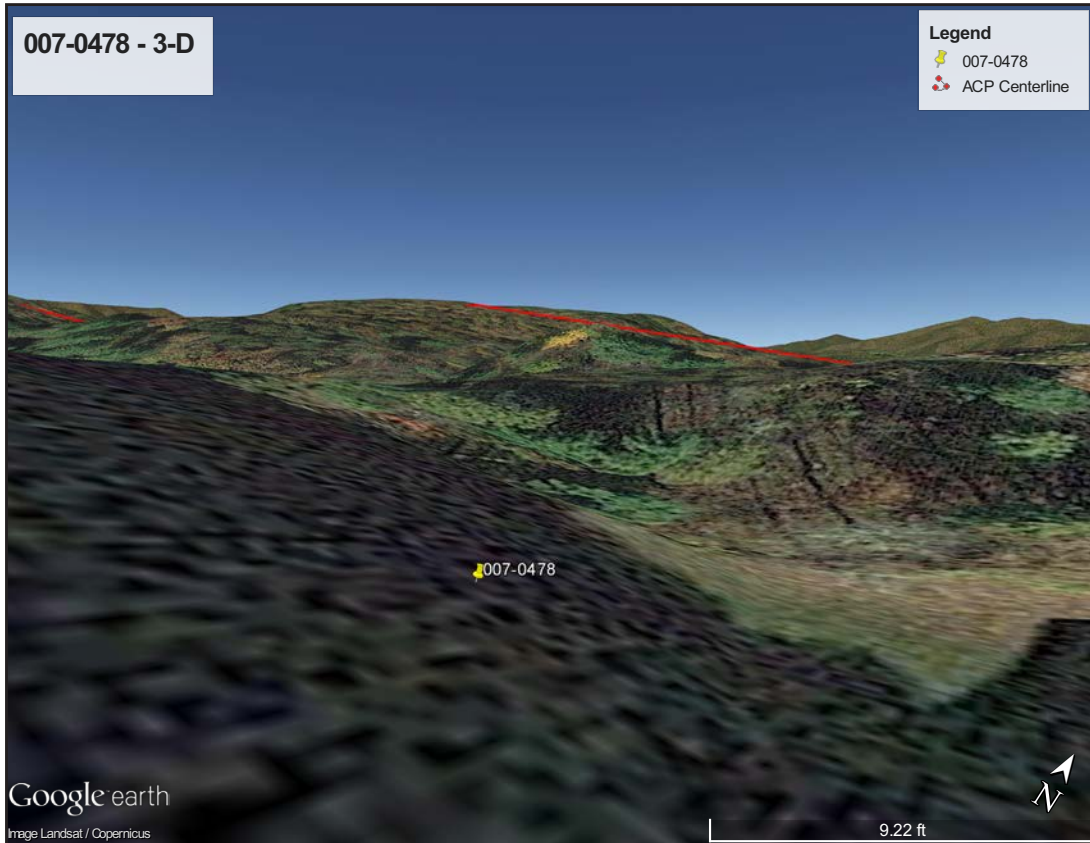


Figure 71. 007-0478 - 3-D View.



Figure 72. 007-0478 - Viewshed.

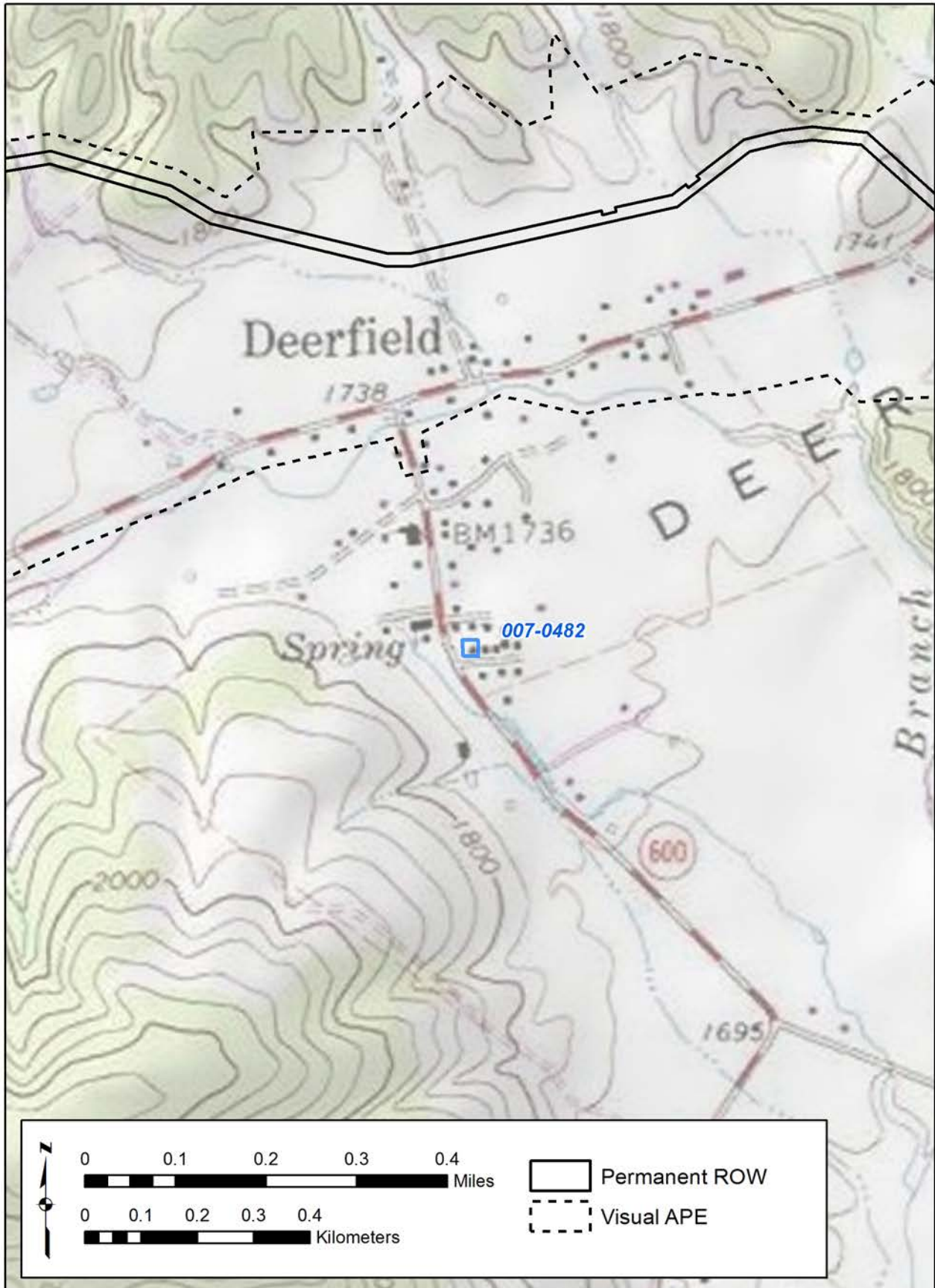


Figure 73. 007-0482 - USGS Quadrangle.



Figure 74. 007-0482 - Aerial.



Figure 75. 007-0482 - 3-D View.



Figure 76. 007-0482 - Viewshed.

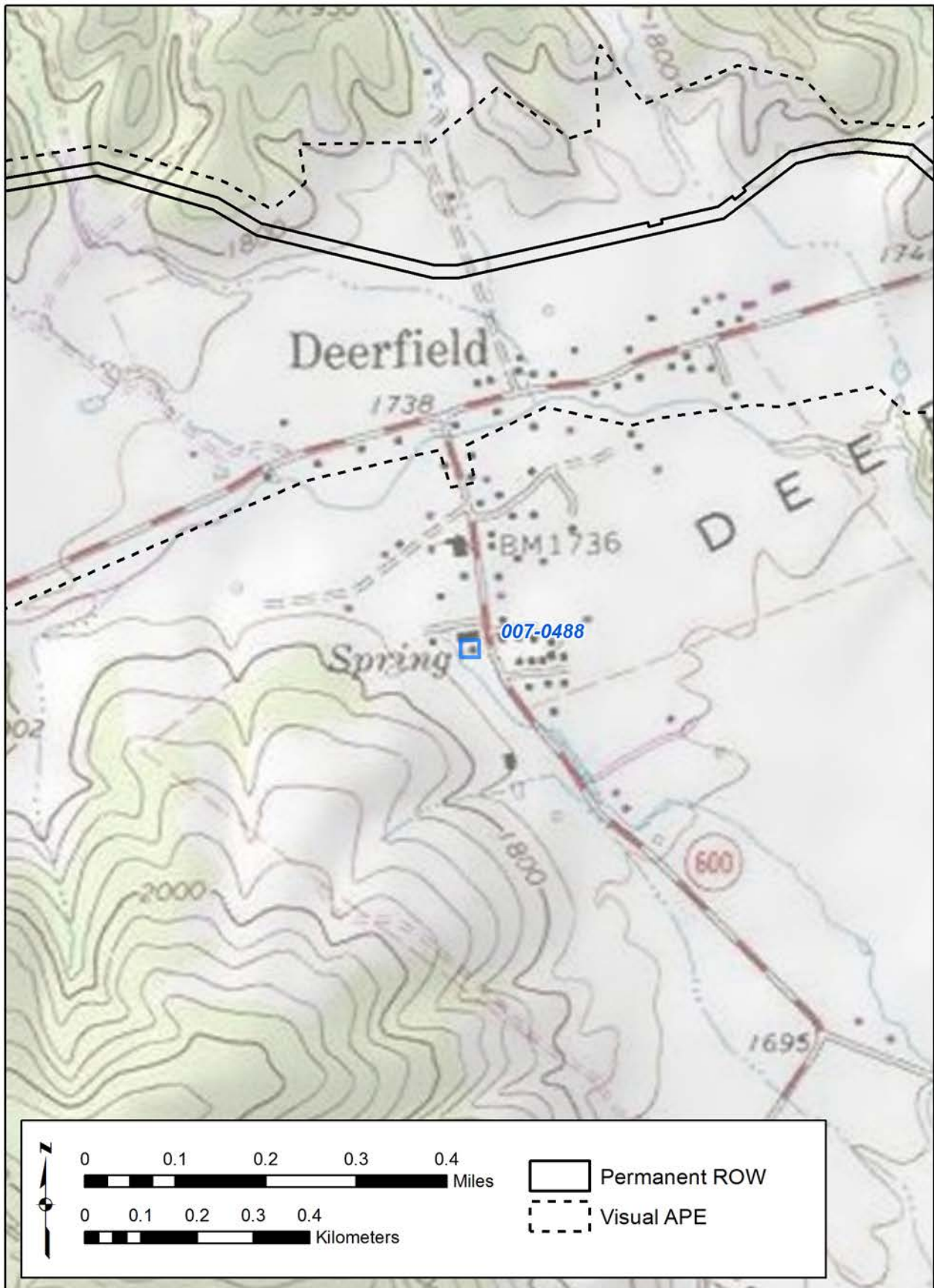


Figure 77. 007-0488 - USGS Quadrangle.



Figure 78. 007-0488 - Aerial.

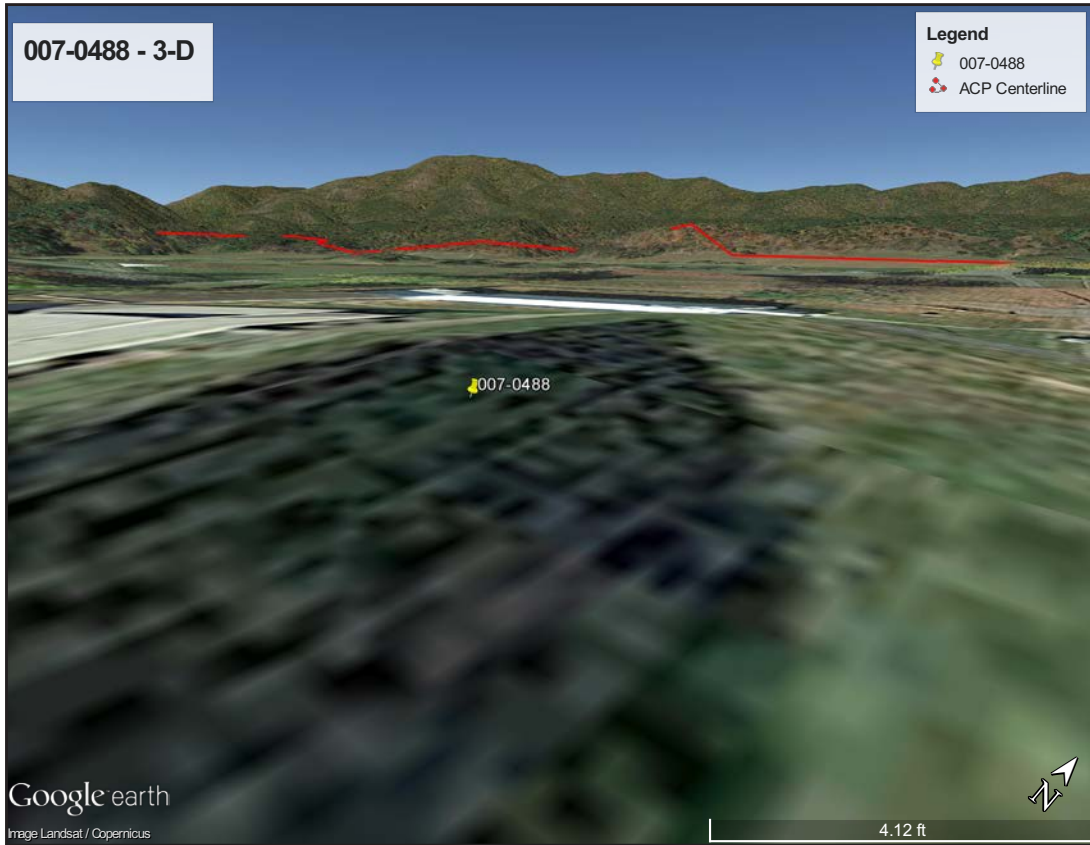


Figure 79. 007-0488 - 3-D View.

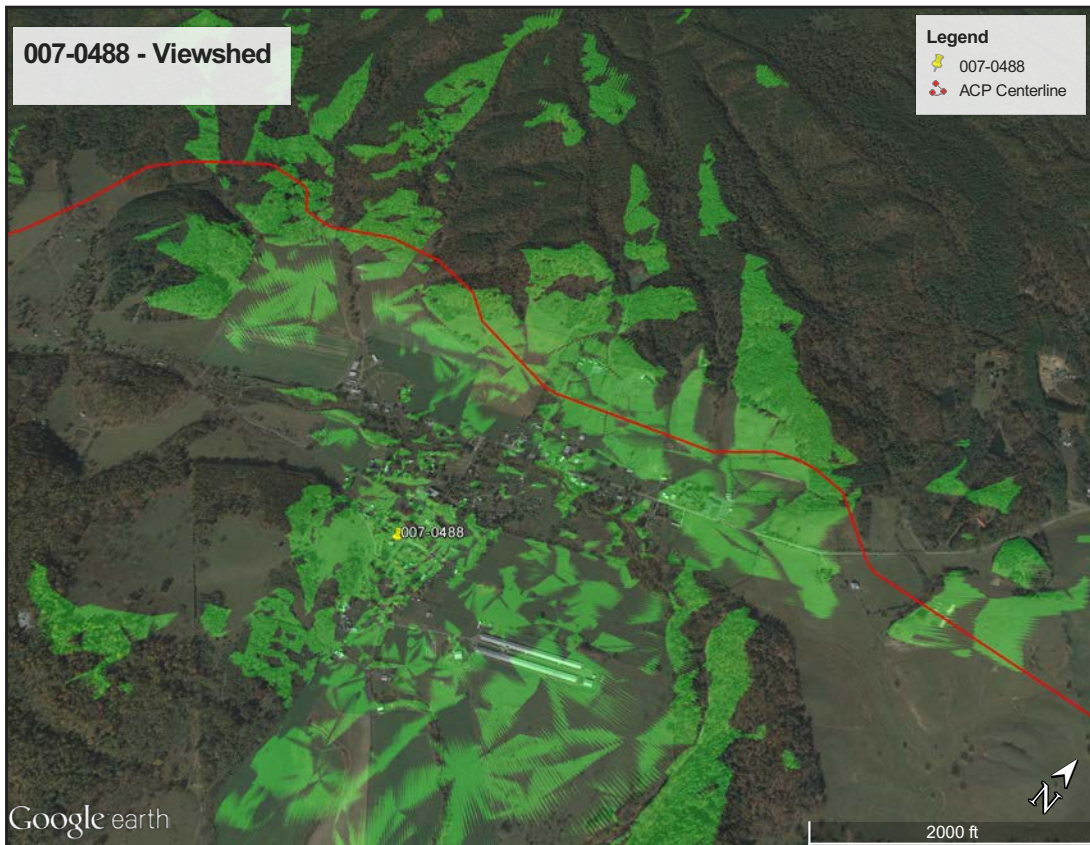


Figure 80. 007-0488 - Viewshed.

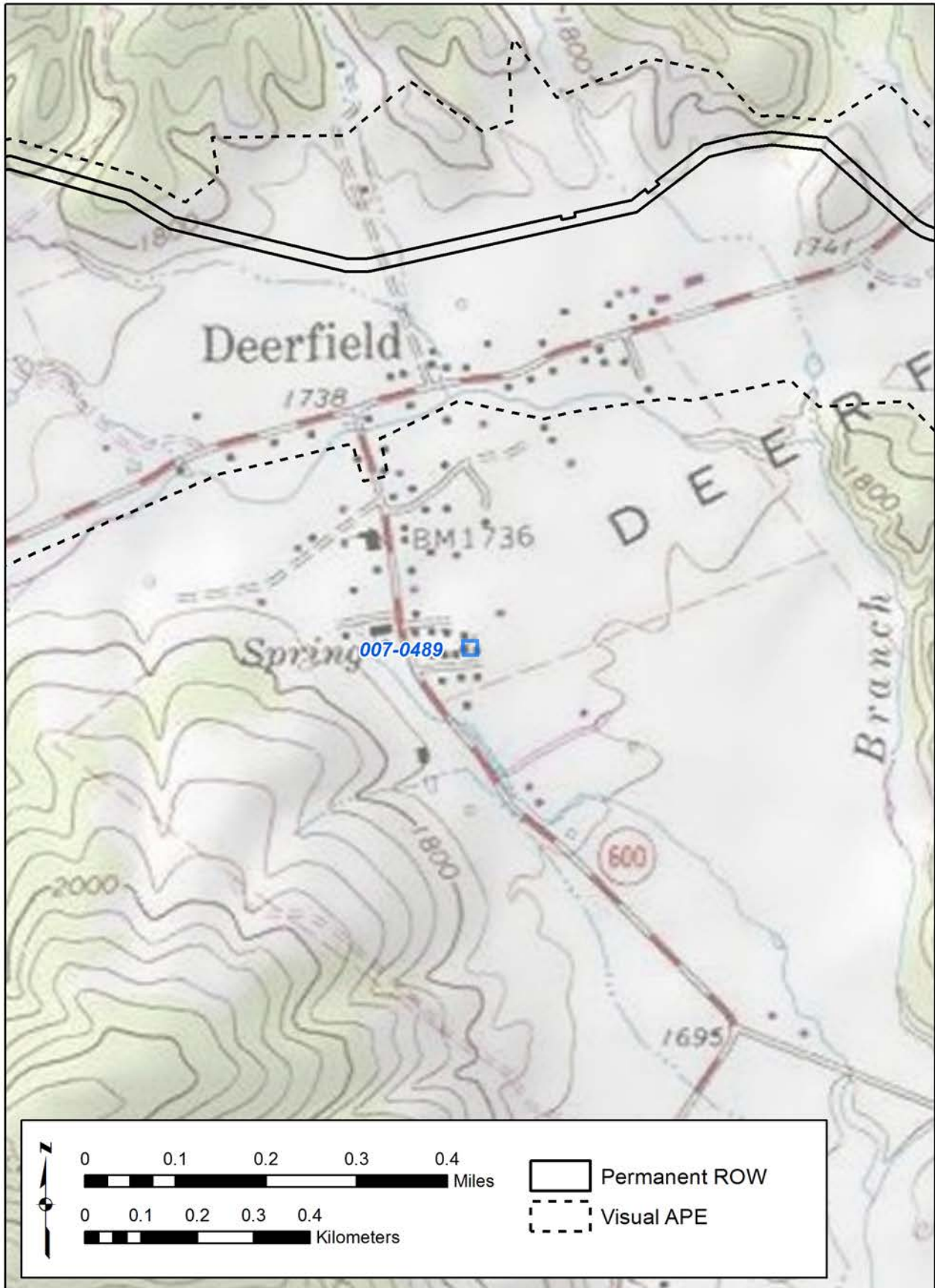


Figure 81. 007-0489 - USGS Quadrangle.



Figure 82. 007-0489 - Aerial.

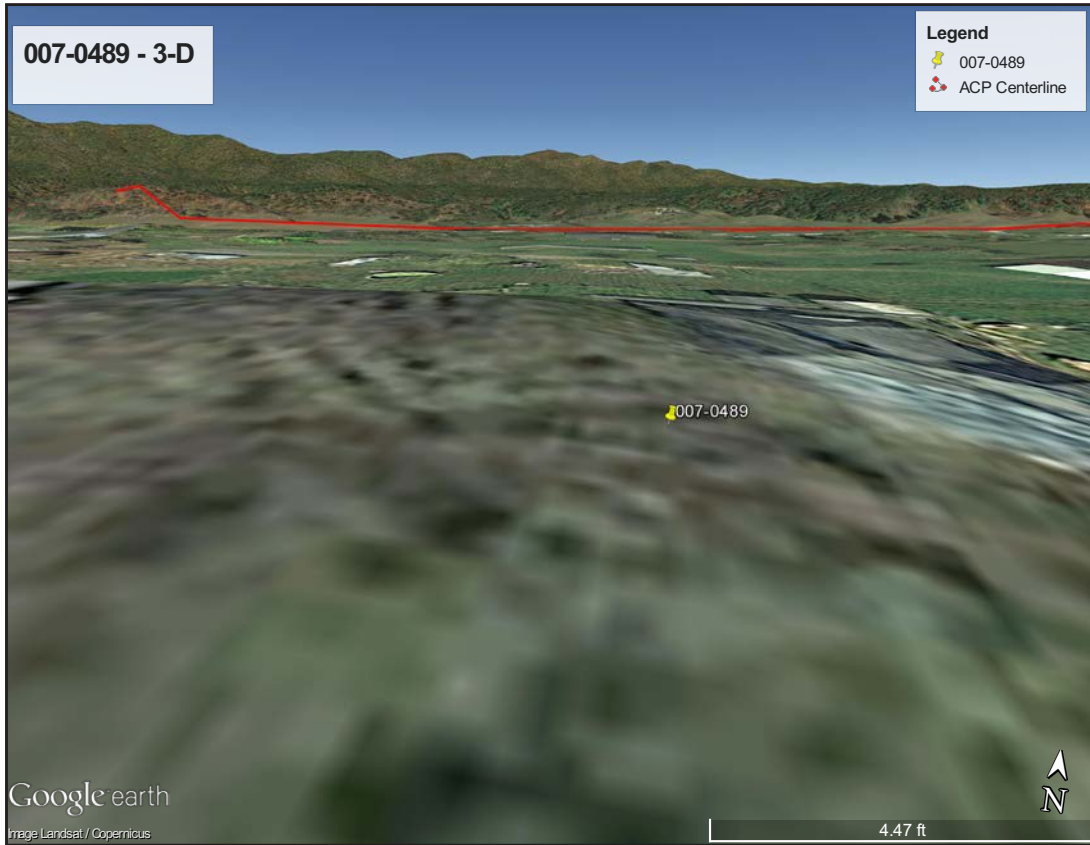


Figure 83. 007-0489 - 3-D View.

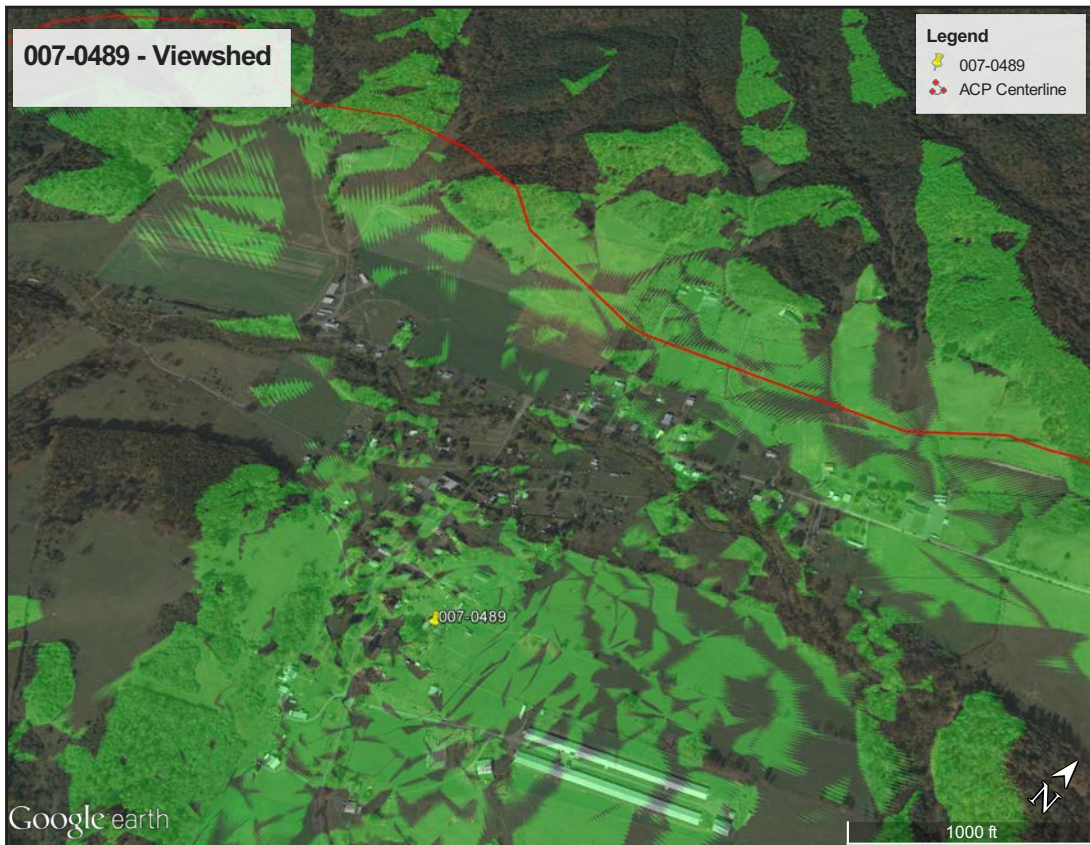


Figure 84. 007-0489 - Viewshed.

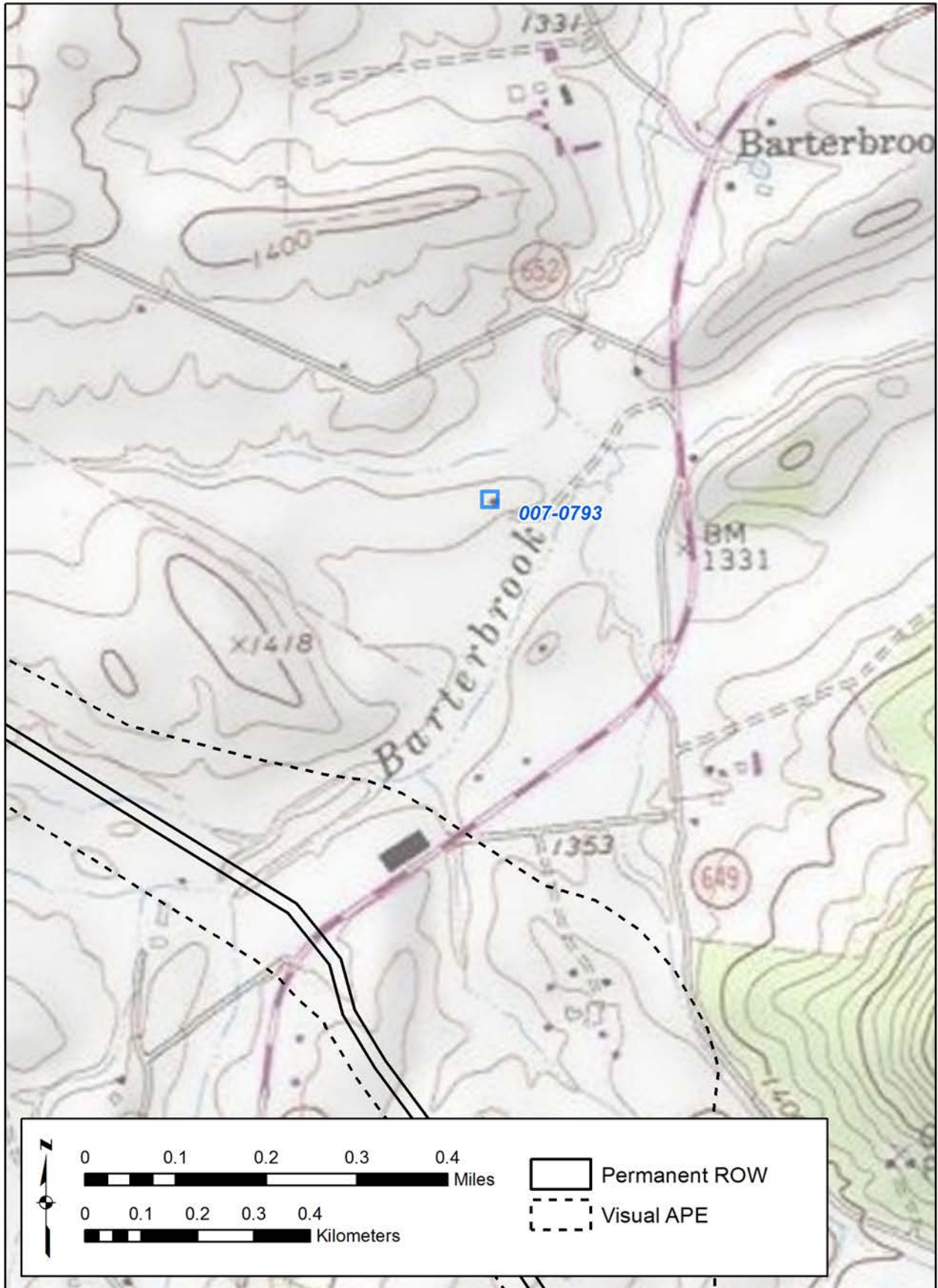


Figure 85. 007-0793 - USGS Quadrangle.



Figure 86. 007-0793 - Aerial.

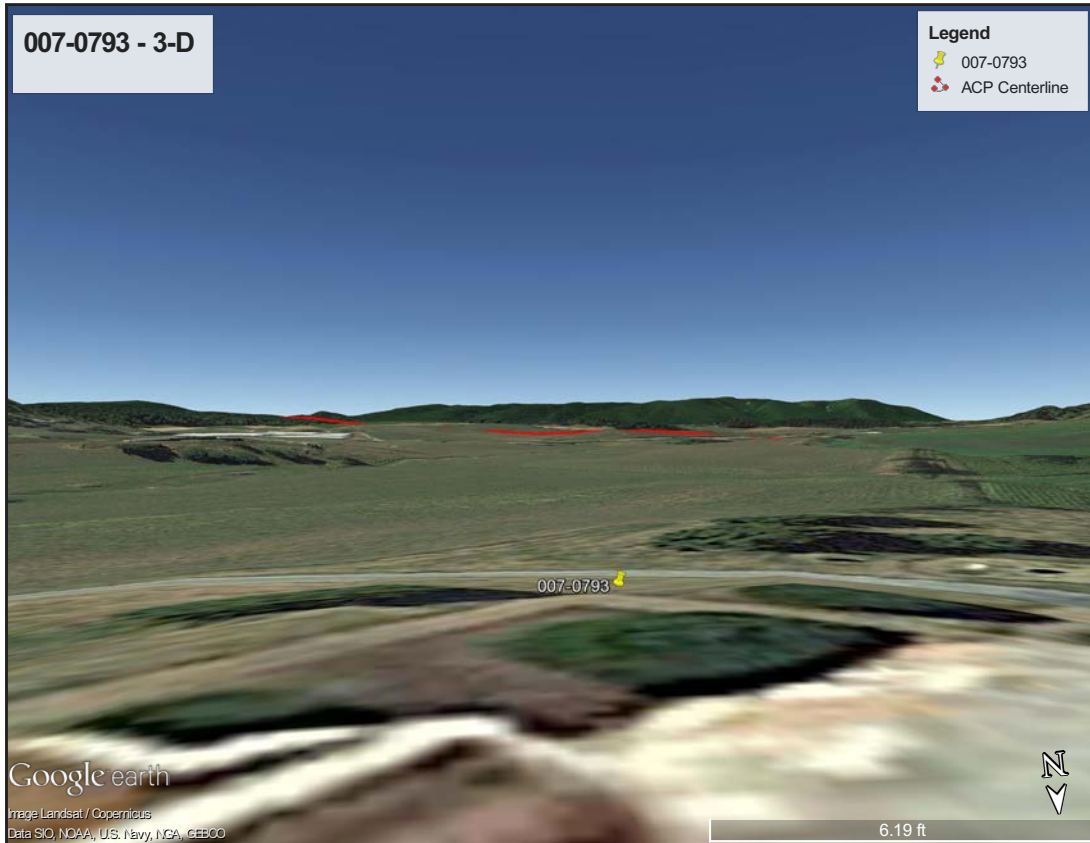


Figure 87. 007-0793 - 3-D View.



Figure 88. 007-0793 - Viewshed.

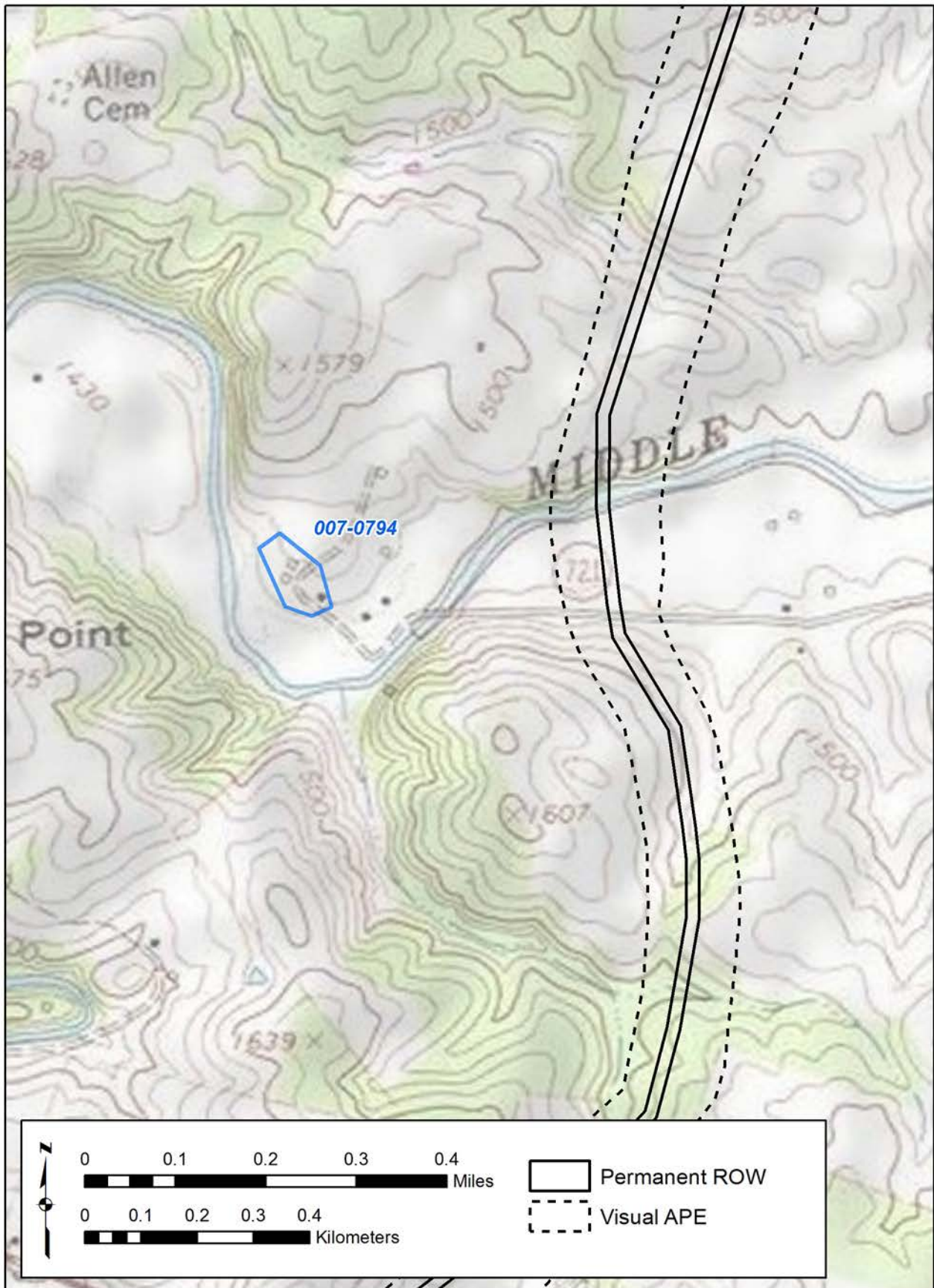


Figure 89. 007-0794 - USGS Quadrangle.



Figure 90. 007-0794 - Aerial.

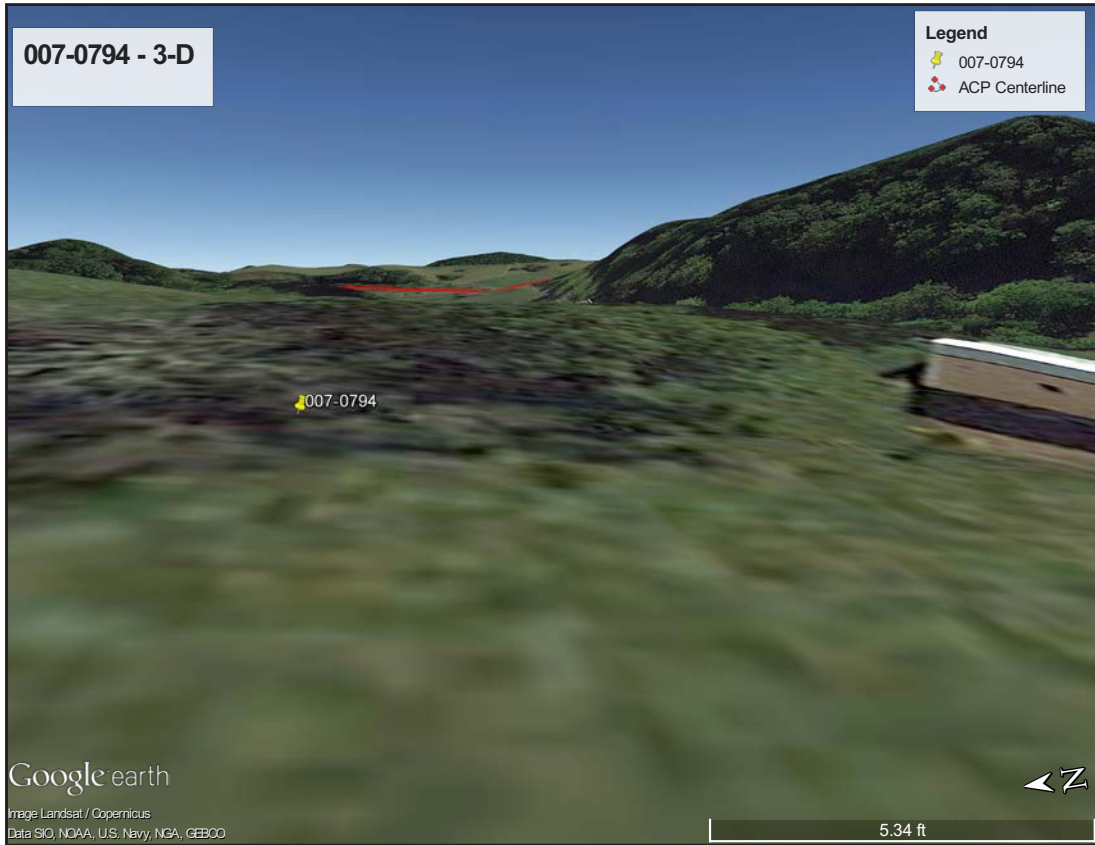


Figure 91. 007-0794 - 3-D View.

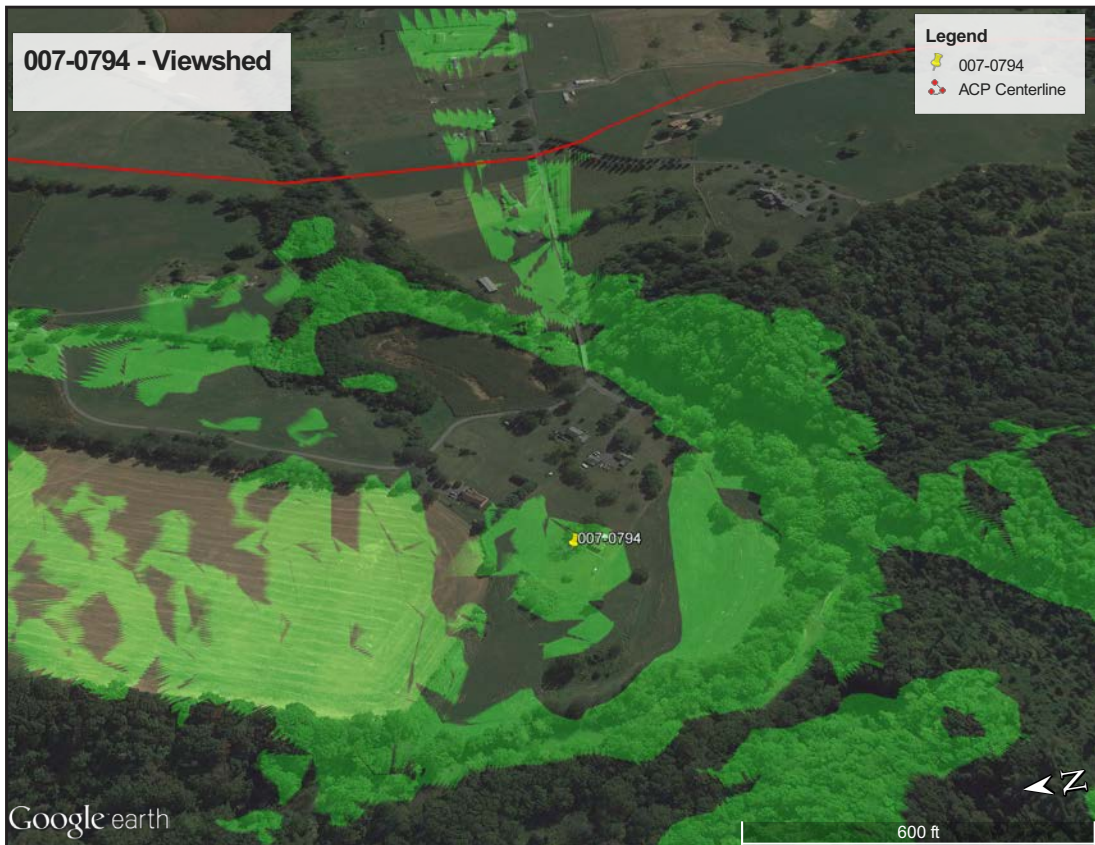


Figure 92. 007-0794 - Viewshed.

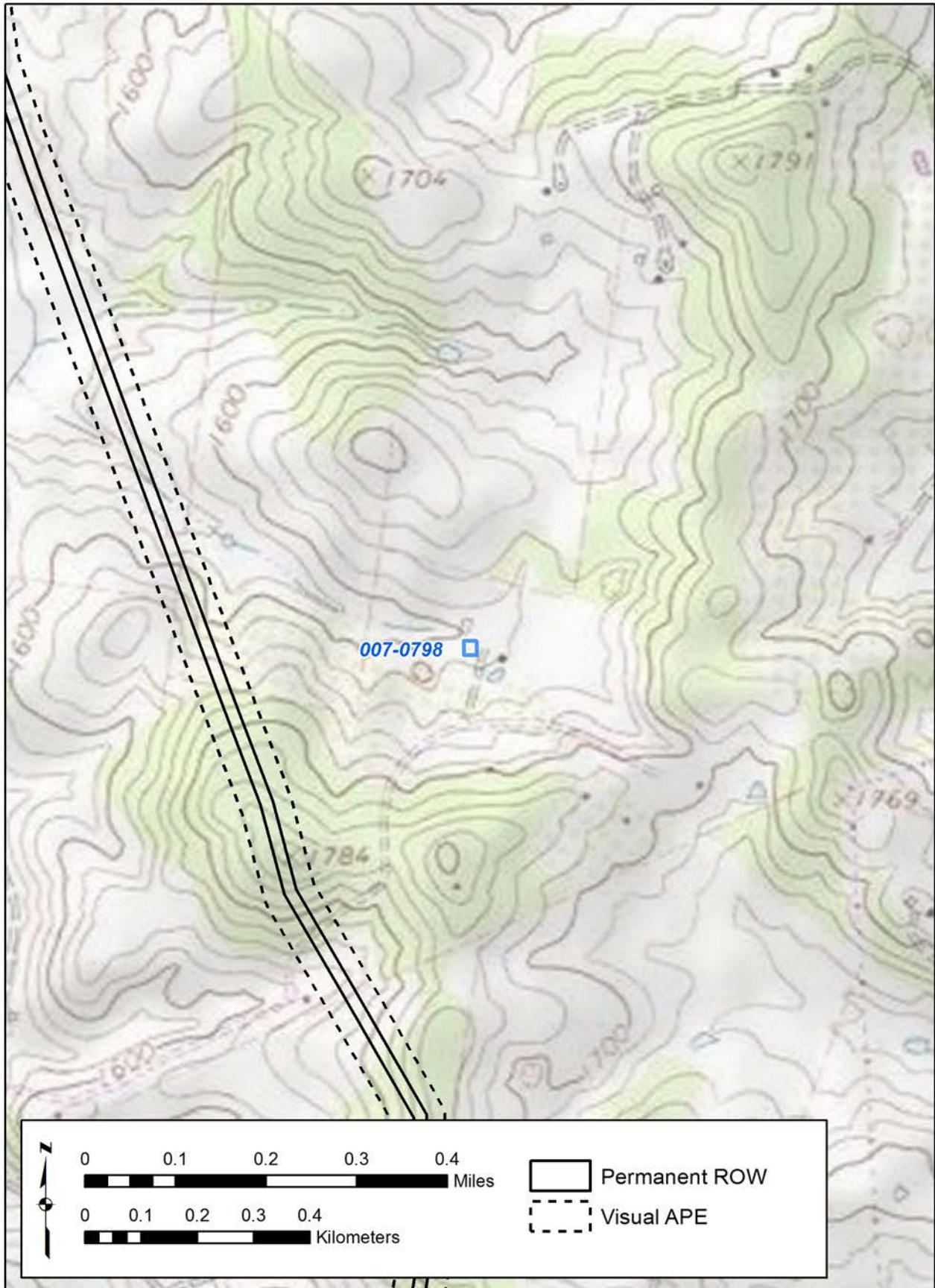


Figure 93. 007-0798 - USGS Quadrangle.

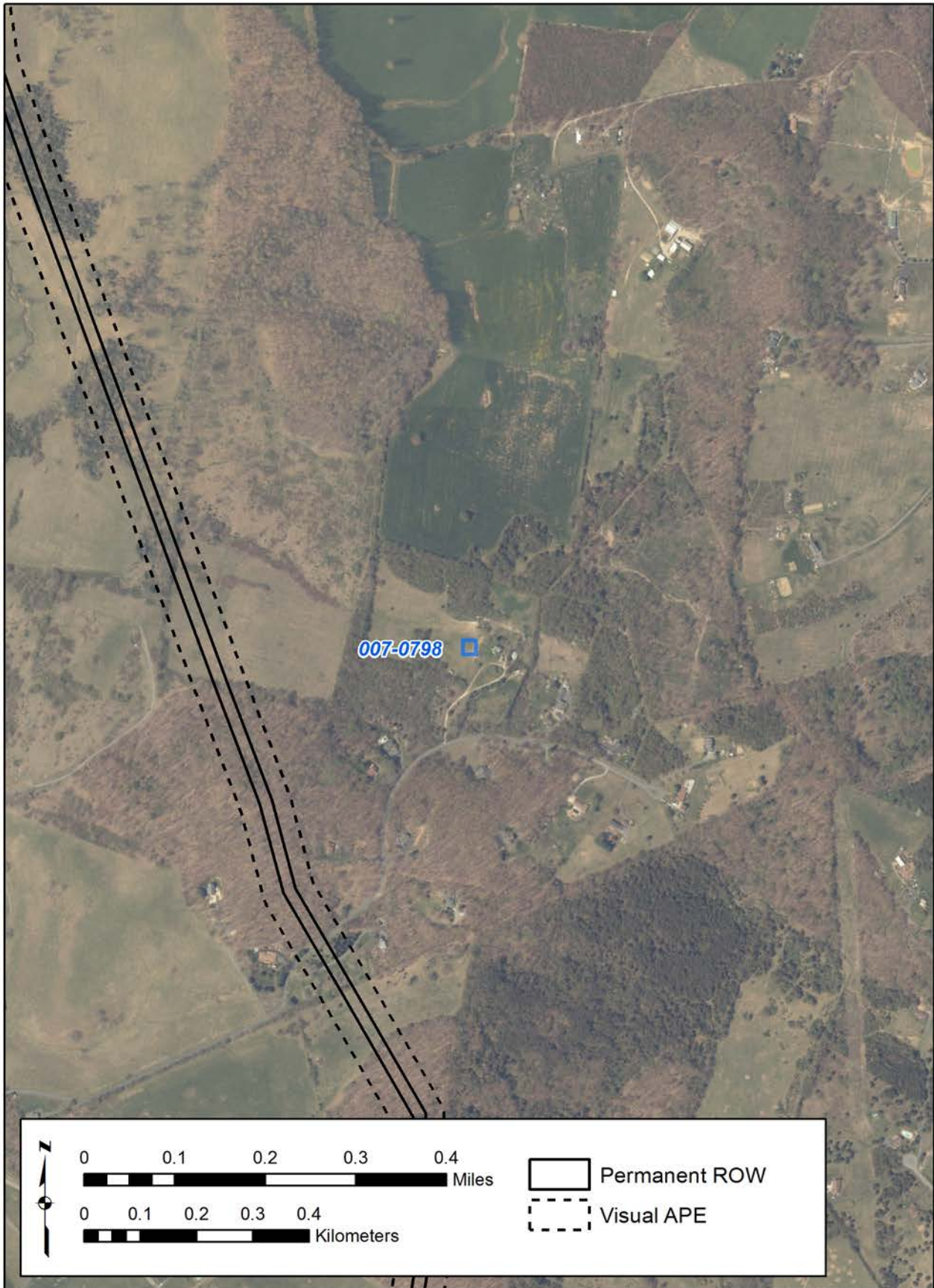


Figure 94. 007-0798 - Aerial.



Figure 95. 007-0798 - 3-D View.



Figure 96. 007-0798 - Viewshed.

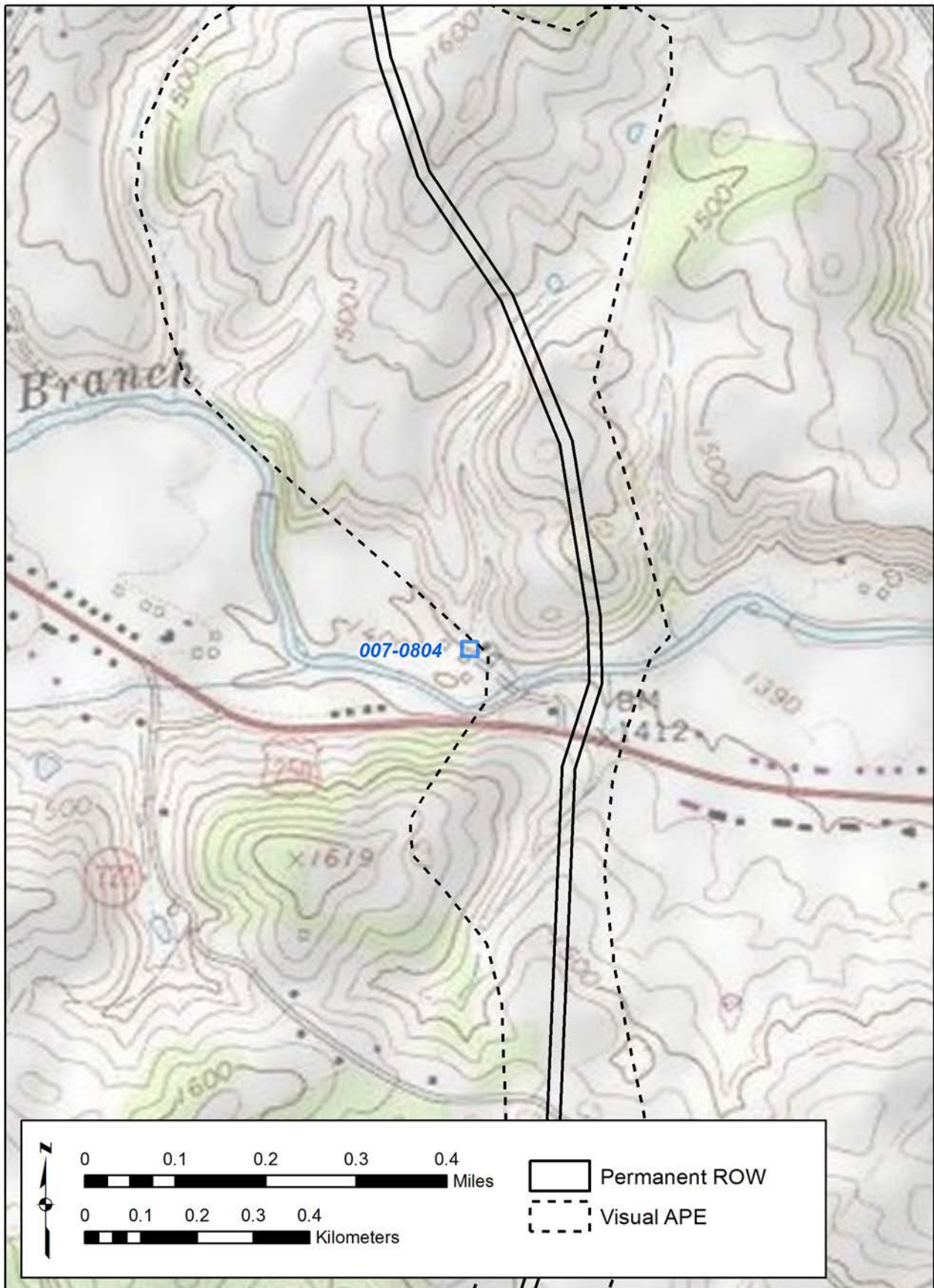


Figure 97. 007-0804 - USGS Quadrangle.



Figure 98. 007-0804 - Aerial.



Figure 99. 007-0804 - 3-D View.



Figure 100. 007-0804 - Viewshed.



Figure 101. 007-0870 - USGS Quadrangle.

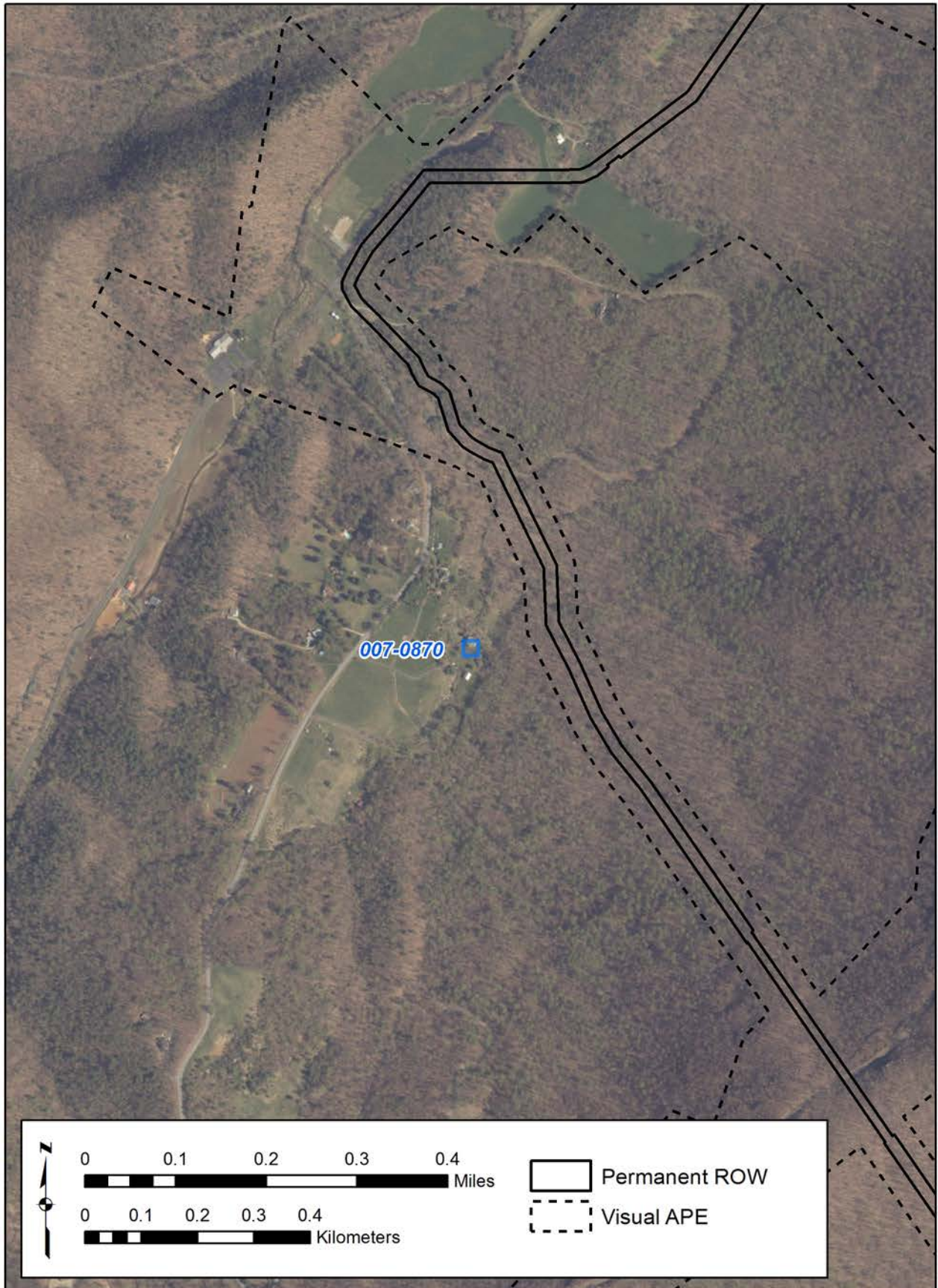


Figure 102. 007-0870 - Aerial.

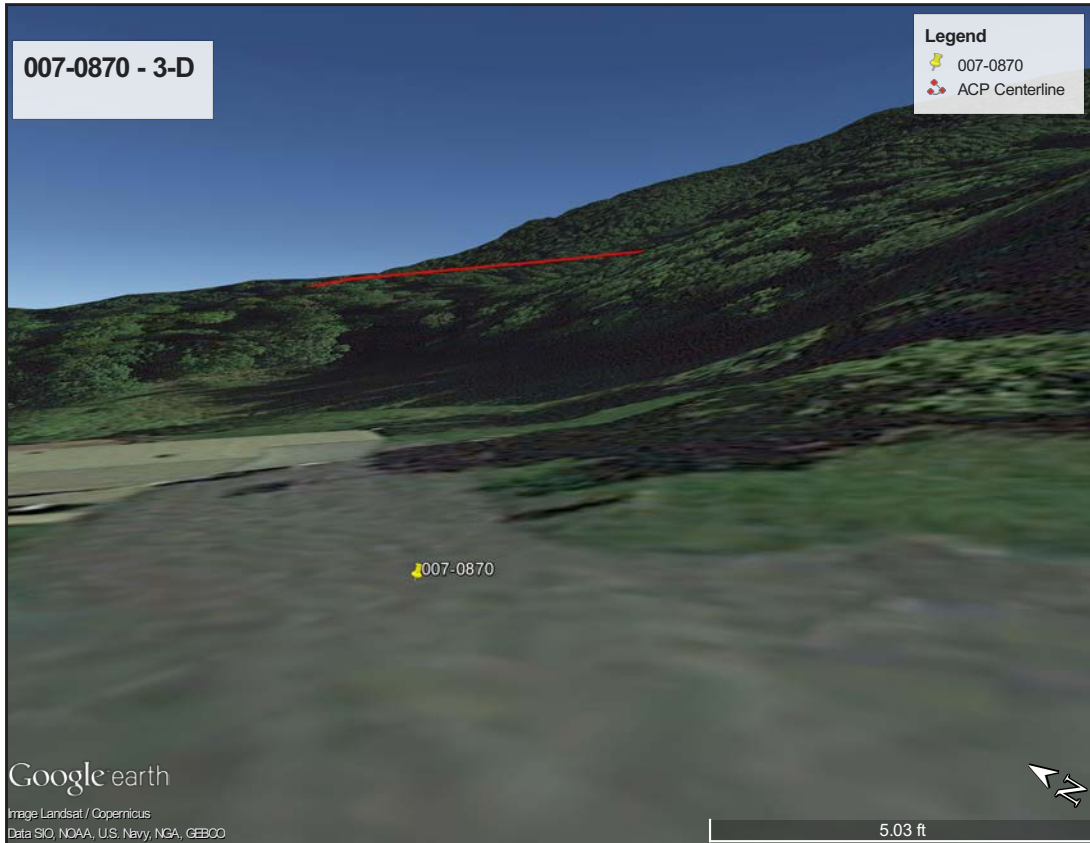


Figure 103. 007-0870 - 3-D View.

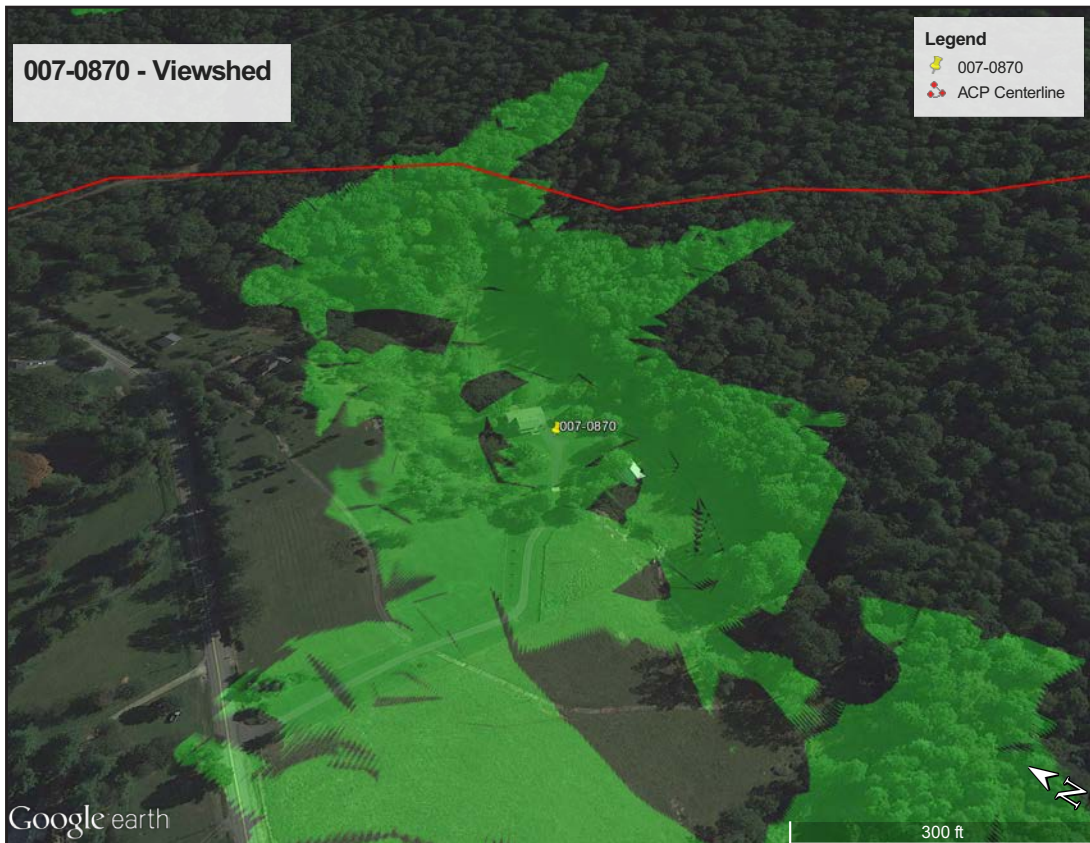


Figure 104. 007-0870 - Viewshed.



Figure 105. 007-0871 - USGS Quadrangle.



Figure 106. 007-0871 - Aerial.

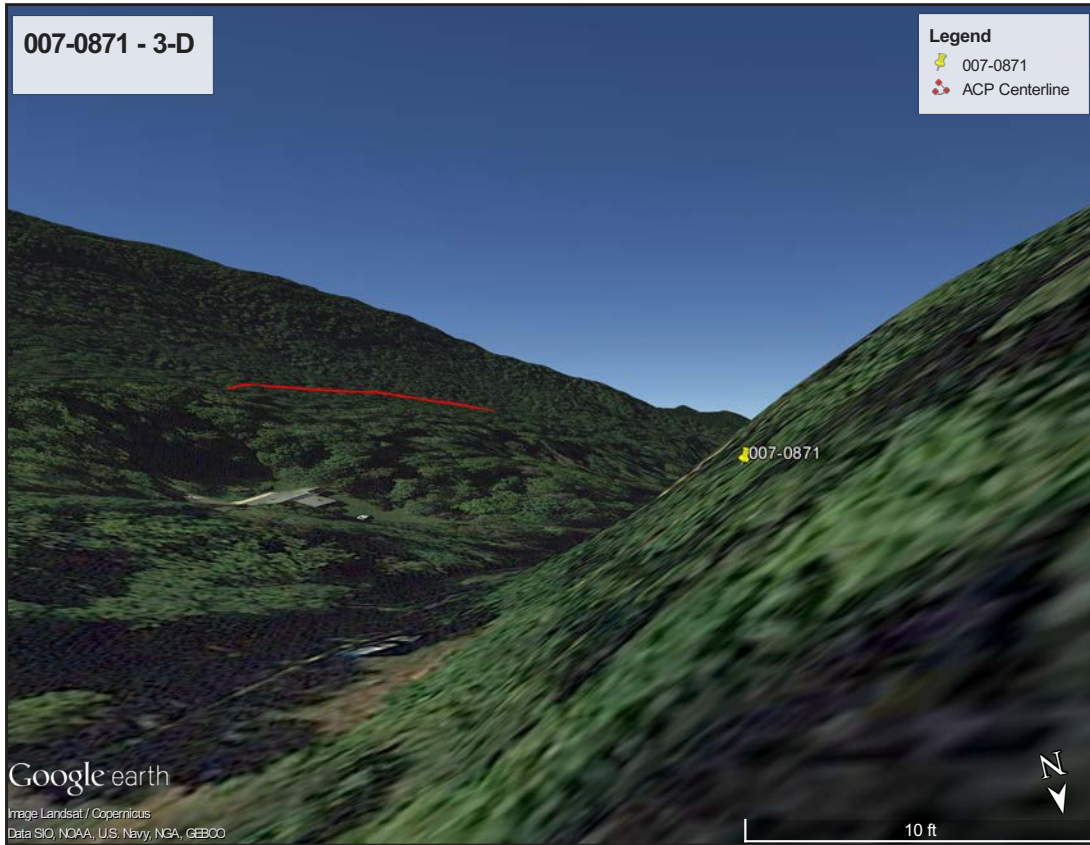


Figure 107. 007-0871 - 3-D View.

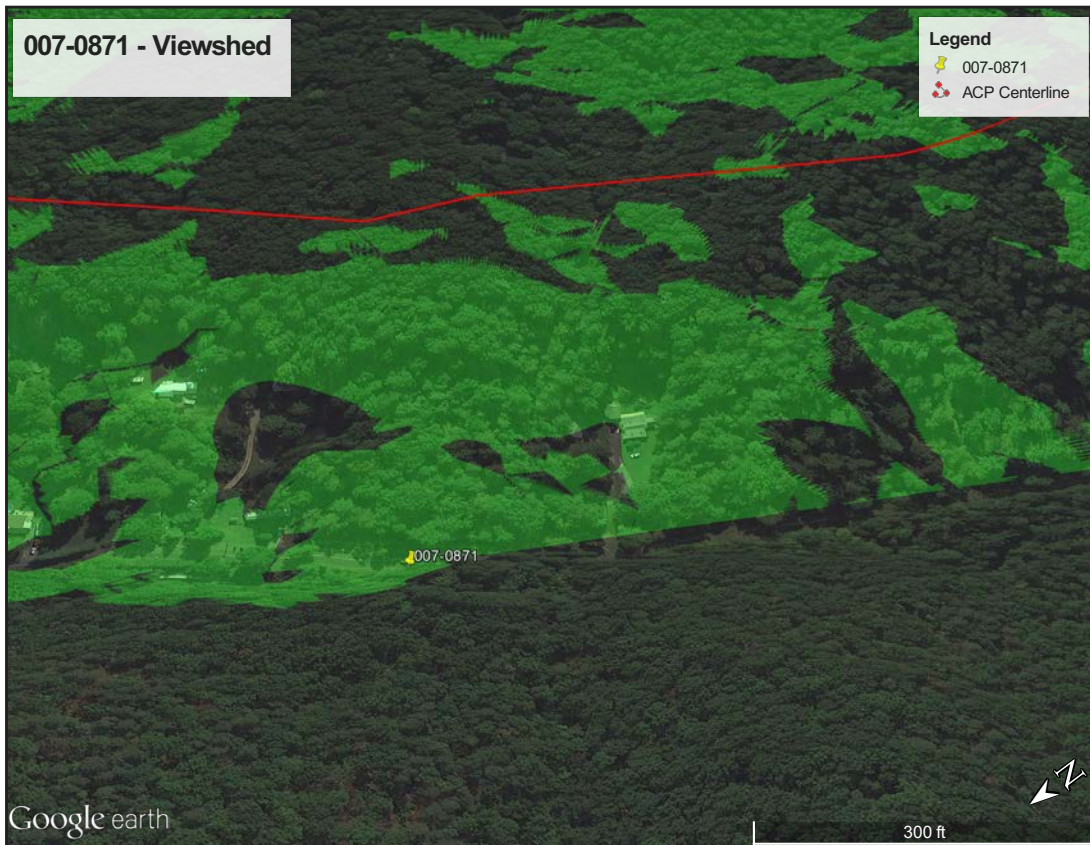


Figure 108. 007-0871 - Viewshed.

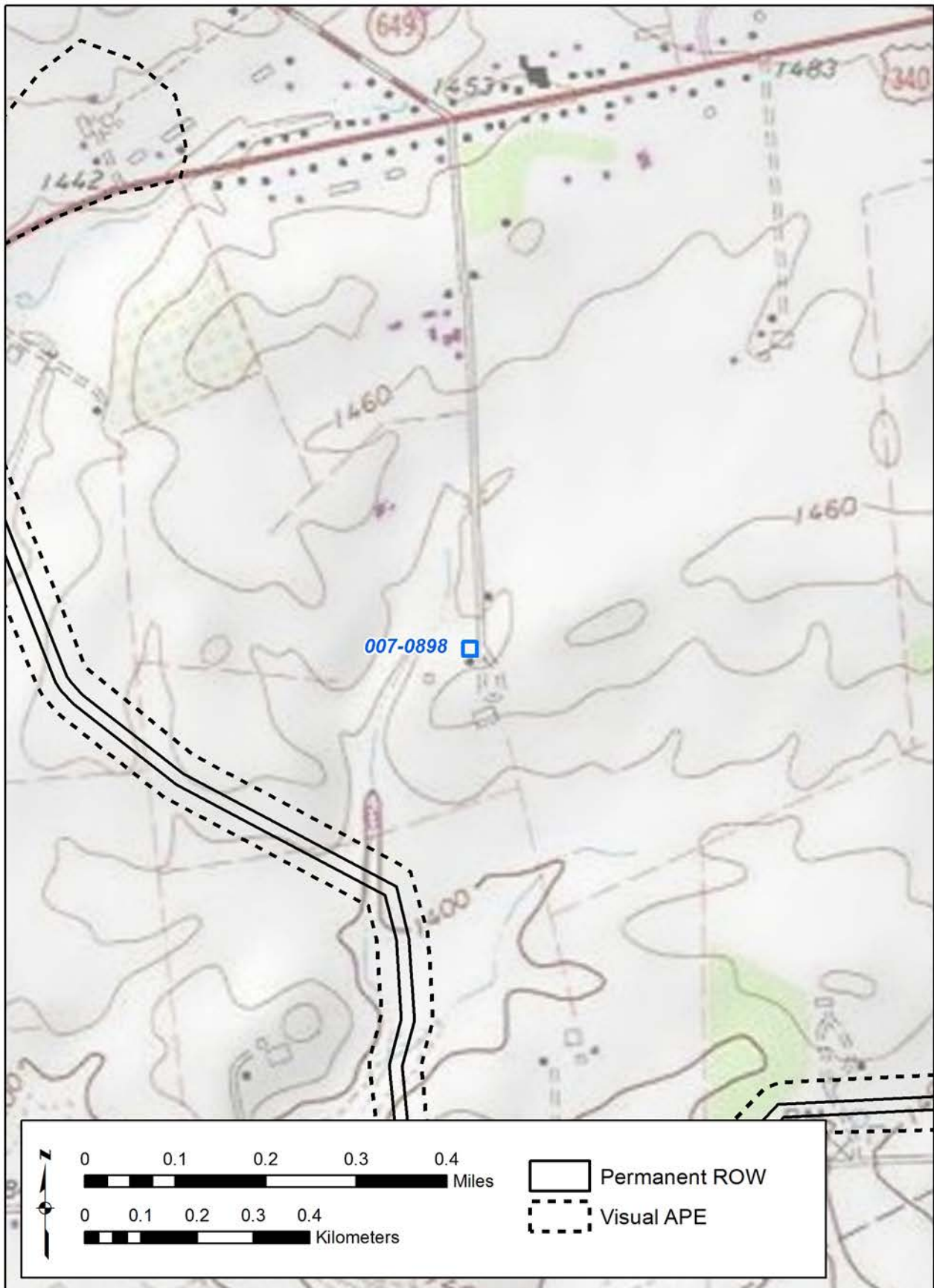


Figure 109. 007-0898 - USGS Quadrangle.

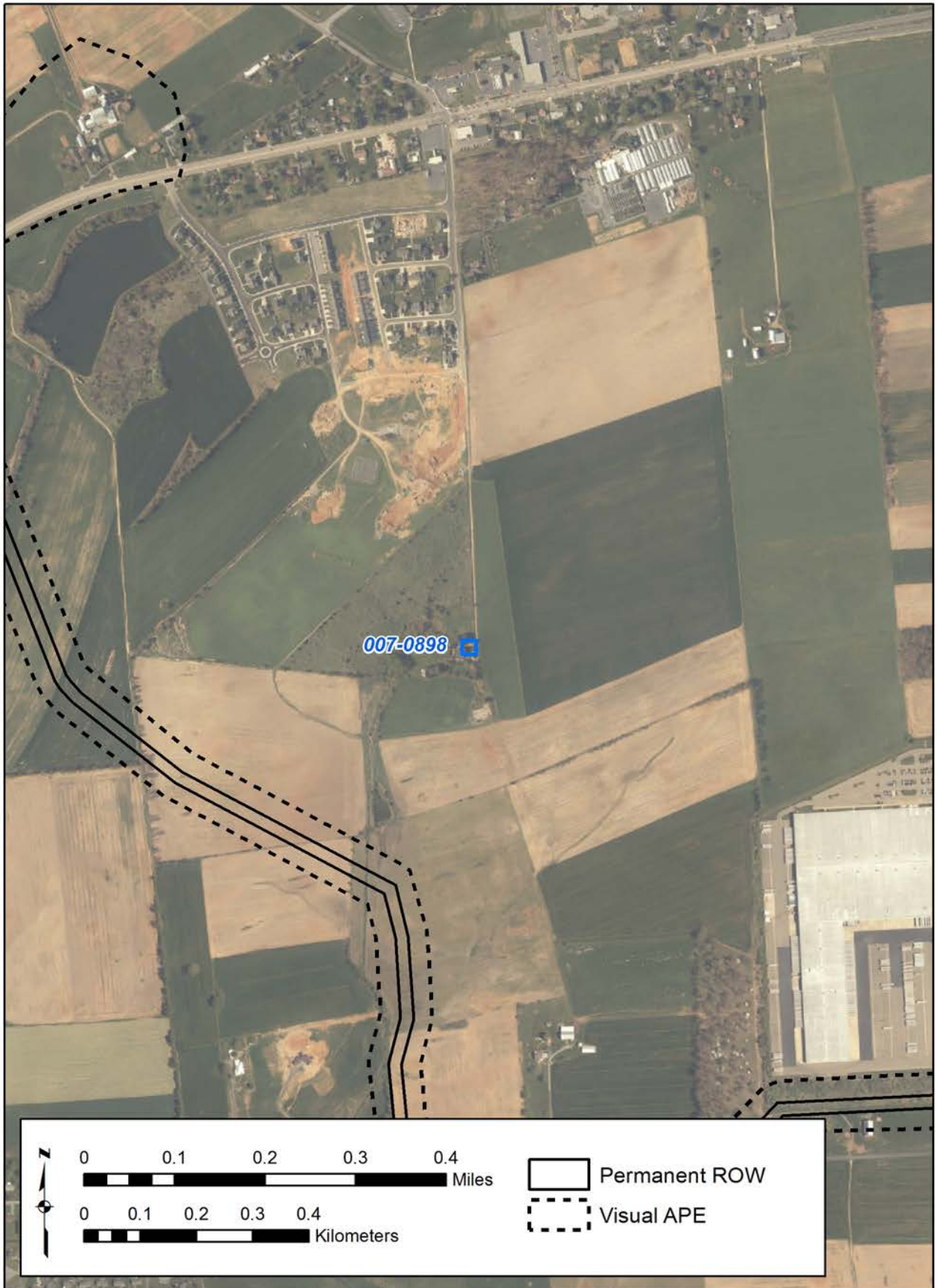


Figure 110. 007-0898 - Aerial.

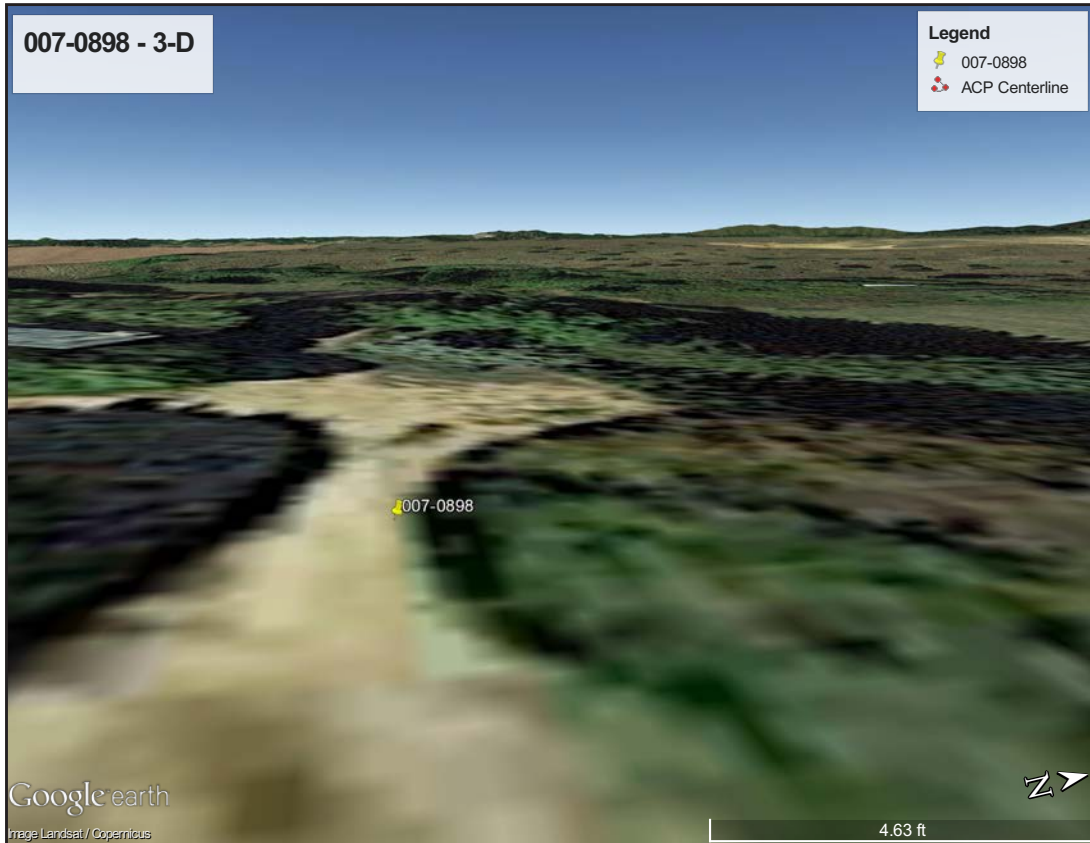


Figure 111. 007-0898 - 3-D View.



Figure 112. 007-0898 - Viewshed.

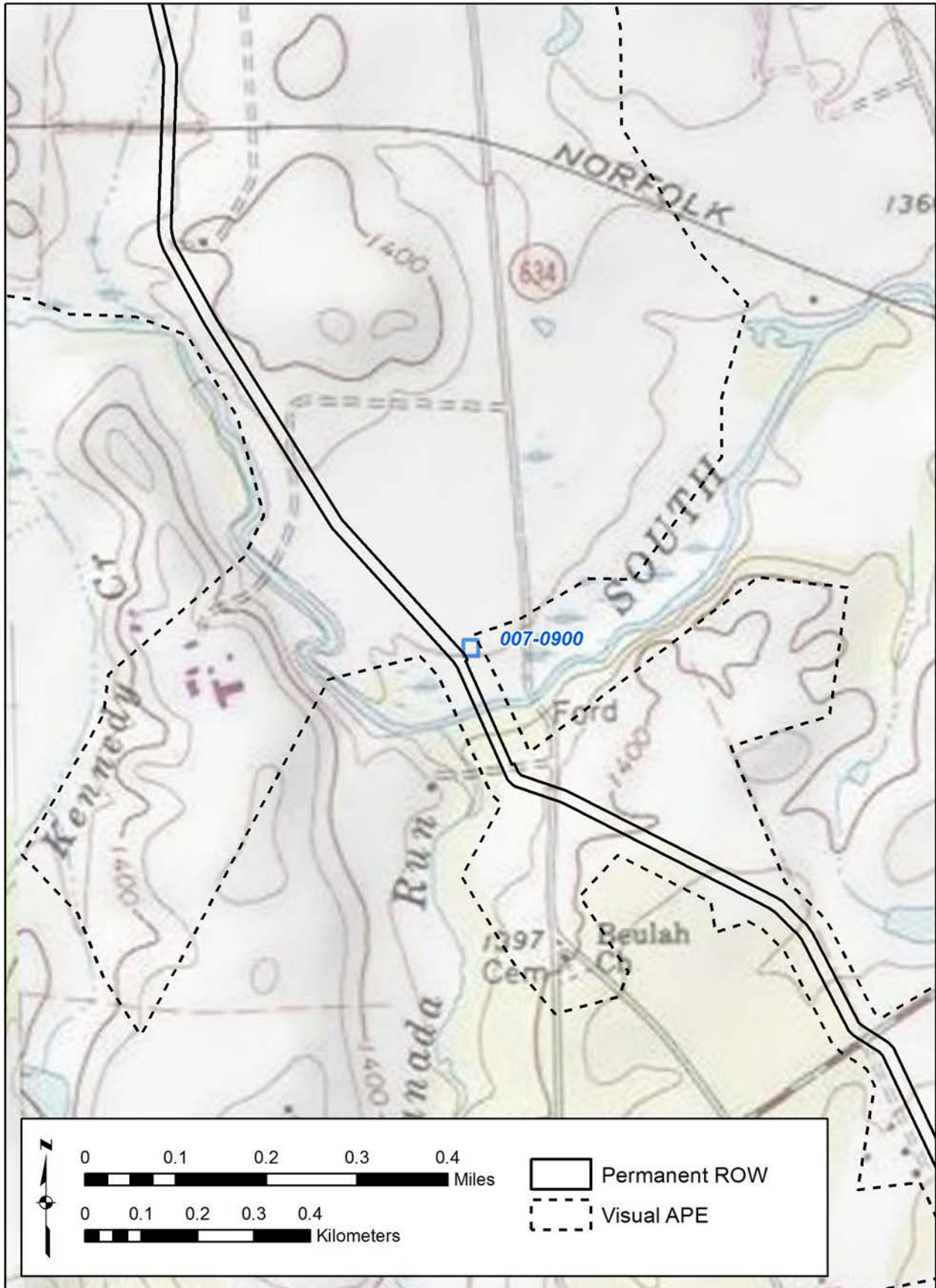


Figure 113. 007-0900 - USGS Quadrangle.

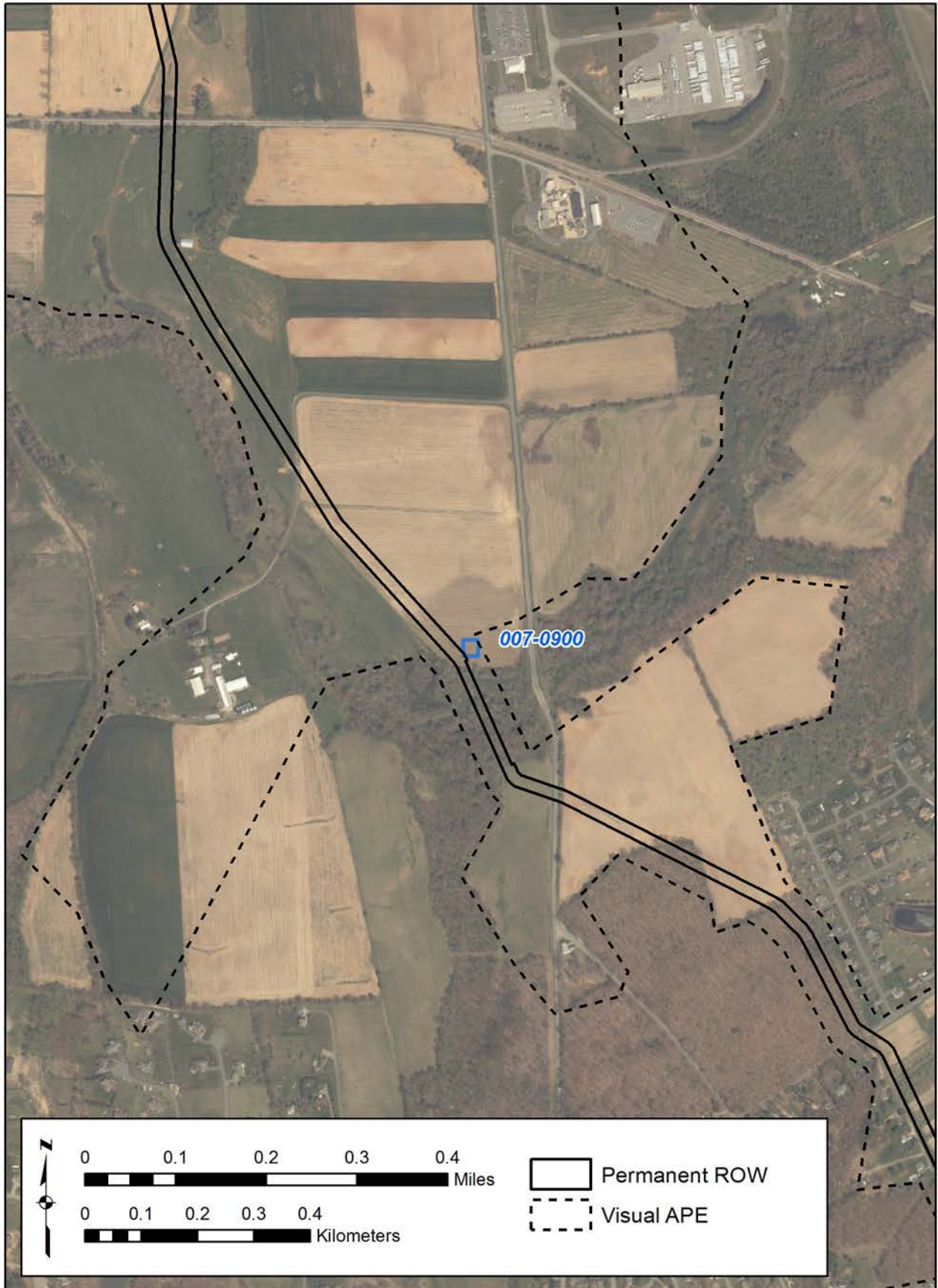


Figure 114. 007-0900 - Aerial.

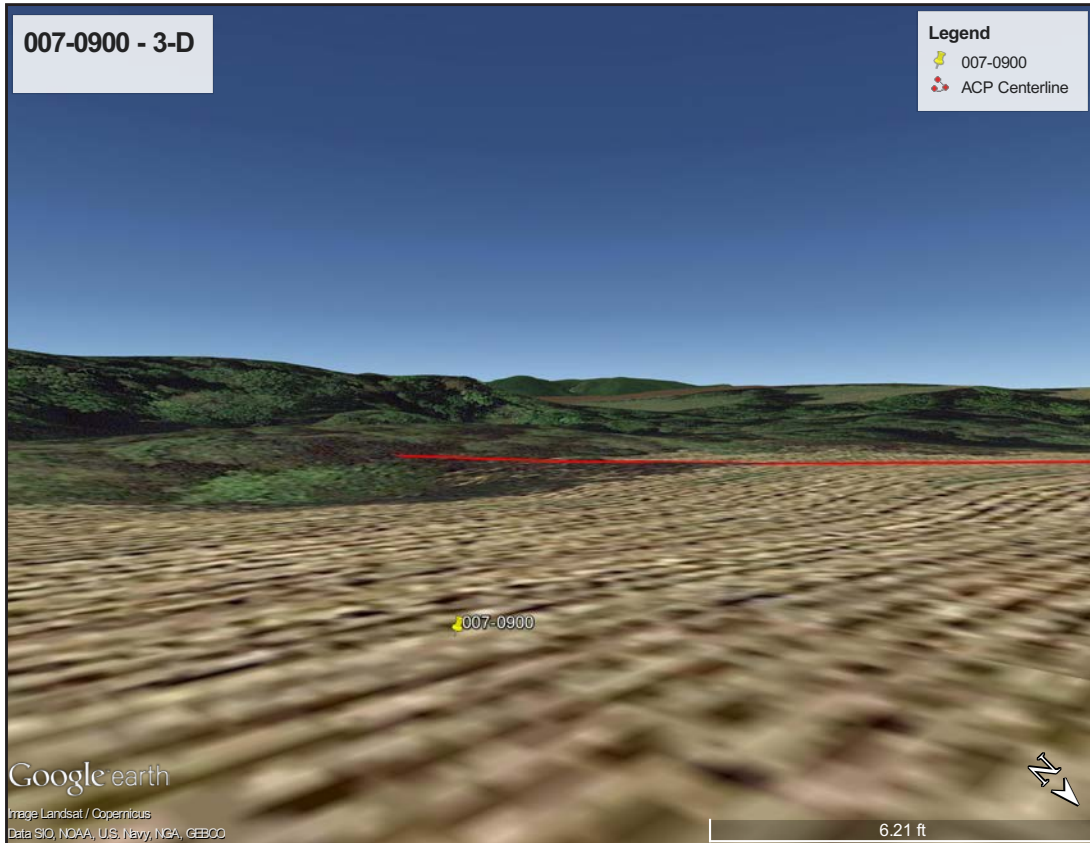


Figure 115. 007-0900 - 3-D View.



Figure 116. 007-0900 - Viewshed.



Figure 117. 007-0911 - USGS Quadrangle.



Figure 118. 007-0911 - Aerial.



Figure 119. 007-0911 - 3-D View.

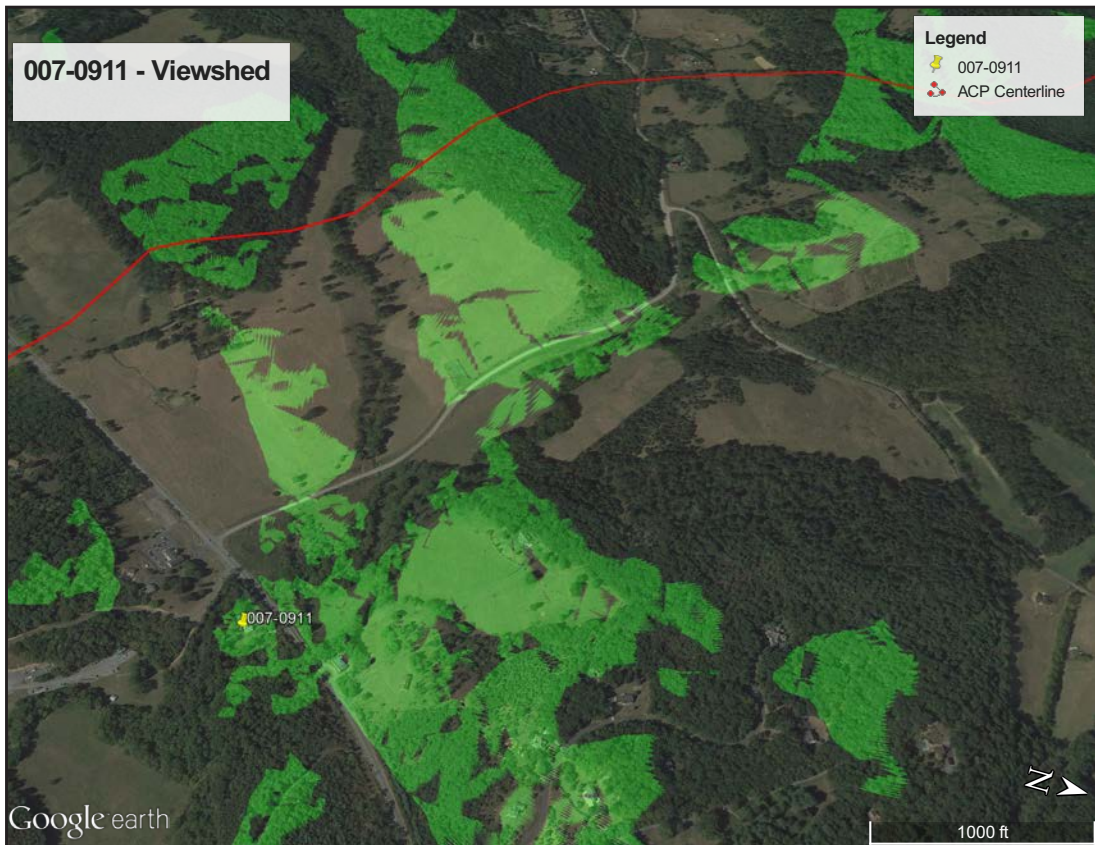


Figure 120. 007-0911 - Viewshed.

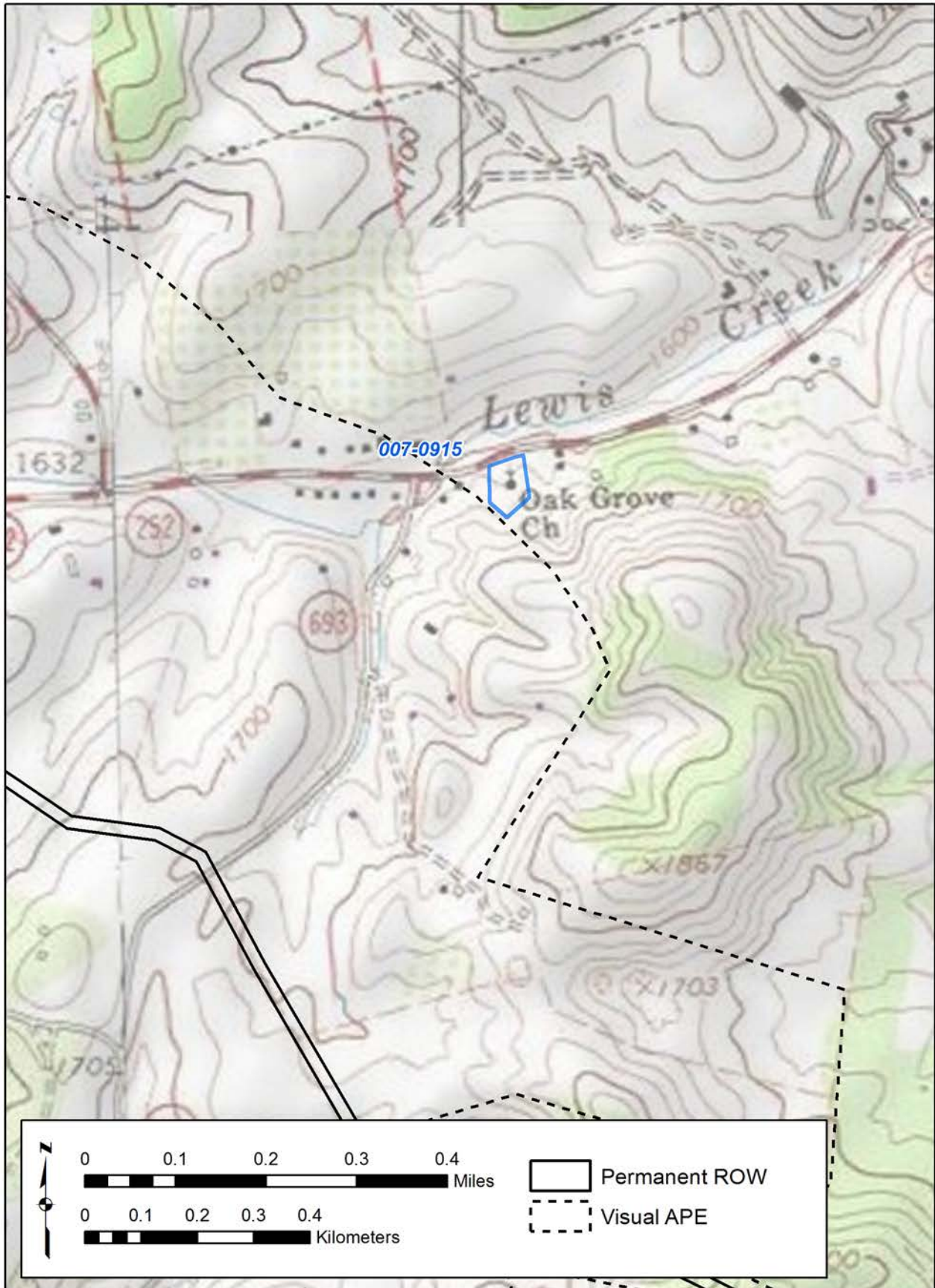


Figure 121. 007-0915 - USGS Quadrangle.

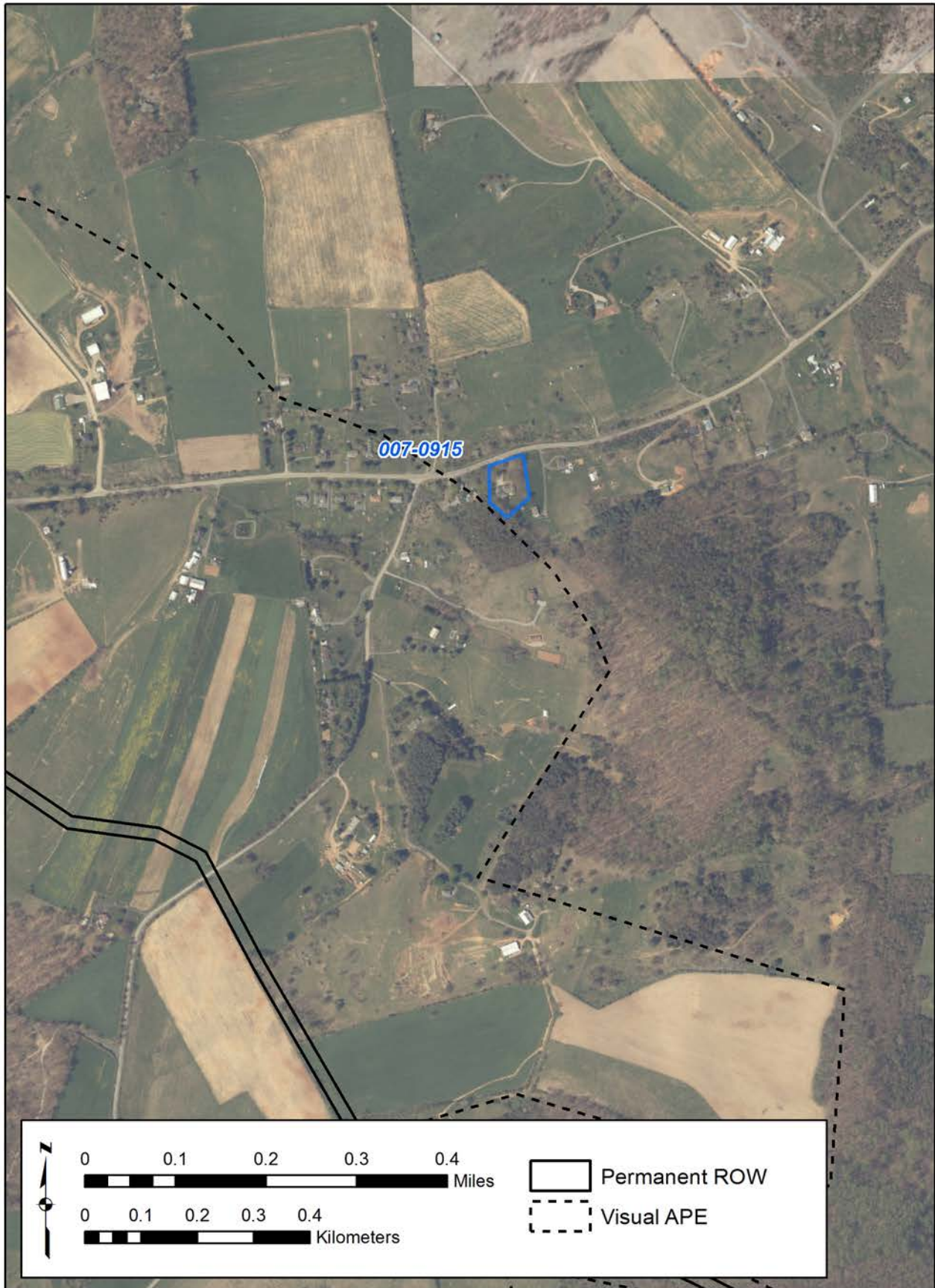


Figure 122. 007-0915 - Aerial.

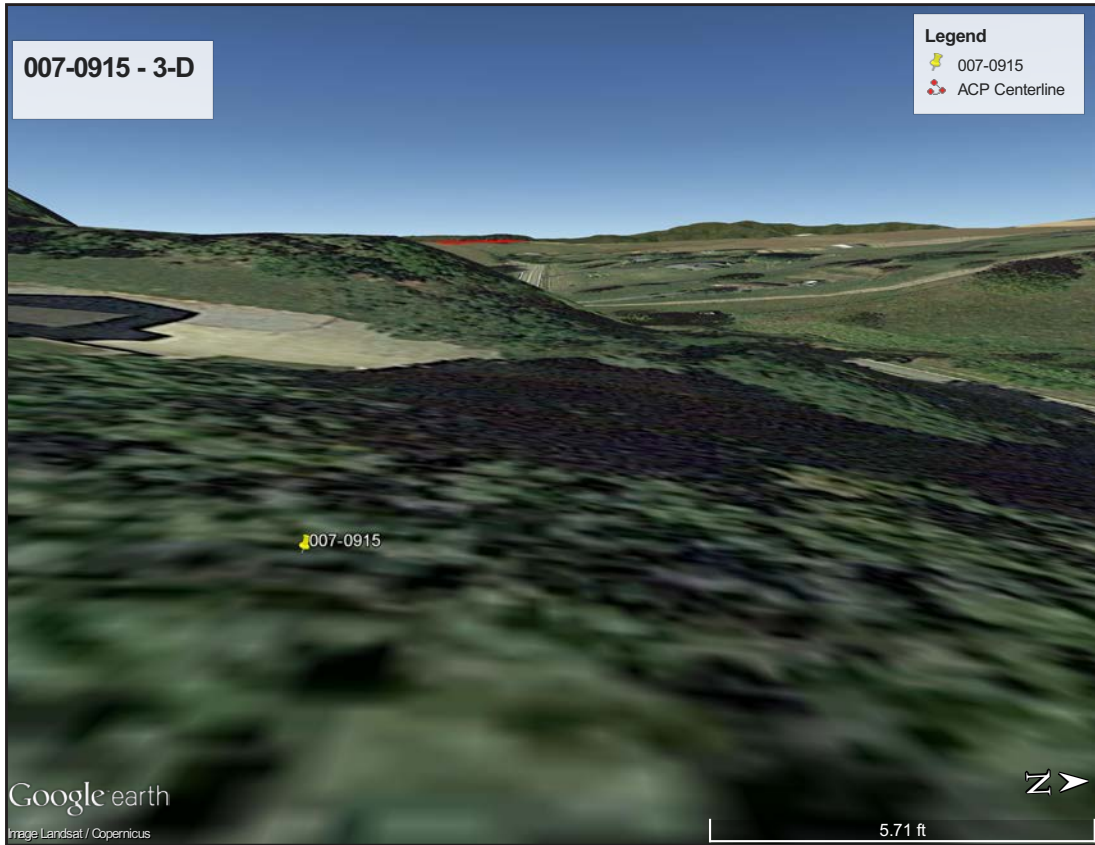


Figure 123. 007-0915 - 3-D View.

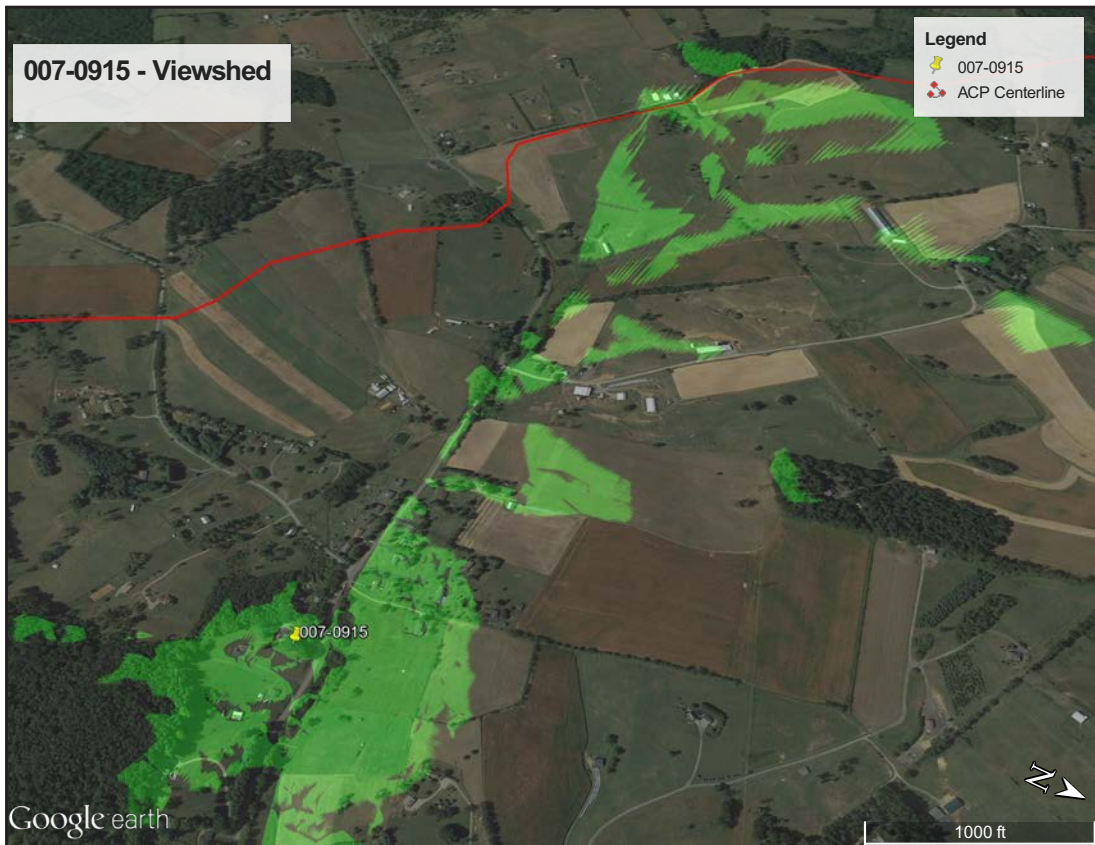


Figure 124. 007-0915 - Viewshed.



Figure 125. 007-0917 - USGS Quadrangle.

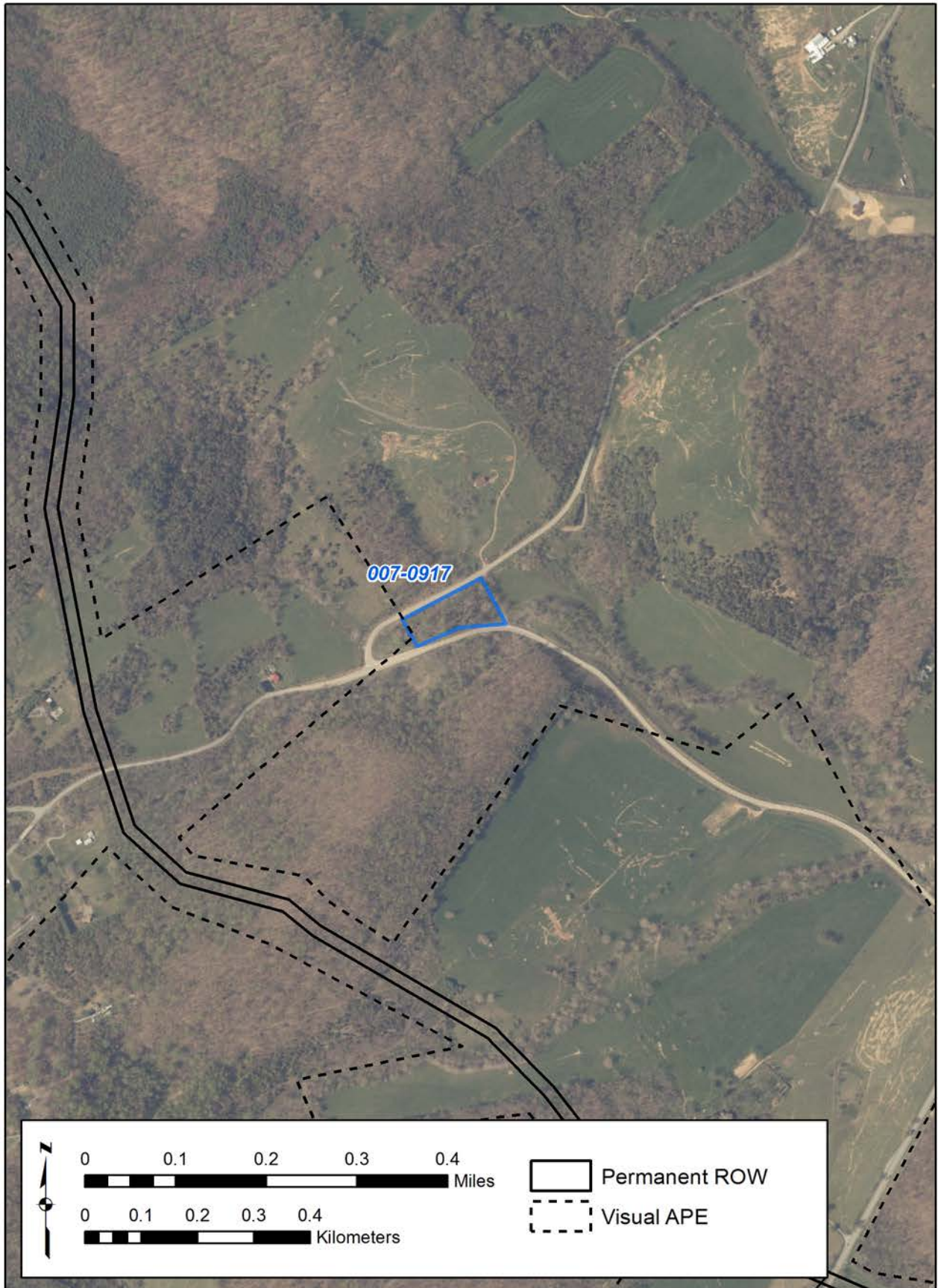


Figure 126. 007-0917 - Aerial.

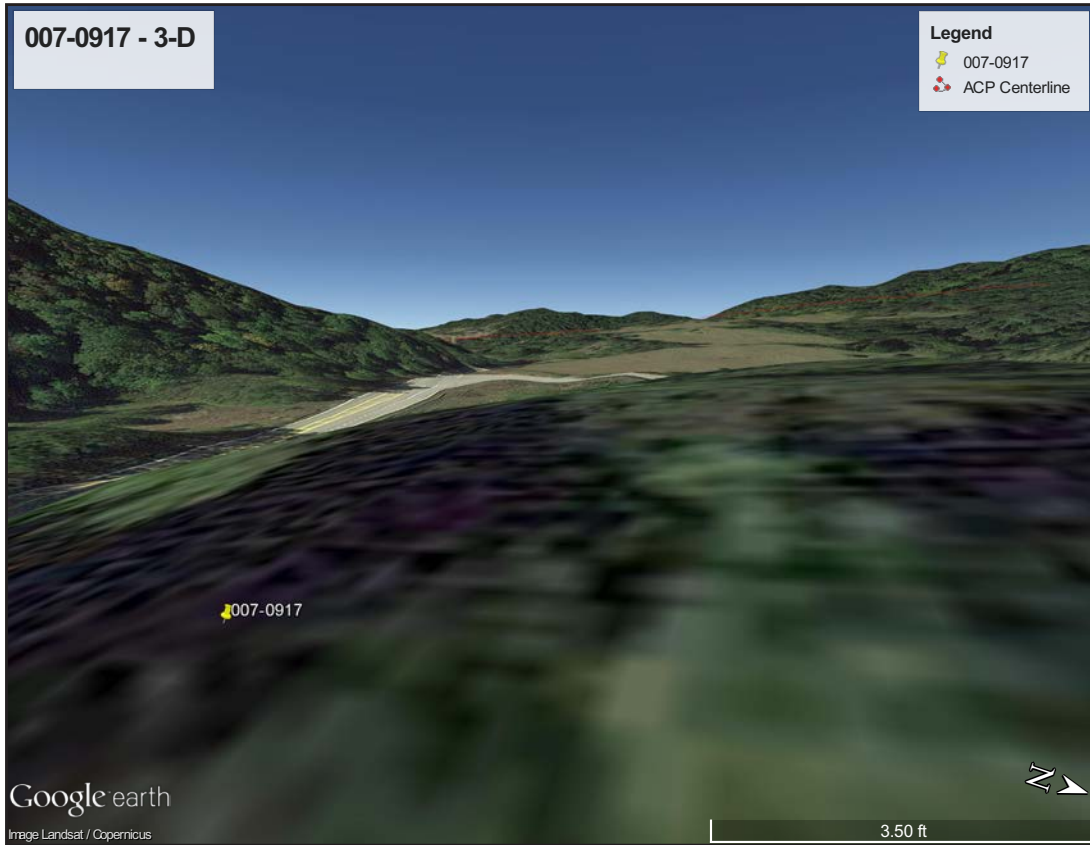


Figure 127. 007-0917 - 3-D View.

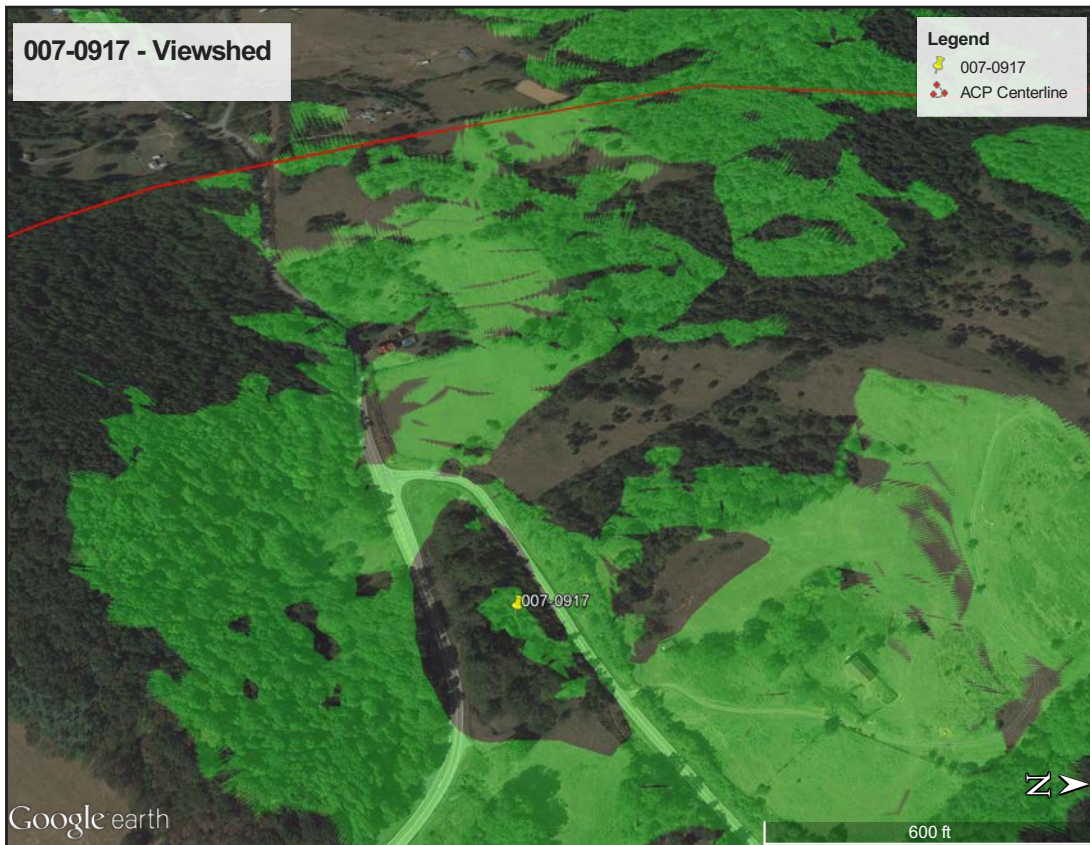


Figure 128. 007-0917 - Viewshed.

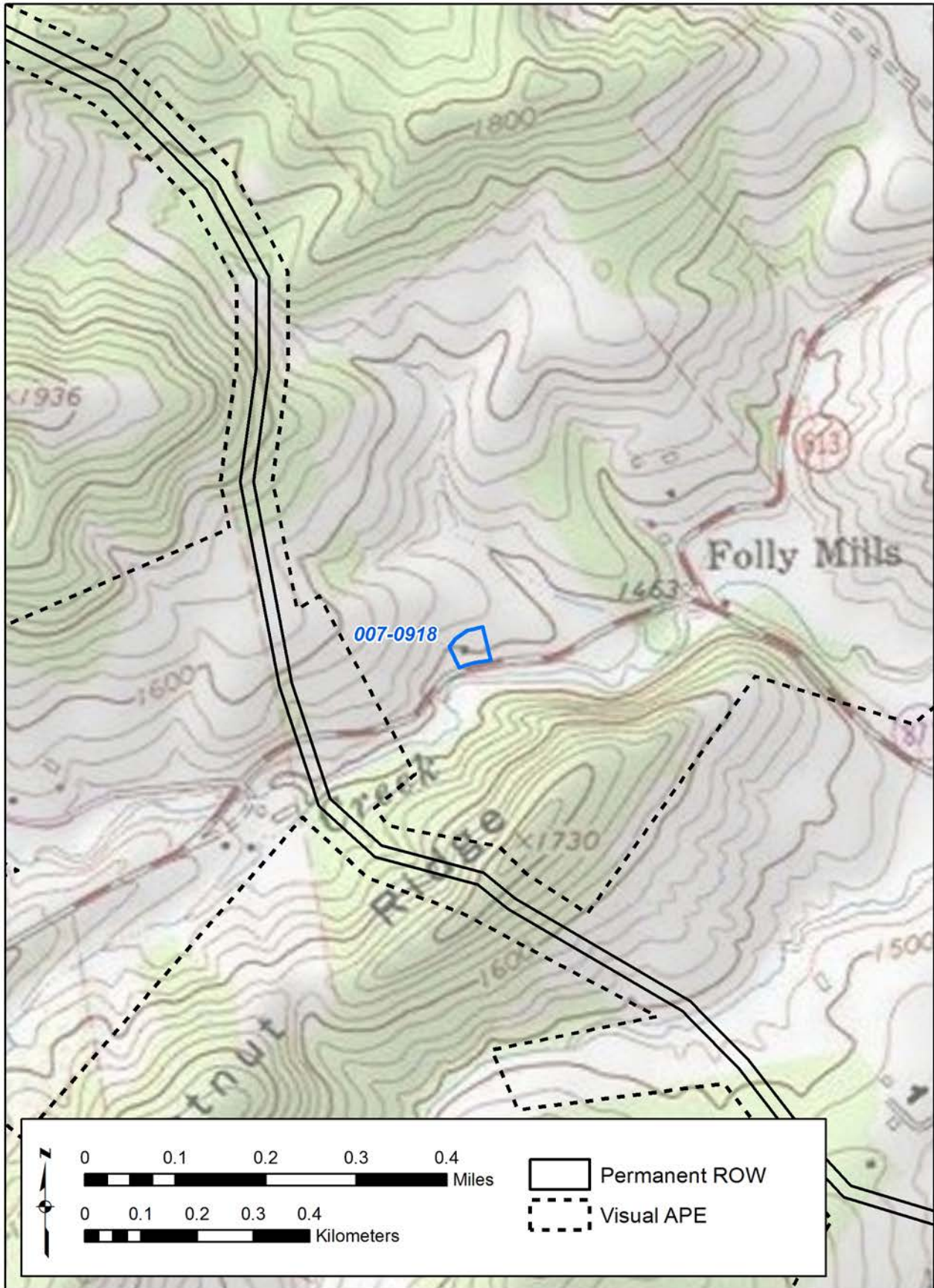


Figure 129. 007-0918 - USGS Quadrangle.

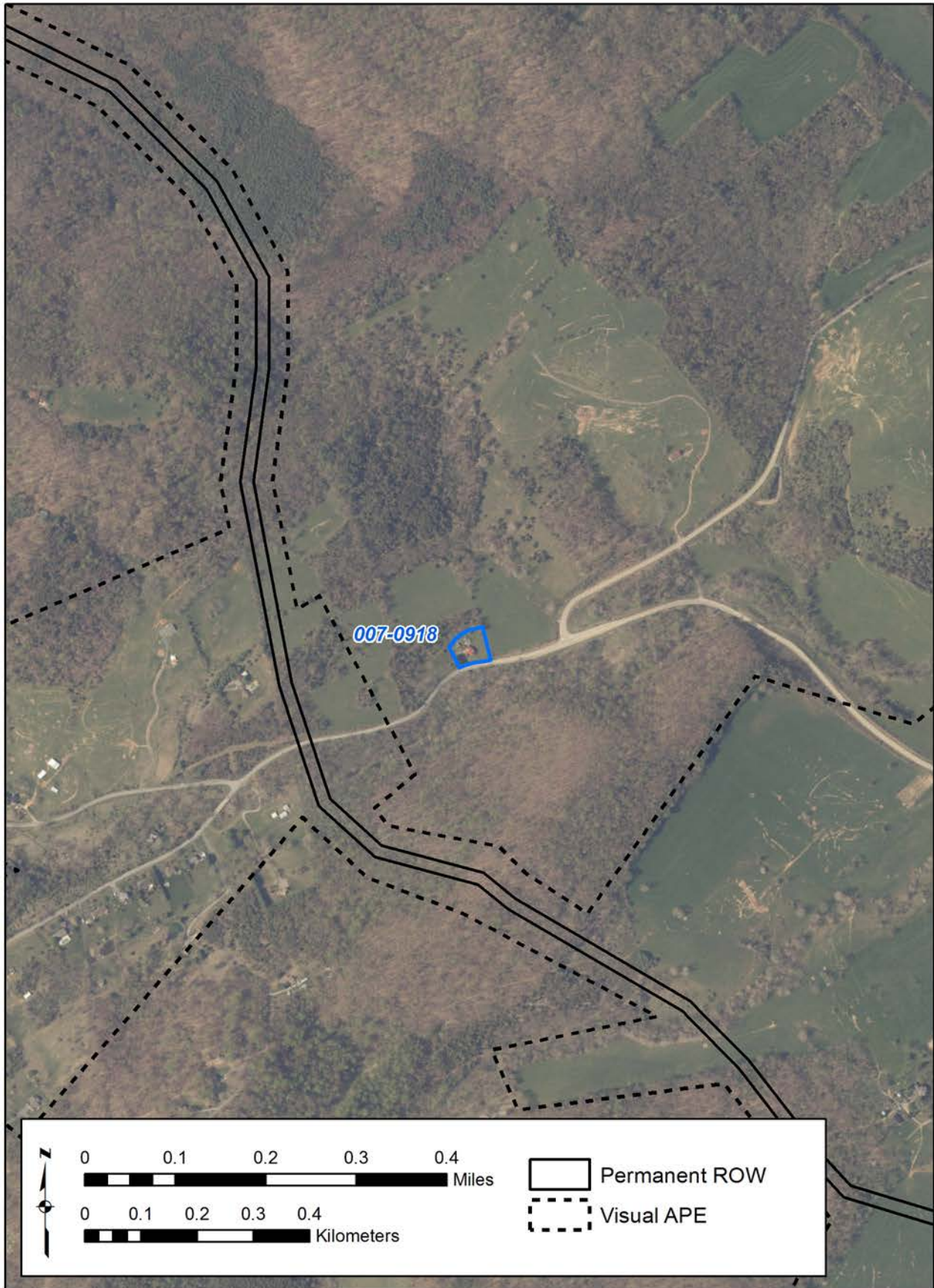


Figure 130. 007-0918 - Aerial.

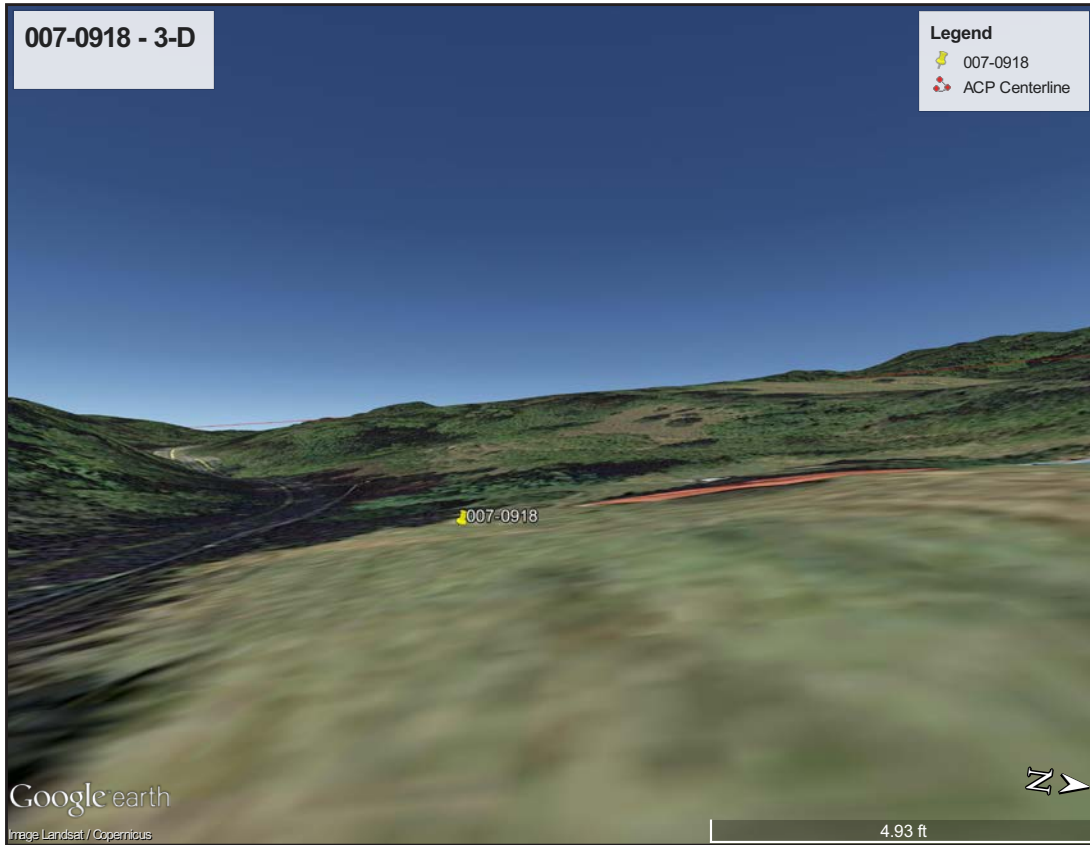


Figure 131. 007-0918 - 3-D View.

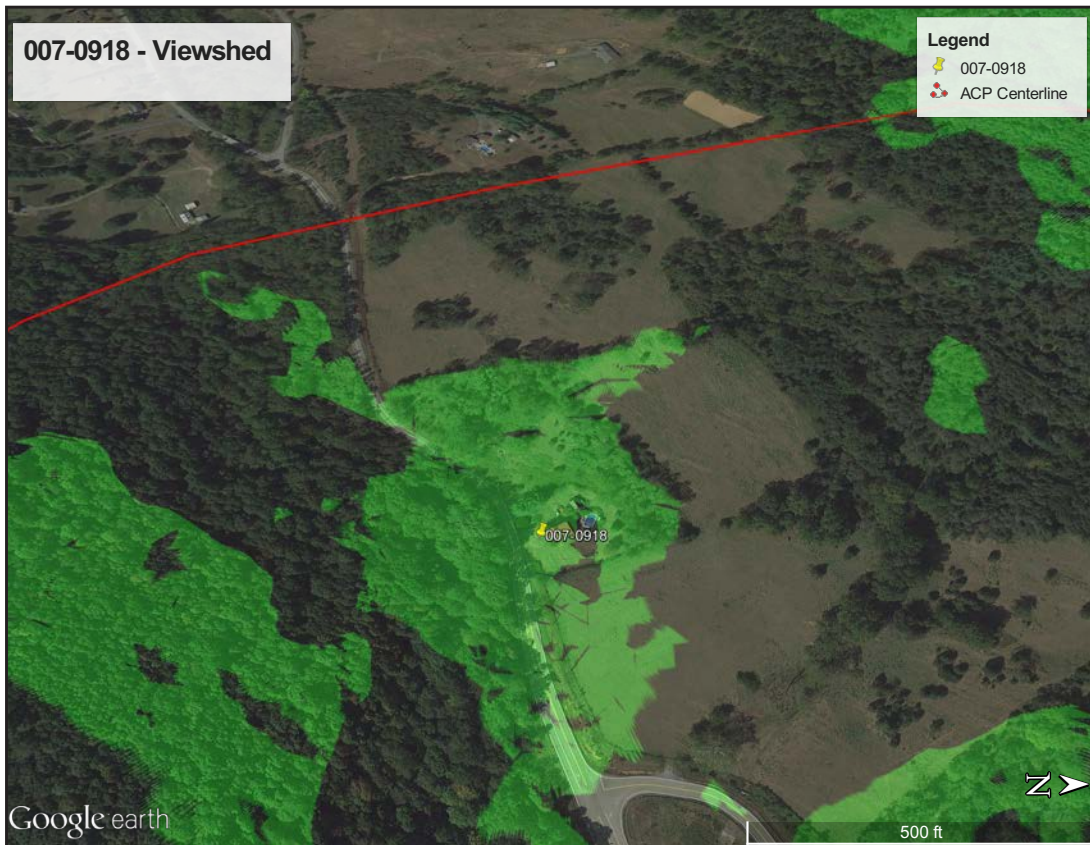


Figure 132. 007-0918 - Viewshed.

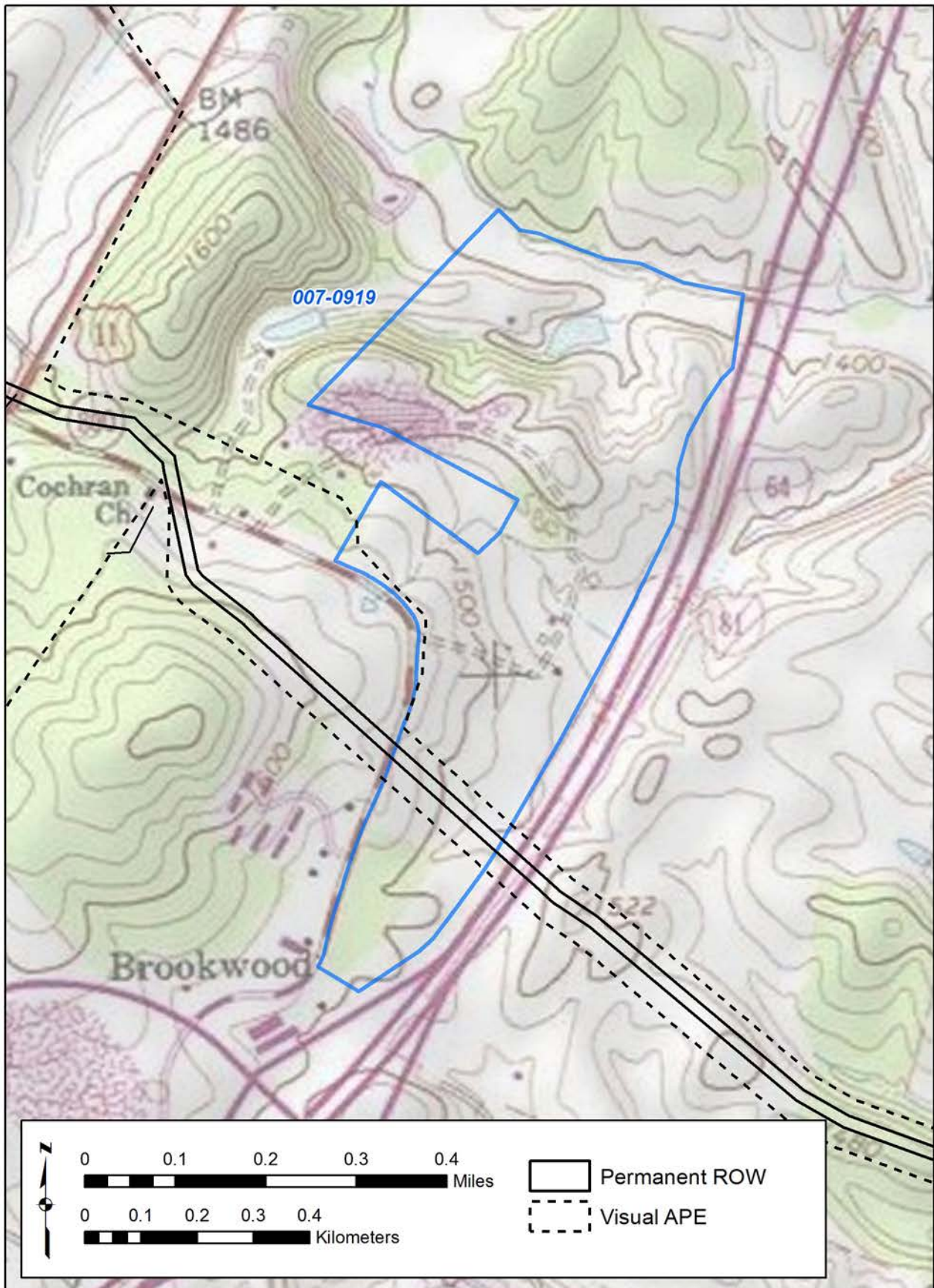


Figure 133. 007-0919 - USGS Quadrangle.



Figure 134. 007-0919 - Aerial.

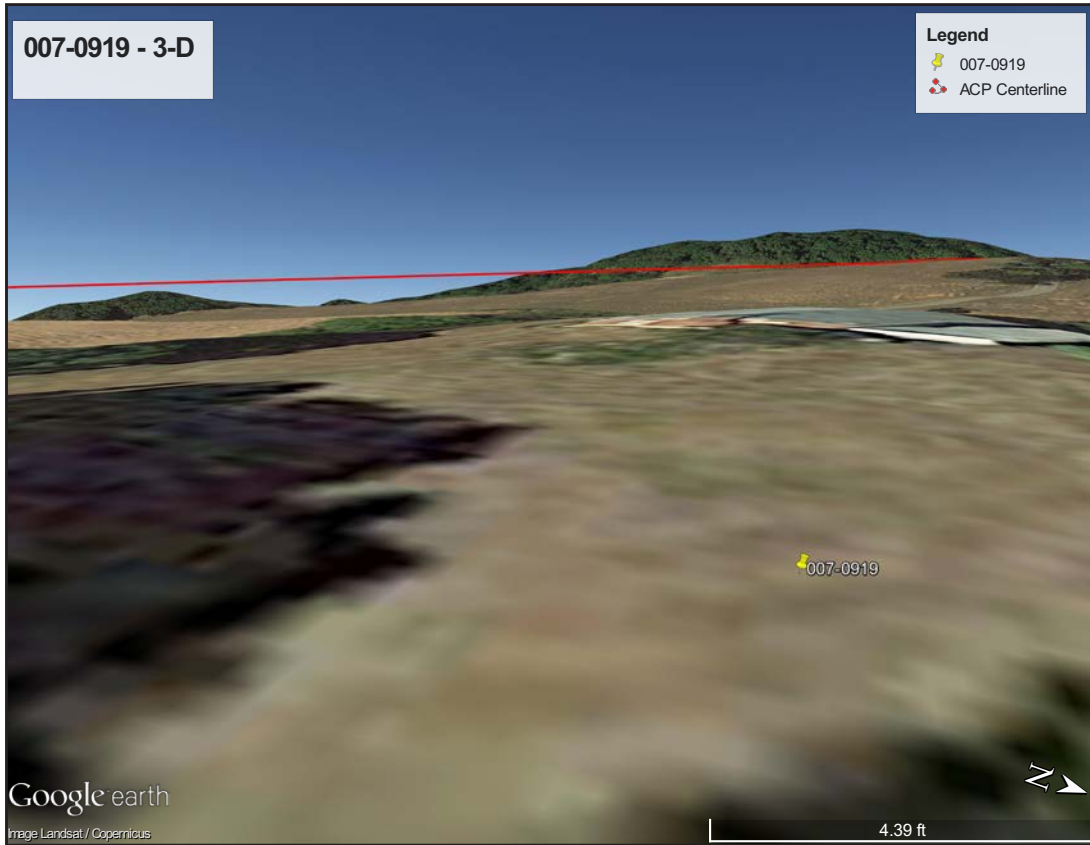


Figure 135. 007-0919 - 3-D View.



Figure 136. 007-0919 - Viewshed.

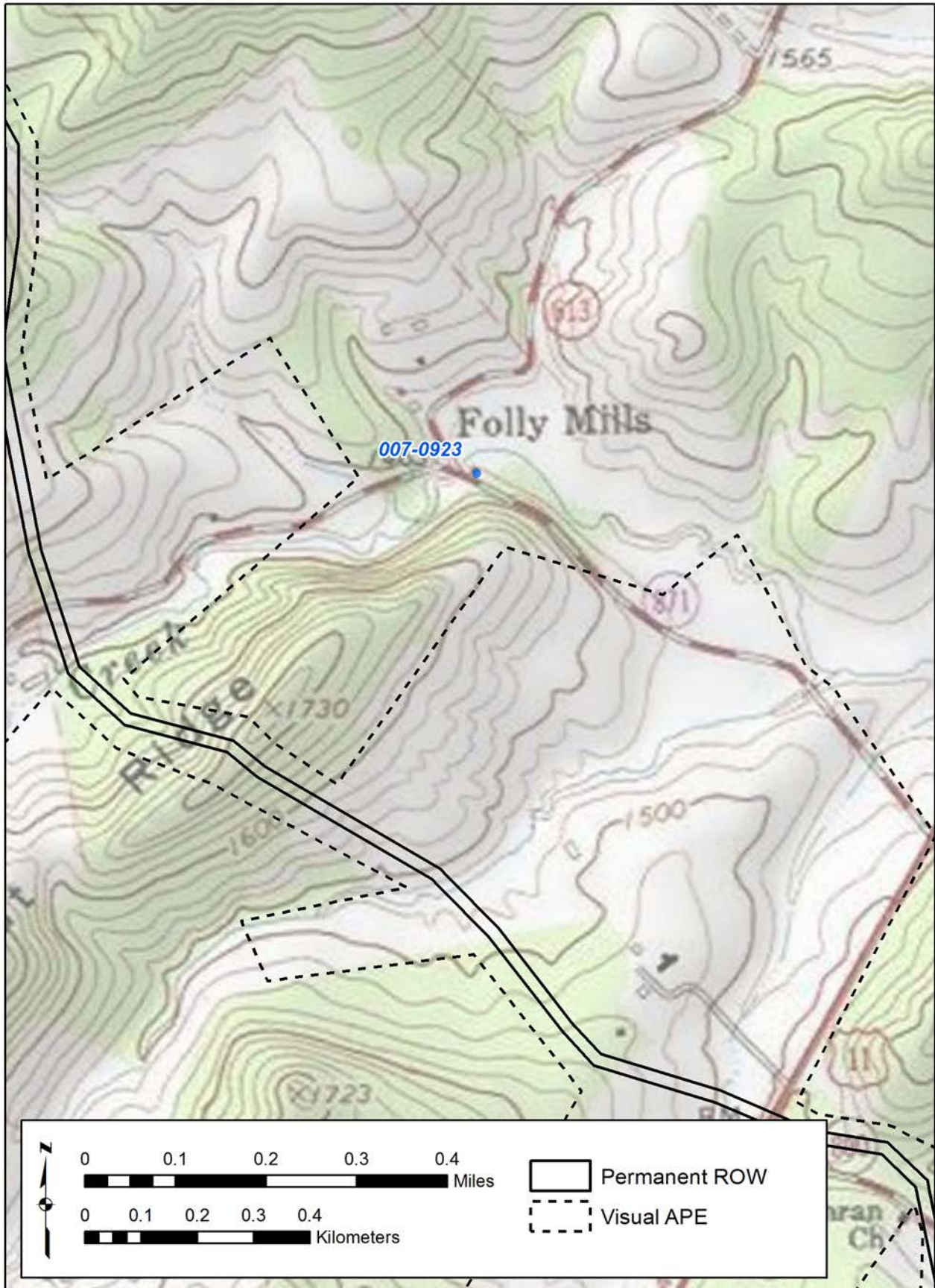


Figure 137. 007-0923 - USGS Quadrangle.

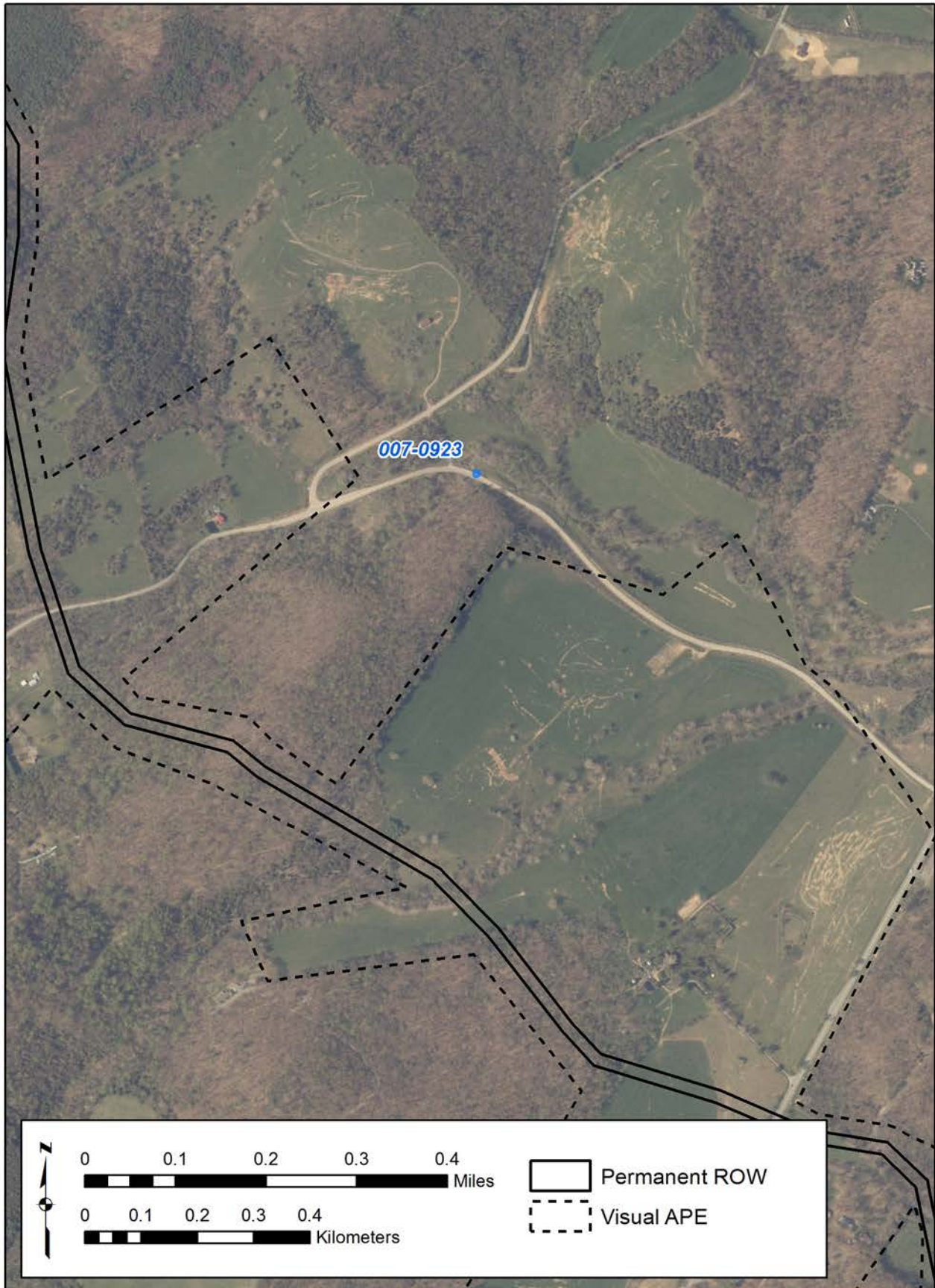


Figure 138. 007-0923 - Aerial.



Figure 139. 007-0923 - 3-D View.

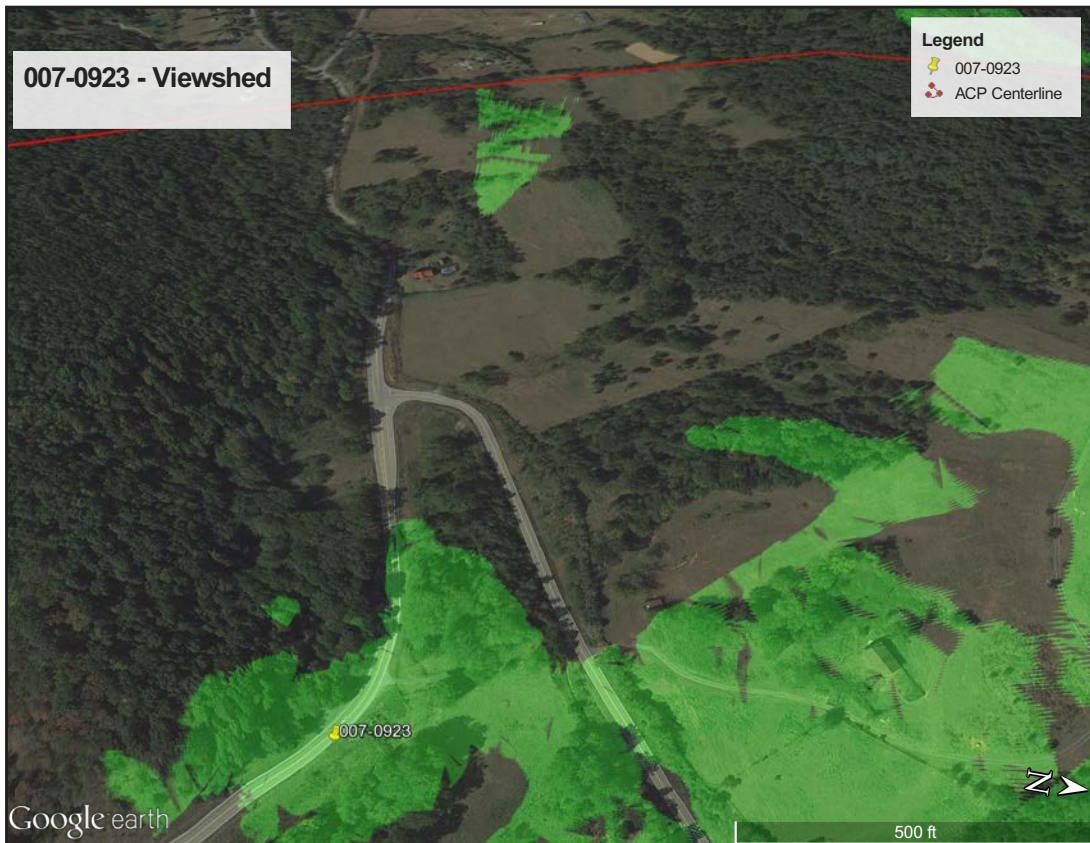


Figure 140. 007-0923 - Viewshed.

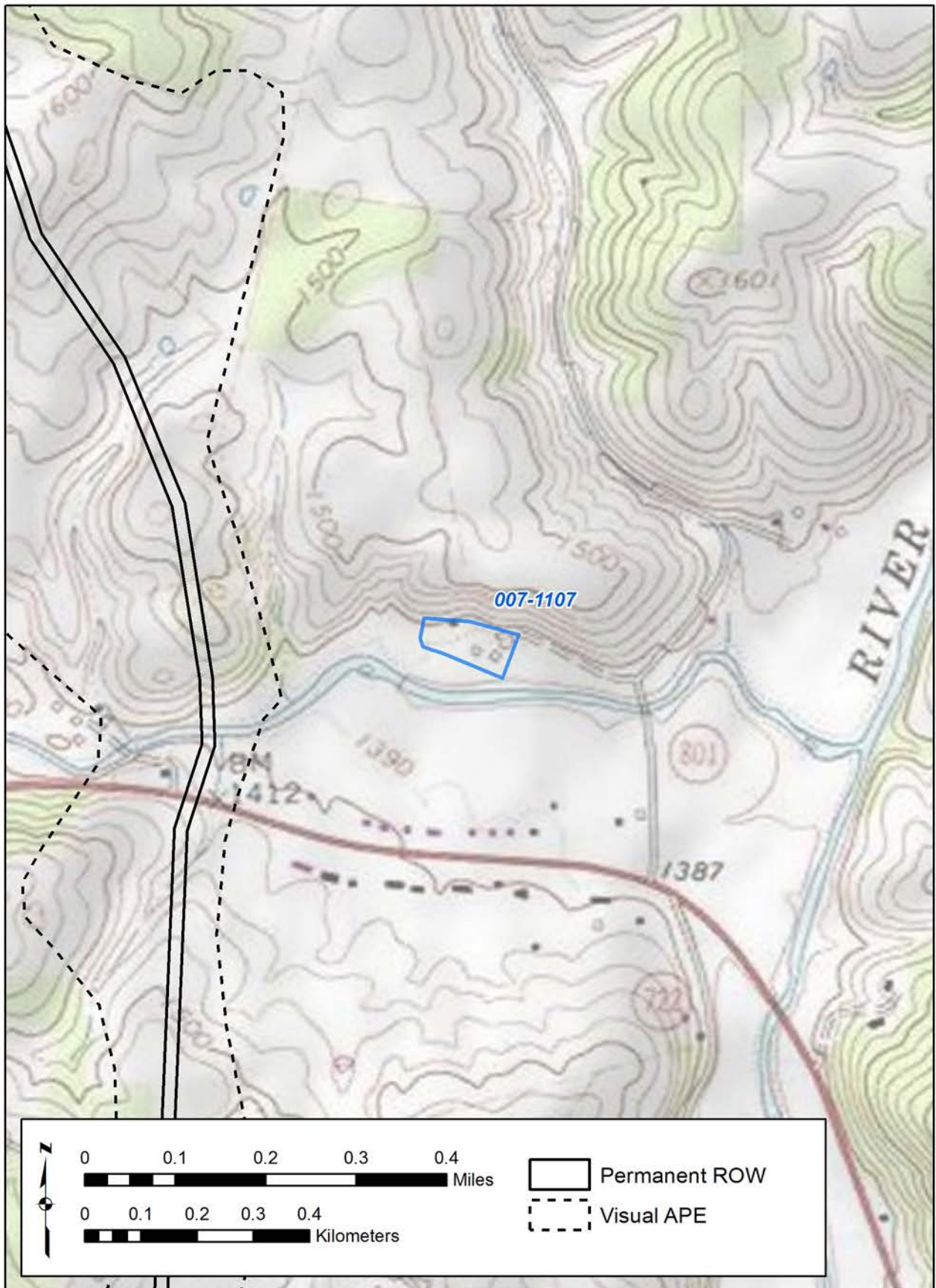


Figure 141. 007-1107 - USGS Quadrangle.



Figure 142. 007-1107 - Aerial.



Figure 143. 007-1107 - 3-D View.

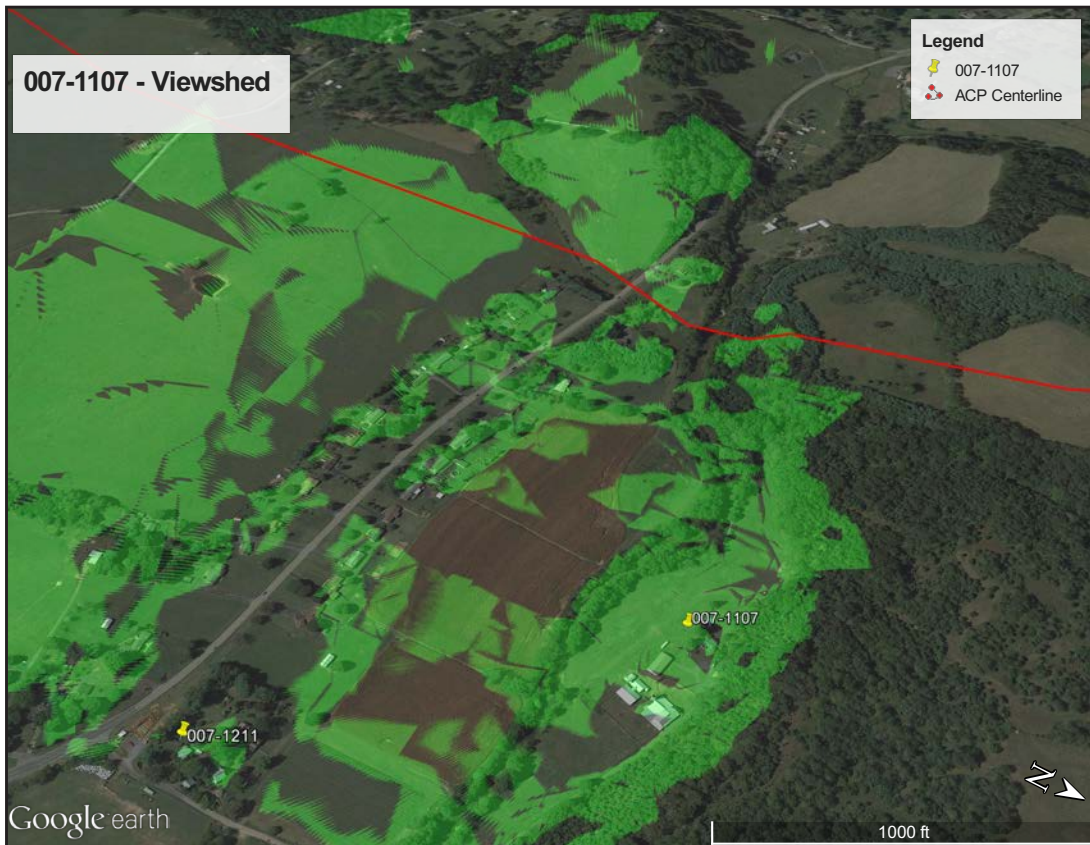


Figure 144. 007-1107 - Viewshed.

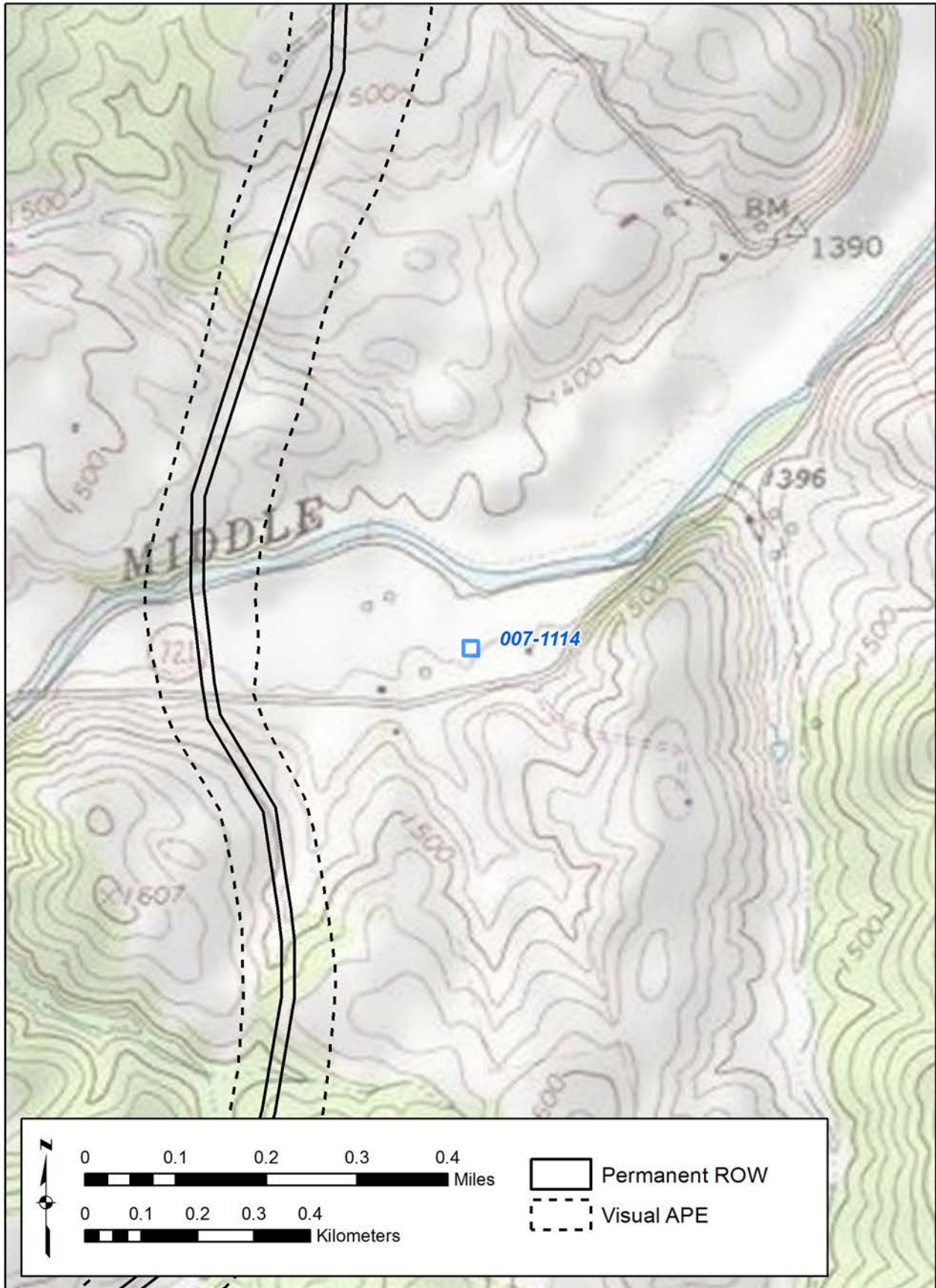


Figure 145. 007-1114 - USGS Quadrangle.

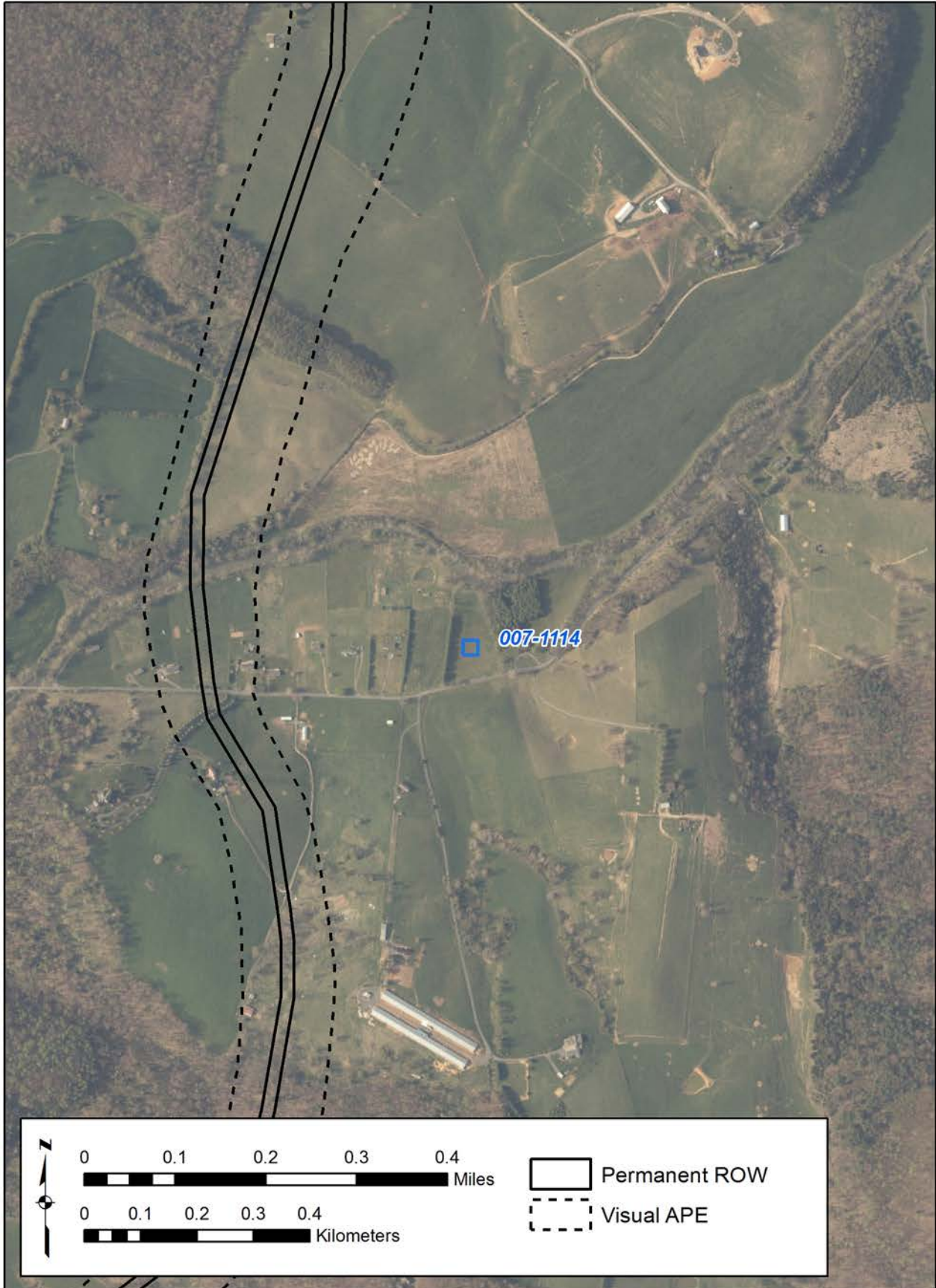


Figure 146. 007-1114 - Aerial.

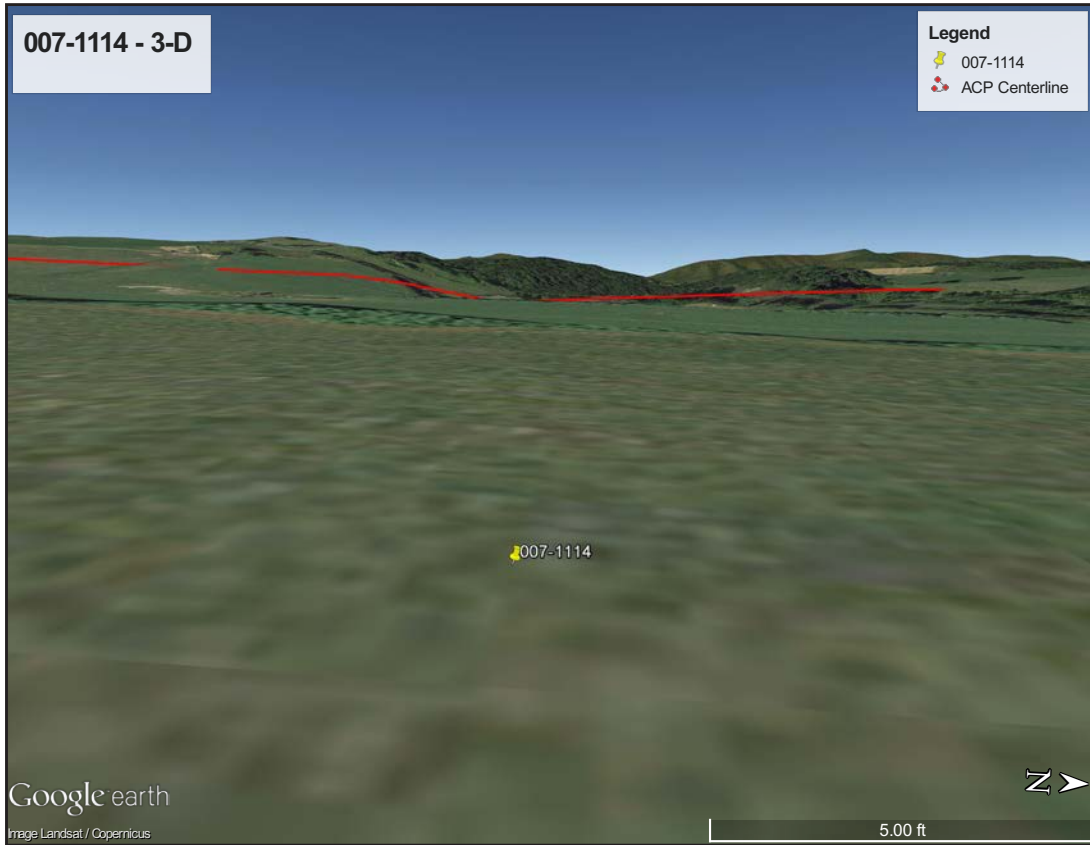


Figure 147. 007-1114 - 3-D View.

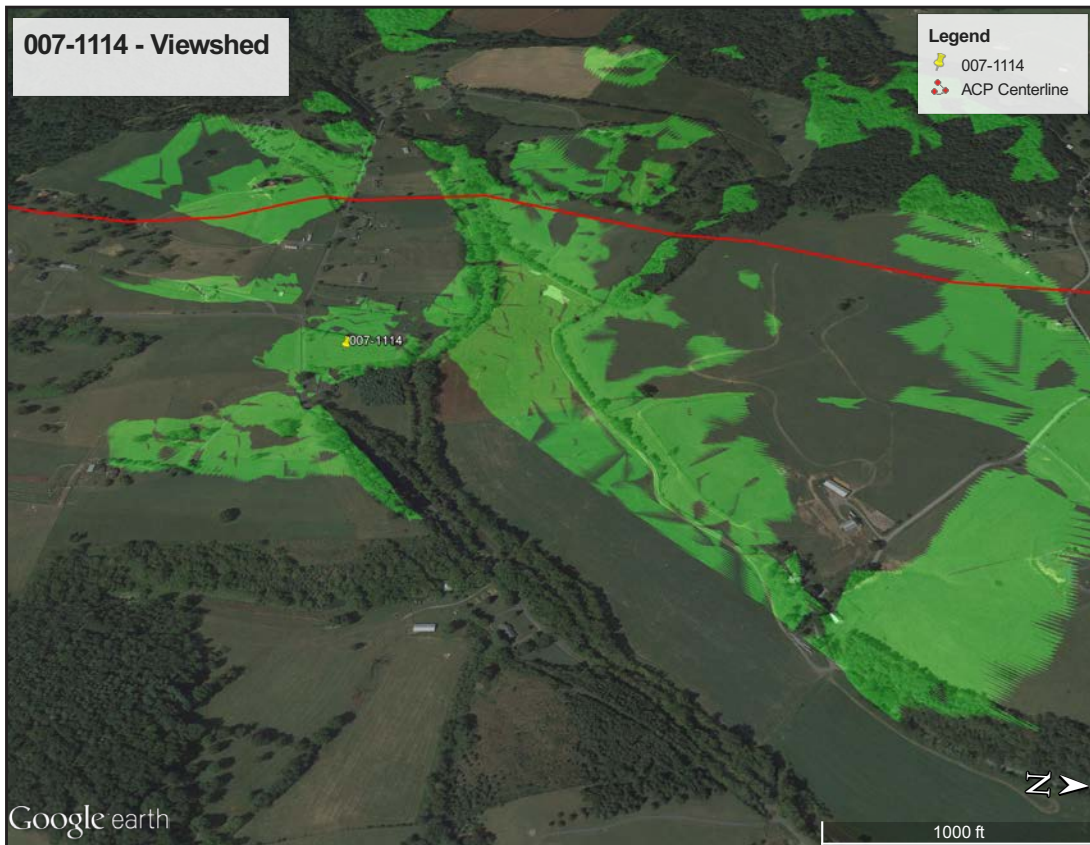


Figure 148. 007-1114 - Viewshed.

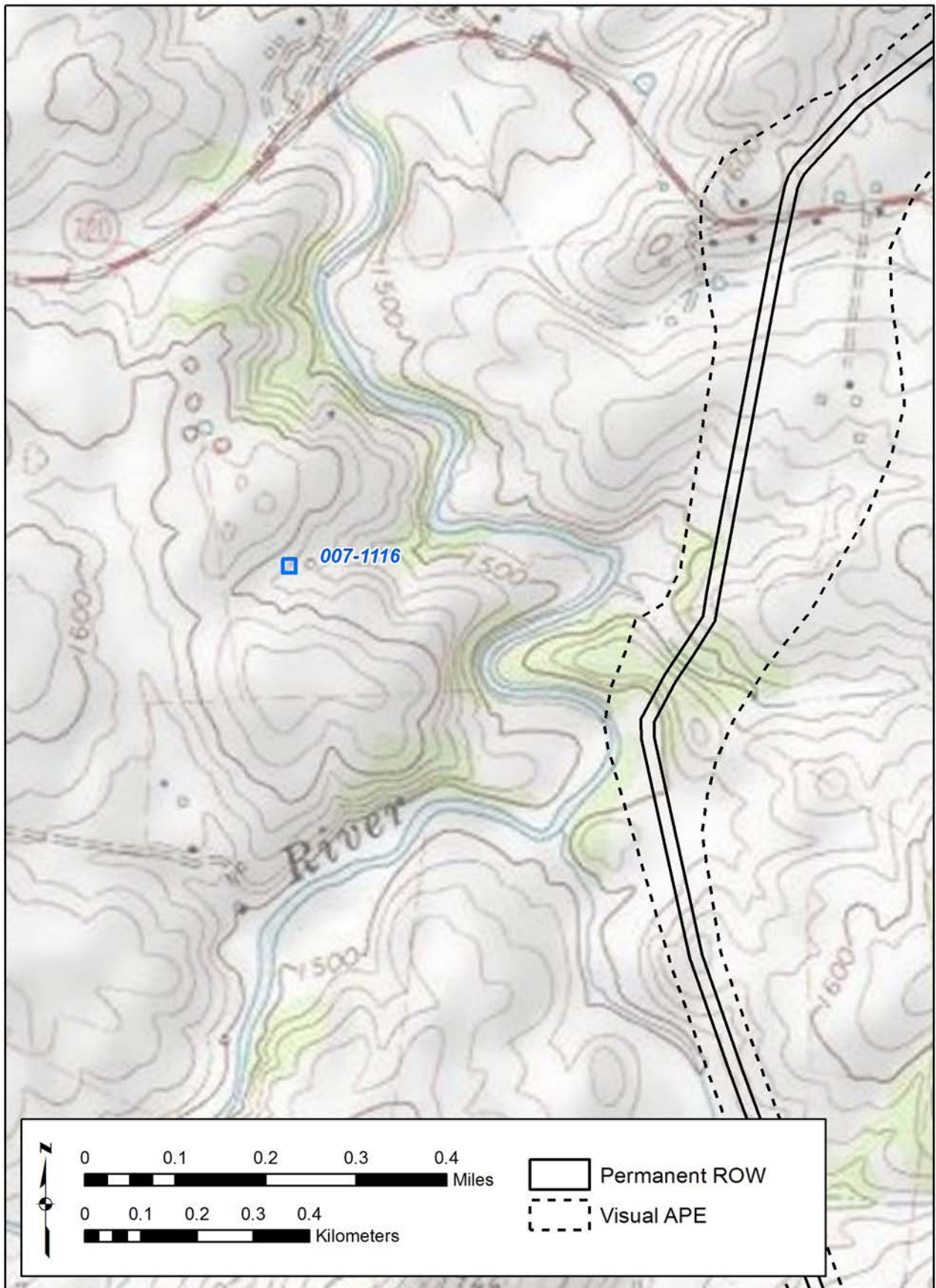


Figure 149. 007-1116 - USGS Quadrangle.

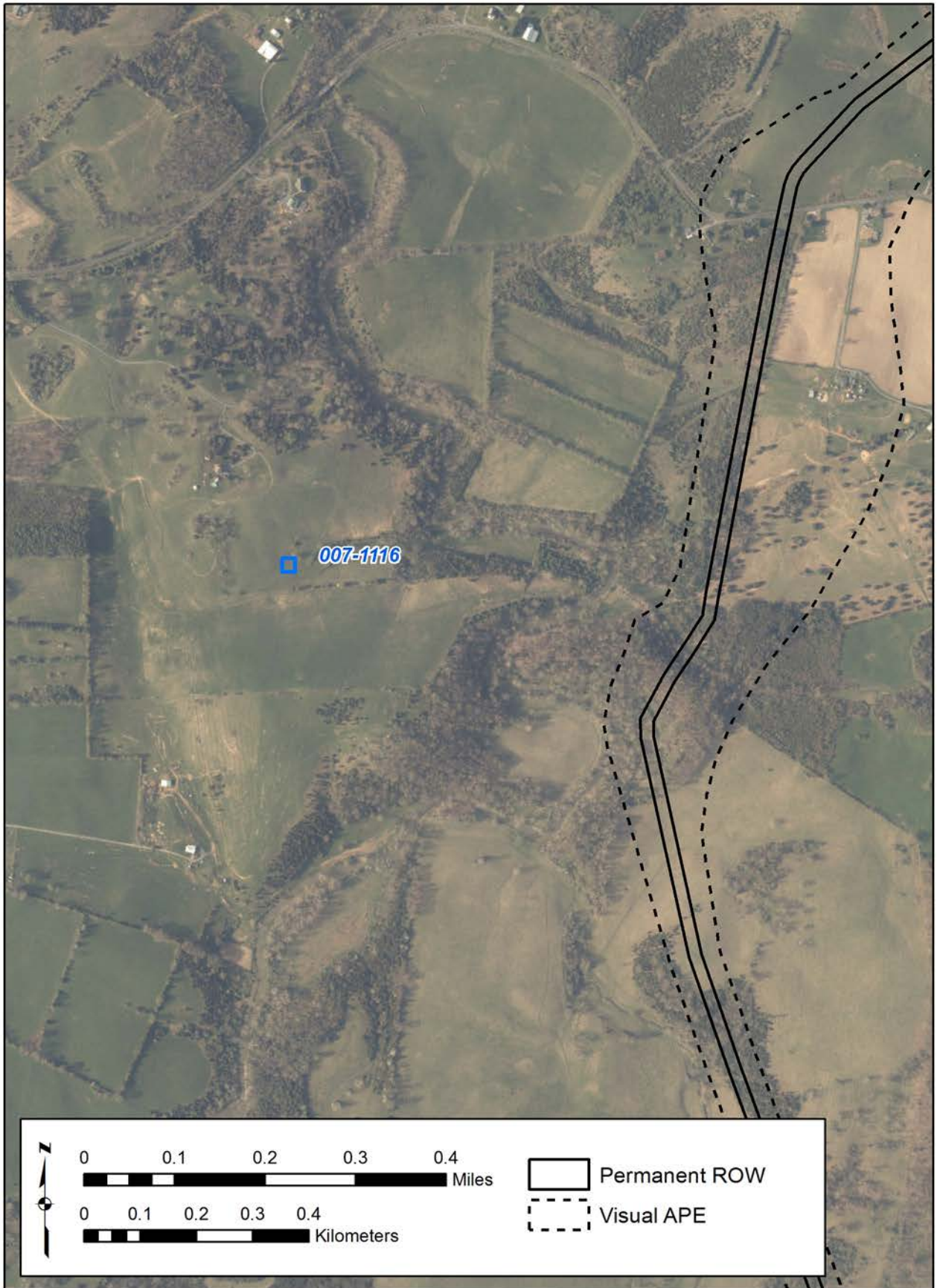


Figure 150. 007-1116 - Aerial.



Figure 151. 007-1116 - 3-D View.

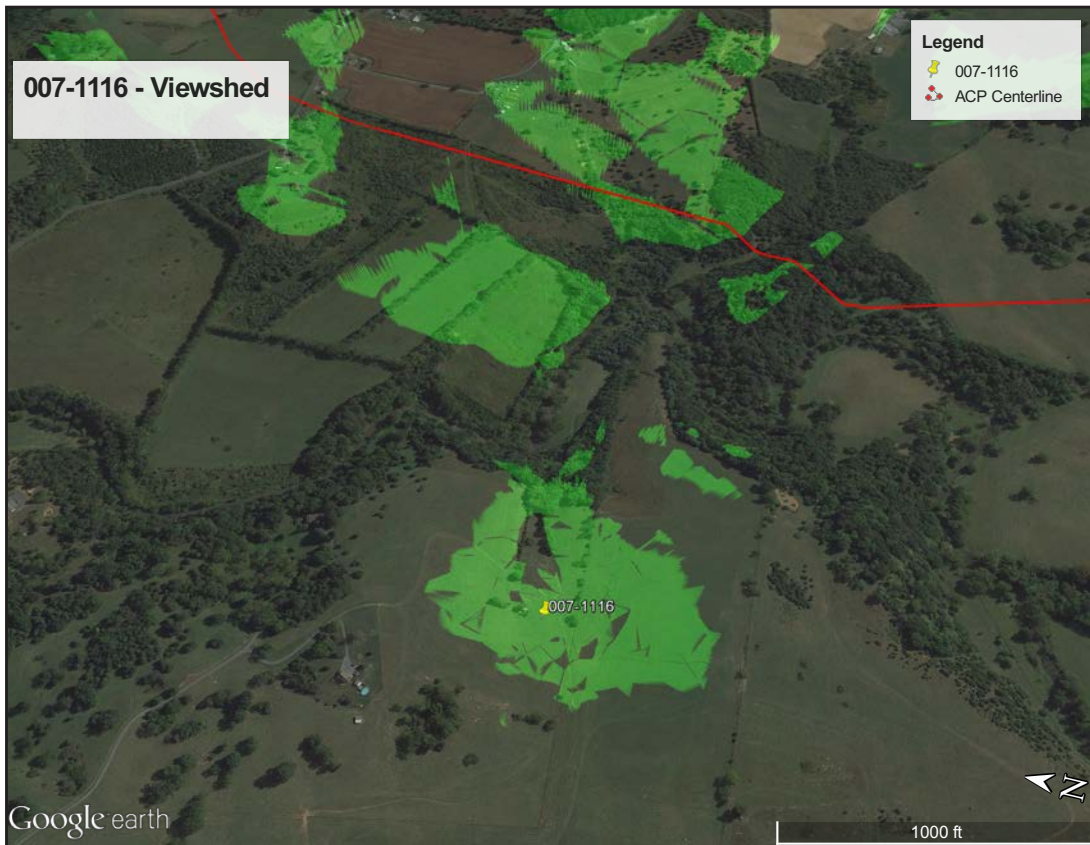


Figure 152. 007-1116 - Viewshed.

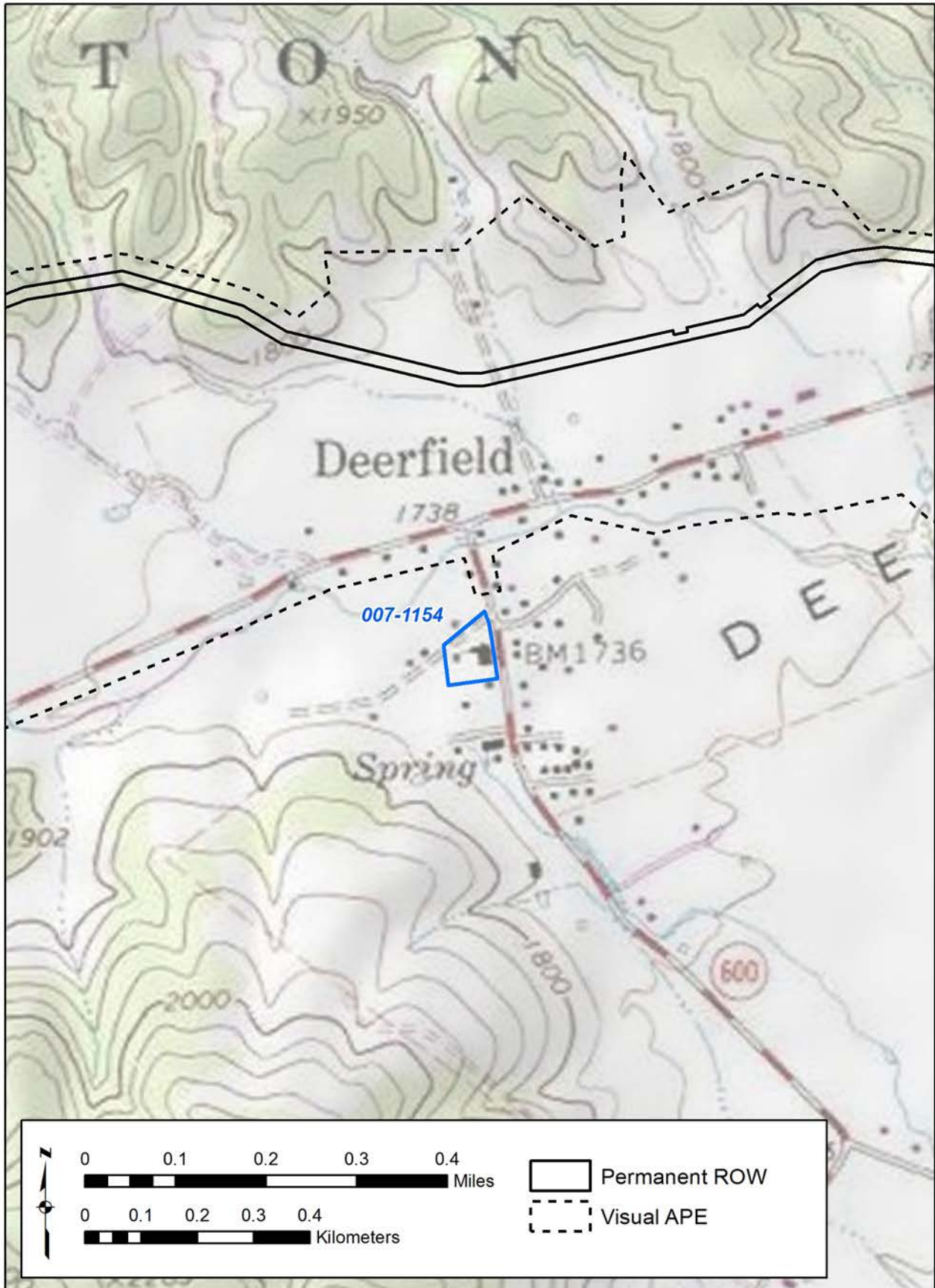


Figure 153. 007-1154 - USGS Quadrangle.



Figure 154. 007-1154 - Aerial.



Figure 155. 007-1154 - 3-D View.



Figure 156. 007-1154 - Viewshed.

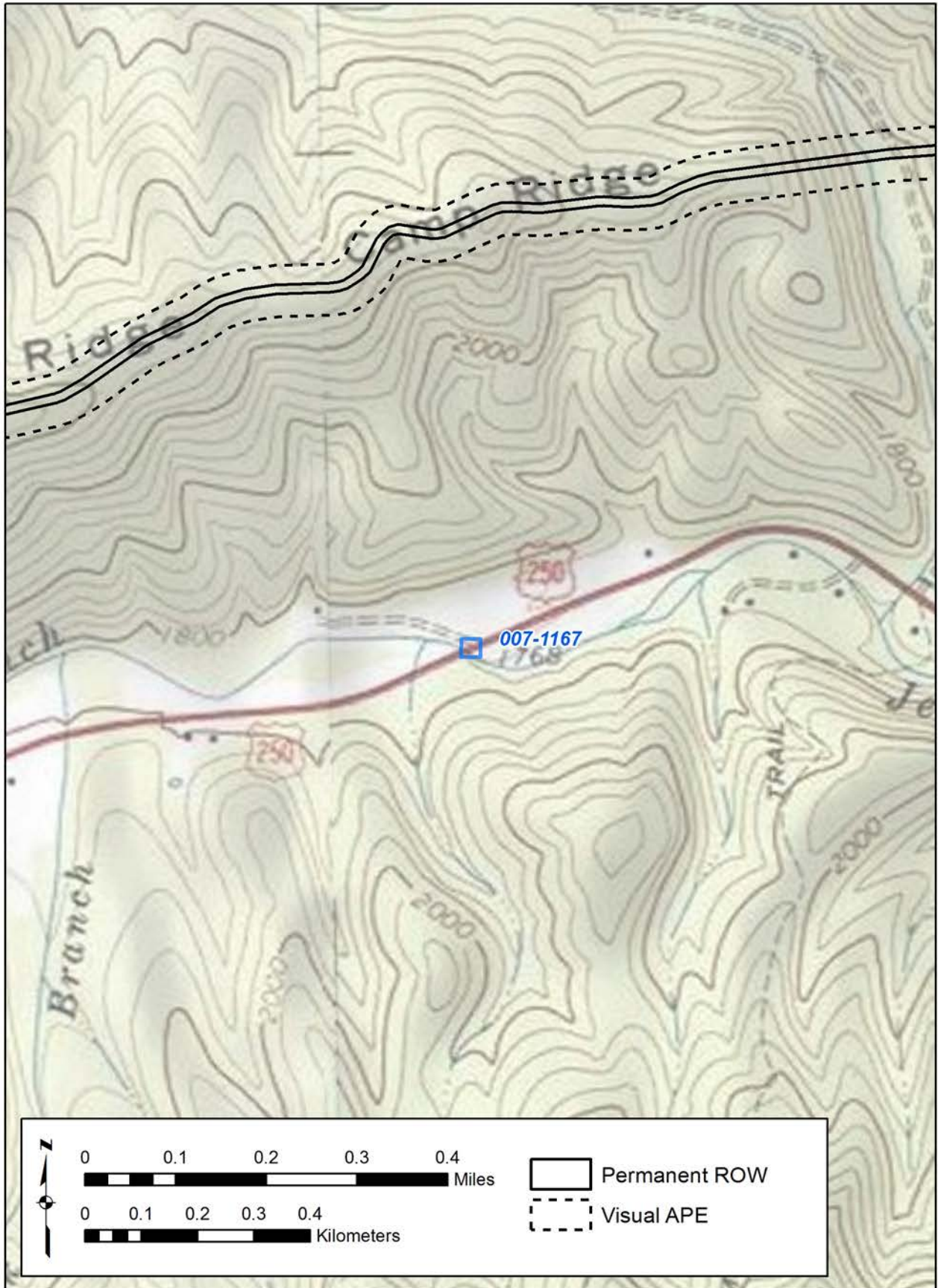


Figure 157. 007-1167 - USGS Quadrangle.



Figure 158. 007-1167 - Aerial.

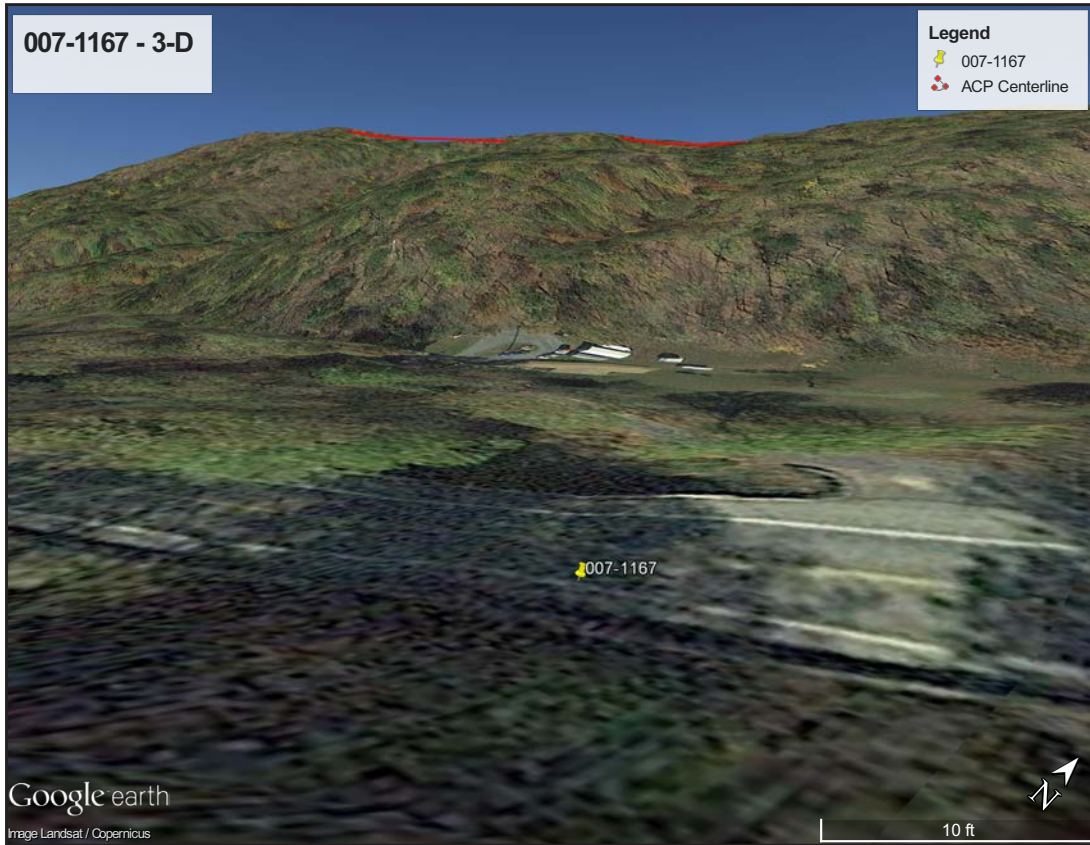


Figure 159. 007-1167 - 3-D View.

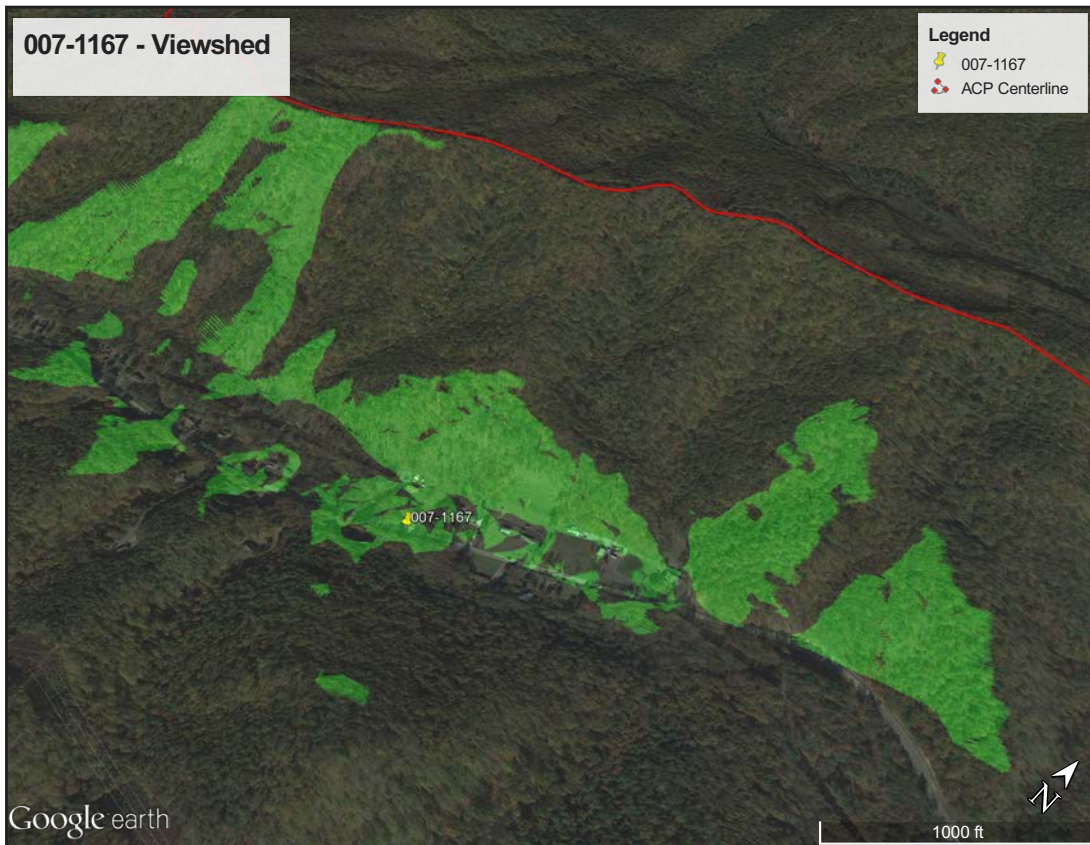


Figure 160. 007-1167 - Viewshed.



Figure 161. 007-1172 - USGS Quadrangle.

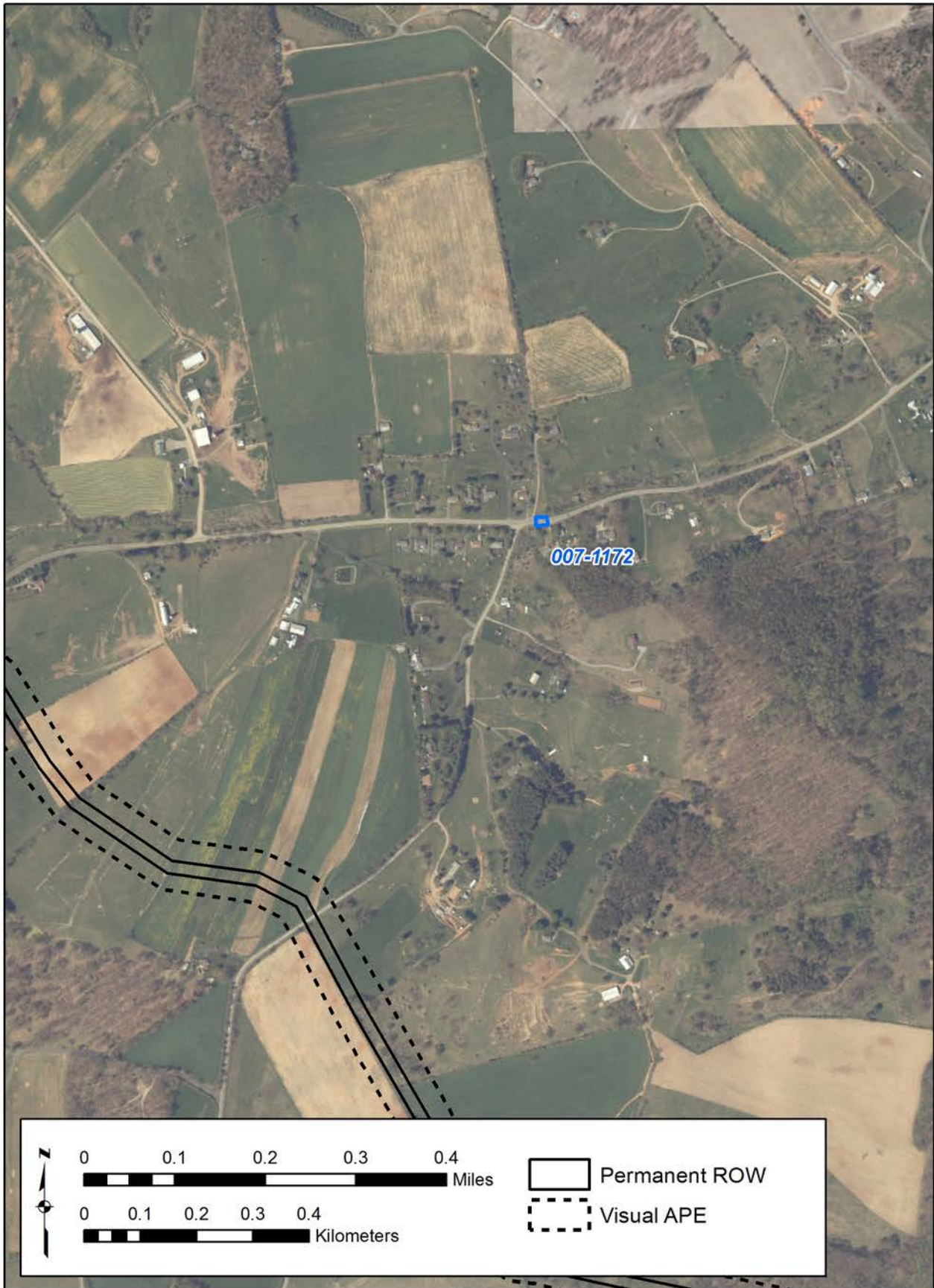


Figure 162. 007-1172 - Aerial.

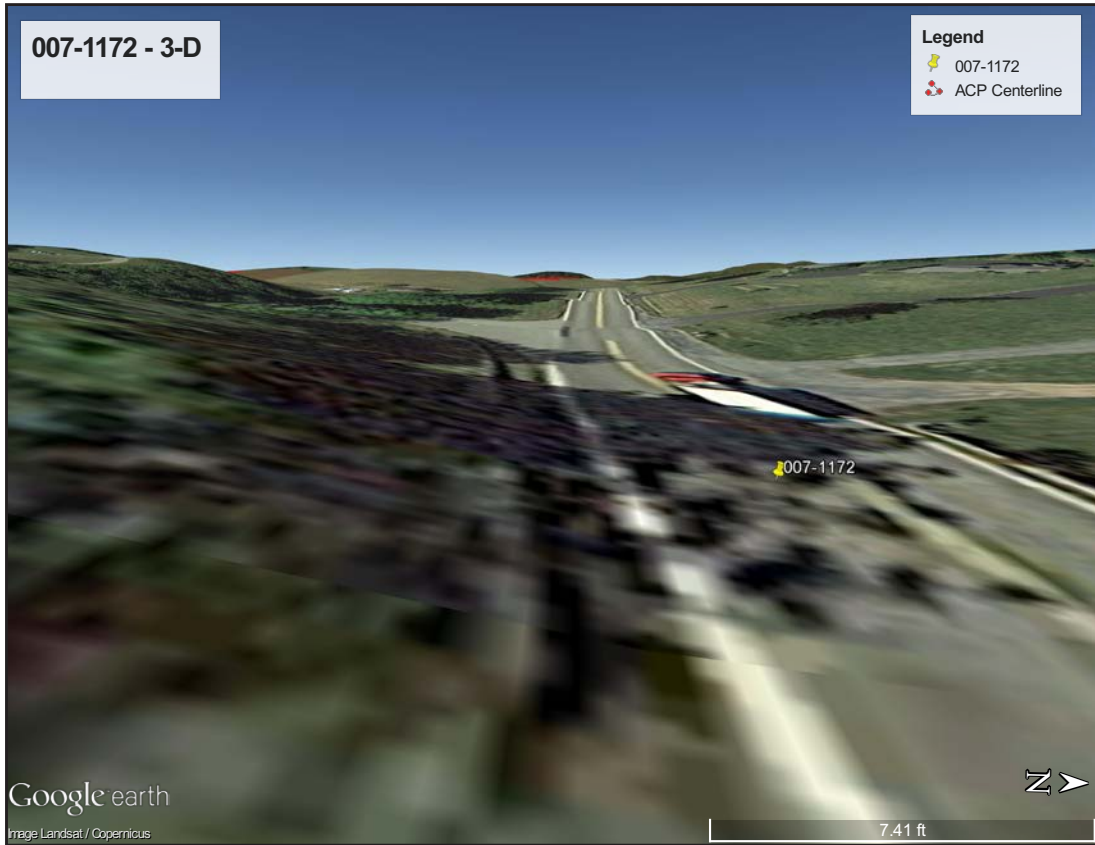


Figure 163. 007-1172 - 3-D View.

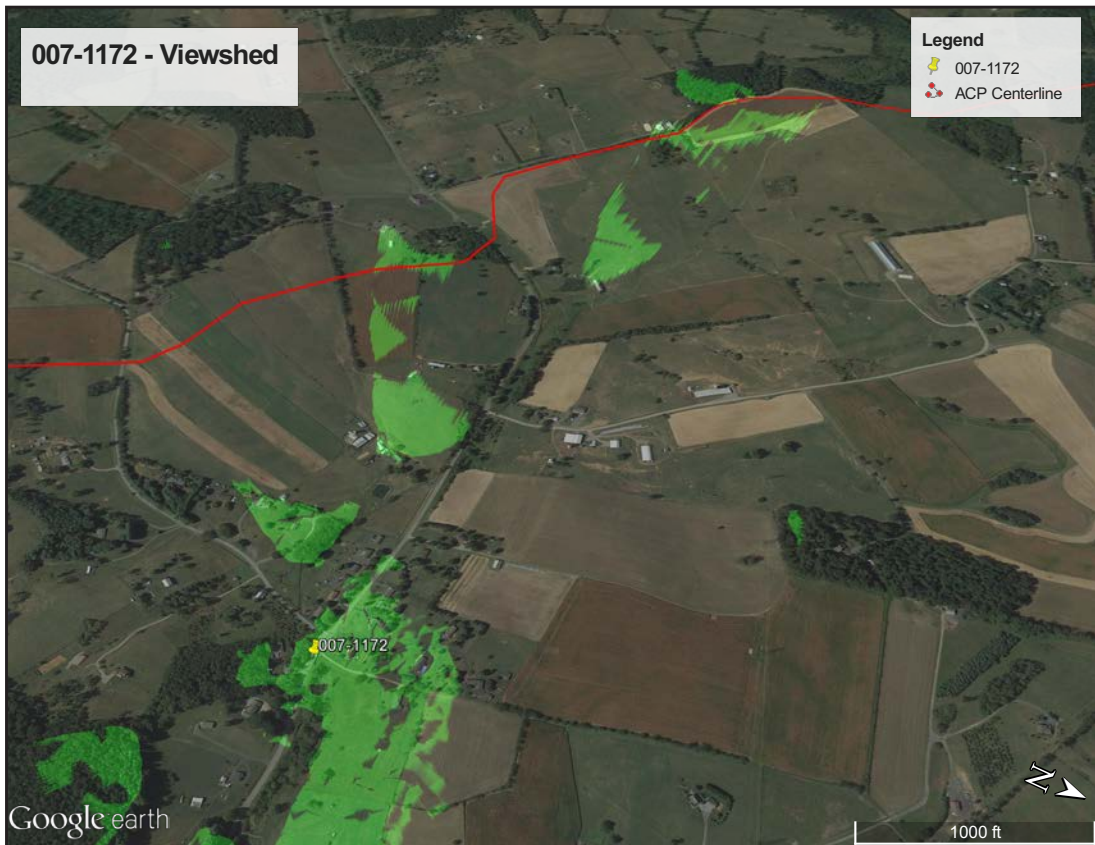


Figure 164. 007-1172 - Viewshed.



Figure 165. 007-1173 - USGS Quadrangle.



Figure 166. 007-1173 - Aerial.

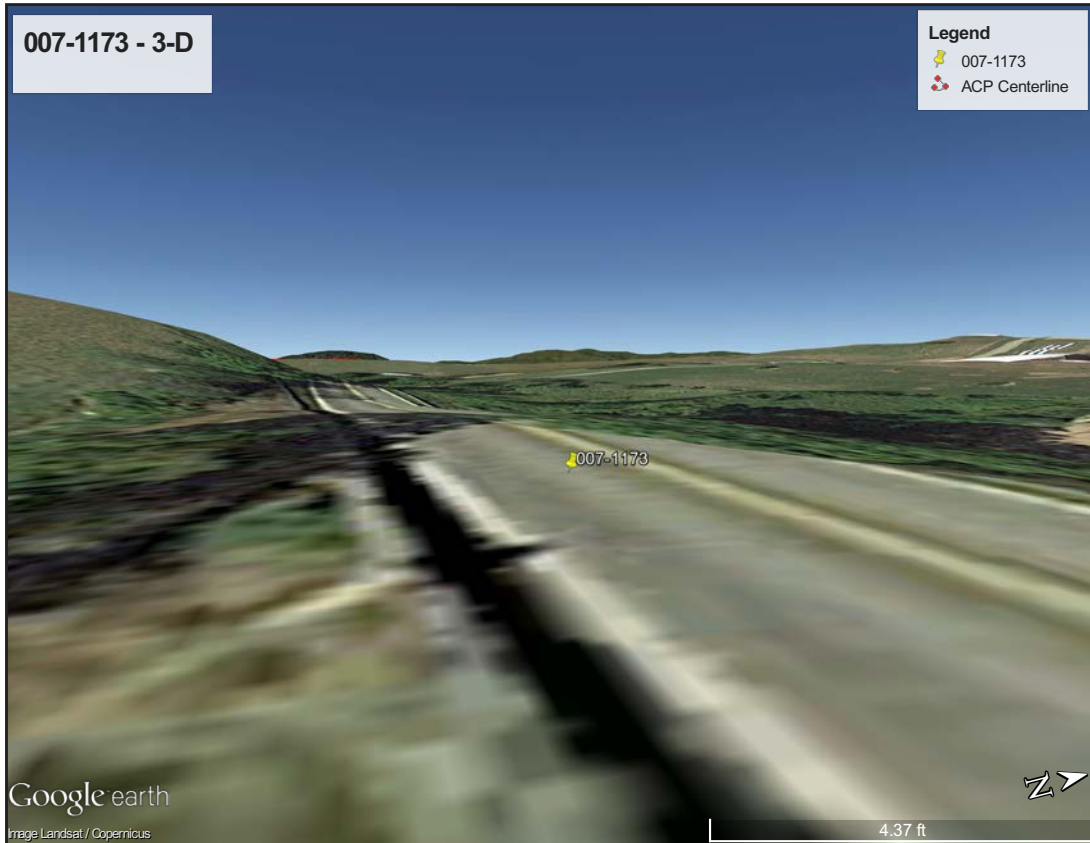


Figure 167. 007-1173 - 3-D View.

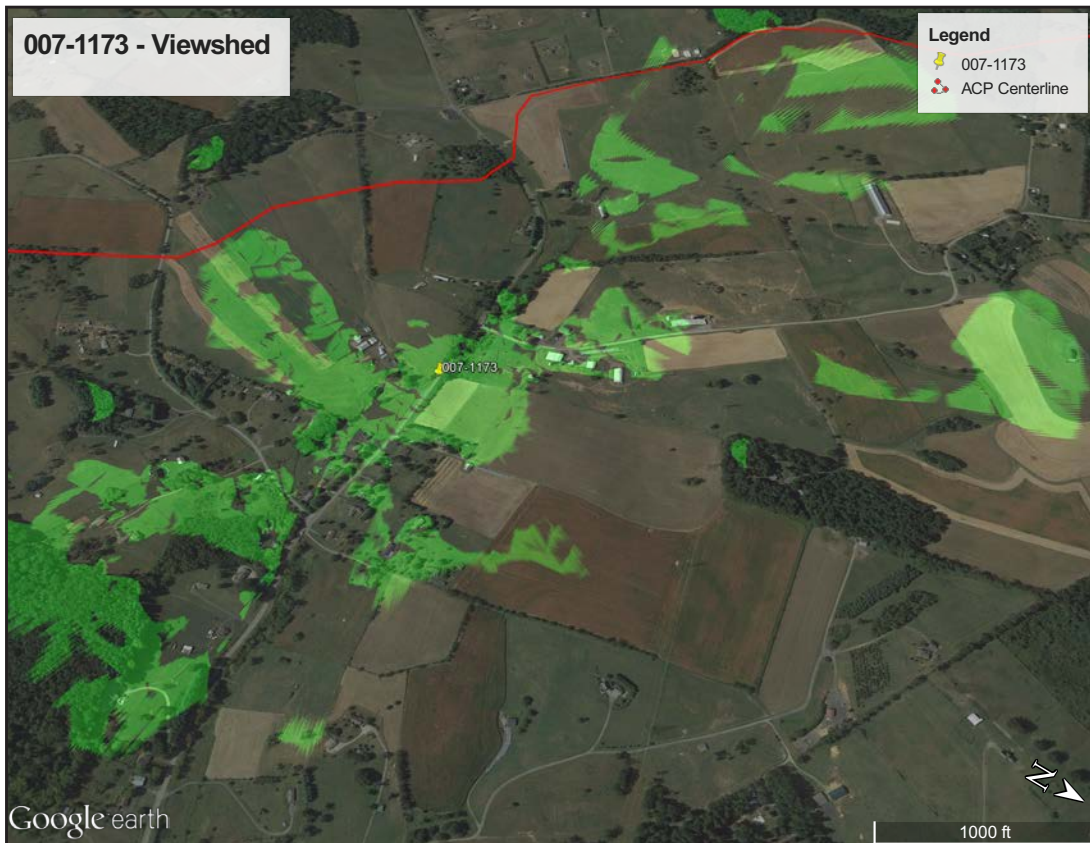


Figure 168. 007-1173 - Viewshed.



Figure 169. 007-1211 - USGS Quadrangle.

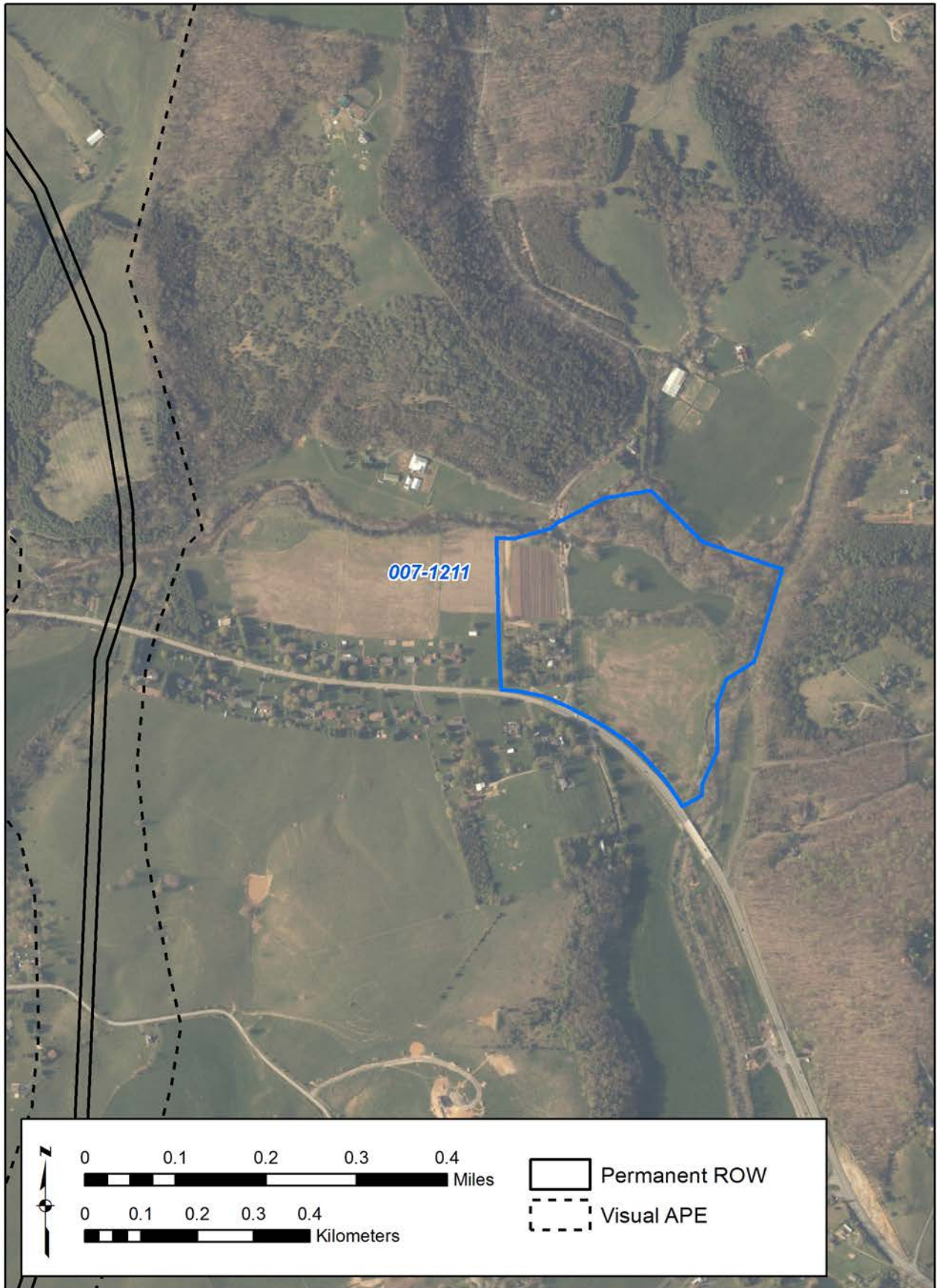


Figure 170. 007-1211 - Aerial.

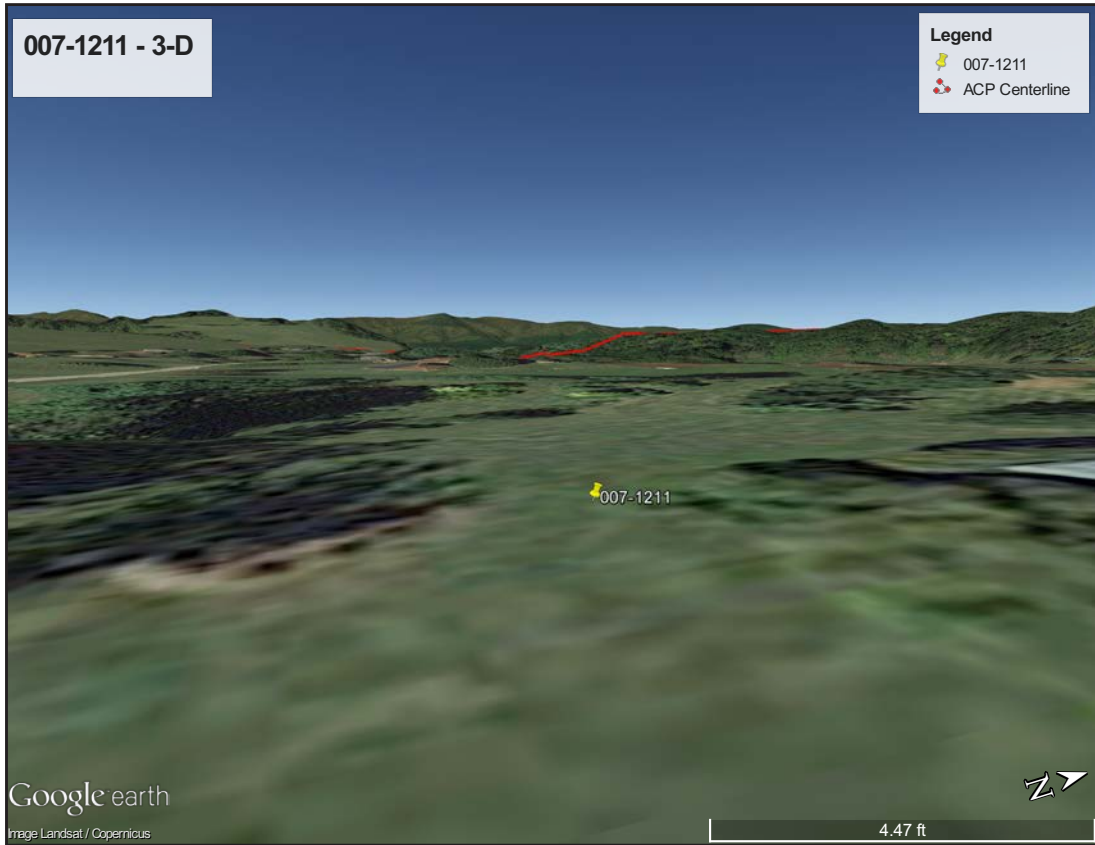


Figure 171. 007-1211 - 3-D View.

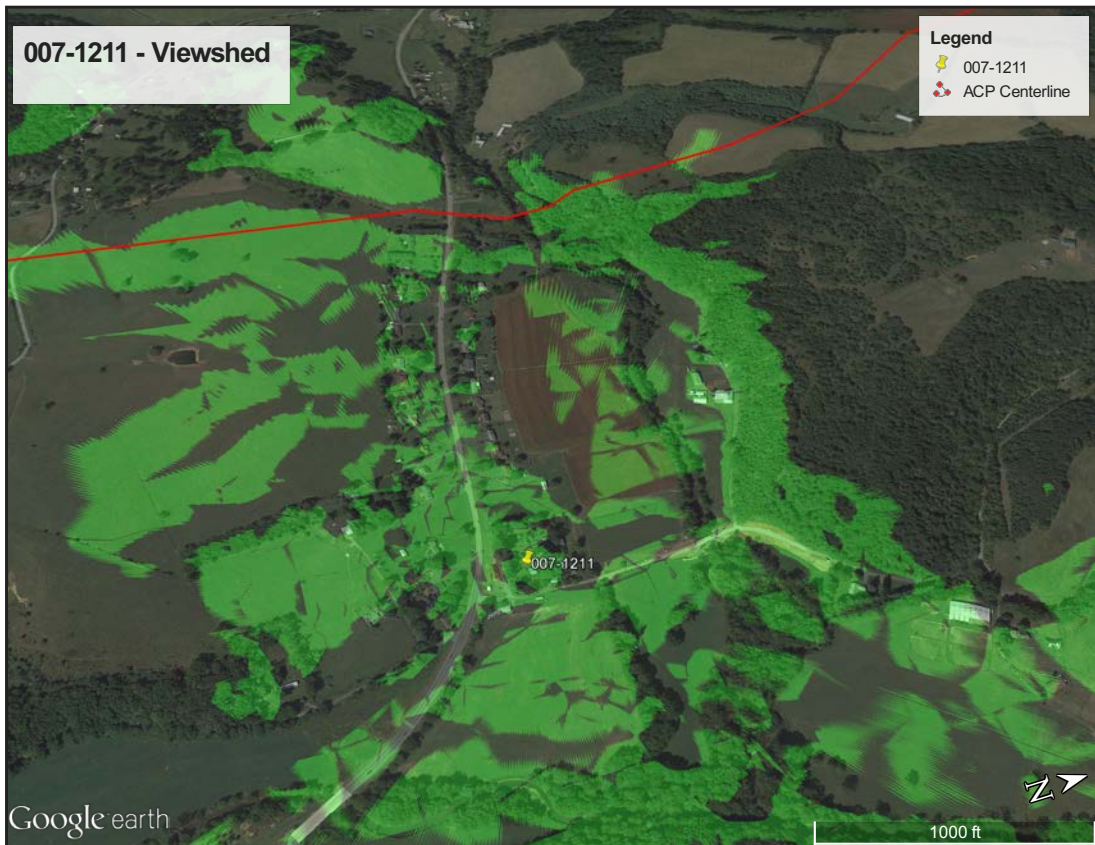


Figure 172. 007-1211 - Viewshed.

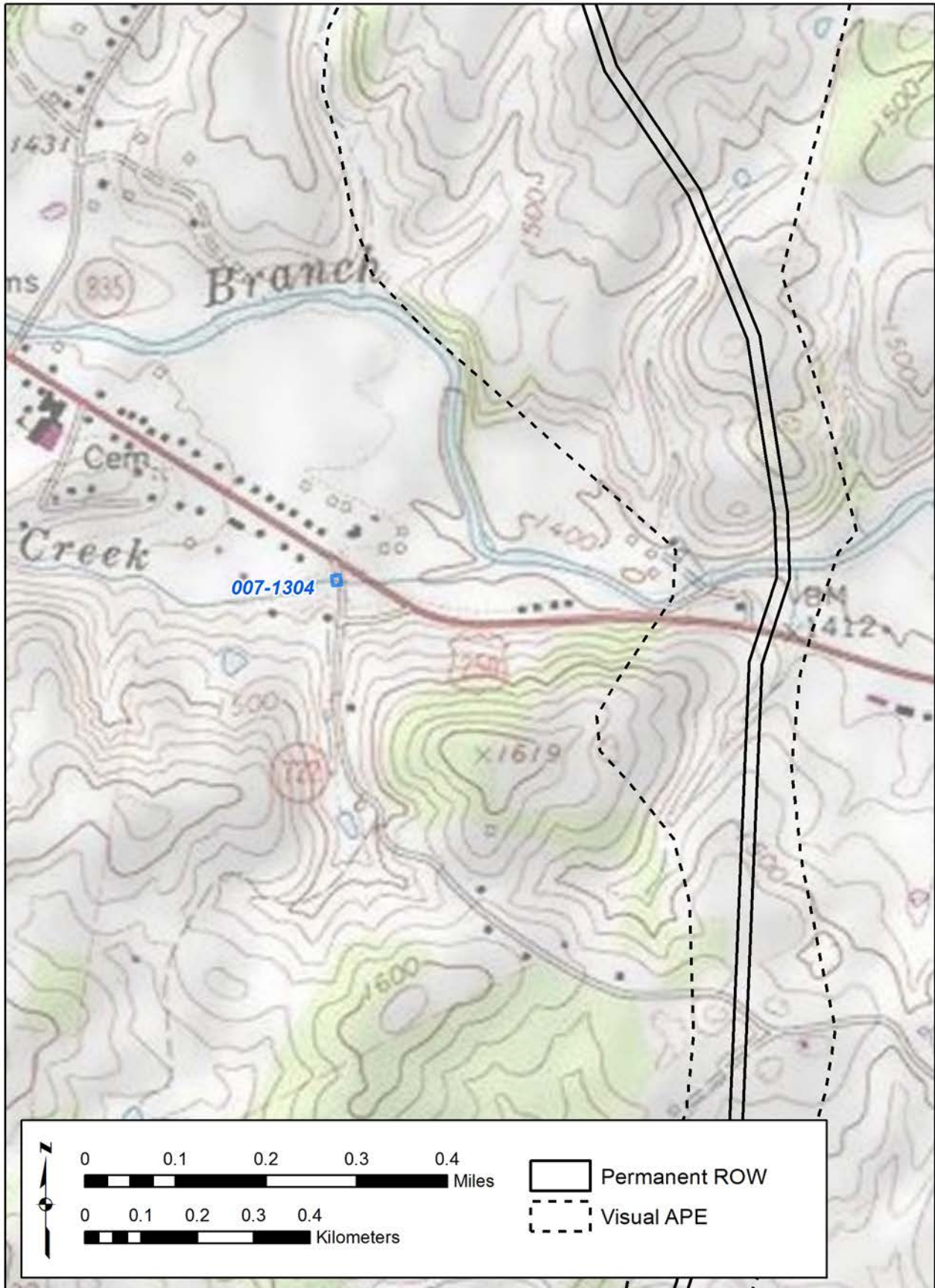


Figure 173. 007-1304 - USGS Quadrangle.



Figure 174. 007-1304 - Aerial.



Figure 175. 007-1304 - 3-D View.



Figure 176. 007-1304 - Viewshed.

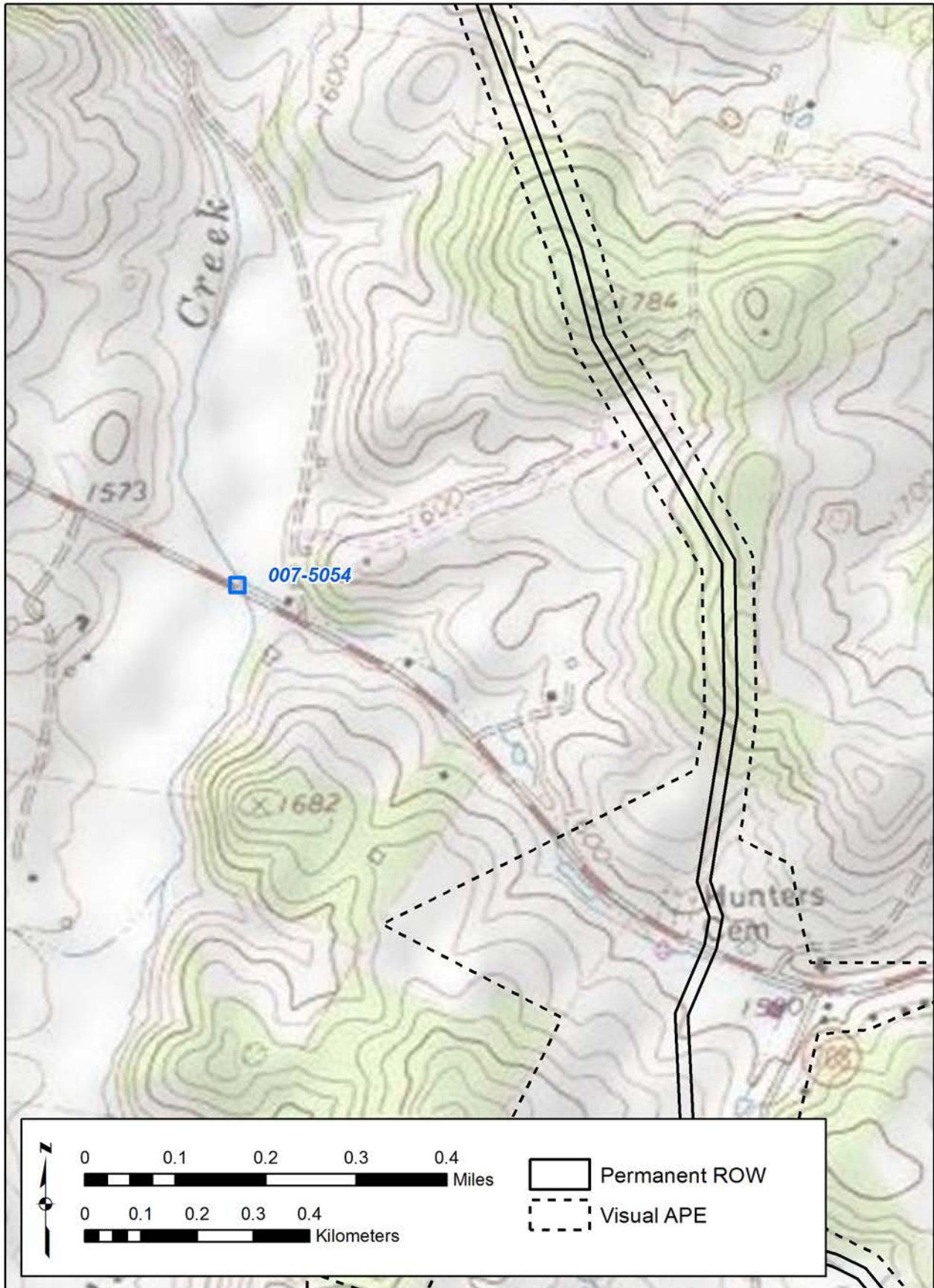


Figure 177. 007-5054 - USGS Quadrangle.

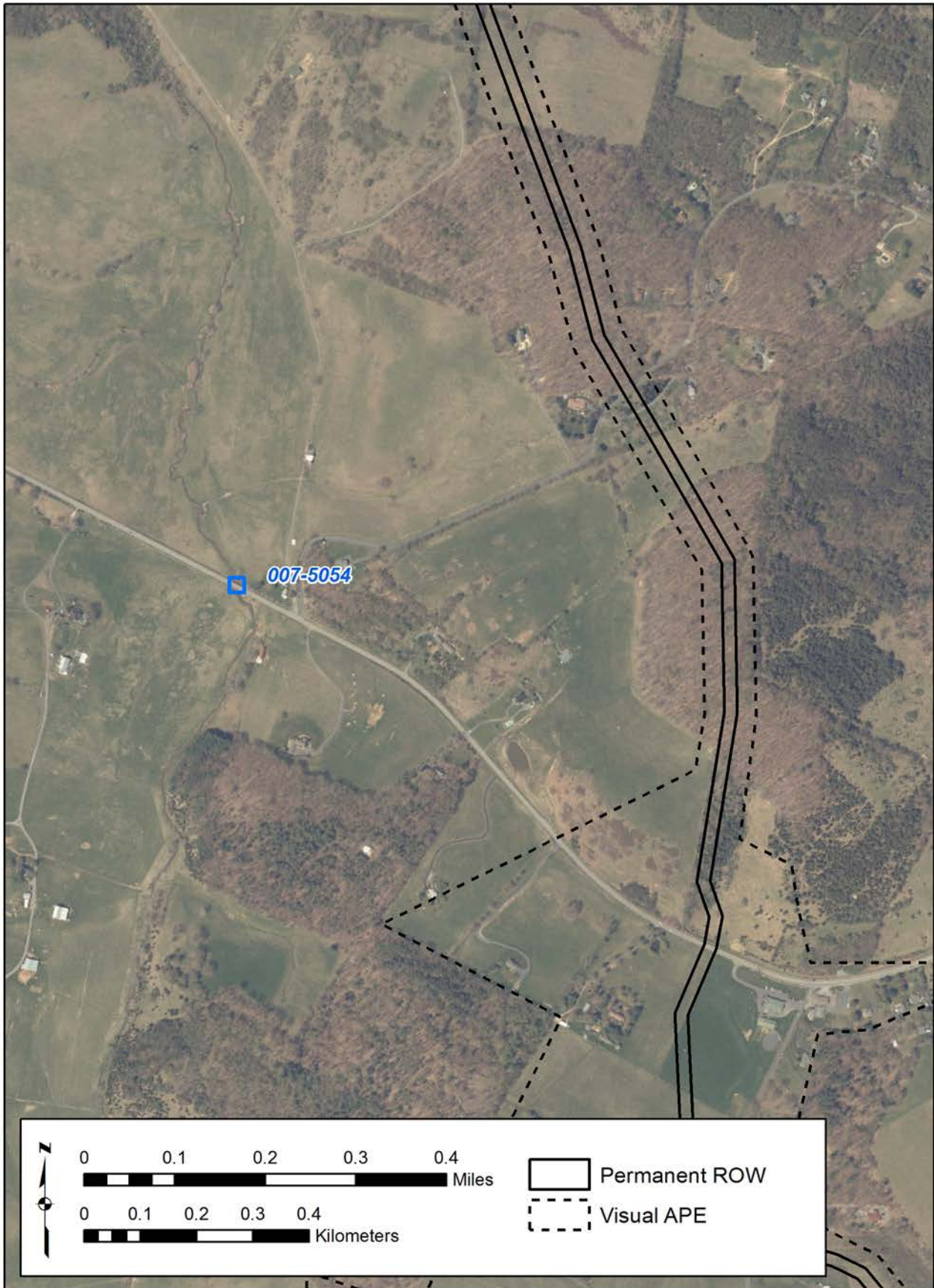


Figure 178. 007-5054 - Aerial.



Figure 179. 007-5054 - 3-D View.

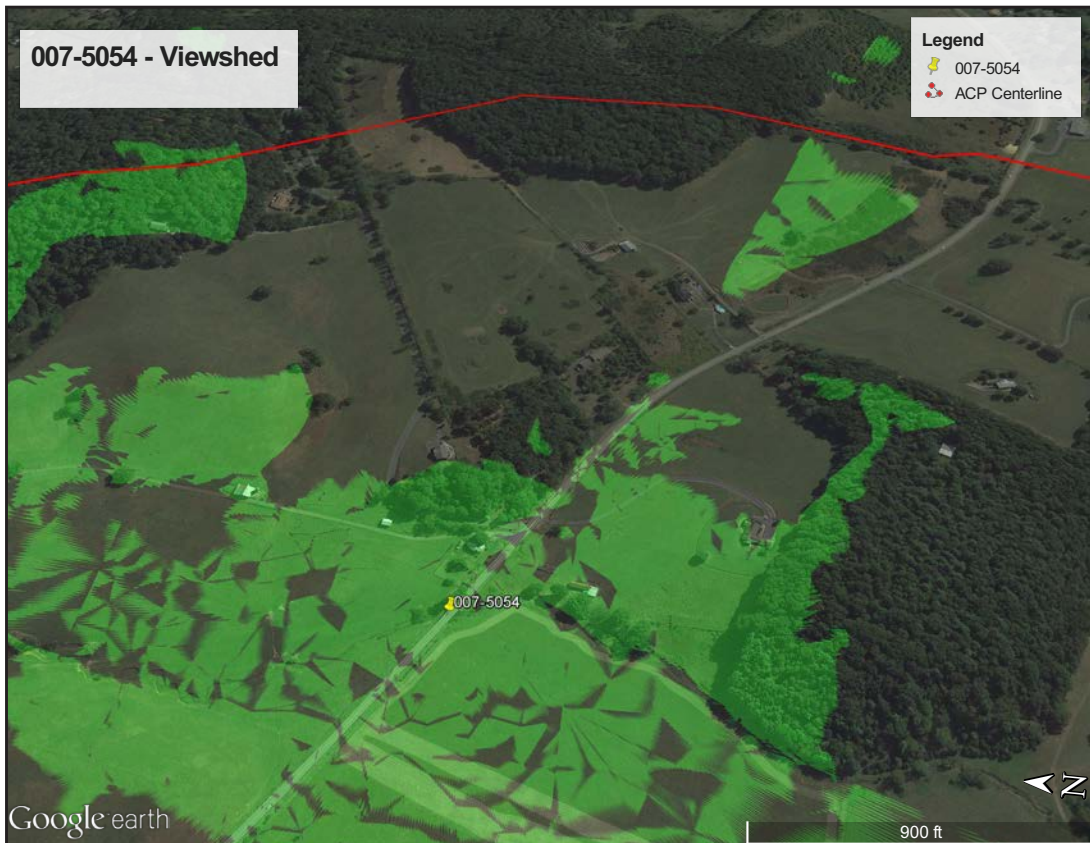


Figure 180. 007-5054 - Viewshed.

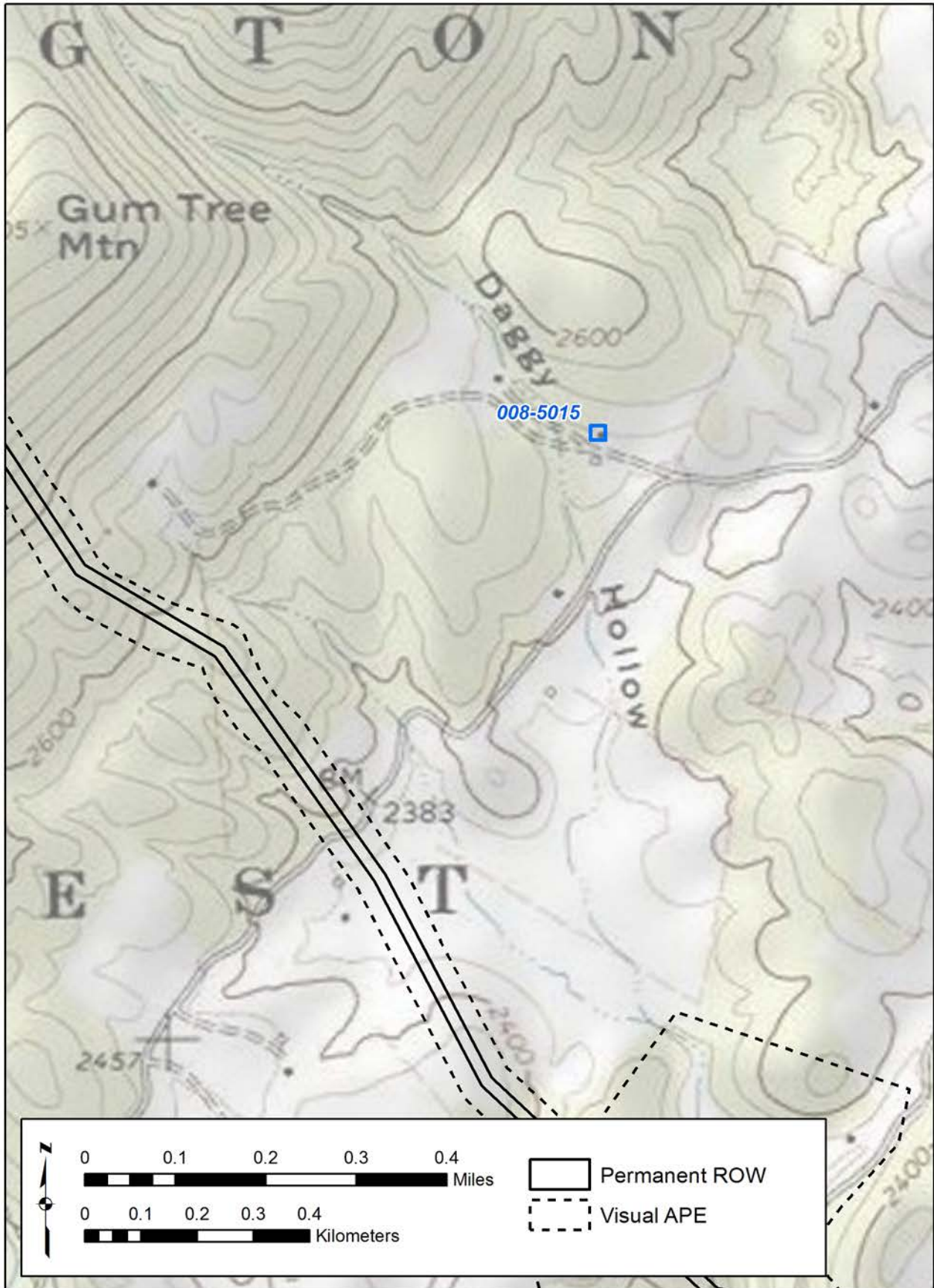


Figure 181. 008-5015 - USGS Quadrangle.



Figure 182. 008-5015 - Aerial.



Figure 183. 008-5015 - 3-D View.

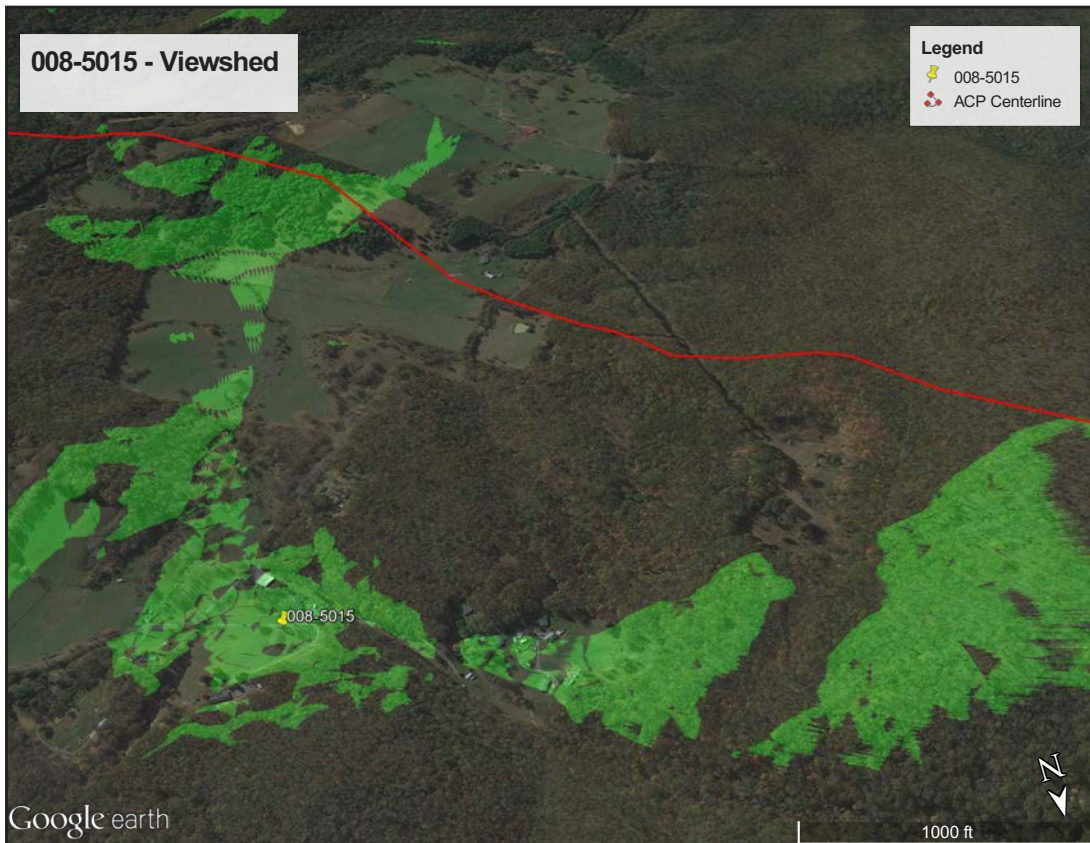


Figure 184. 008-5015 - Viewshed.

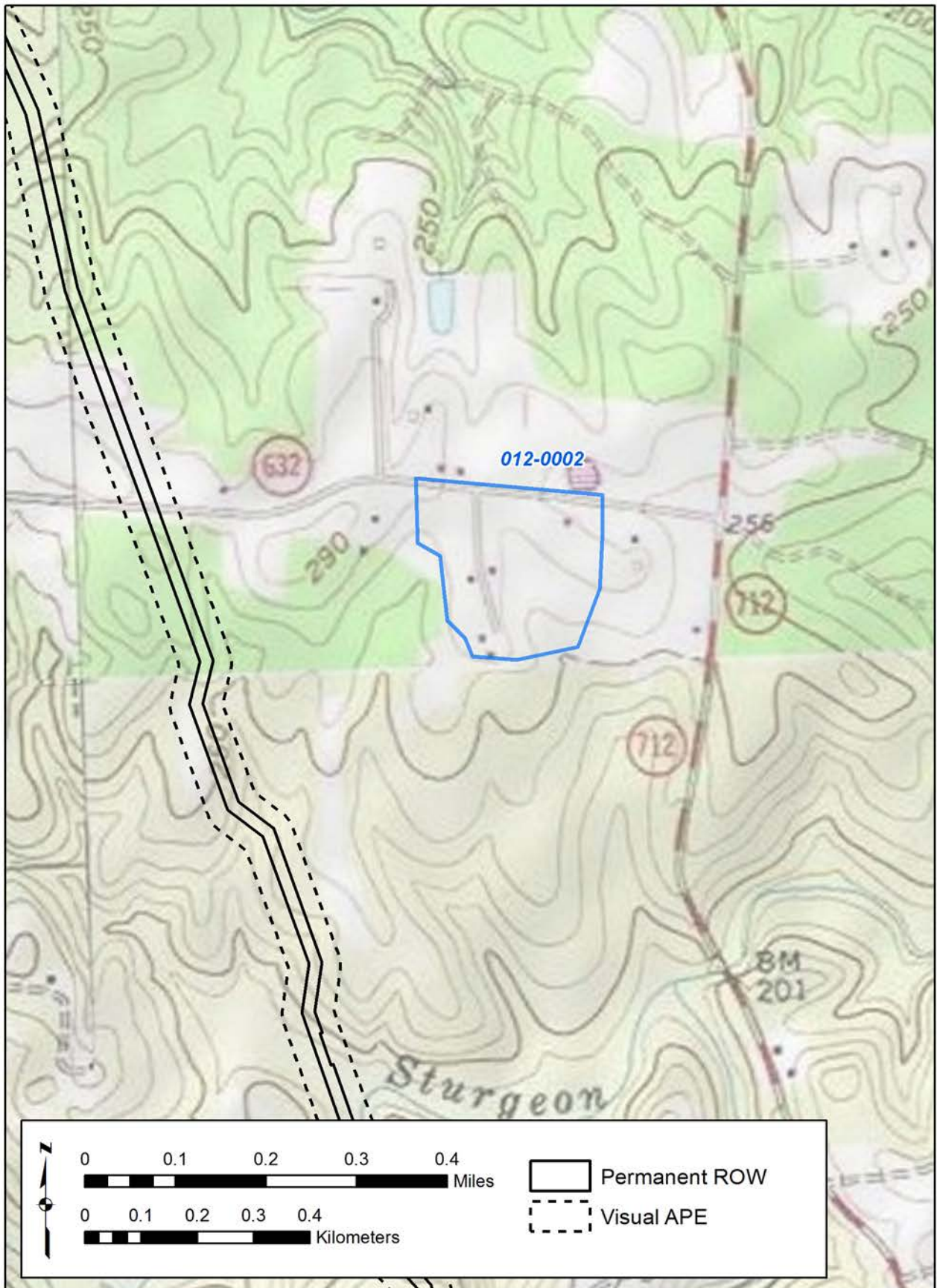


Figure 185. 012-0002 - USGS Quadrangle.

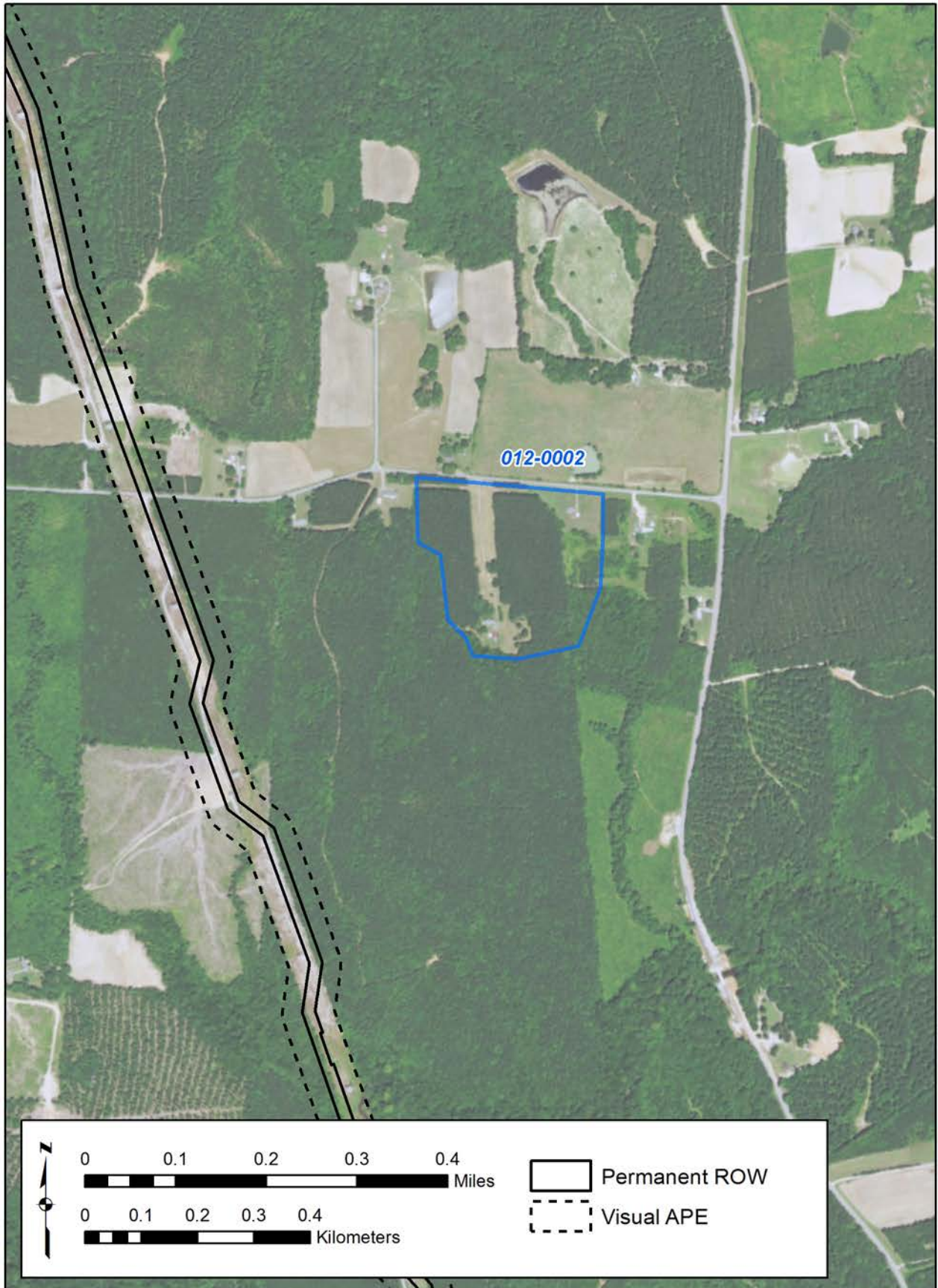


Figure 186. 012-0002 - Aerial.

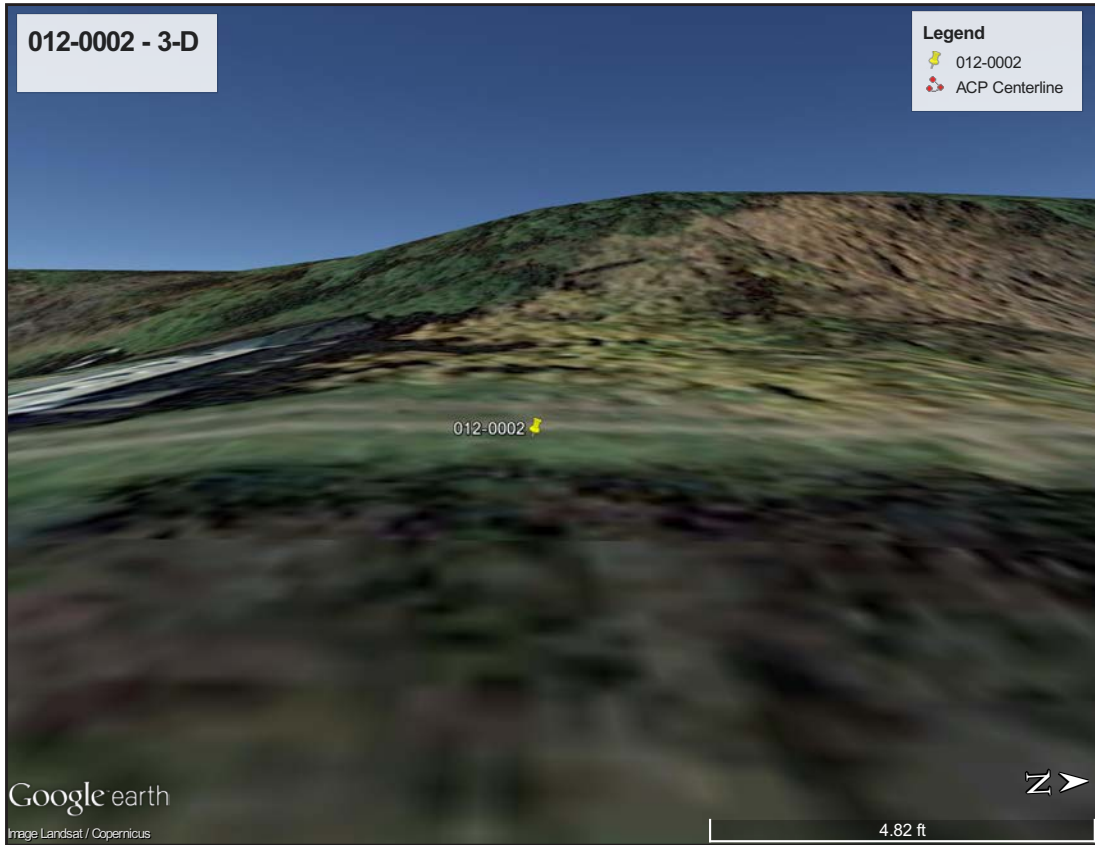


Figure 187. 012-0002 - 3-D View.

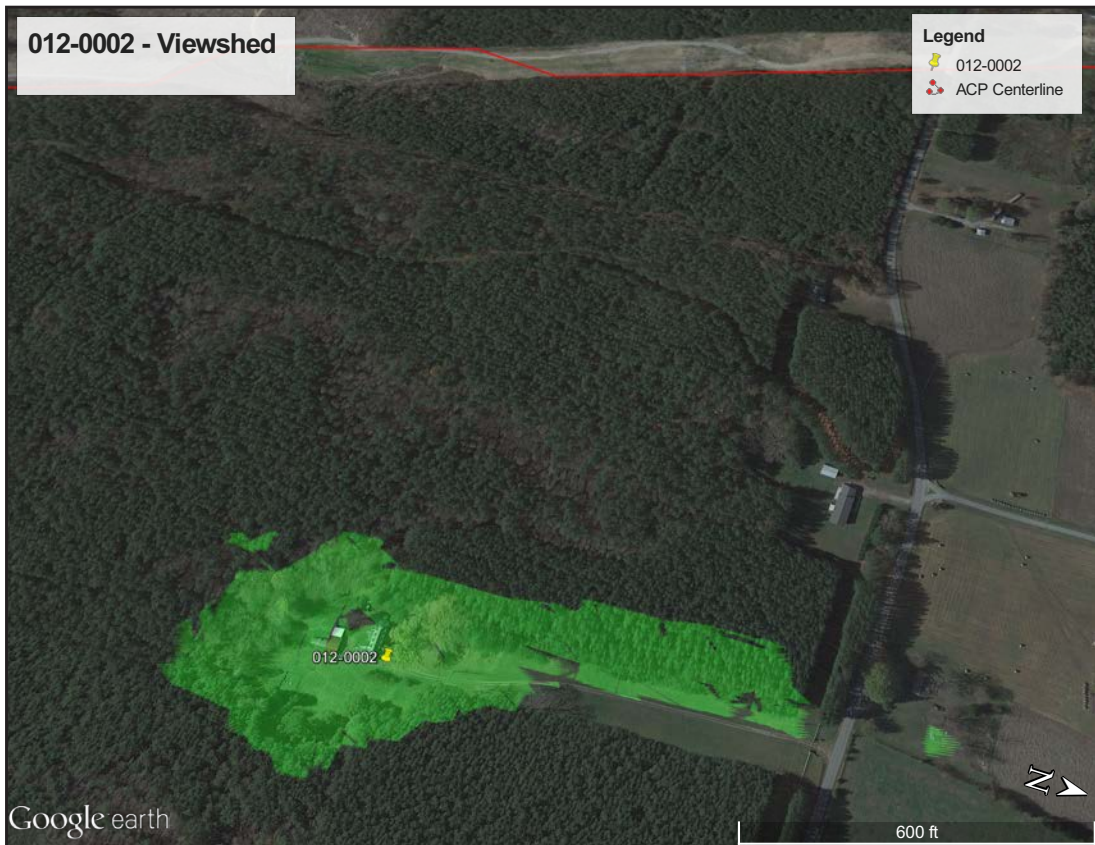


Figure 188. 012-0002 - Viewshed.

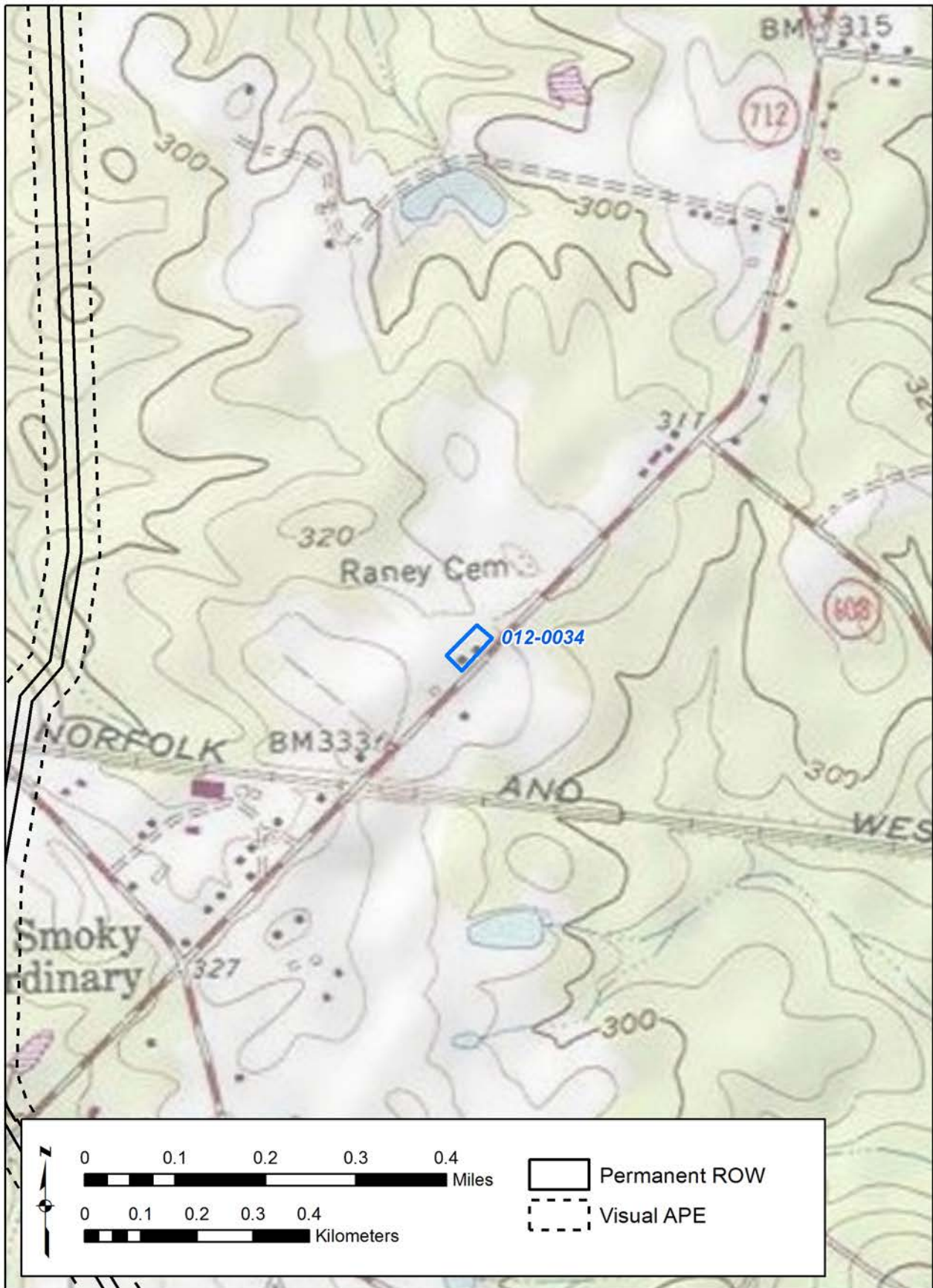


Figure 189. 012-0034 - USGS Quadrangle.



Figure 190. 012-0034 - Aerial.



Figure 191. 012-0034 - 3-D View.

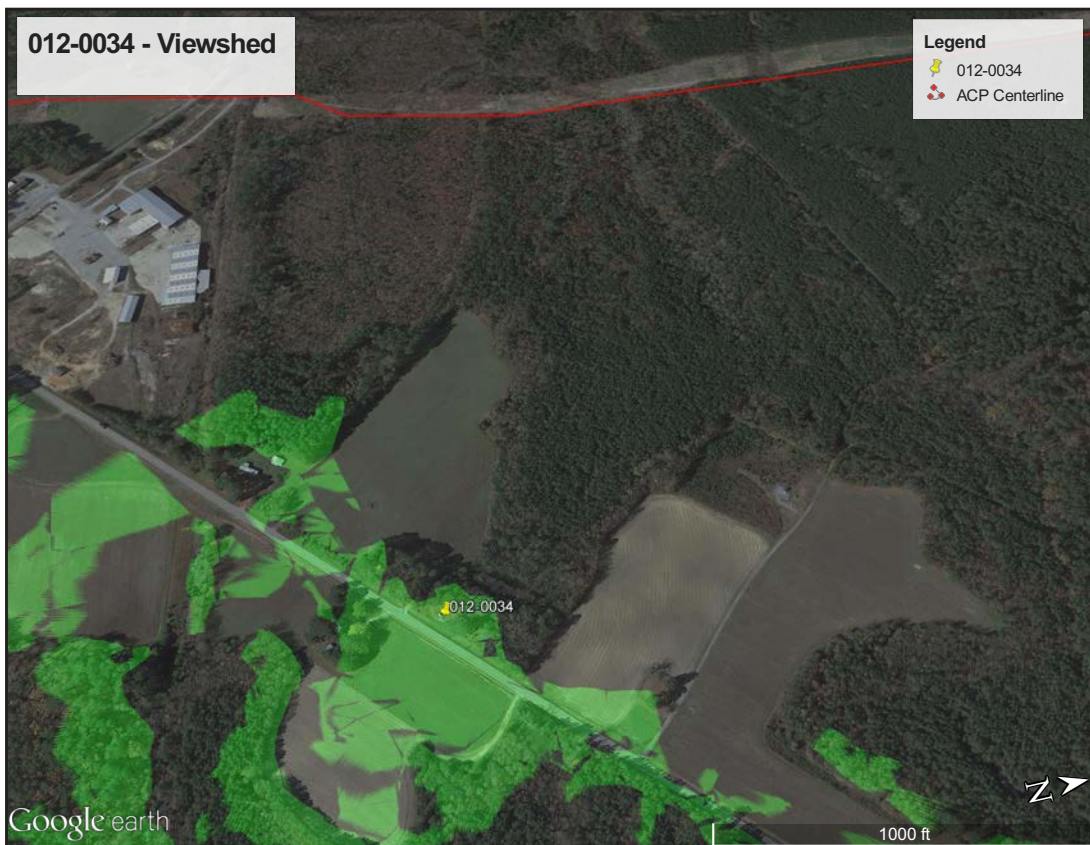


Figure 192. 012-0034 - Viewshed.

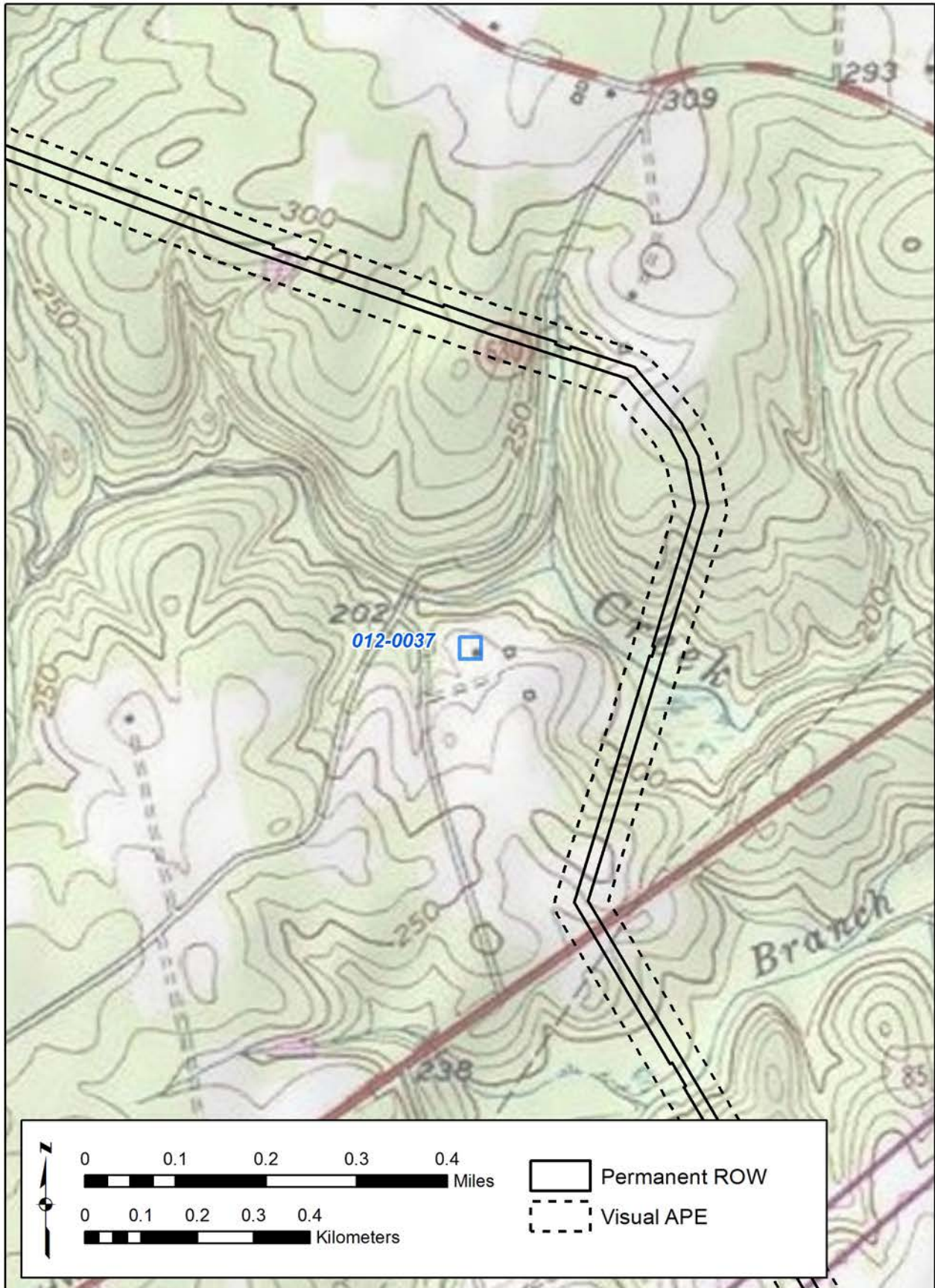


Figure 193. 012-0037 - USGS Quadrangle.

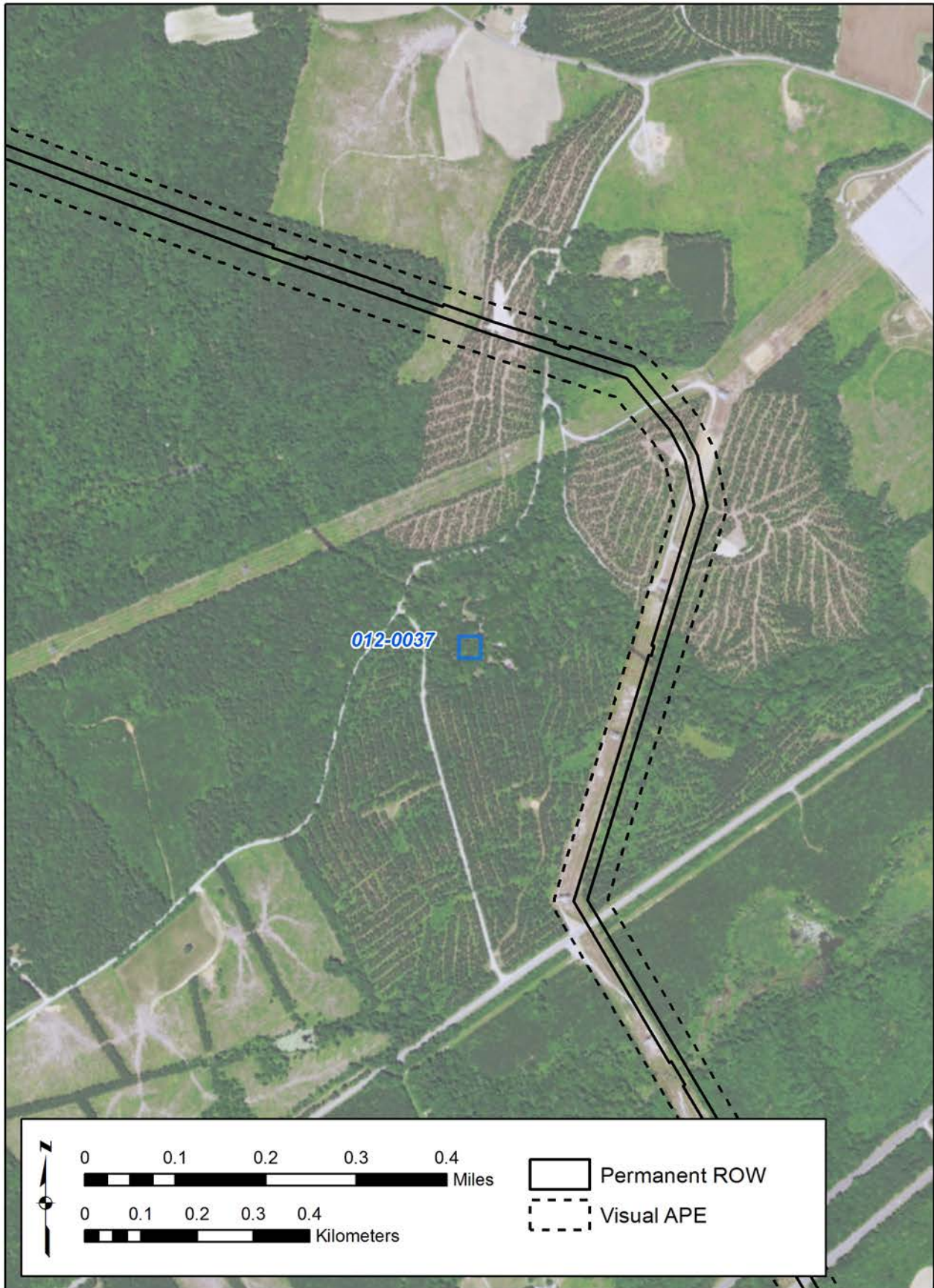


Figure 194. 012-0037 - Aerial.



Figure 195. 012-0037 - 3-D View.

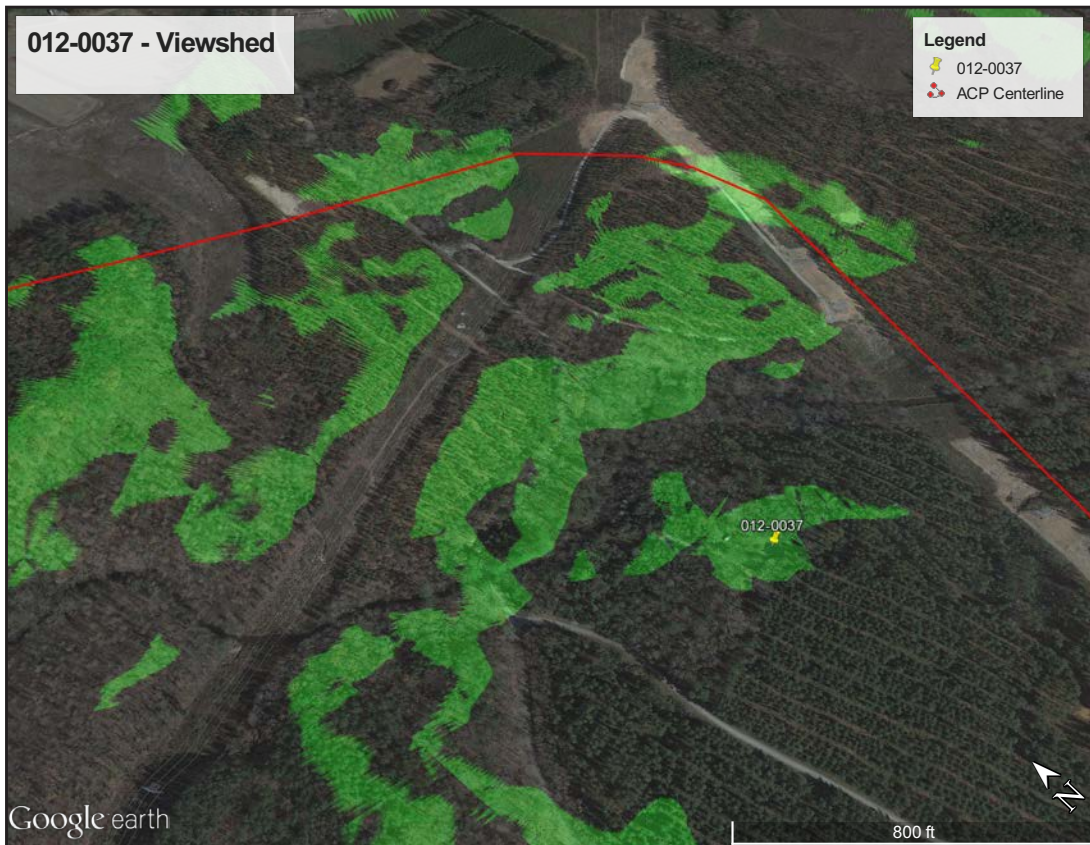


Figure 196. 012-0037 - Viewshed.

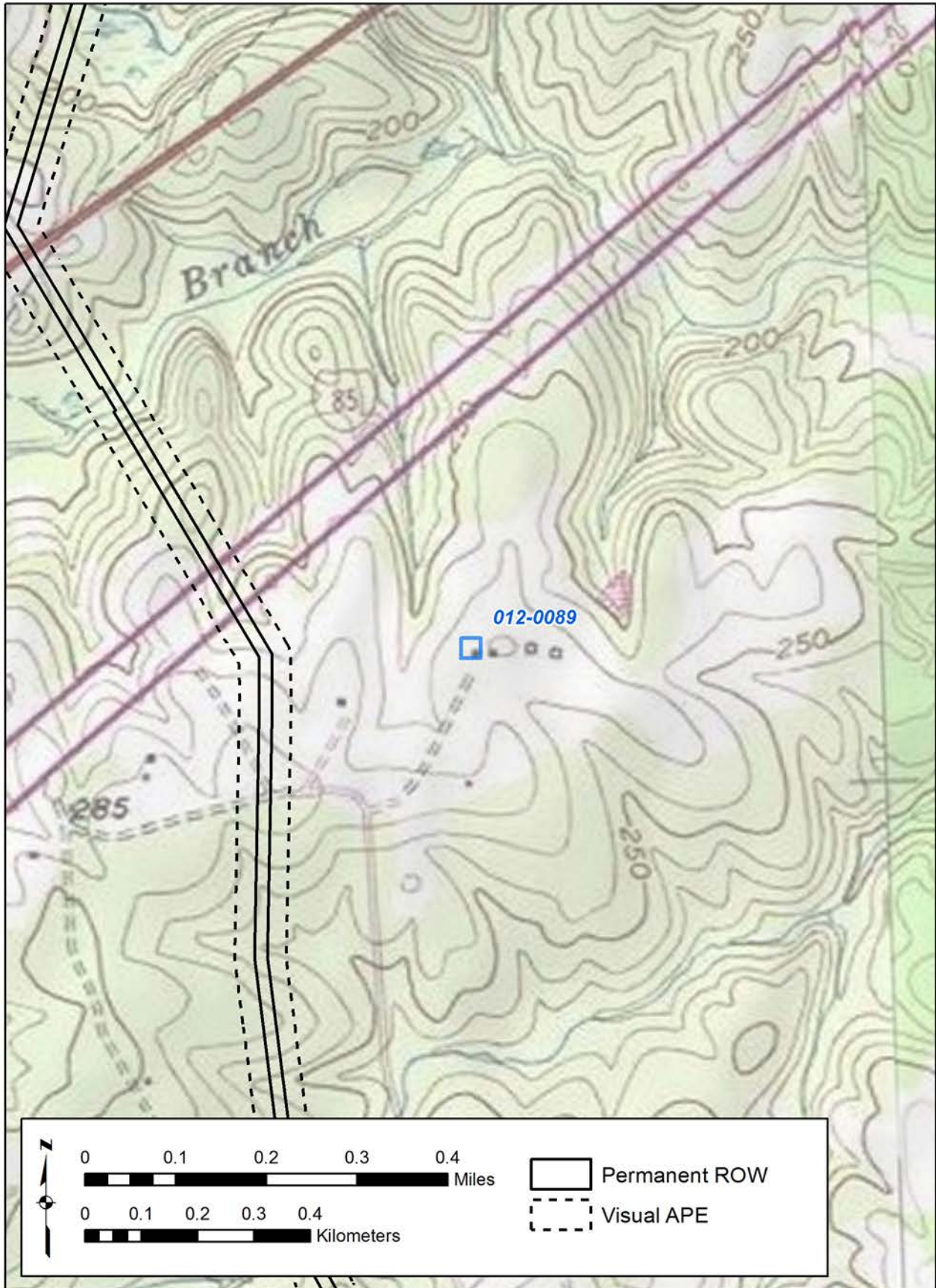


Figure 197. 012-0089 - USGS Quadrangle.

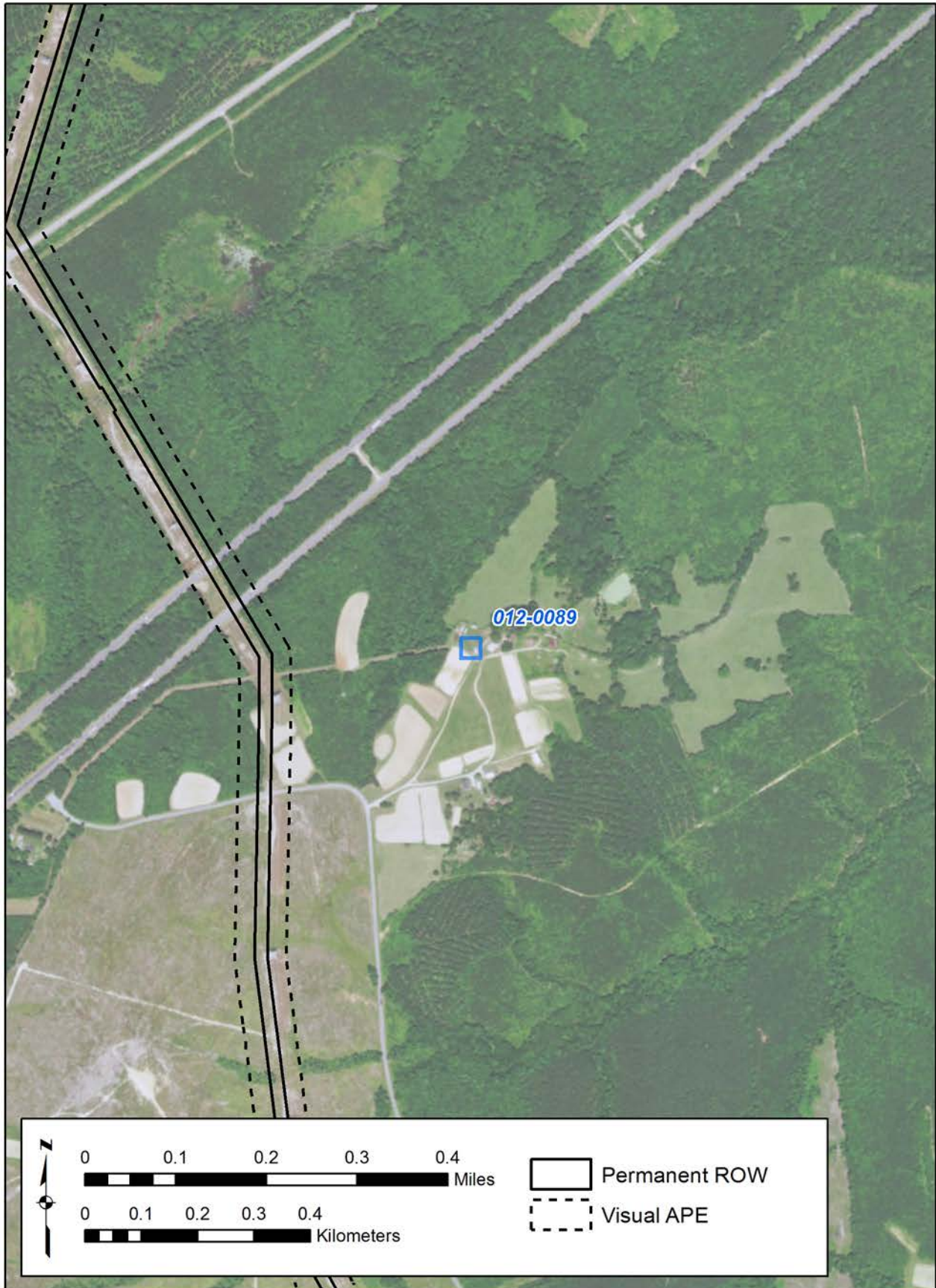


Figure 198. 012-0089 - Aerial.

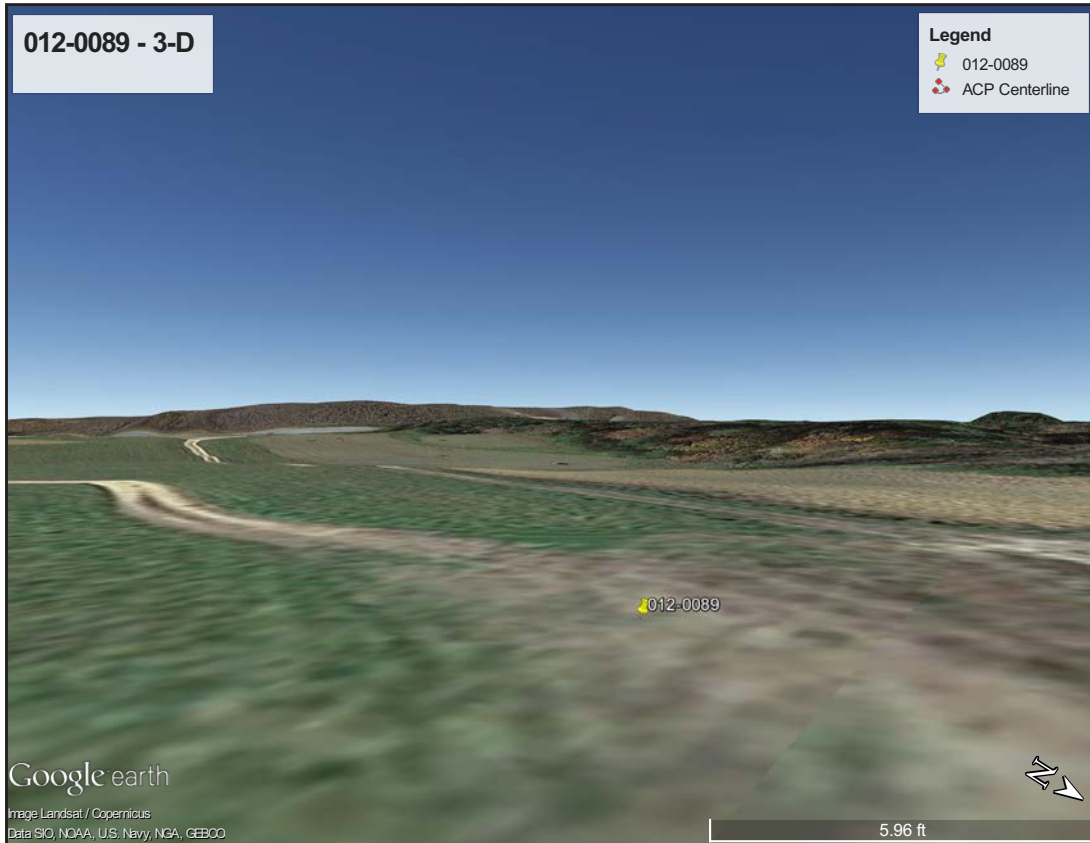


Figure 199. 012-0089 - 3-D View.

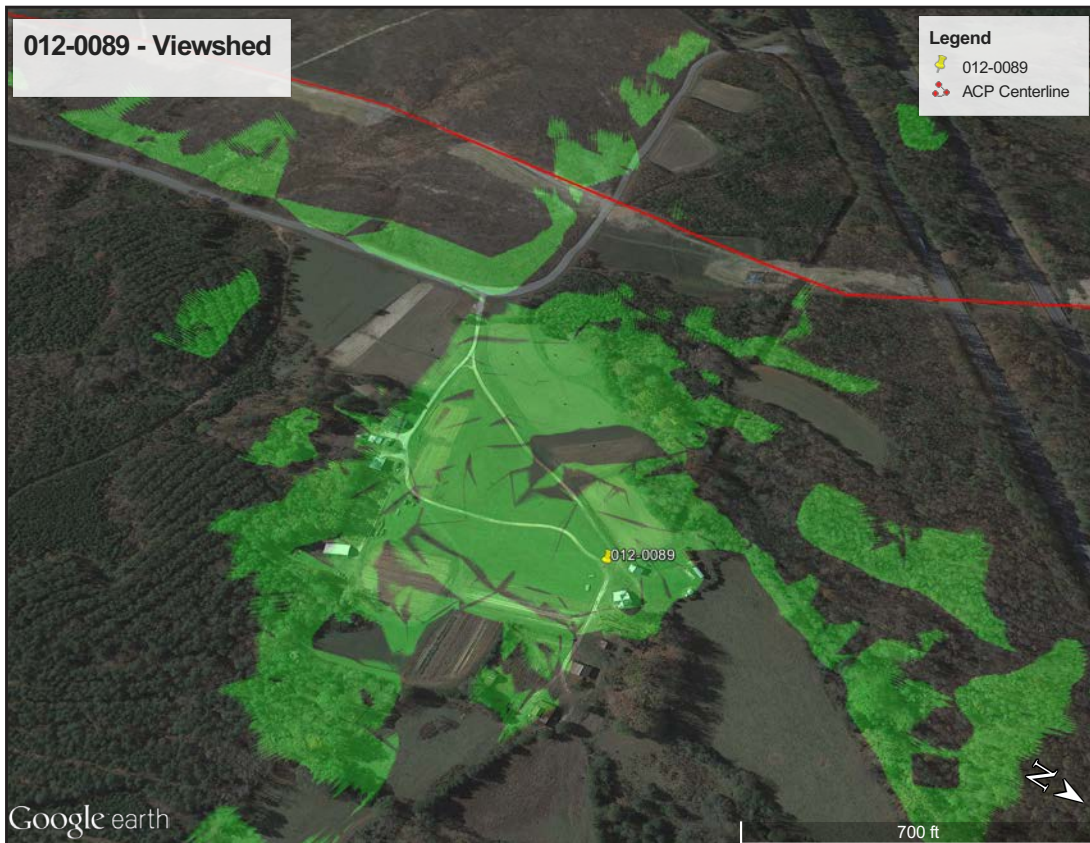


Figure 200. 012-0089 - Viewshed.

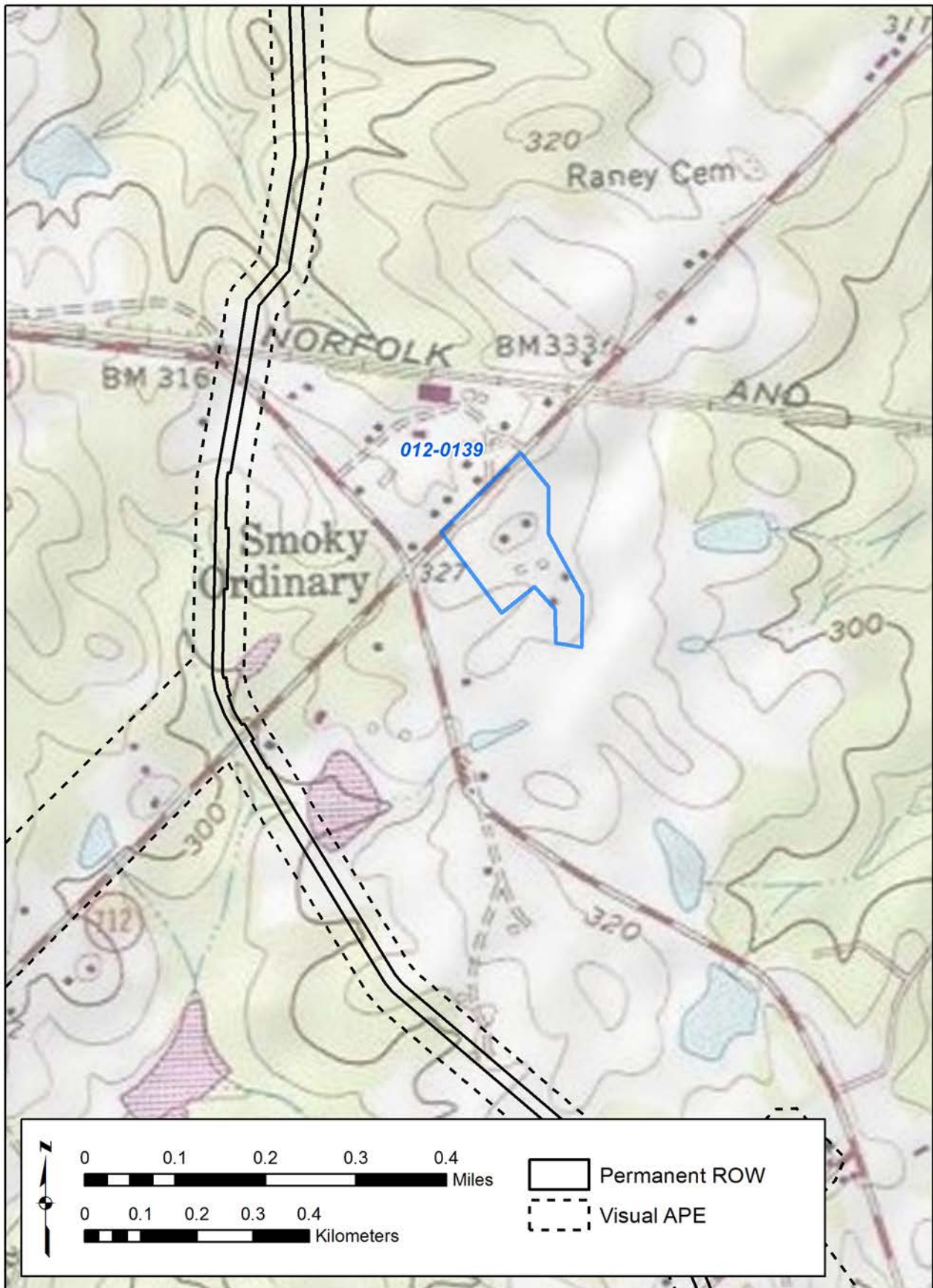


Figure 201. 012-0139 - USGS Quadrangle.



Figure 202. 012-0139 - Aerial.



Figure 203. 012-0139 - 3-D View.



Figure 204. 012-0139 - Viewshed.

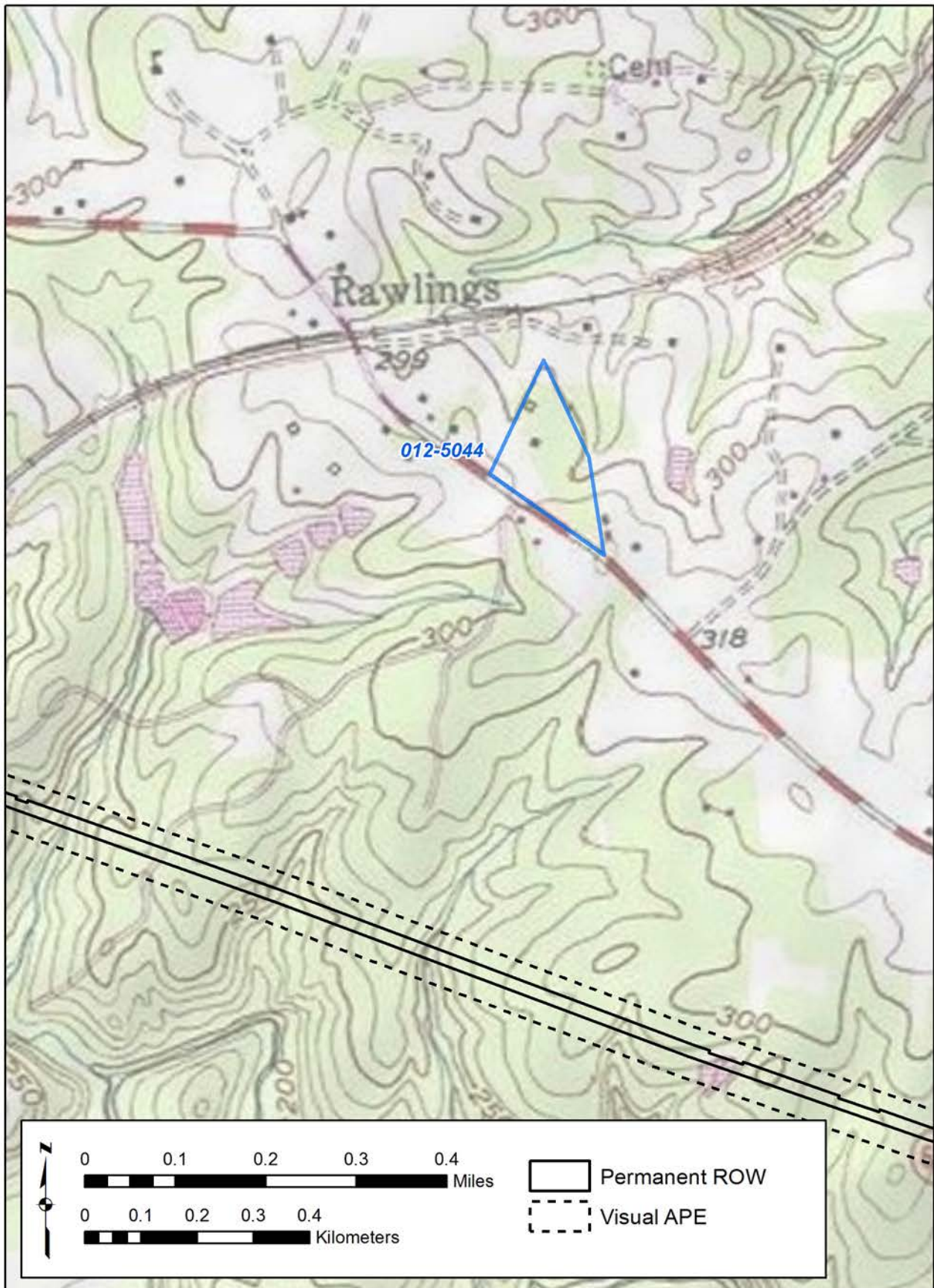


Figure 205. 012-5044 - USGS Quadrangle.

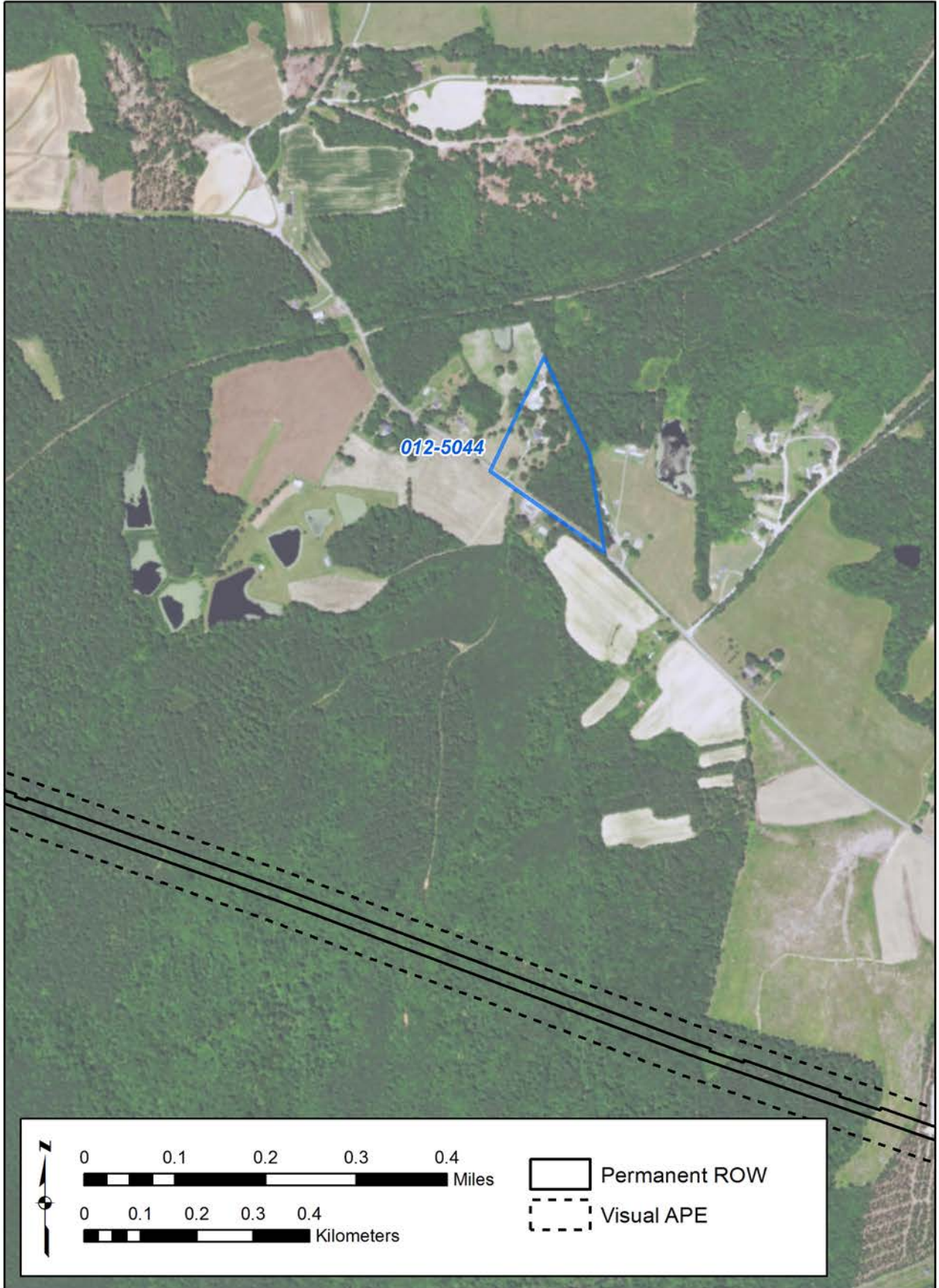


Figure 206. 012-5044 - Aerial.

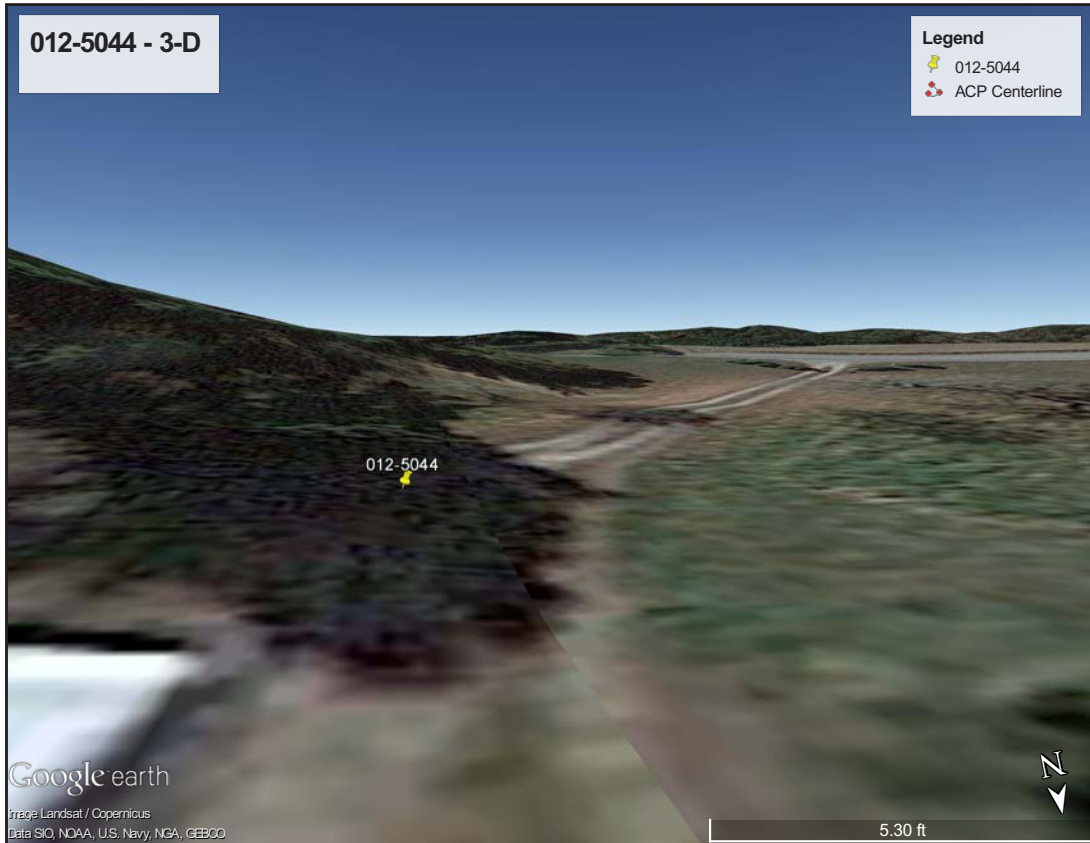


Figure 207. 012-5044 - 3-D View.

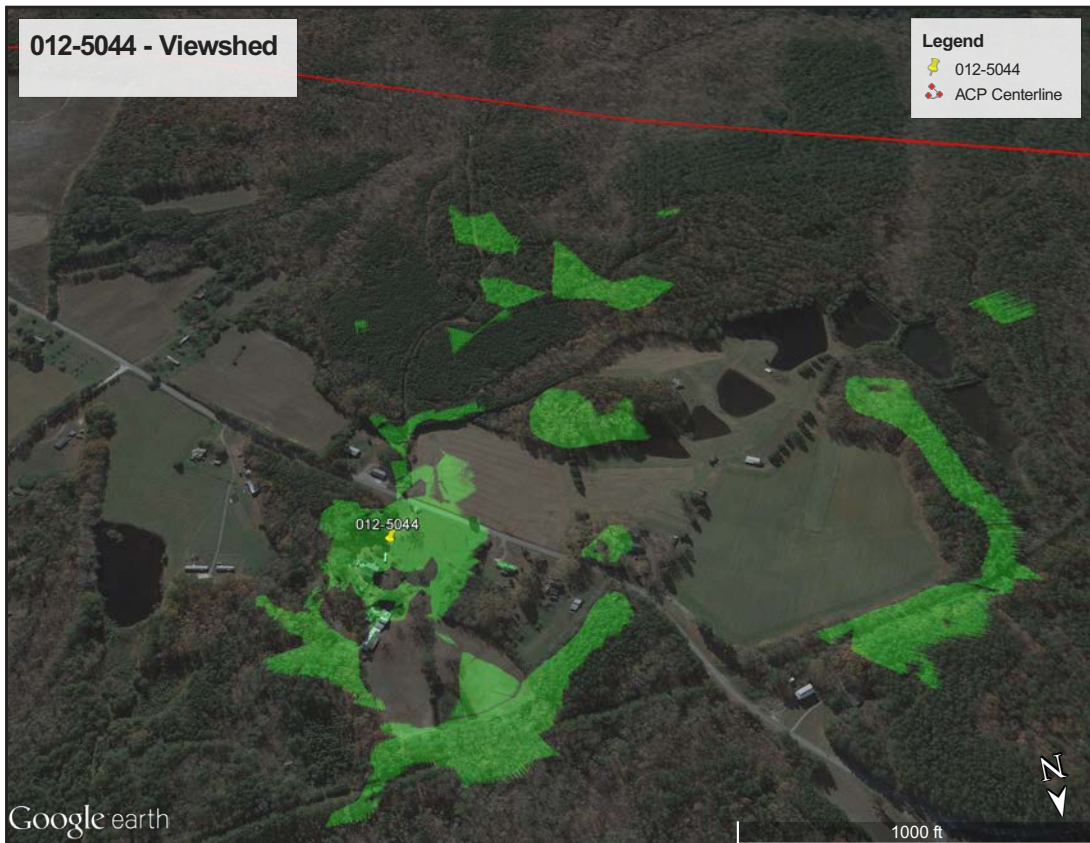


Figure 208. 012-5044 - Viewshed.

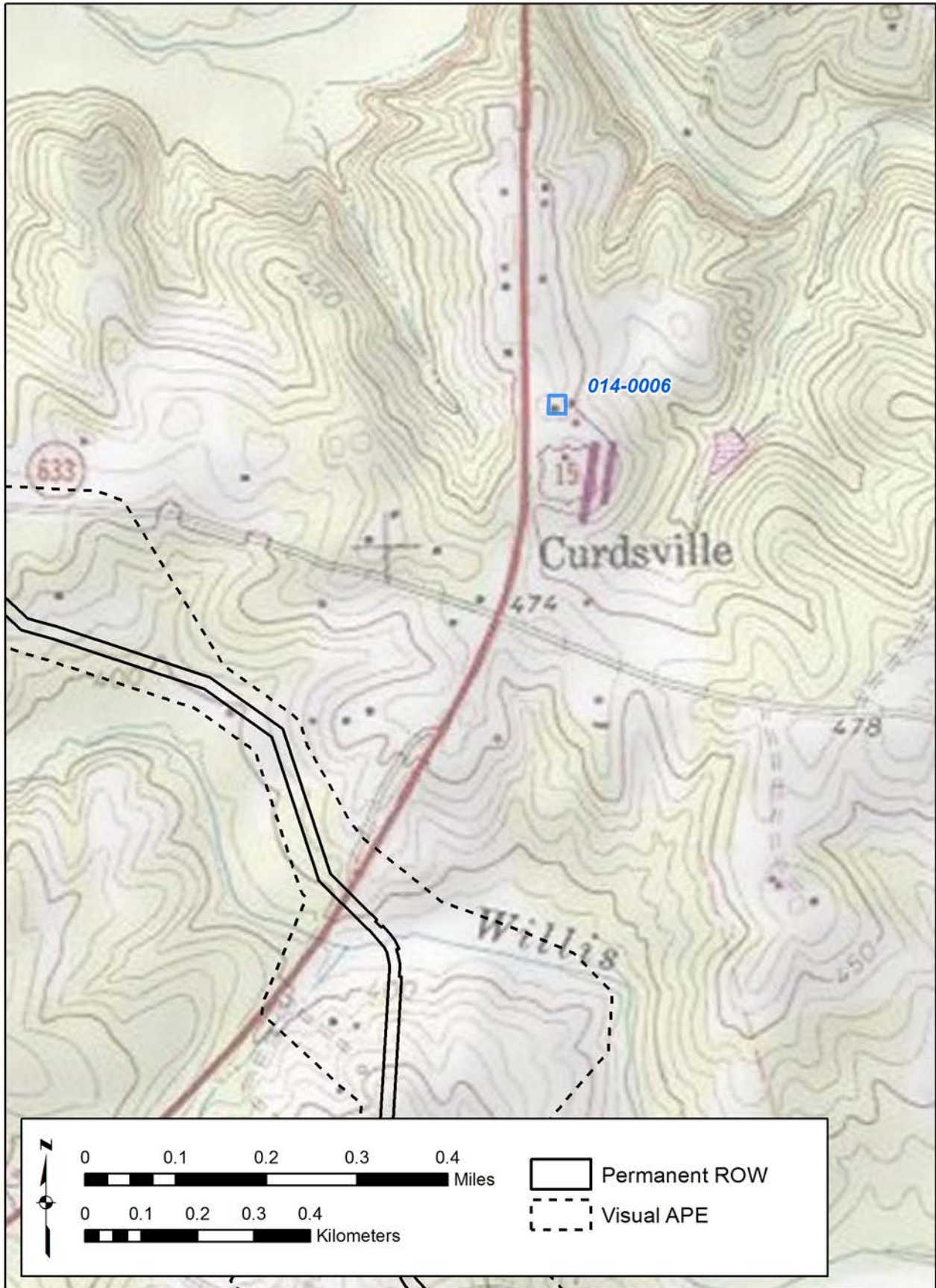


Figure 209. 014-0006 - USGS Quadrangle.



Figure 210. 014-0006 - Aerial.

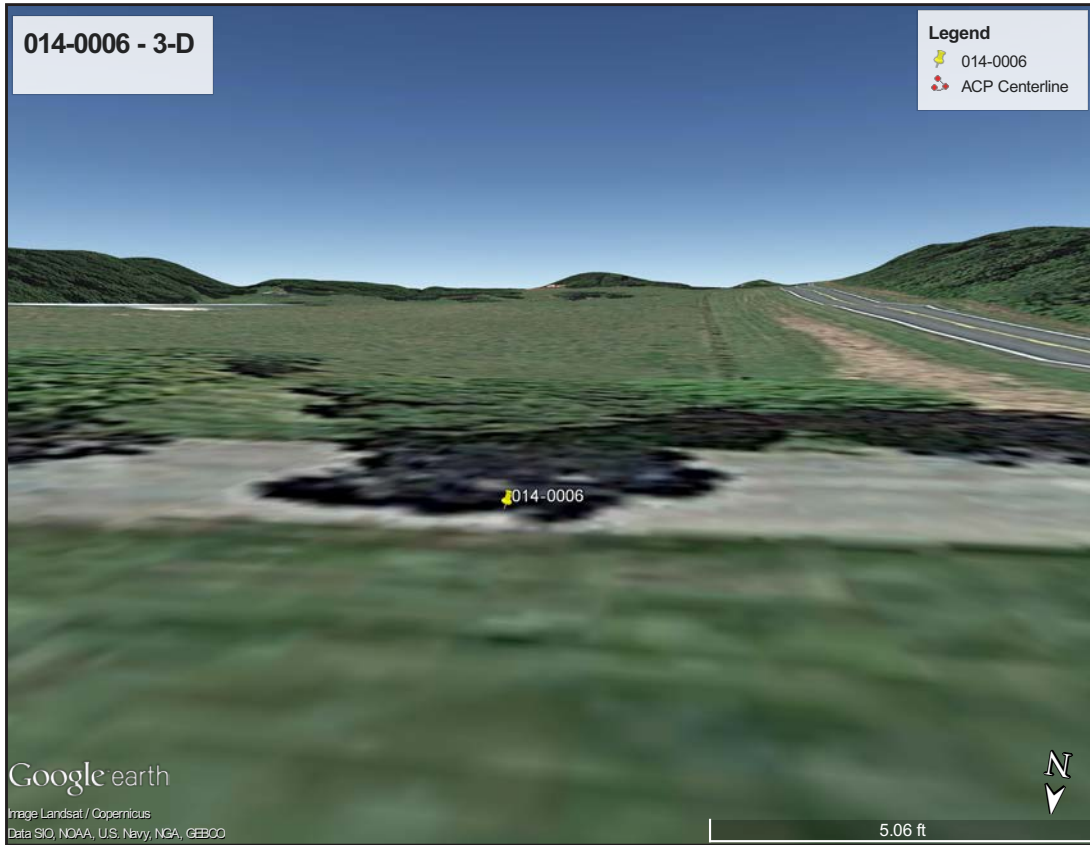


Figure 211. 014-0006 - 3-D View.

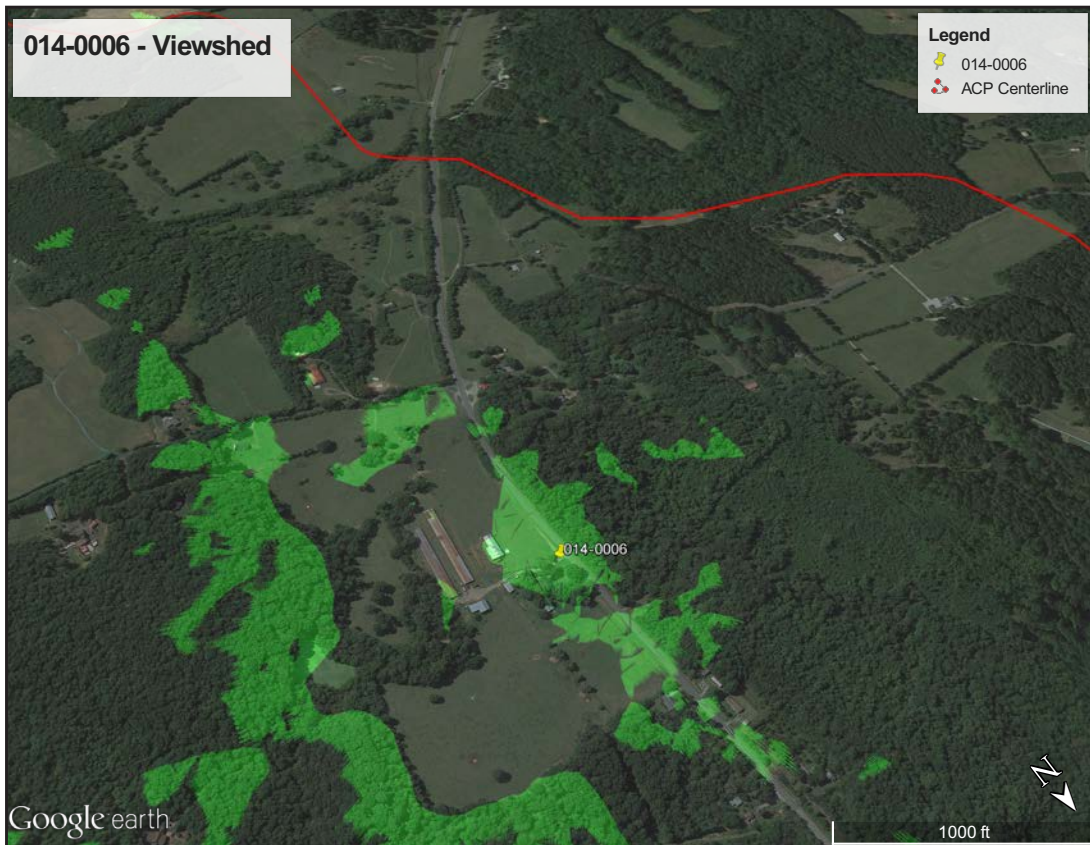


Figure 212. 014-0006 - Viewshed.

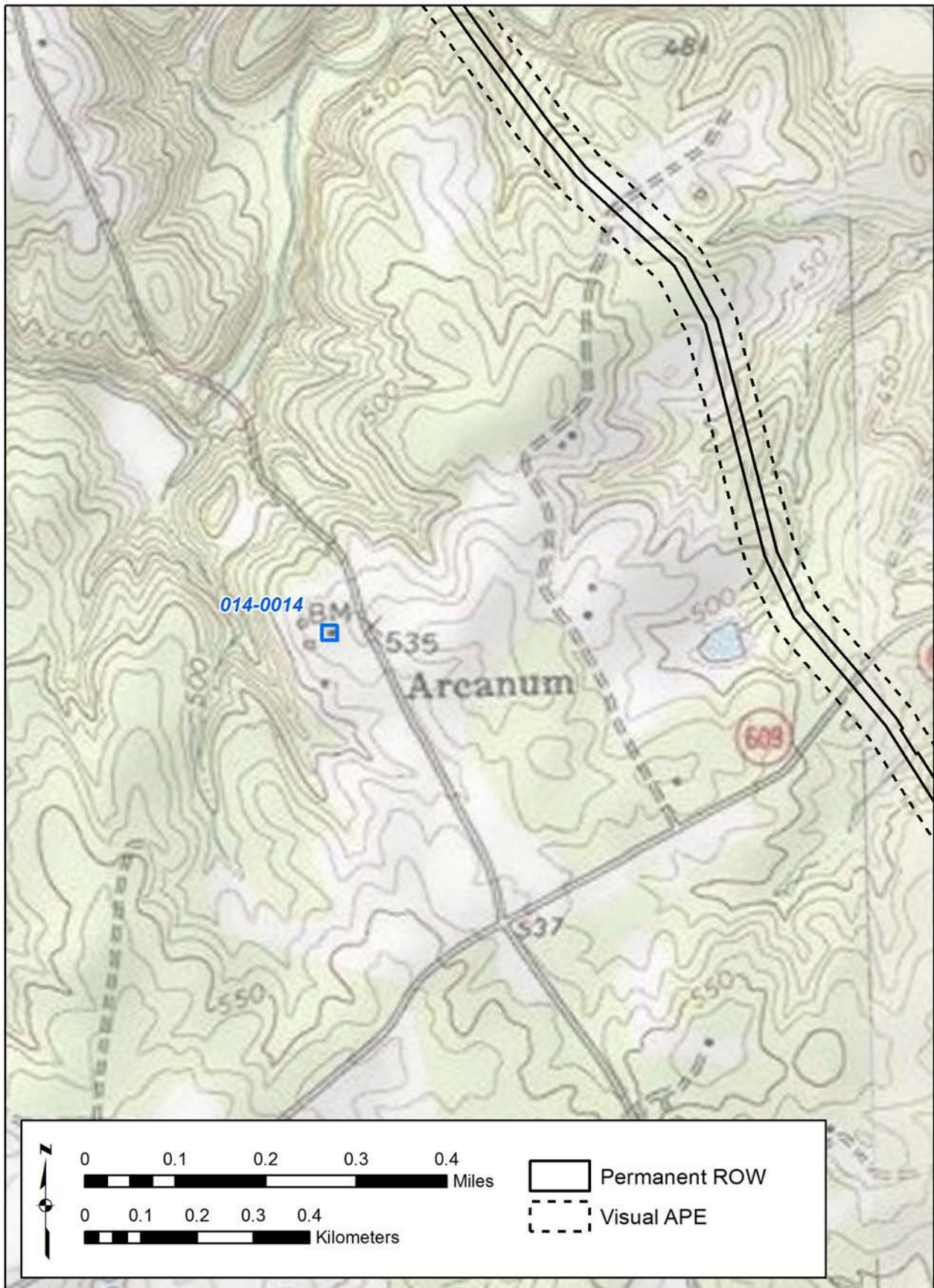


Figure 213. 014-0014 - USGS Quadrangle.



Figure 214. 014-0014 - Aerial.

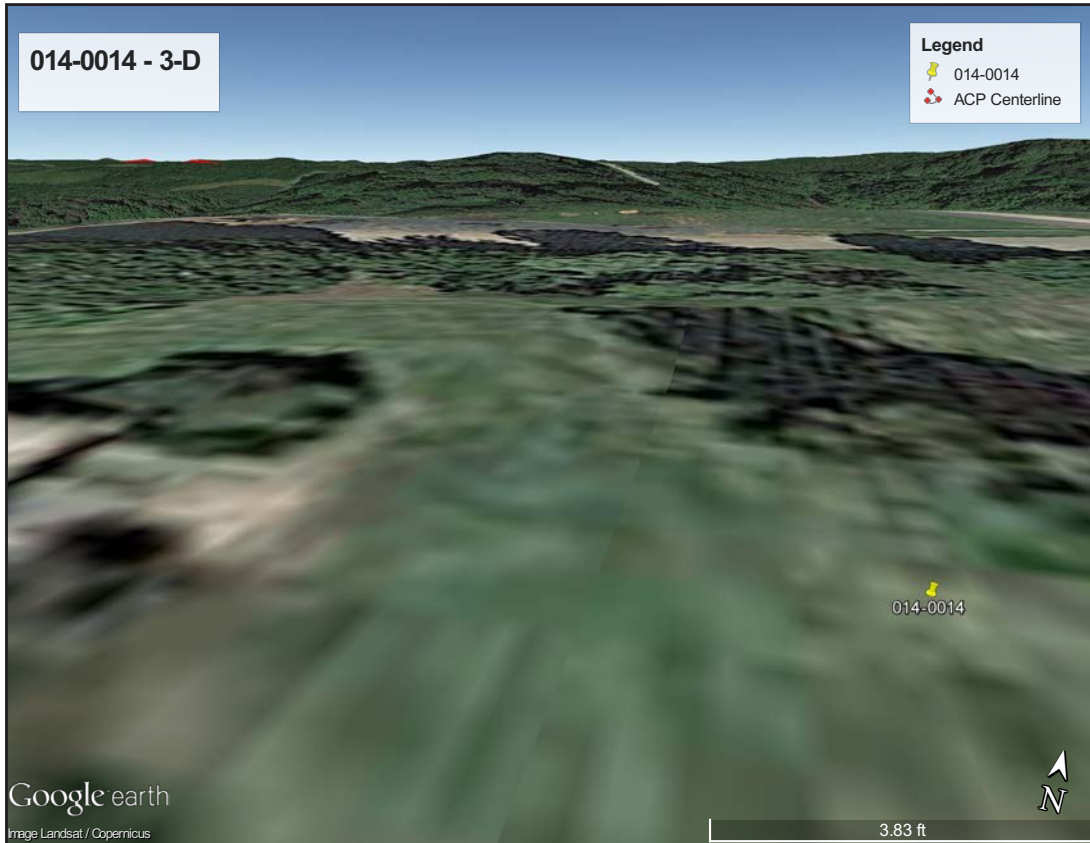


Figure 215. 014-0014 - 3-D View.



Figure 216. 014-0014 - Viewshed.

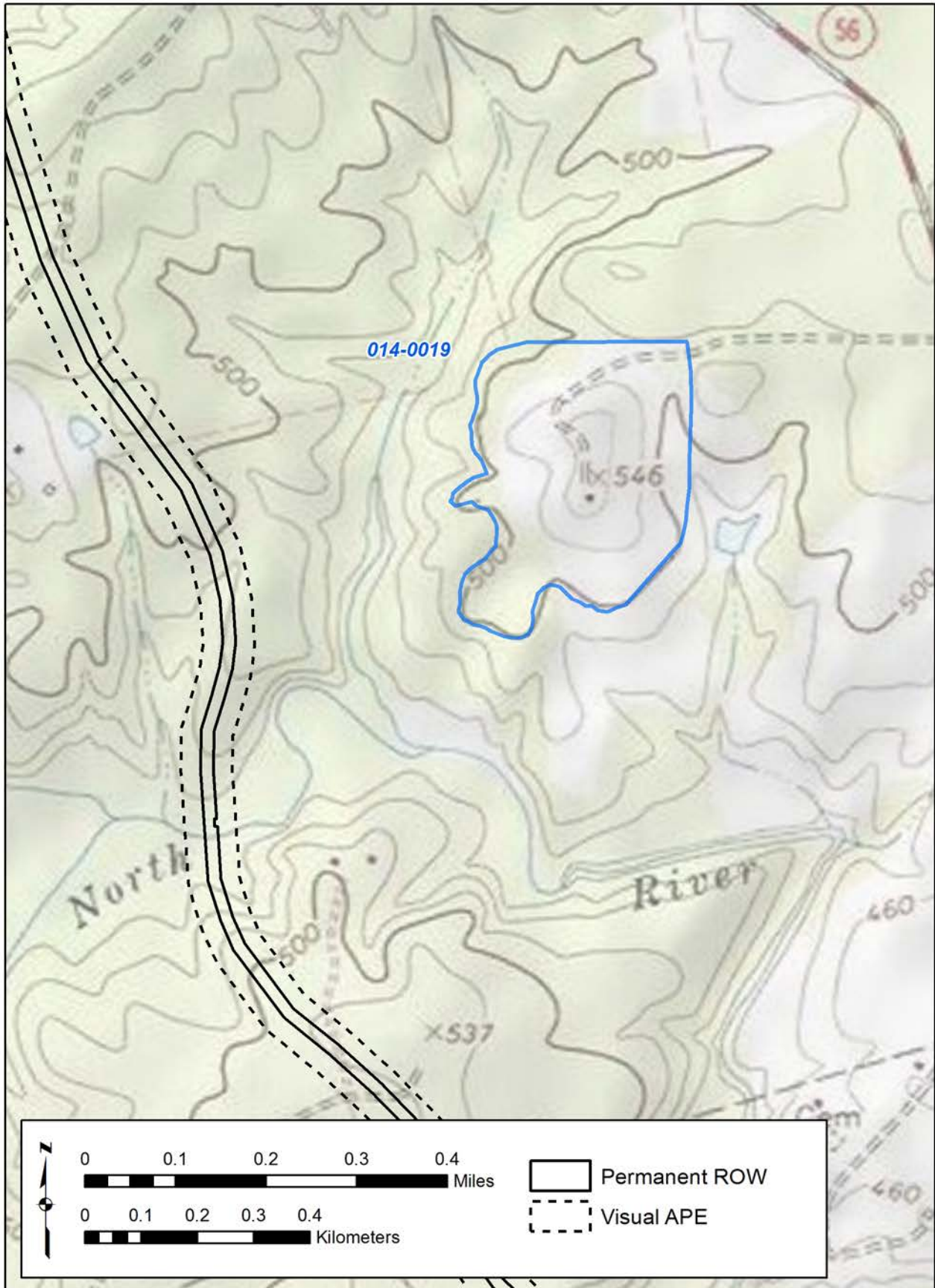


Figure 217. 014-0019 - USGS Quadrangle.

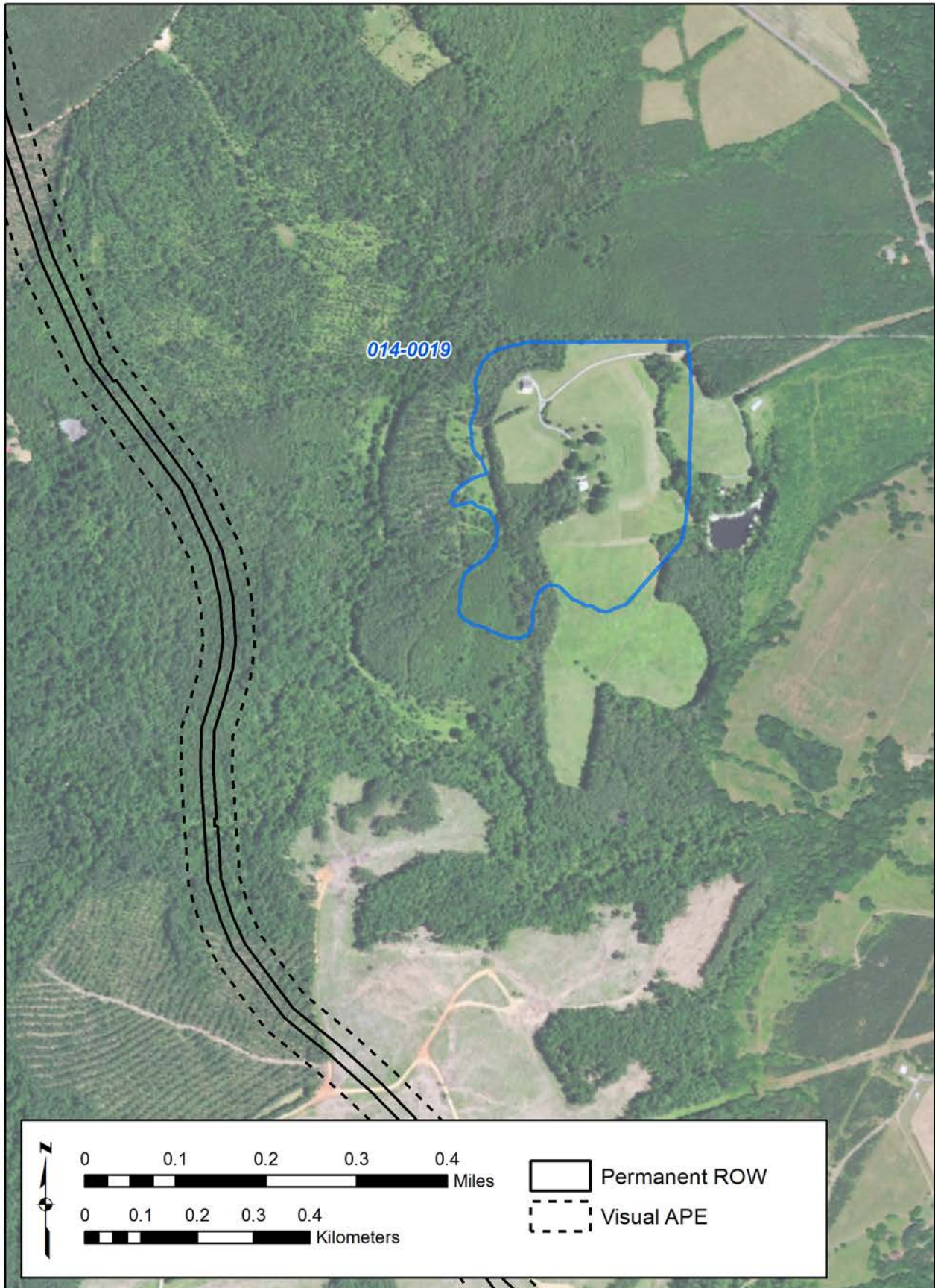


Figure 218. 014-0019 - Aerial.

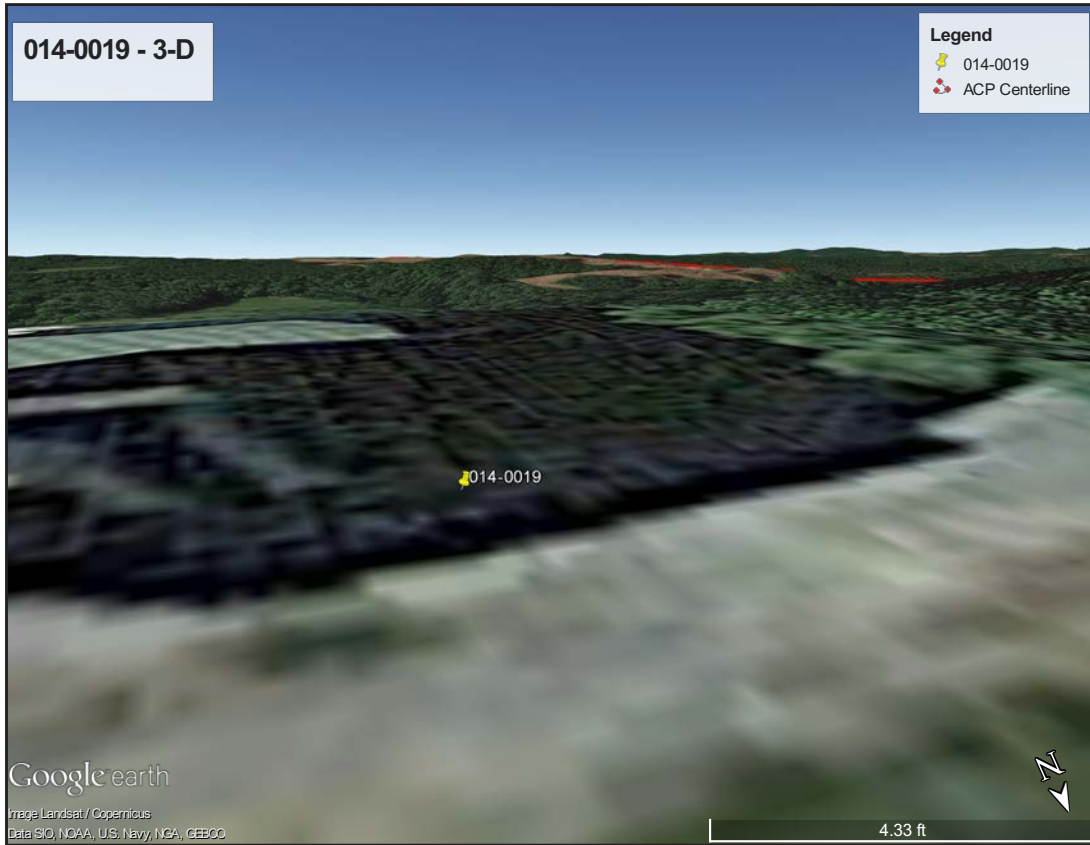


Figure 219. 014-0019 - 3-D View.

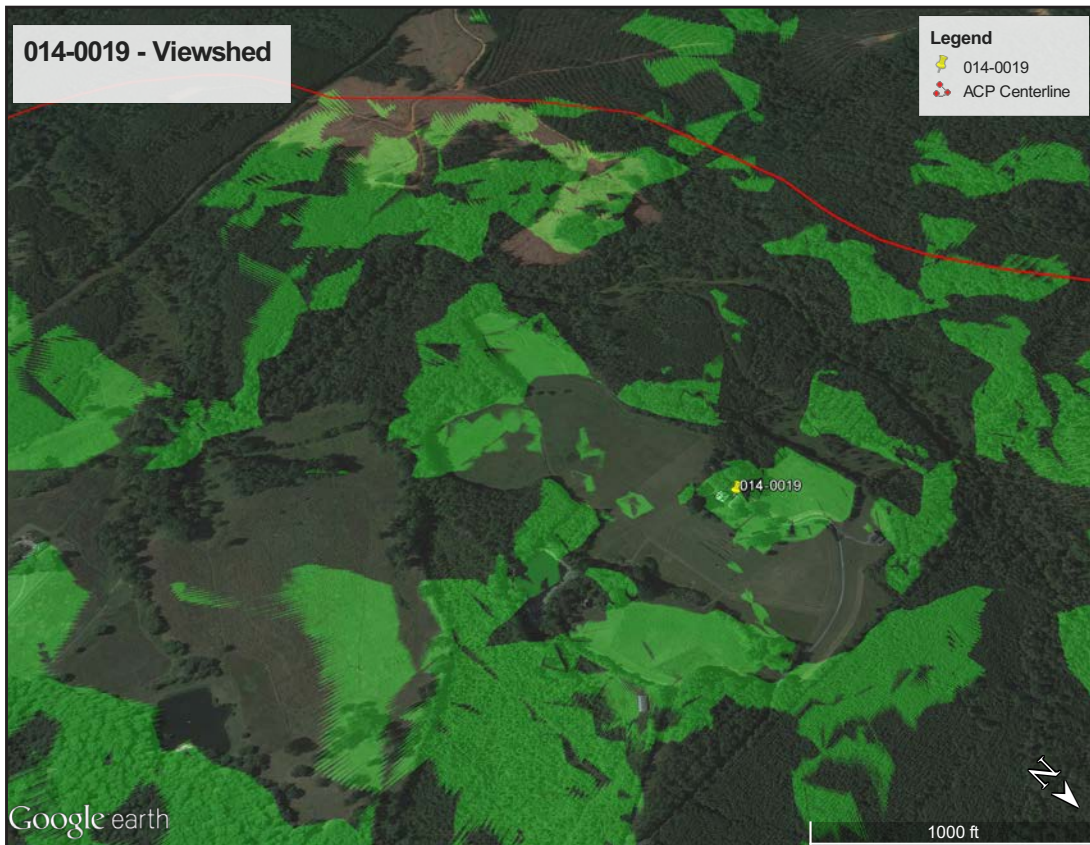


Figure 220. 014-0019 - Viewshed.

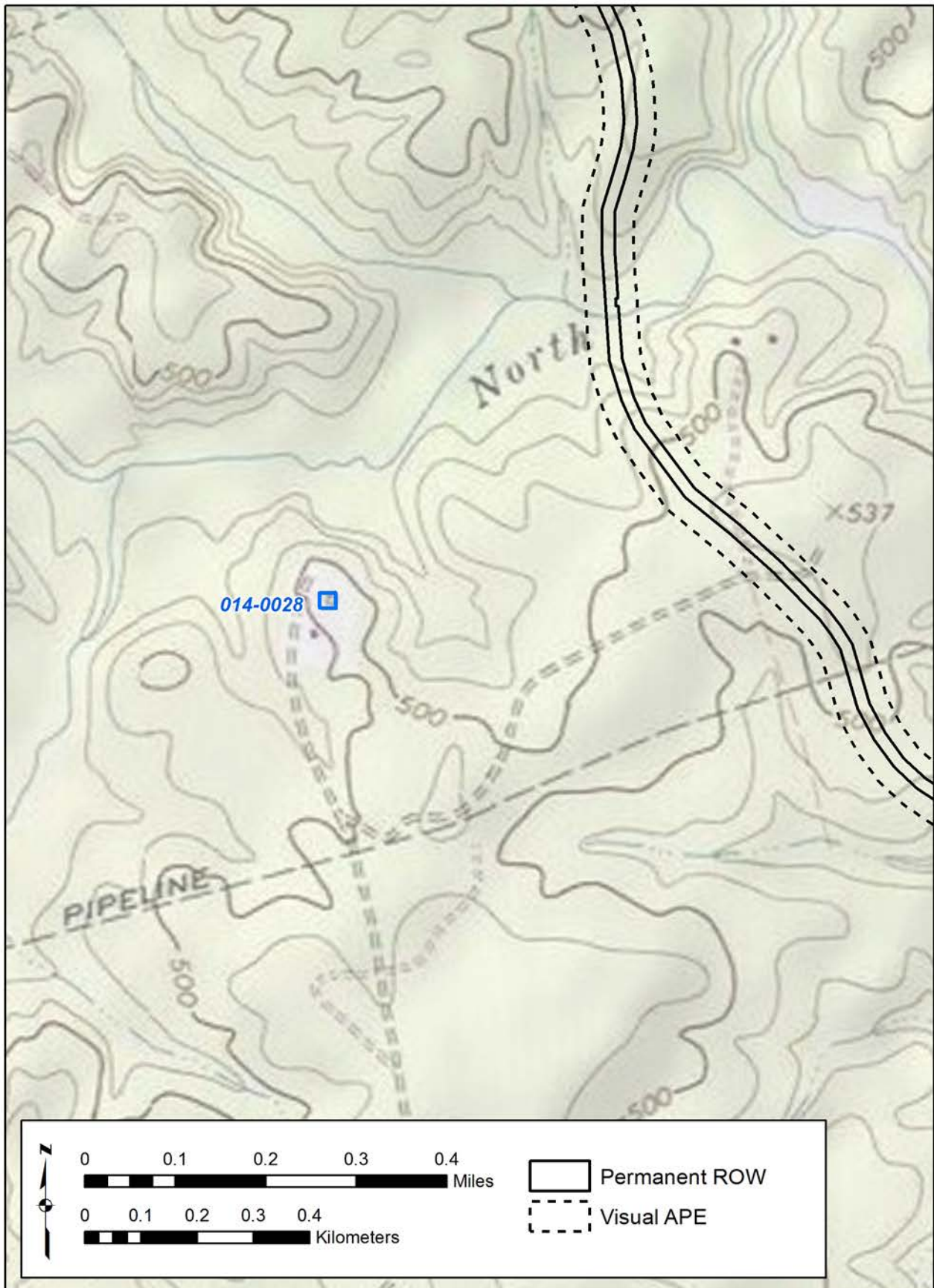


Figure 221. 014-0028 - USGS Quadrangle.



Figure 222. 014-0028 - Aerial.

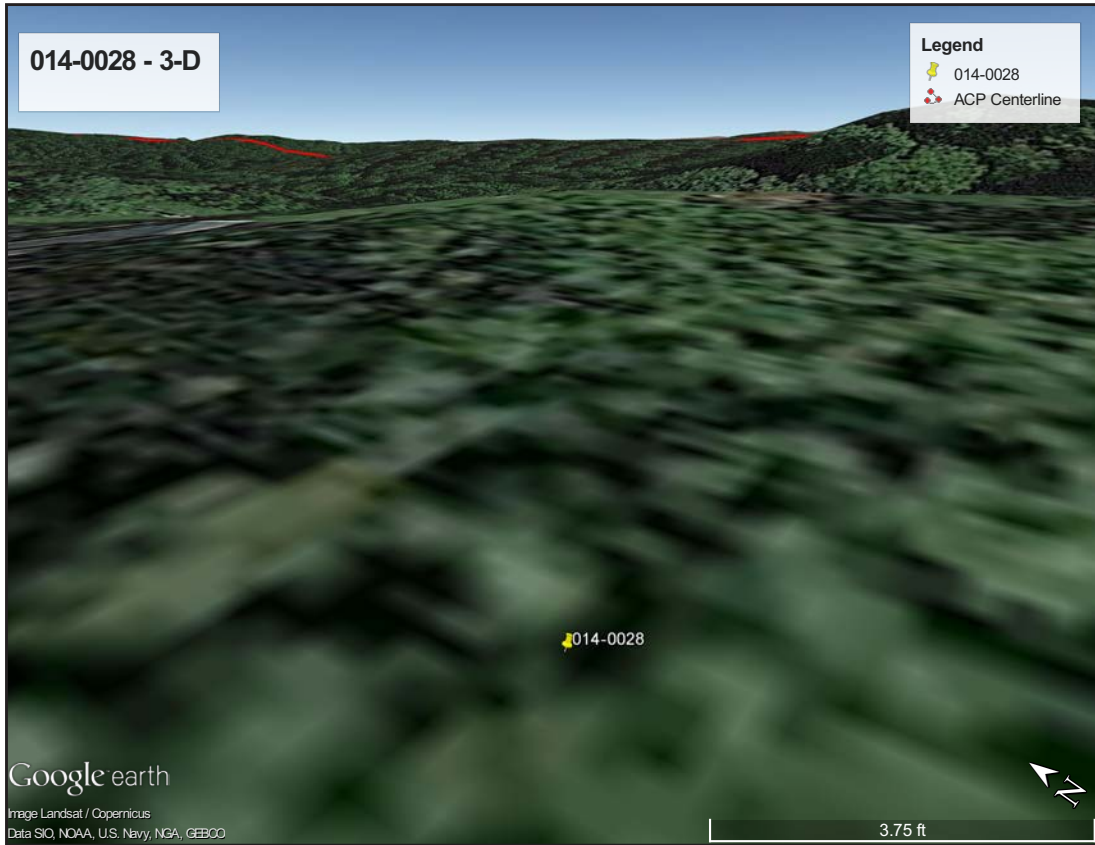


Figure 223. 014-0028 - 3-D View.

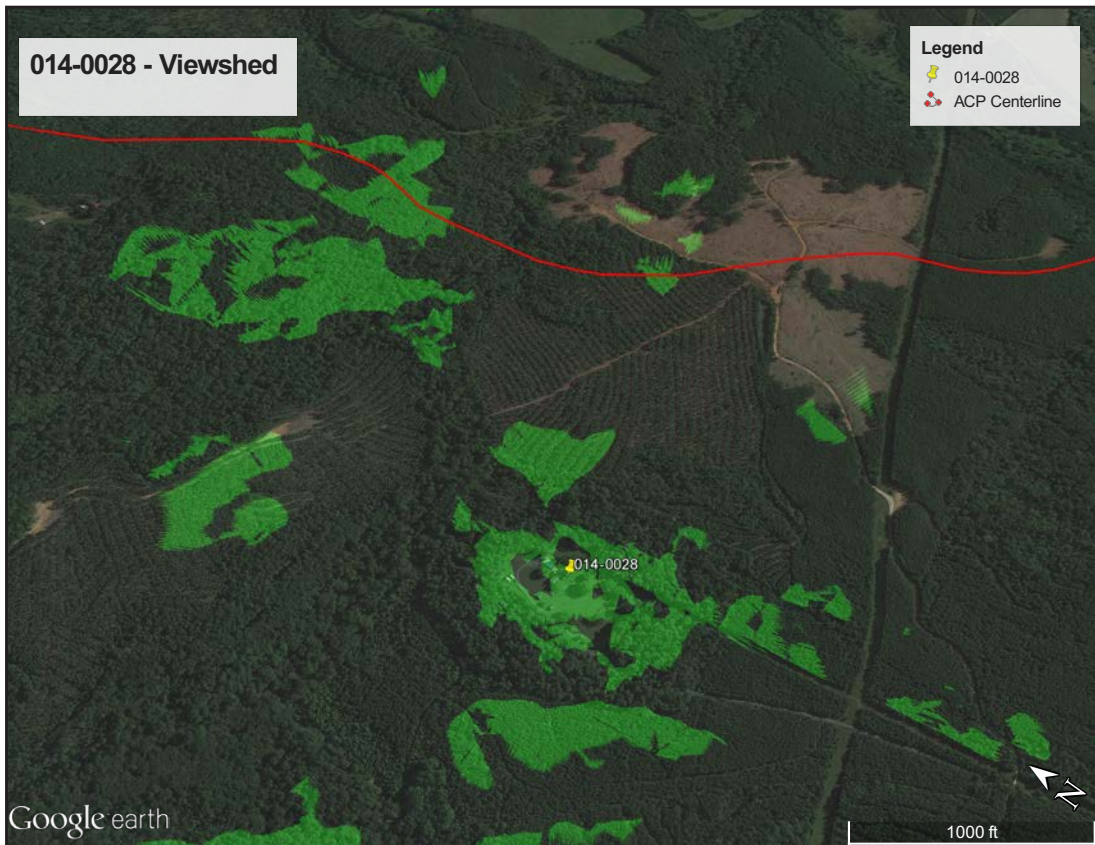


Figure 224. 014-0028 - Viewshed.

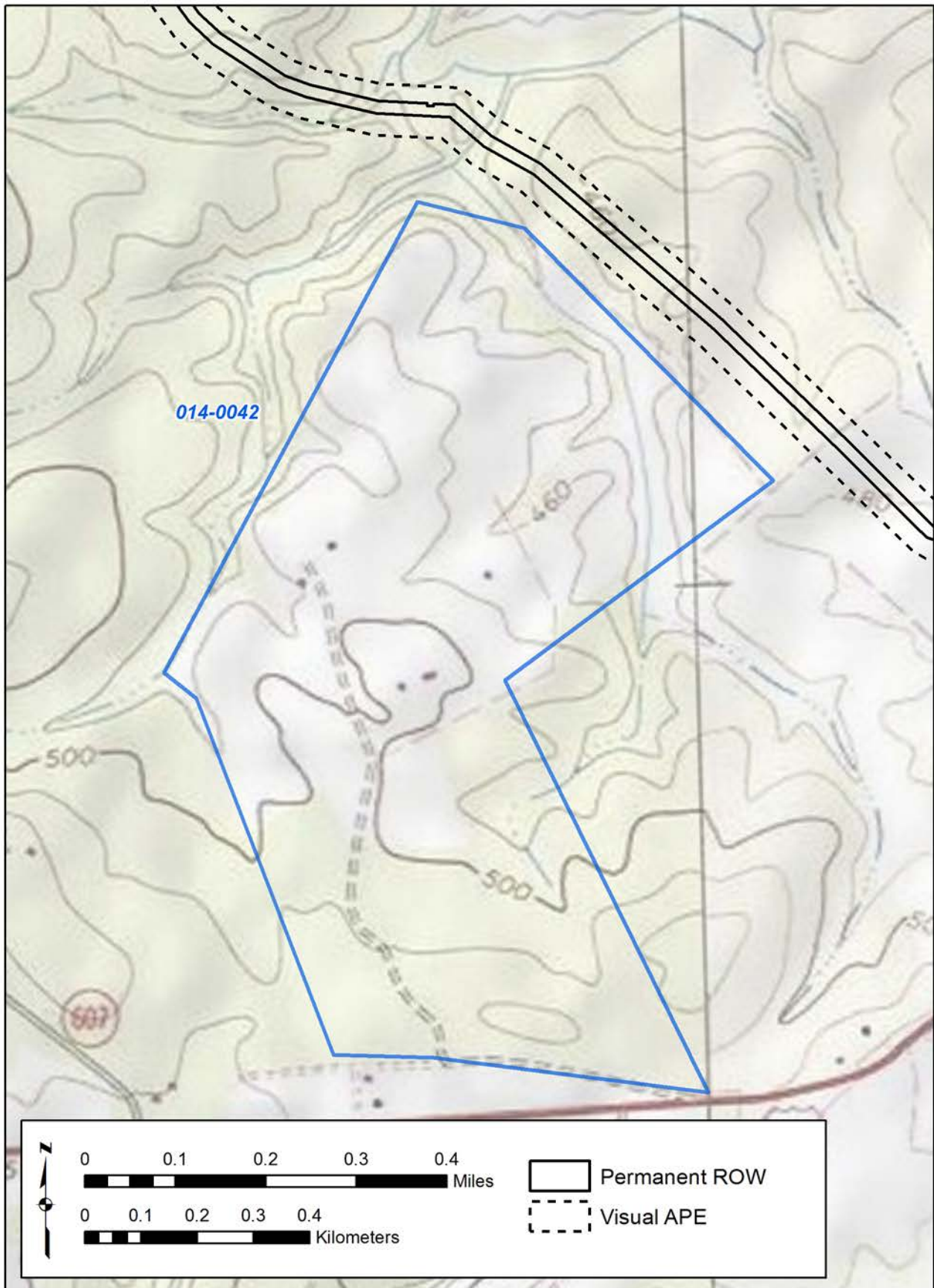


Figure 225. 014-0042 - USGS Quadrangle.

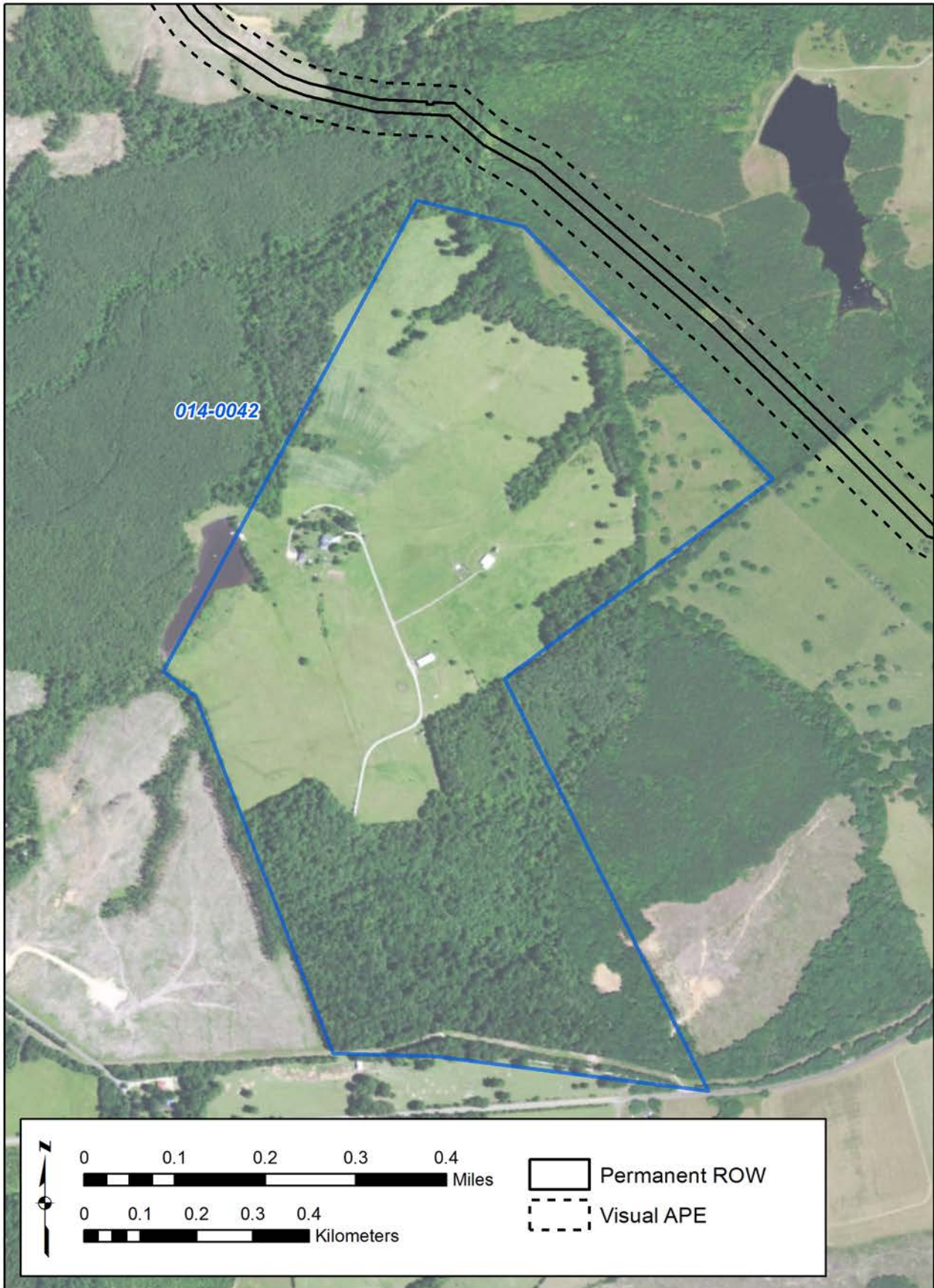


Figure 226. 014-0042 - Aerial.

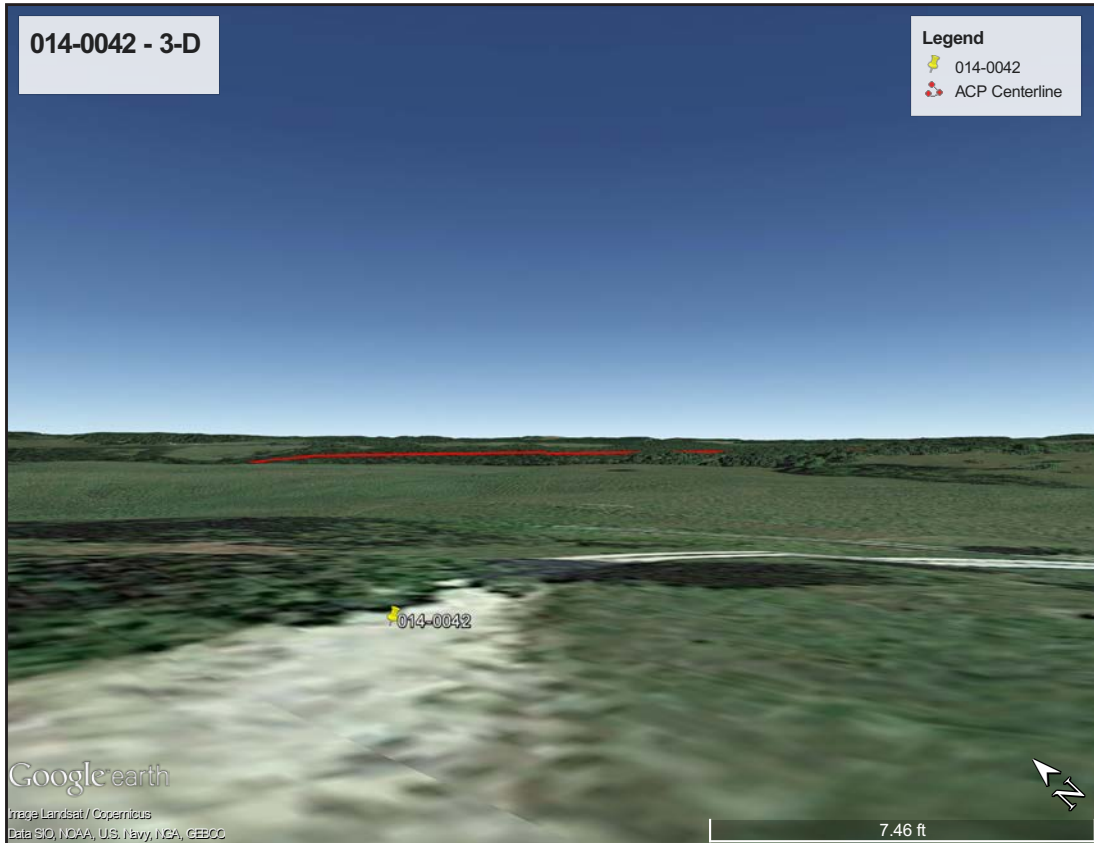


Figure 227. 014-0042 - 3-D View.

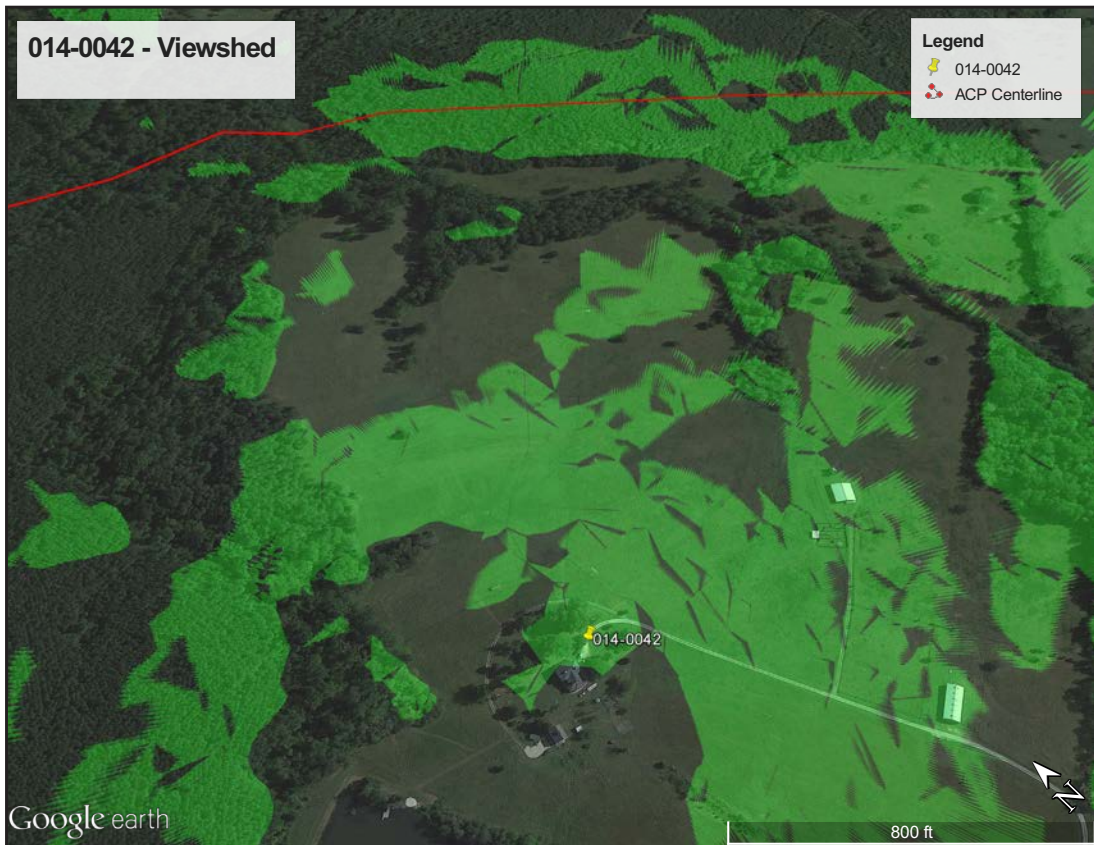


Figure 228. 014-0042 - Viewshed.



Figure 229. 014-0049 - USGS Quadrangle.

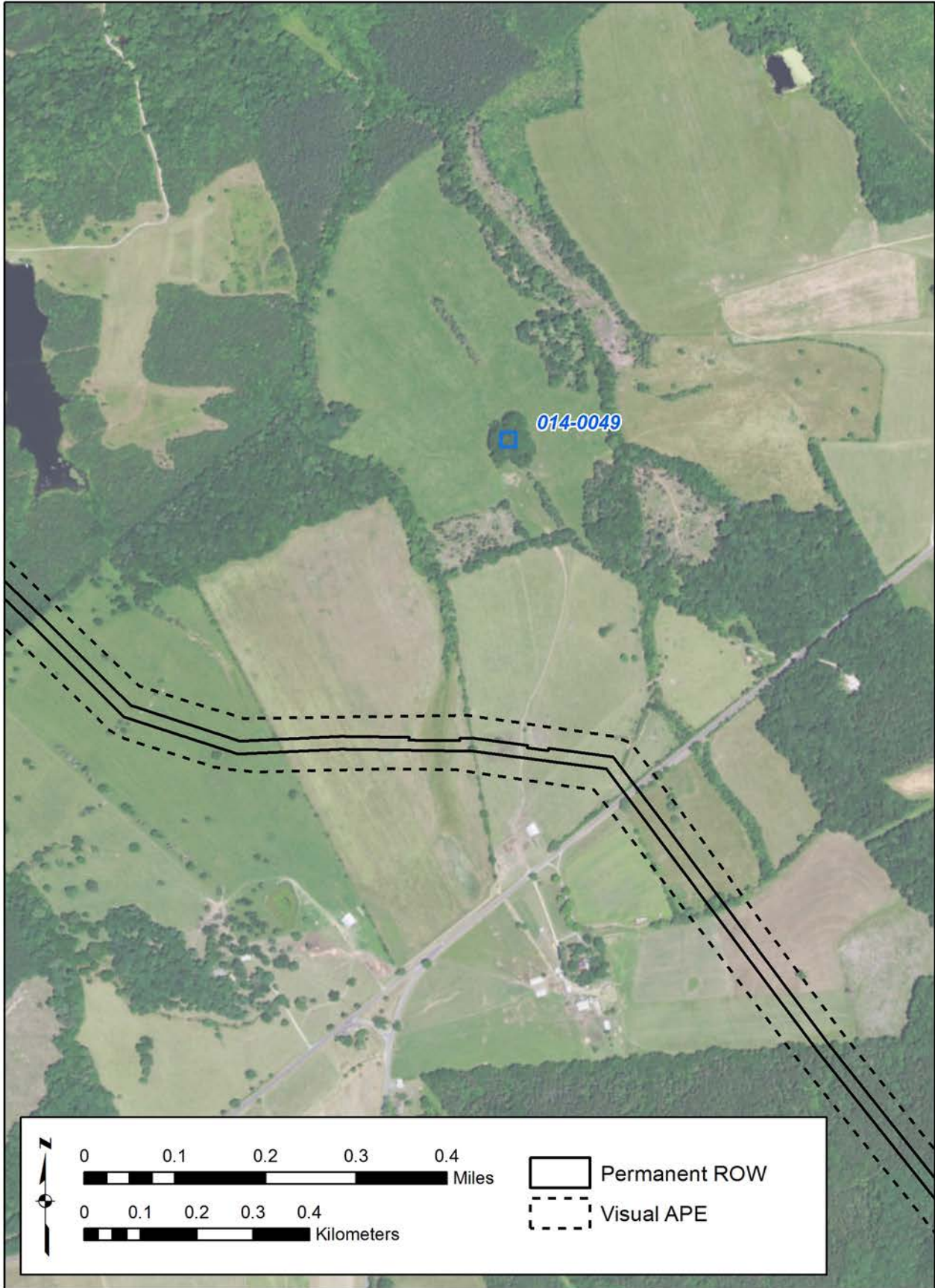


Figure 230. 014-0049 - Aerial.

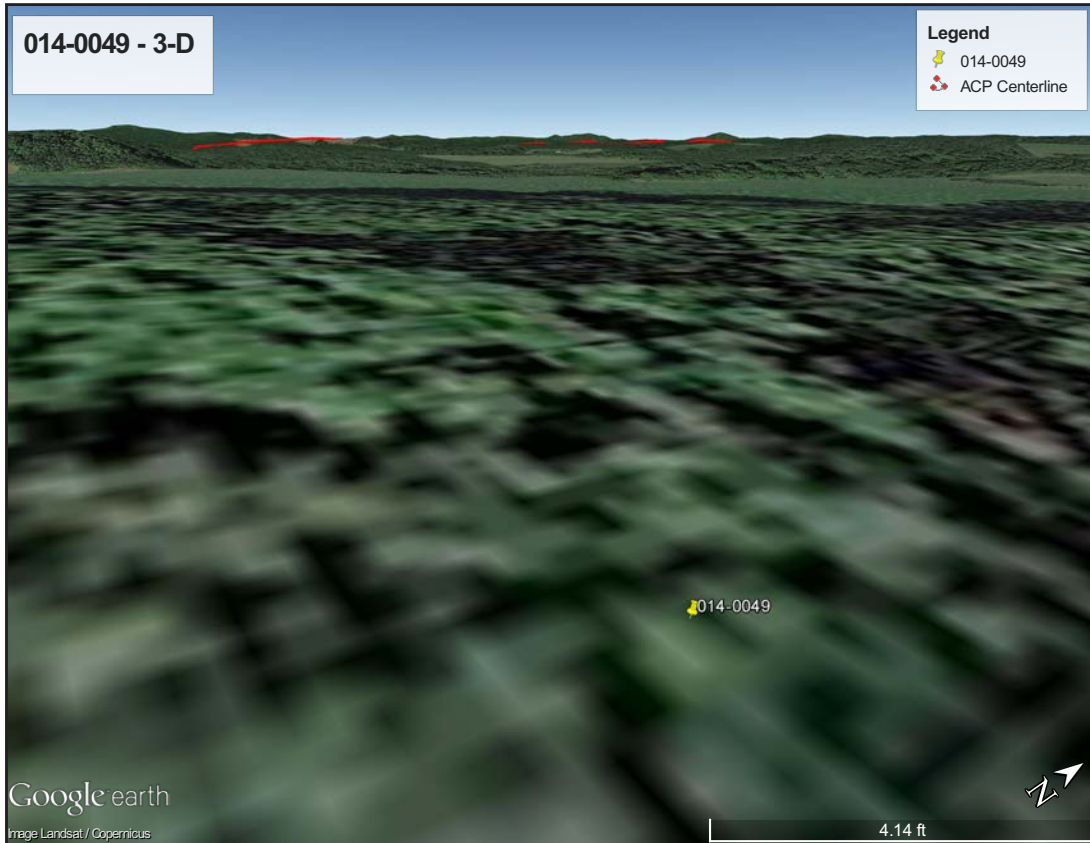


Figure 231. 014-0049 - 3-D View.



Figure 232. 014-0049 - Viewshed.

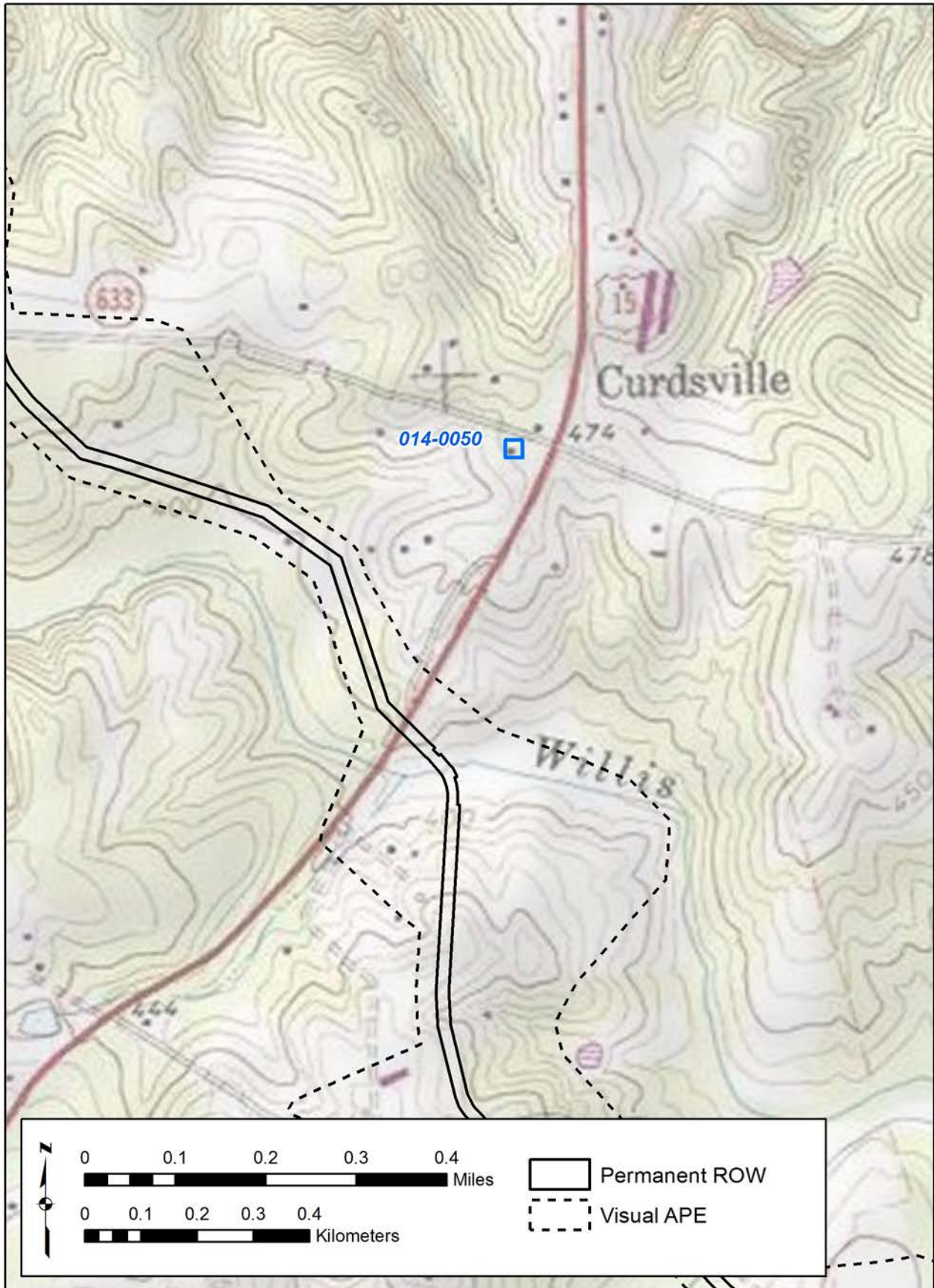


Figure 233. 014-0050 - USGS Quadrangle.

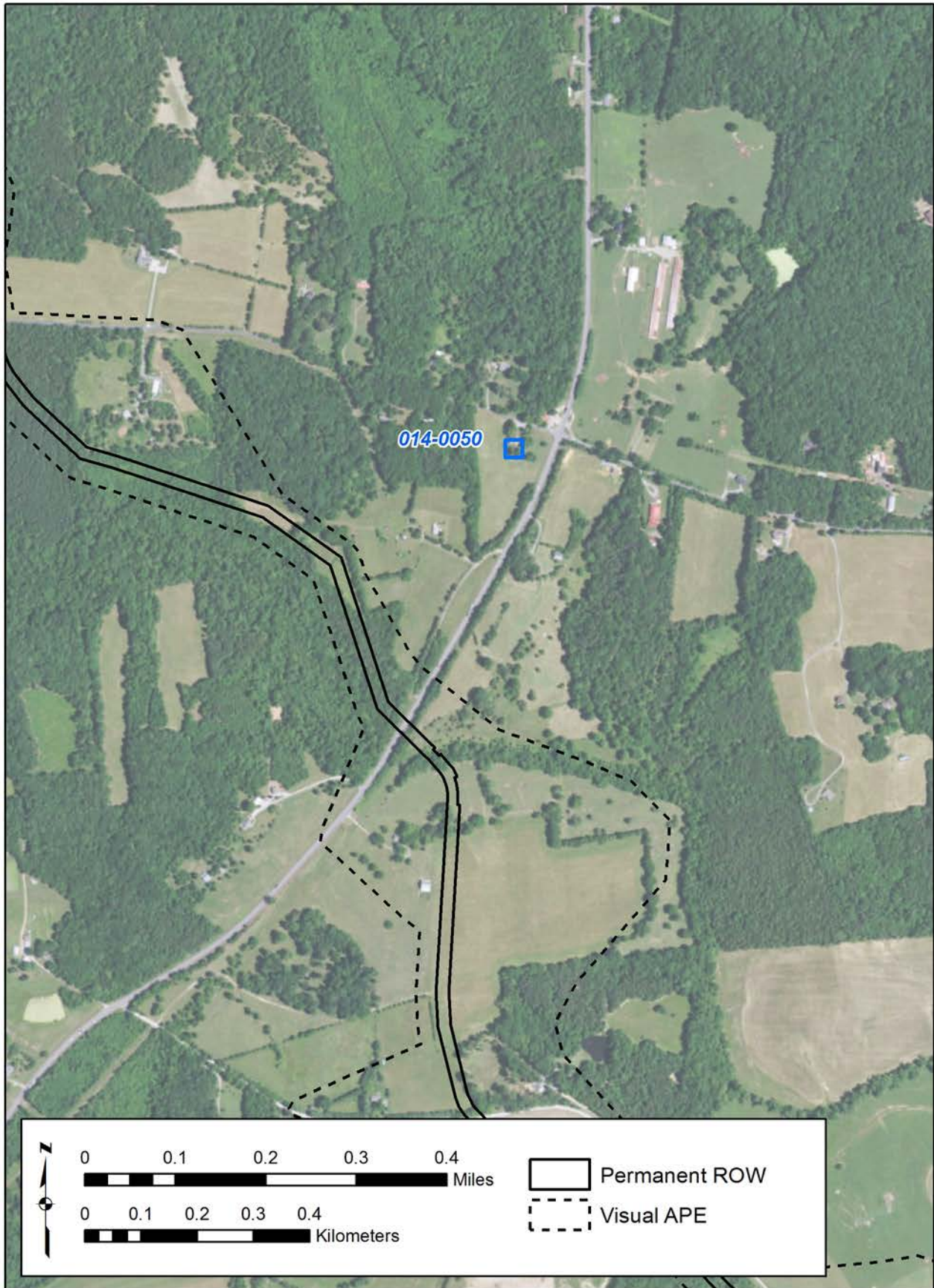


Figure 234. 014-0050 - Aerial.

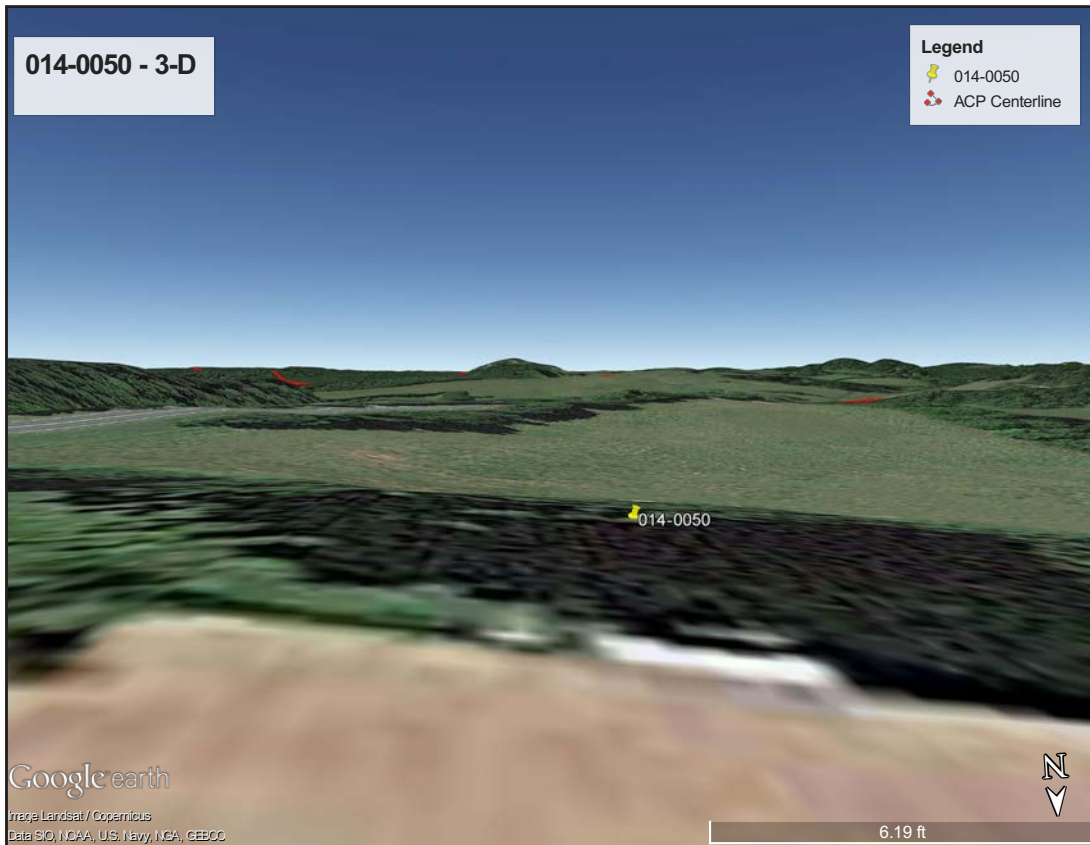


Figure 235. 014-0050 - 3-D View.



Figure 236. 014-0050 - Viewshed.

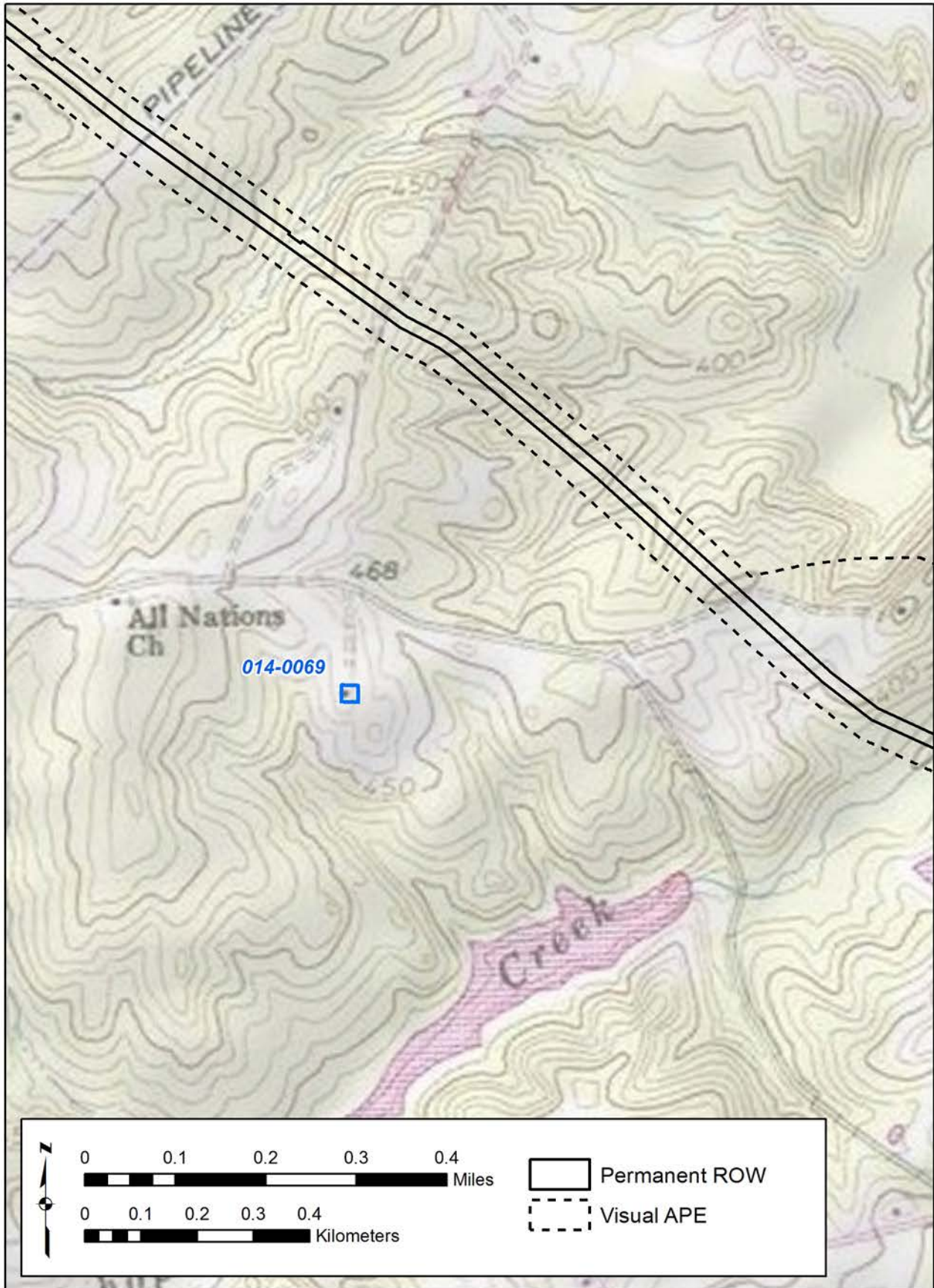


Figure 237. 014-0069 - USGS Quadrangle.

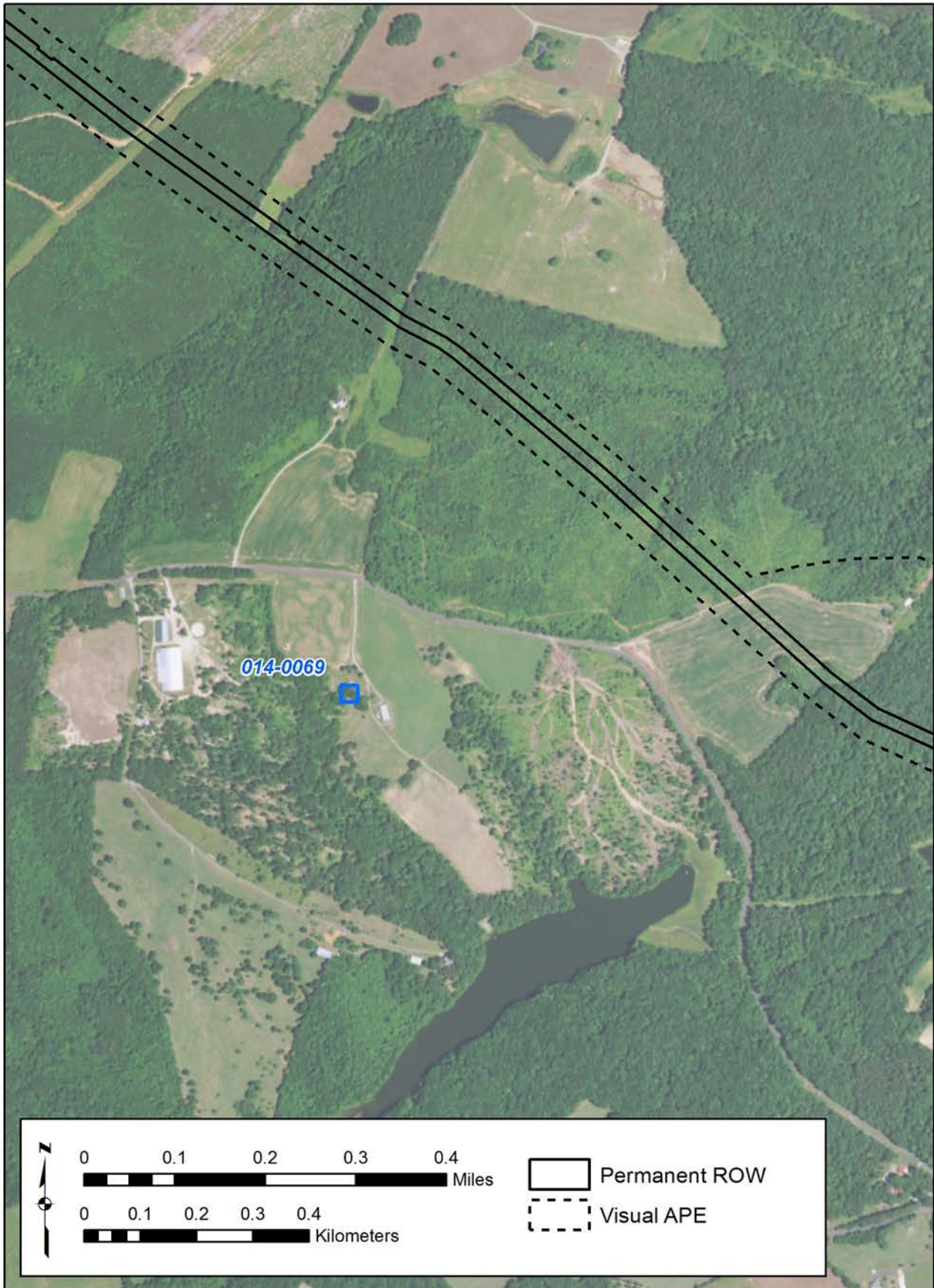


Figure 238. 014-0069 - Aerial.



Figure 239. 014-0069 - 3-D View.

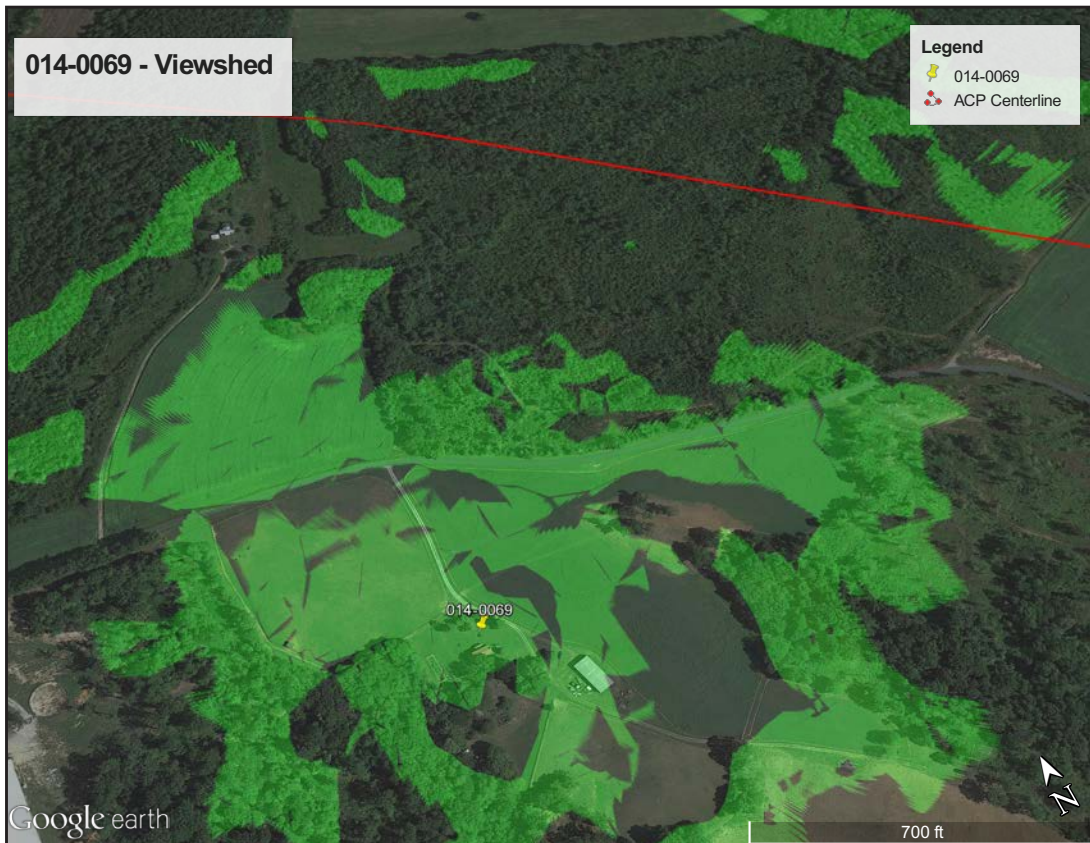


Figure 240. 014-0069 - Viewshed.

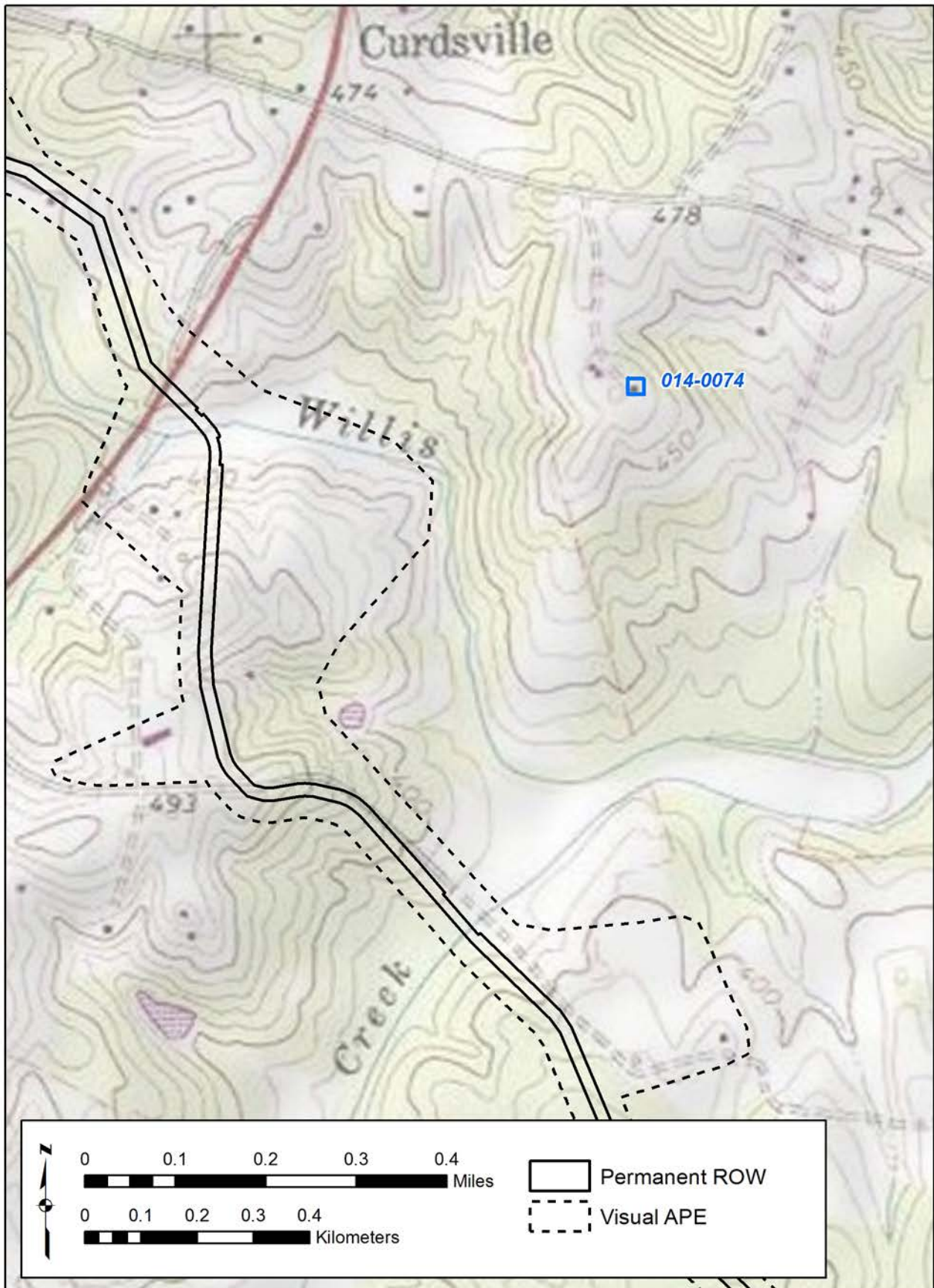


Figure 241. 014-0074 - USGS Quadrangle.



Figure 242. 014-0074 - Aerial.



Figure 243. 014-0074 - 3-D View.

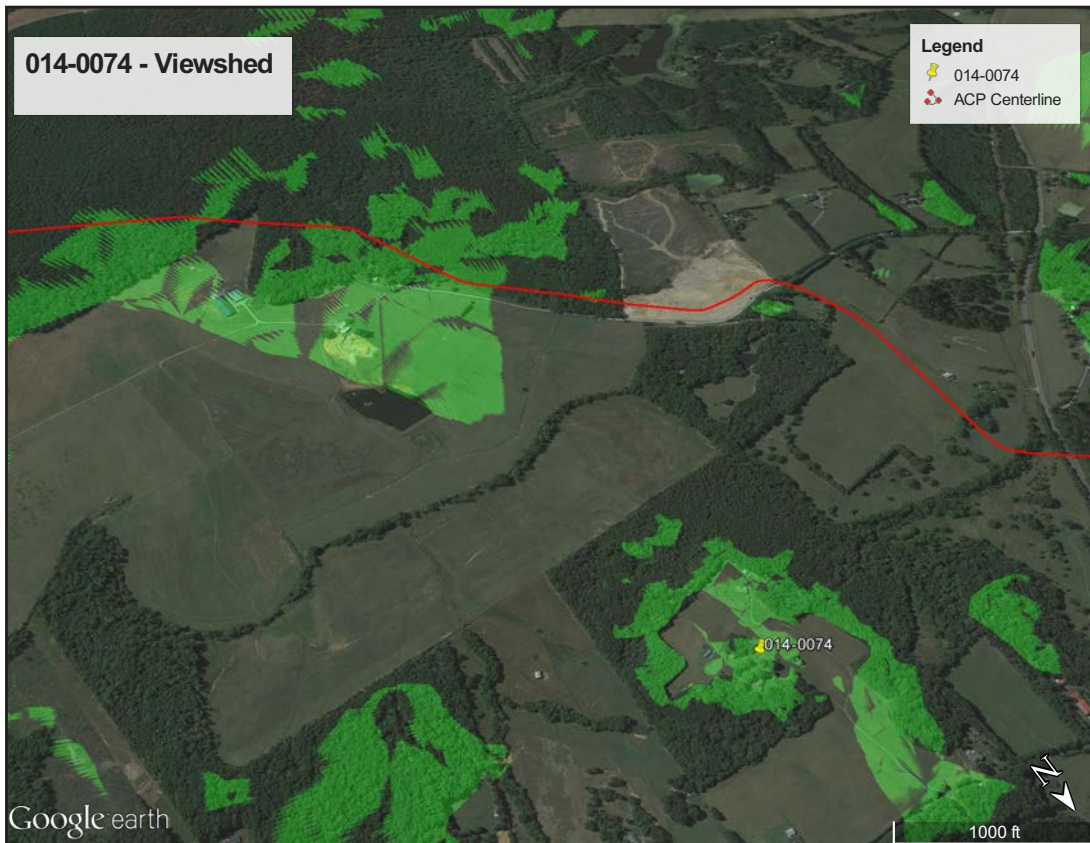


Figure 244. 014-0074 - Viewshed.

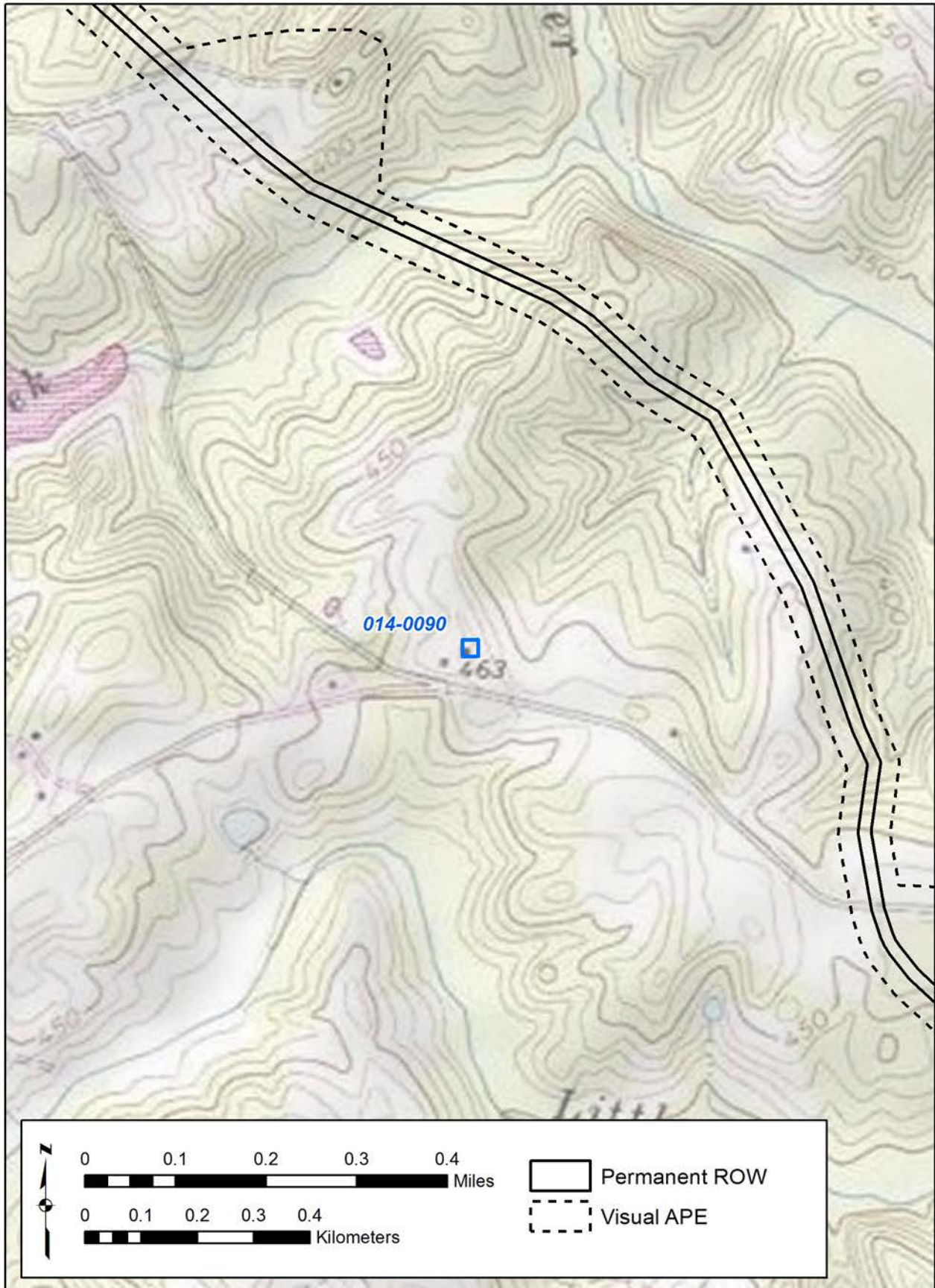


Figure 245. 014-0090 - USGS Quadrangle.

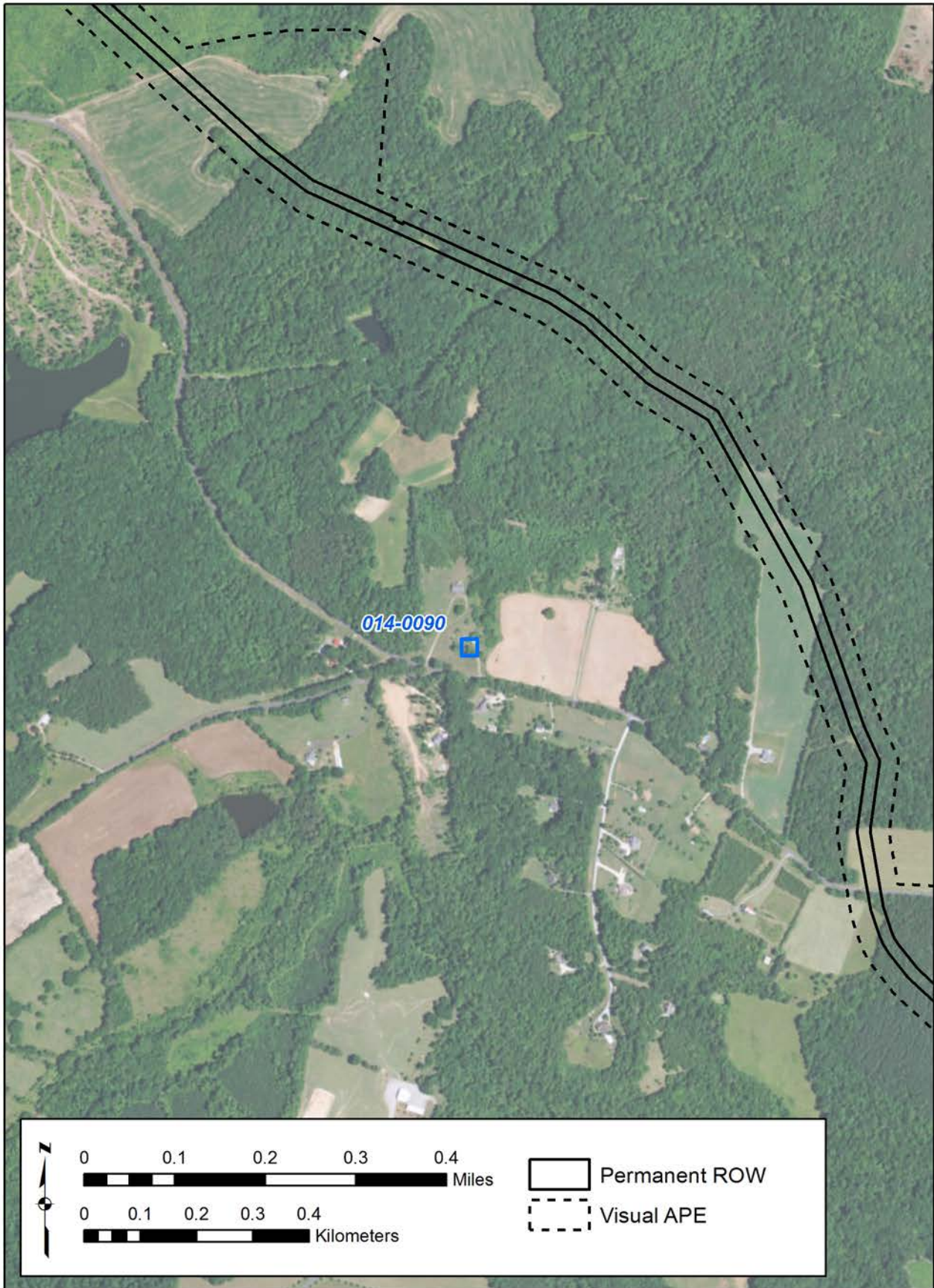


Figure 246. 014-0090 - Aerial.



Figure 247. 014-0090 - 3-D View.

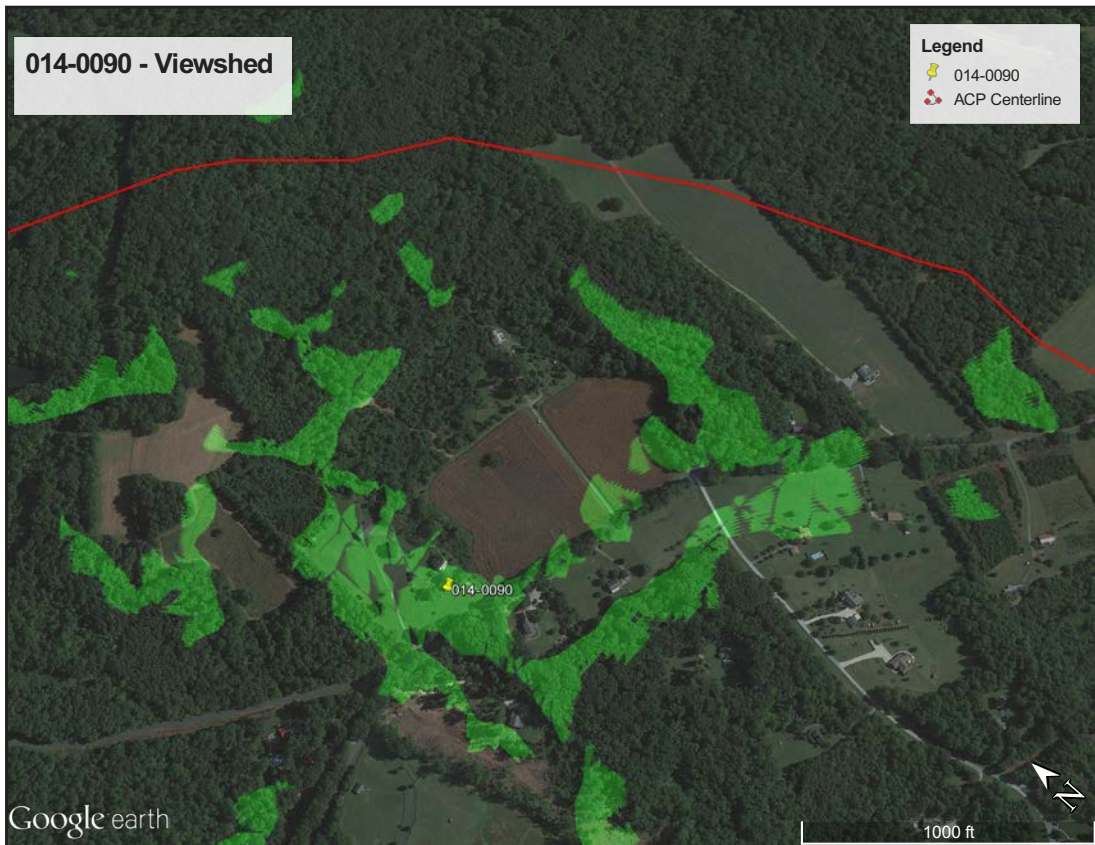


Figure 248. 014-0090 - Viewshed.

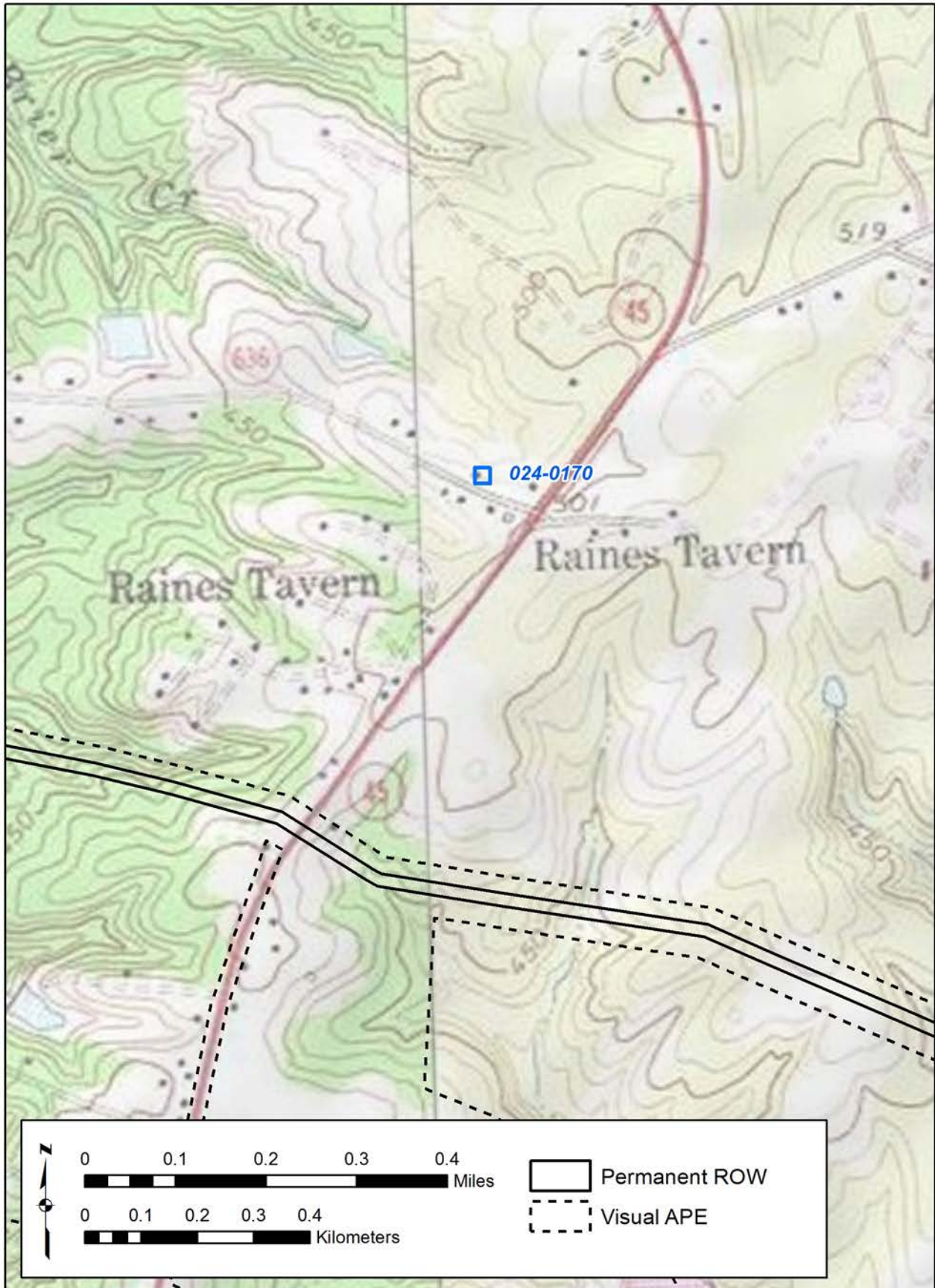


Figure 249. 024-0170 - USGS Quadrangle.



Figure 250. 024-0170 - Aerial.



Figure 251. 024-0170 - 3-D View.

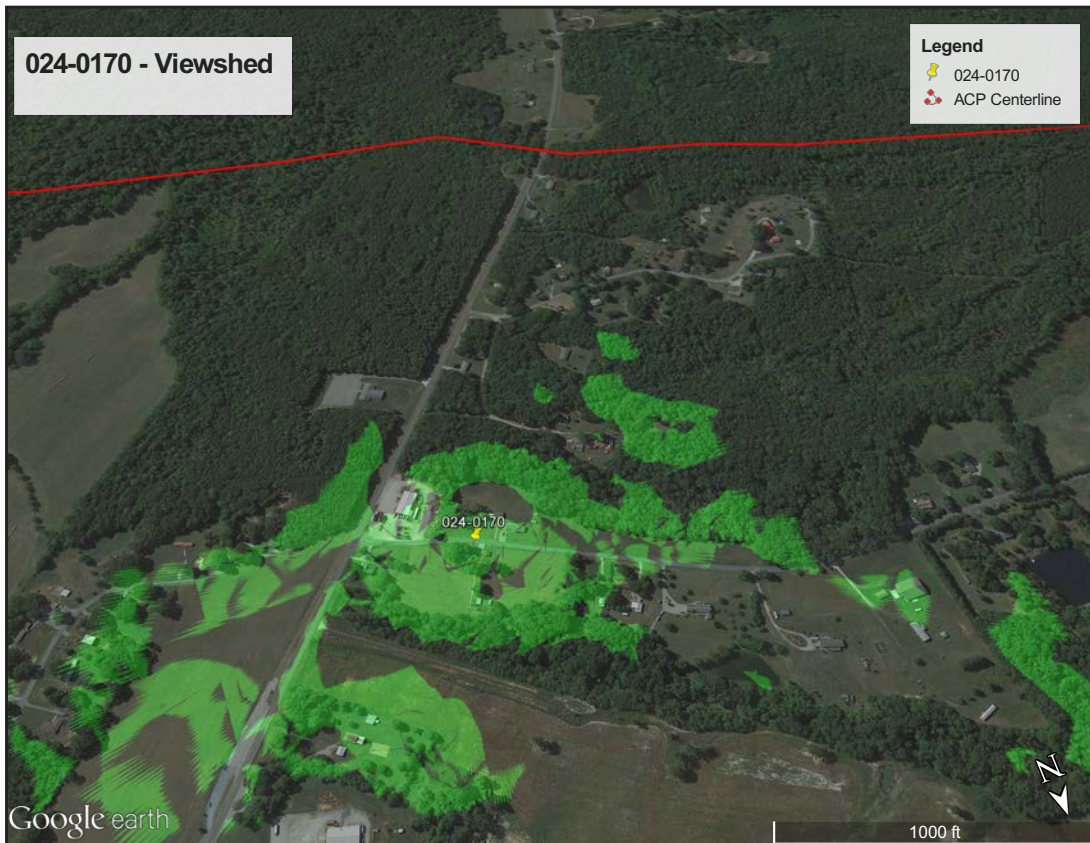


Figure 252. 024-0170 - Viewshed.

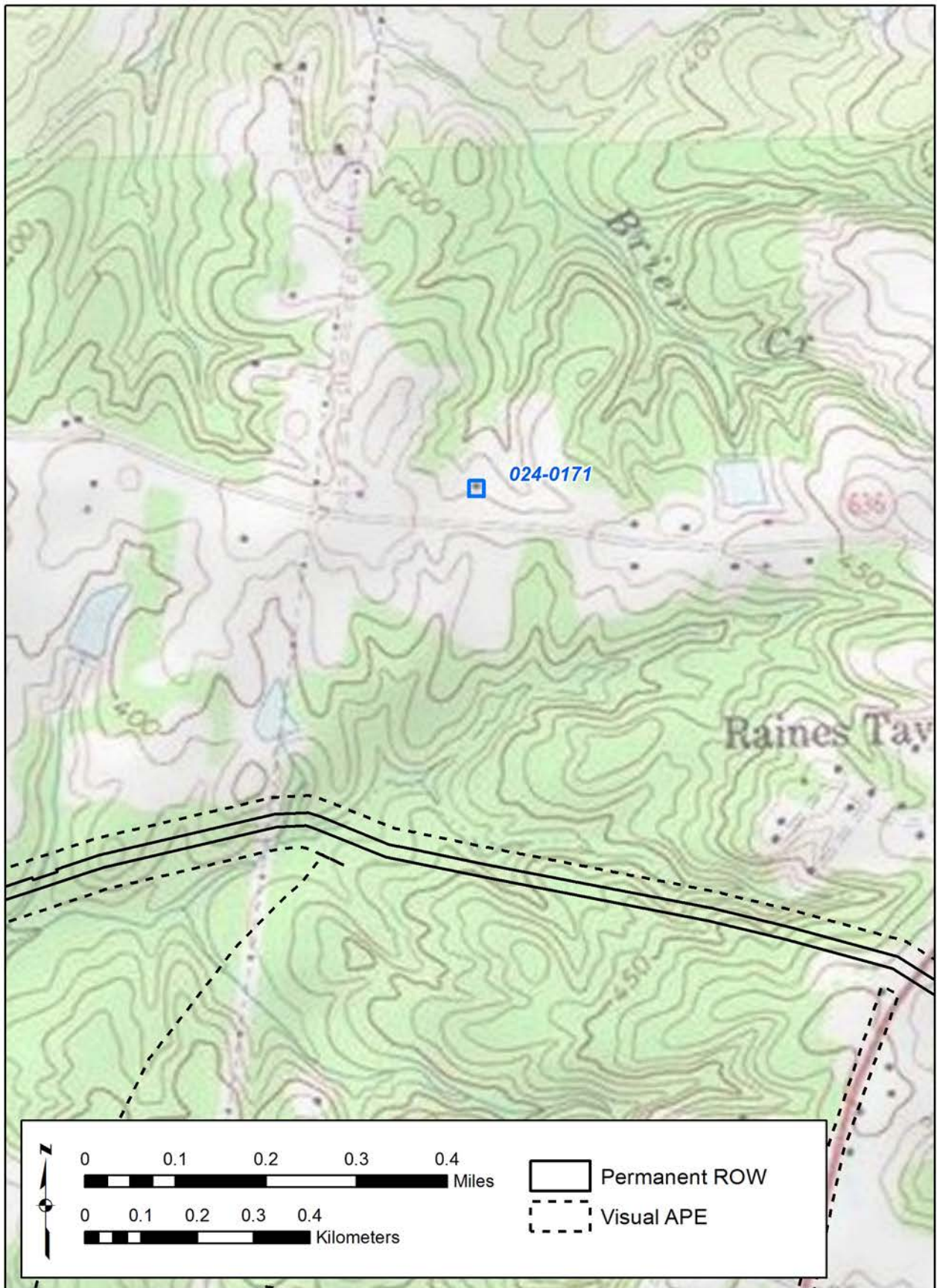


Figure 253. 024-0171 - USGS Quadrangle.



Figure 254. 024-0171 - Aerial.



Figure 255. 024-0171 - 3-D View.

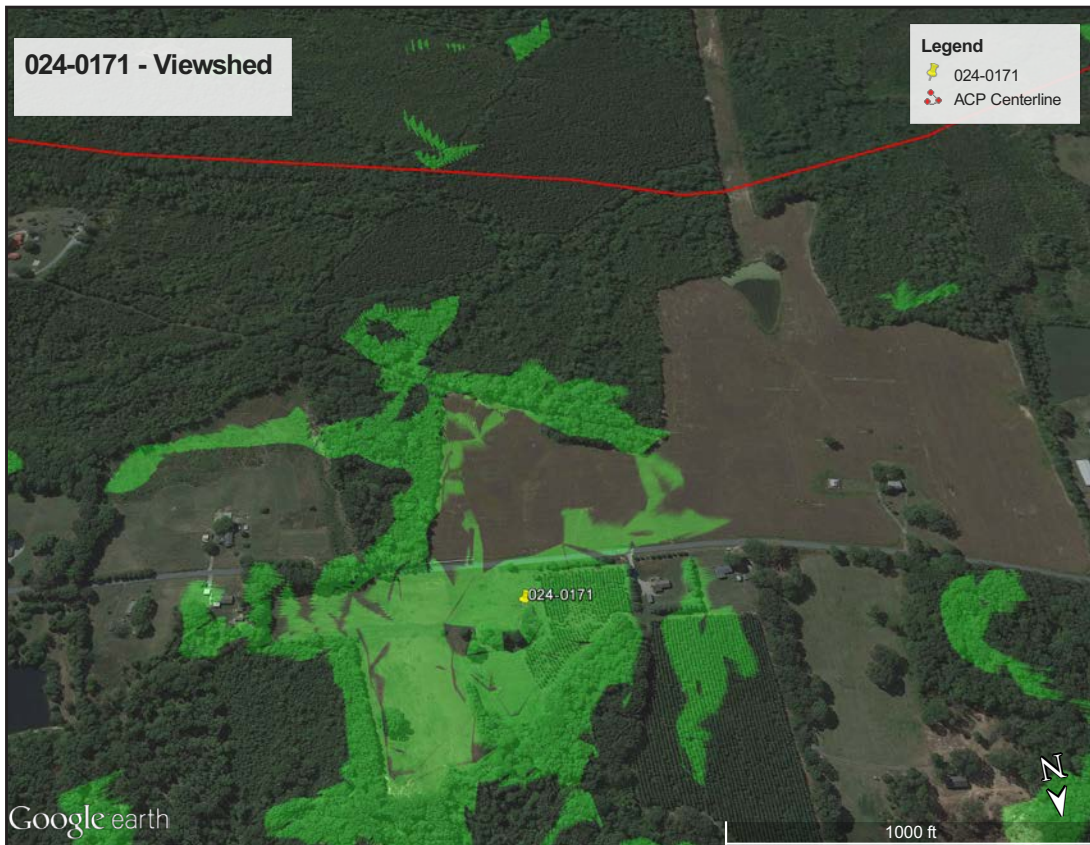


Figure 256. 024-0171 - Viewshed.

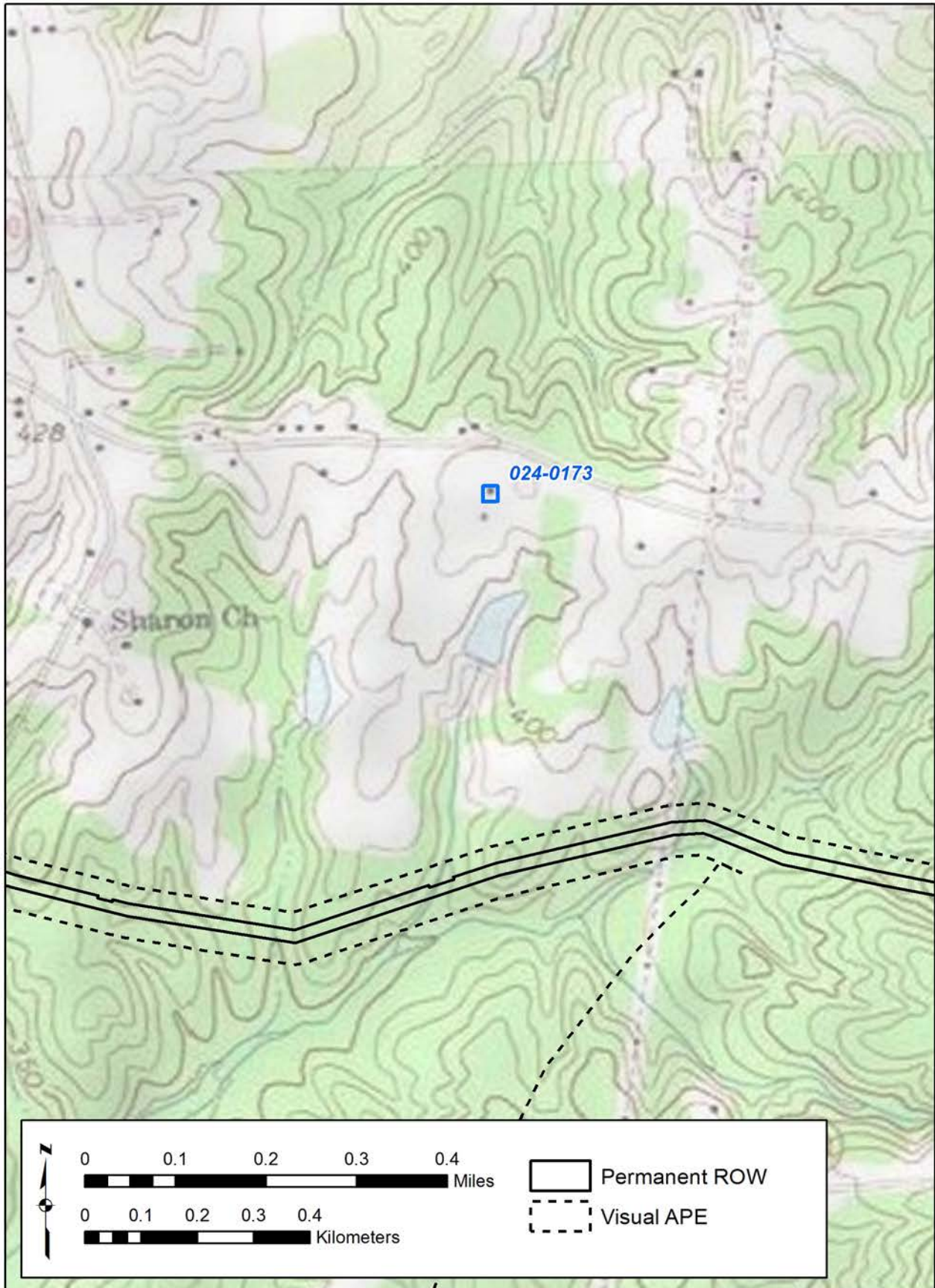


Figure 257. 024-0173 - USGS Quadrangle.



Figure 258. 024-0173 - Aerial.

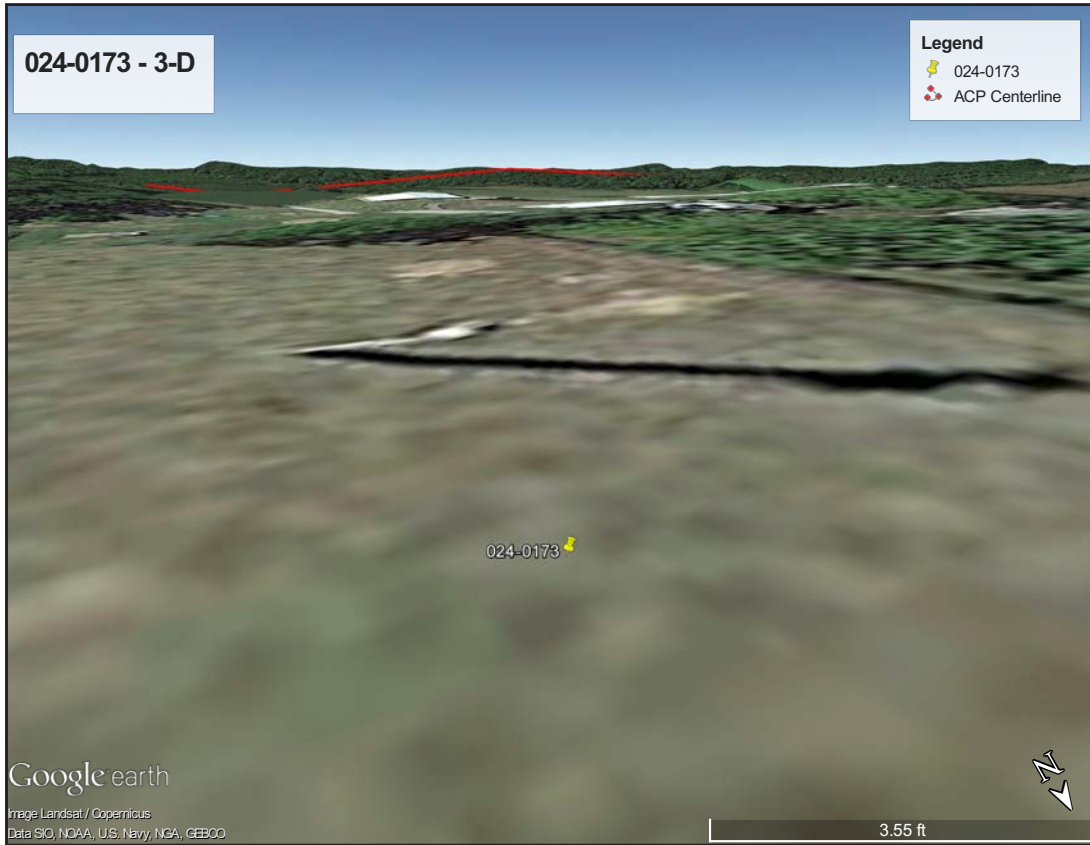


Figure 259. 024-0173 - 3-D View.

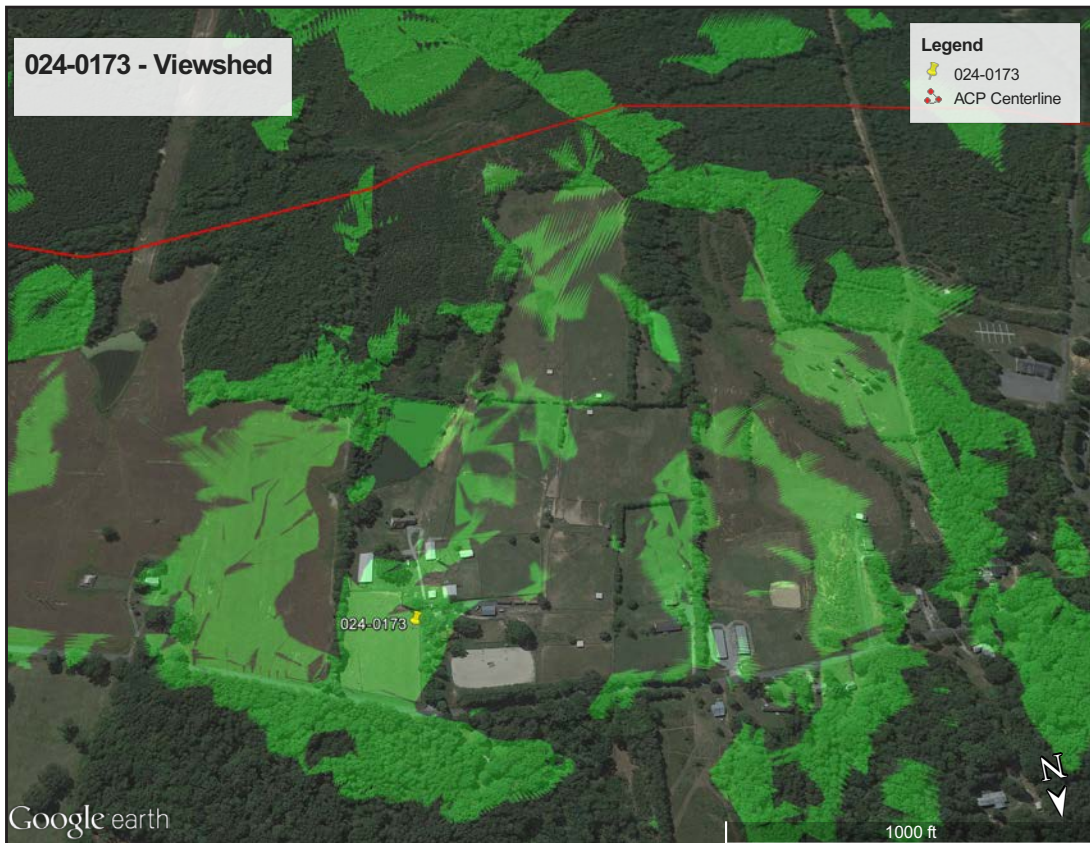


Figure 260. 024-0173 - Viewshed.

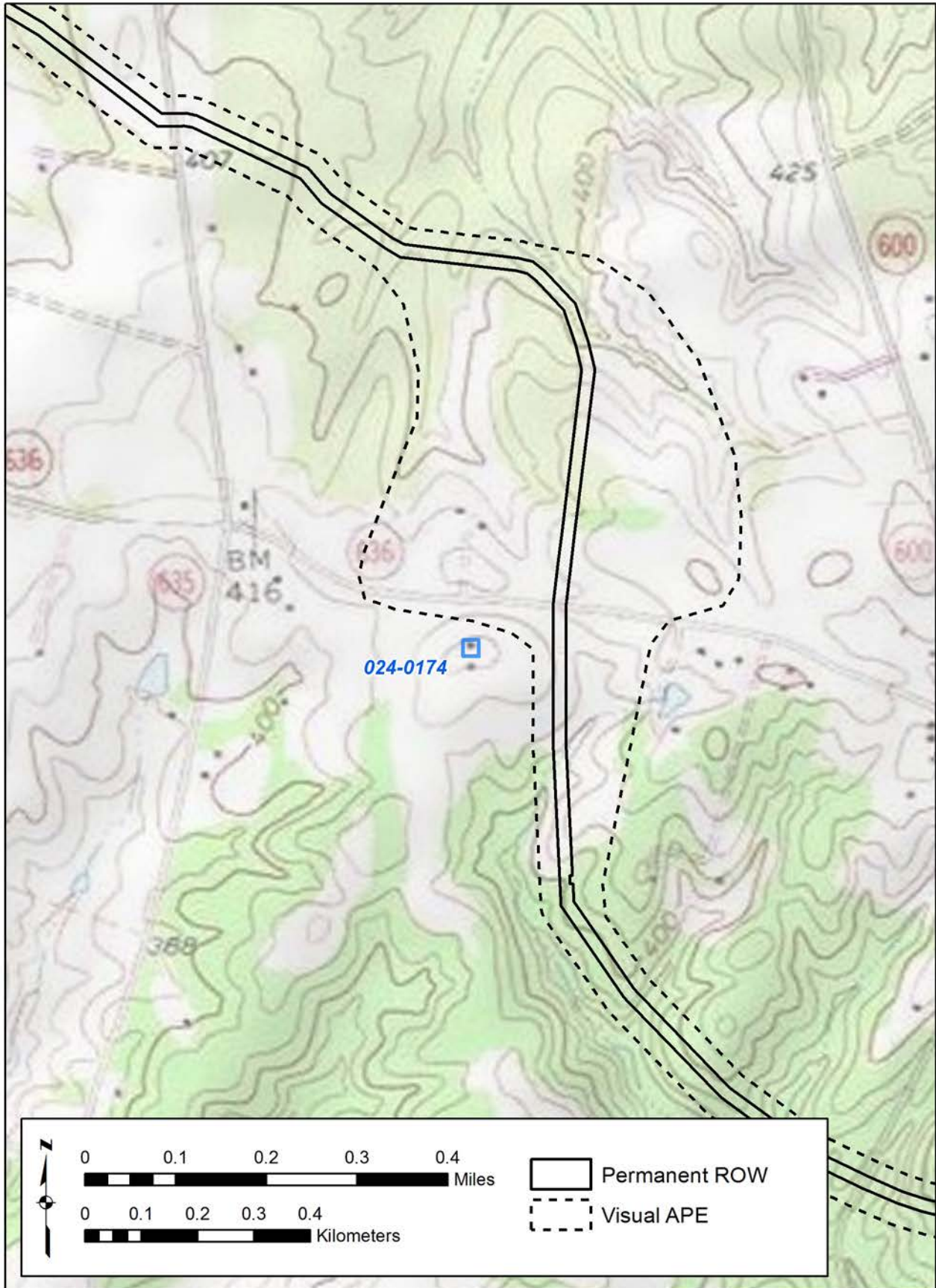


Figure 261. 024-0174 - USGS Quadrangle.

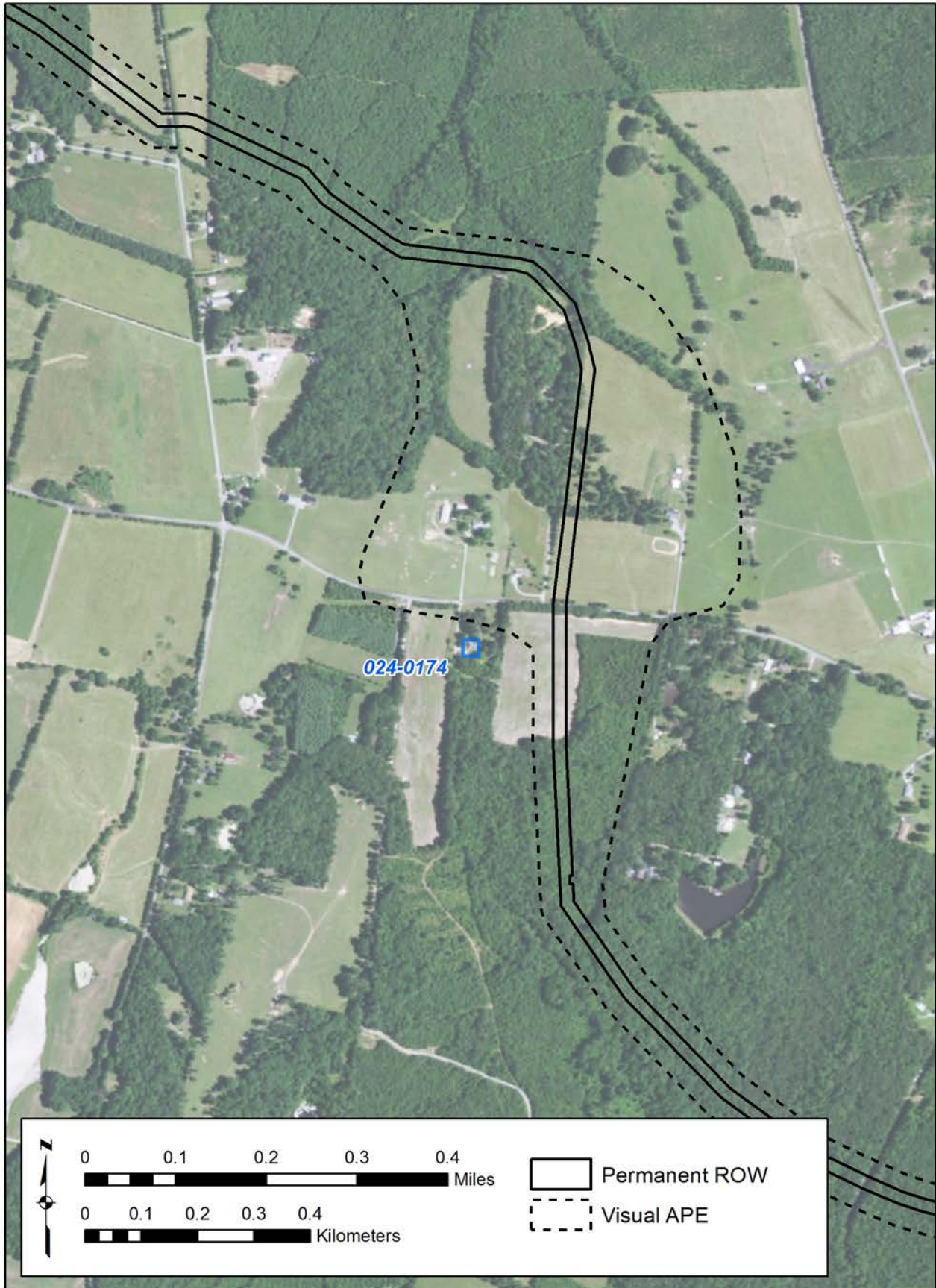


Figure 262. 024-0174 - Aerial.



Figure 263. 024-0174 - 3-D View.



Figure 264. 024-0174 - Viewshed.

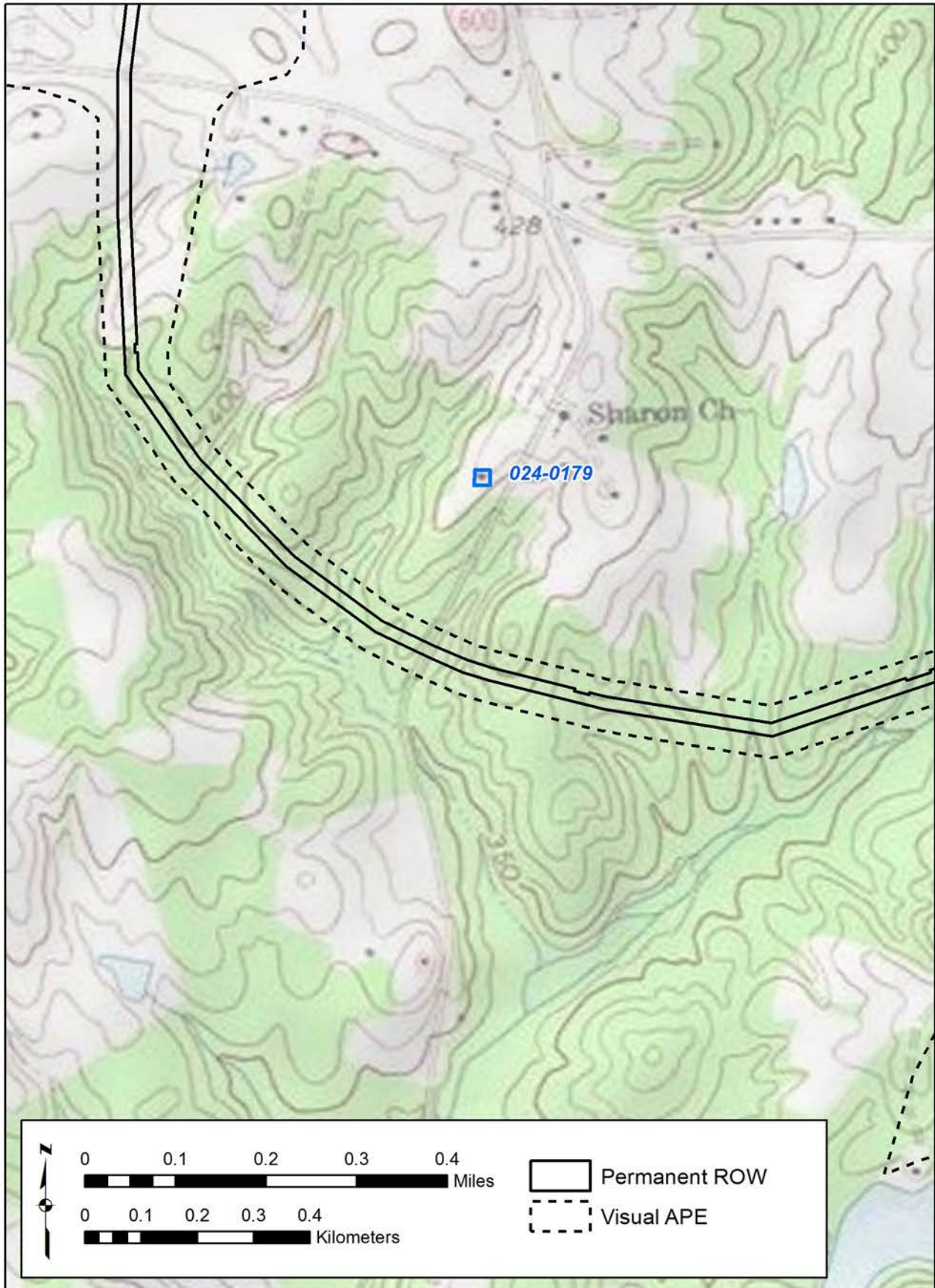


Figure 265. 024-0179 - USGS Quadrangle.

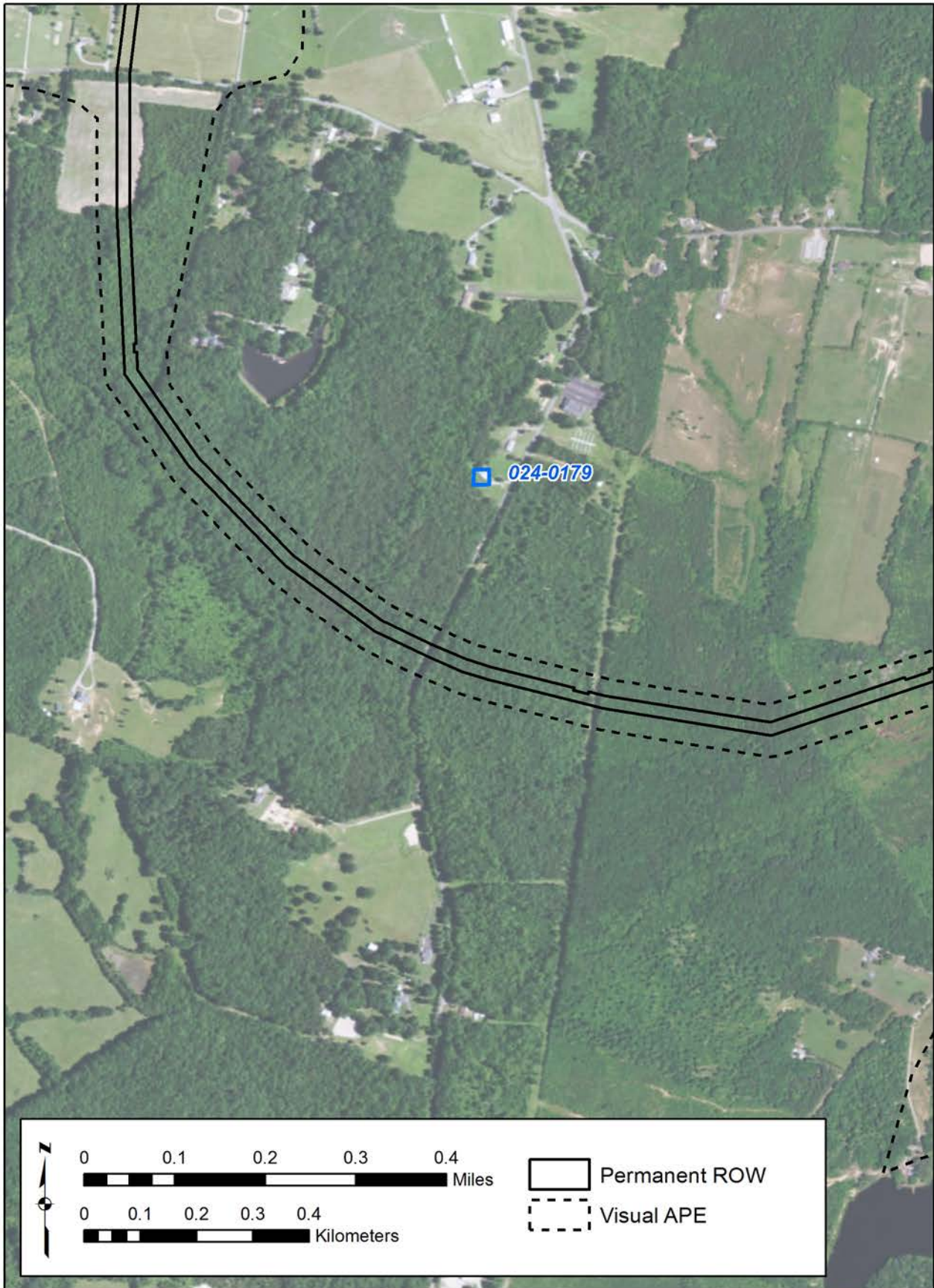


Figure 266. 024-0179 - Aerial.

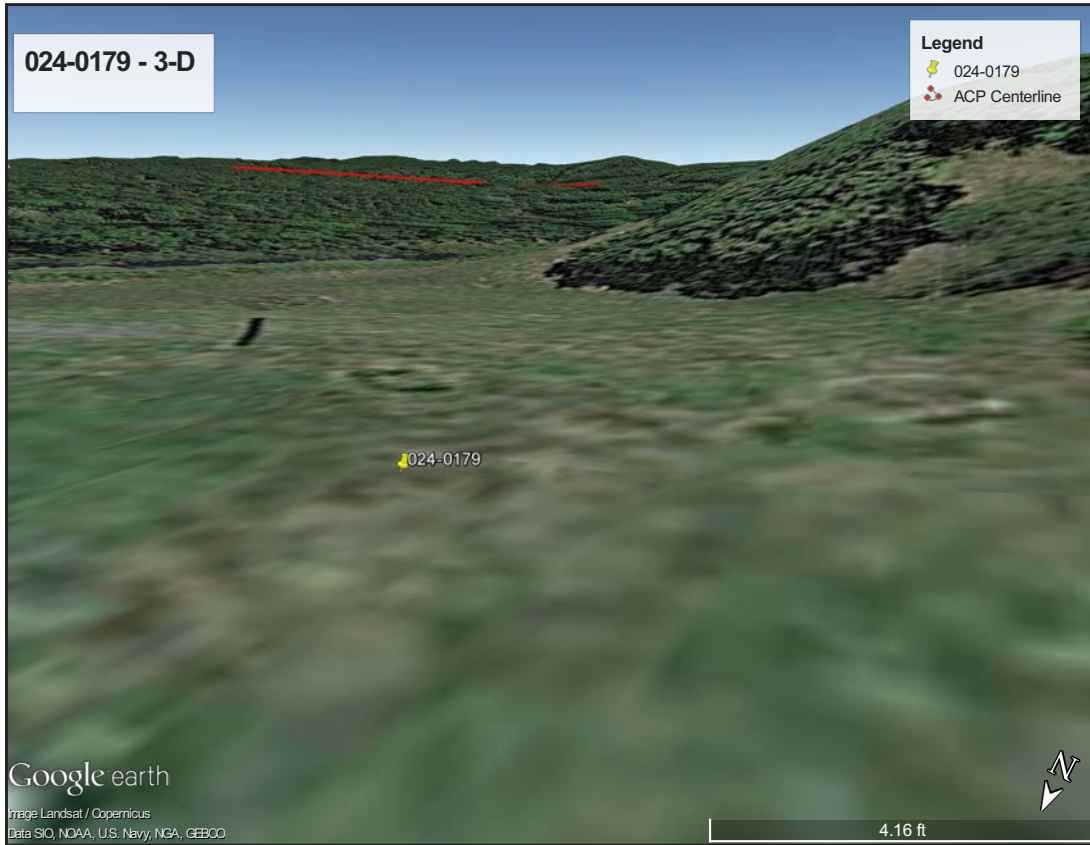


Figure 267. 024-0179 - 3-D View.

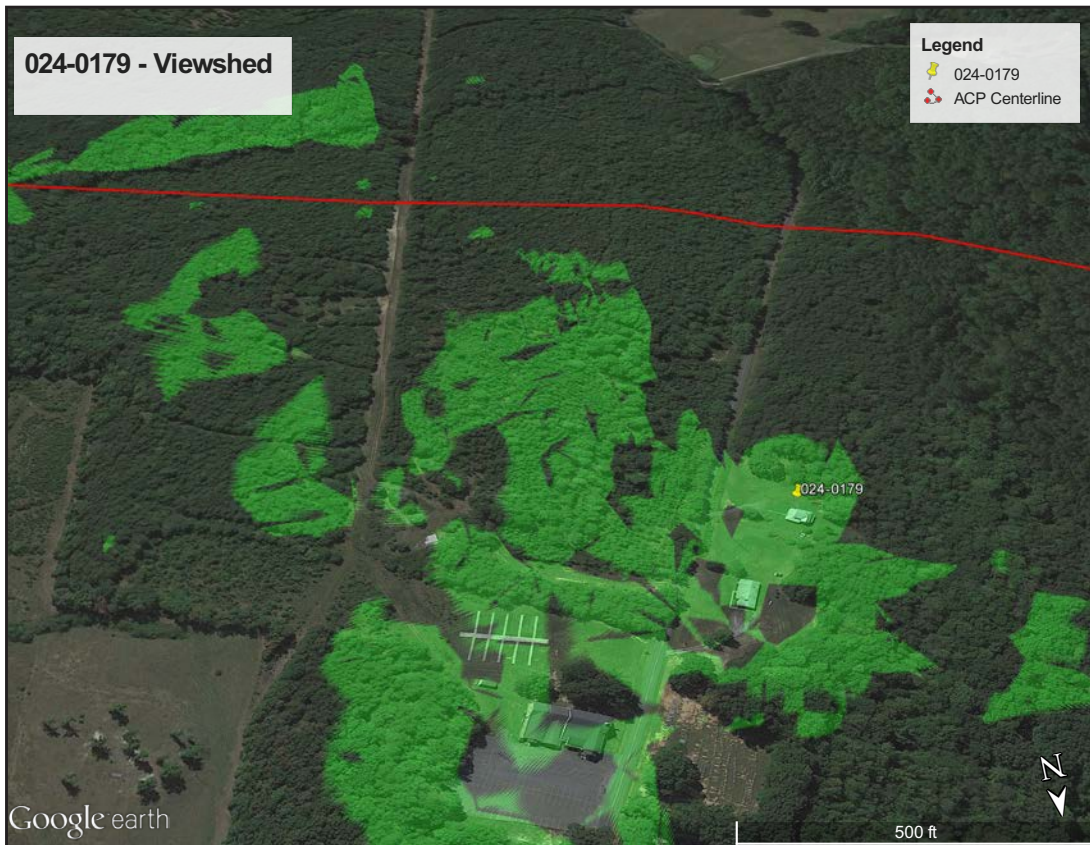


Figure 268. 024-0179 - Viewshed.

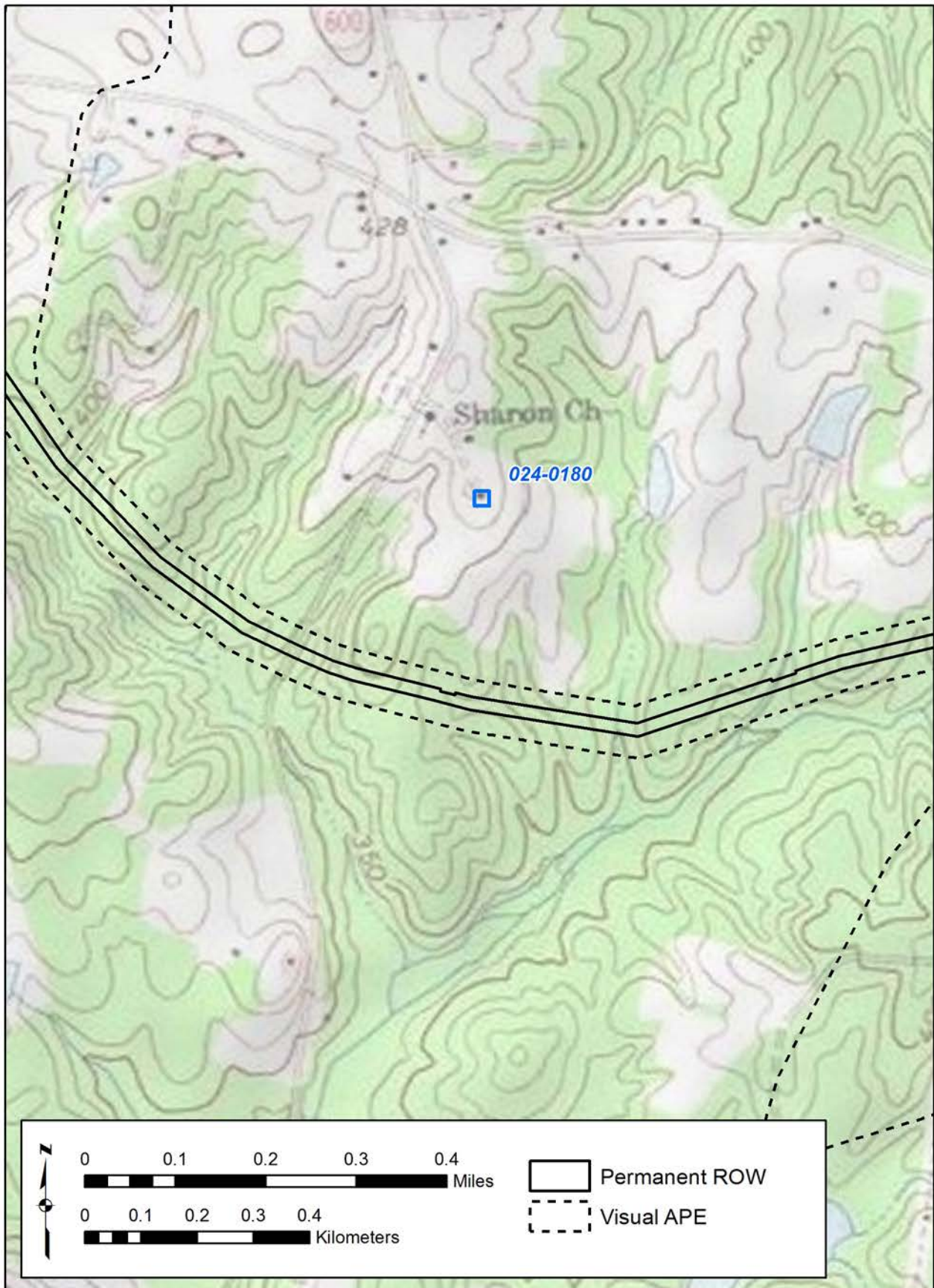


Figure 269. 024-0180 - USGS Quadrangle.

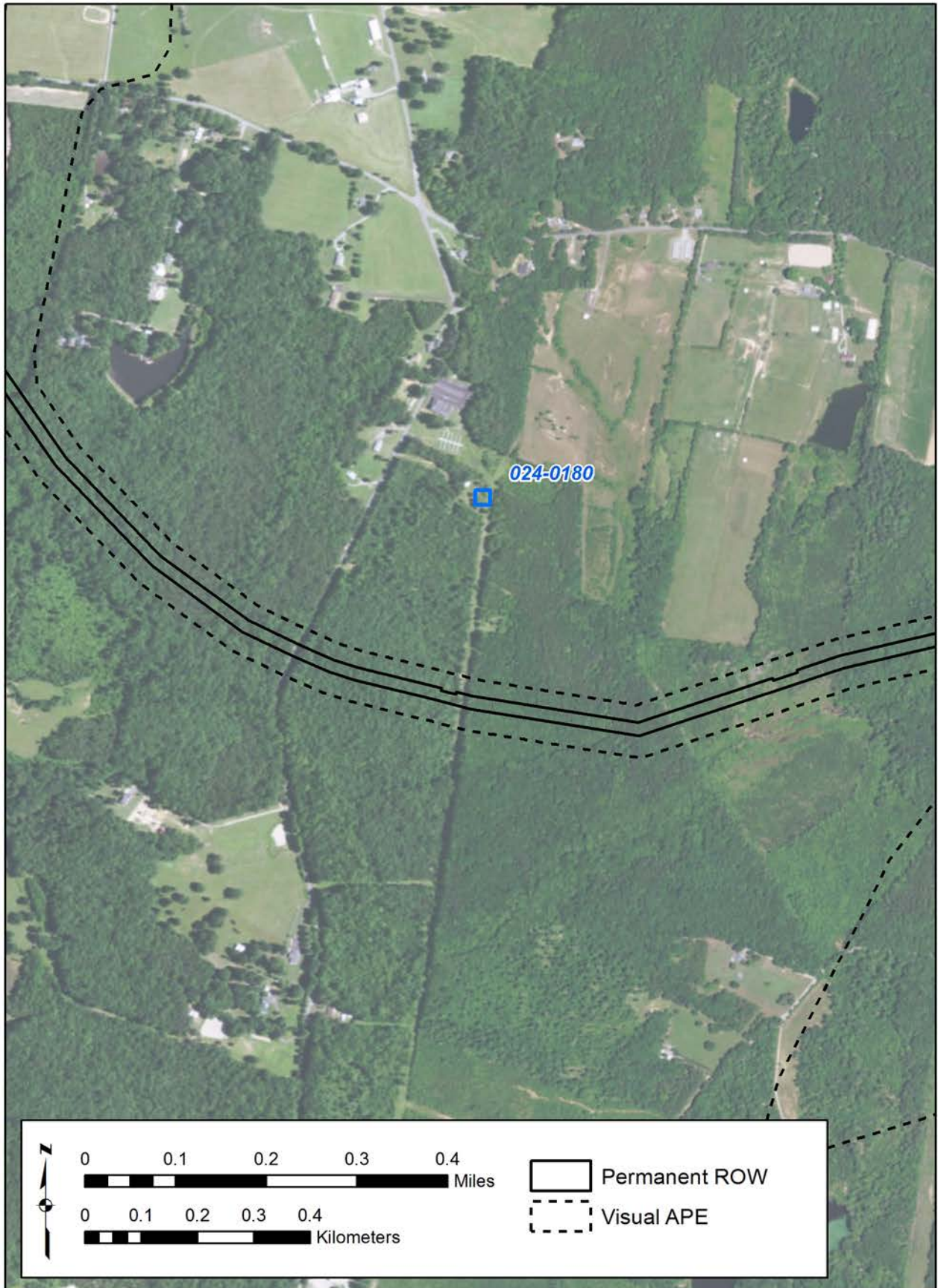


Figure 270. 024-0180 - Aerial.



Figure 271. 024-0180 - 3-D View.

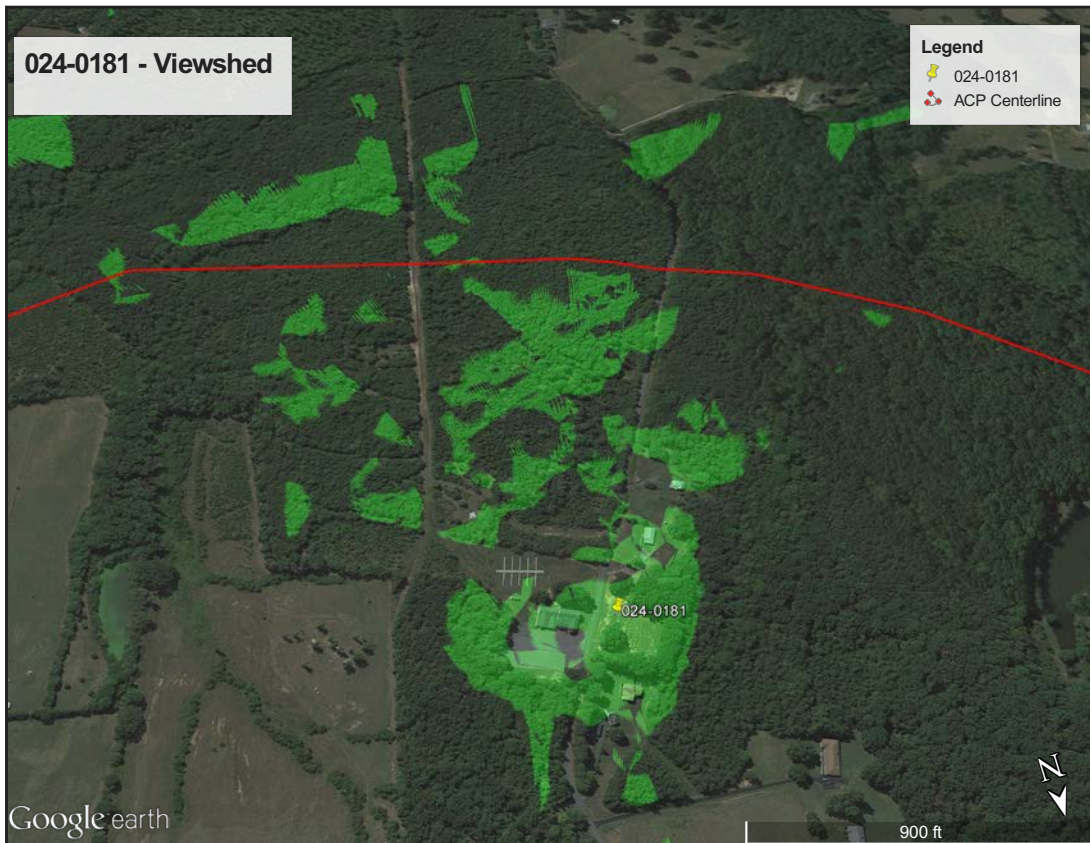


Figure 272. 024-0180 - Viewshed.

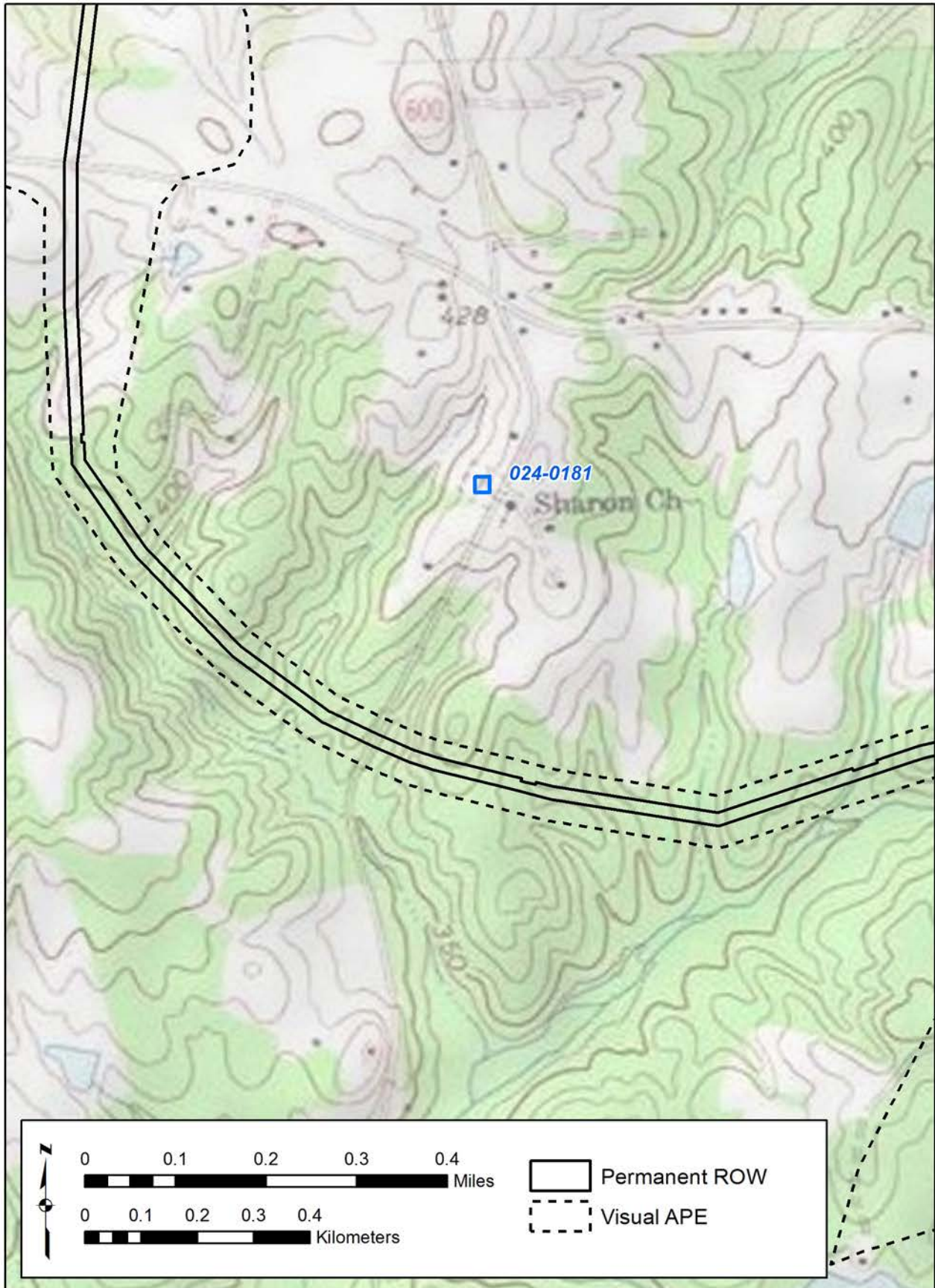


Figure 273. 024-0181 - USGS Quadrangle.

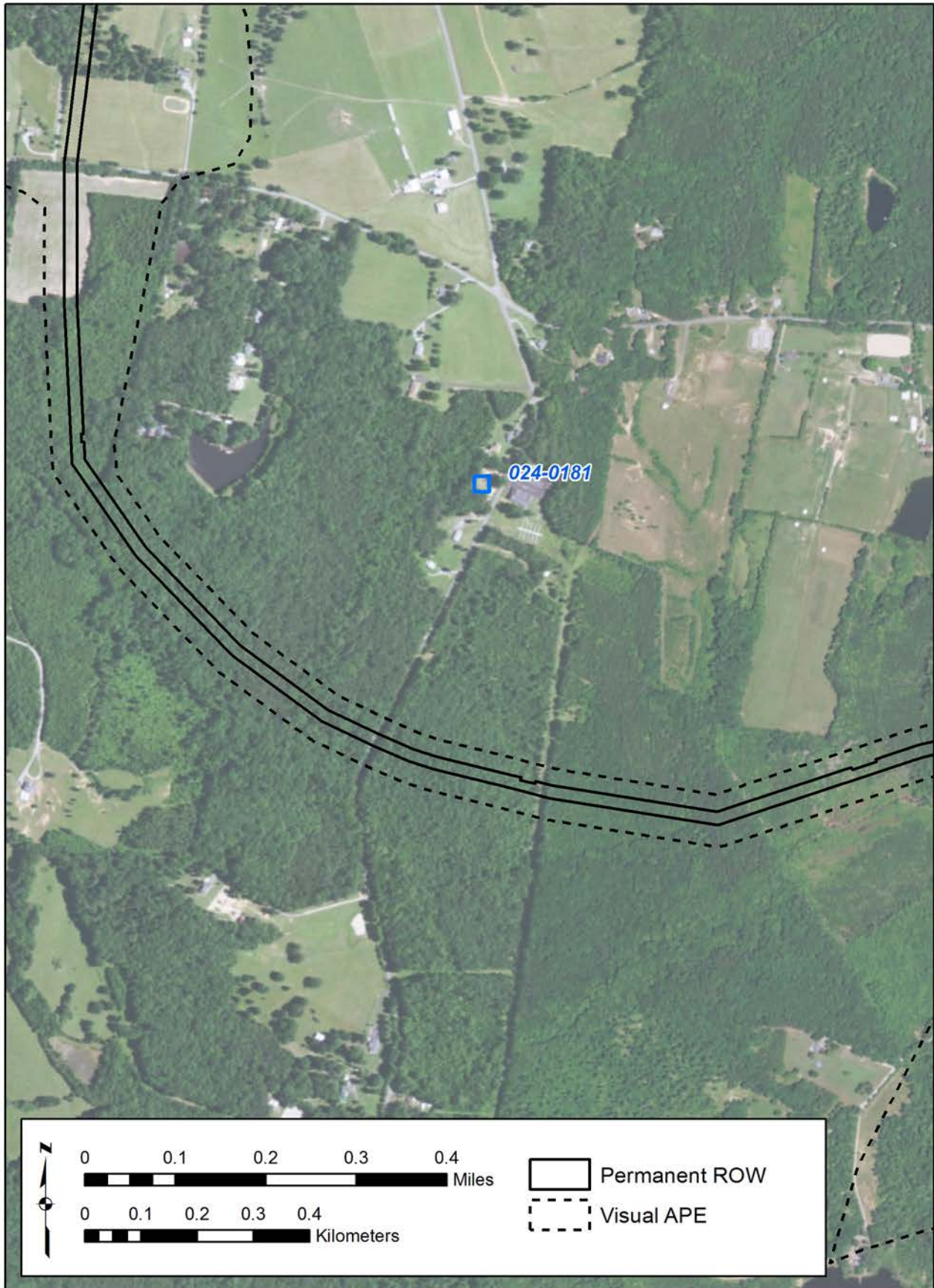


Figure 274. 024-0181 - Aerial.

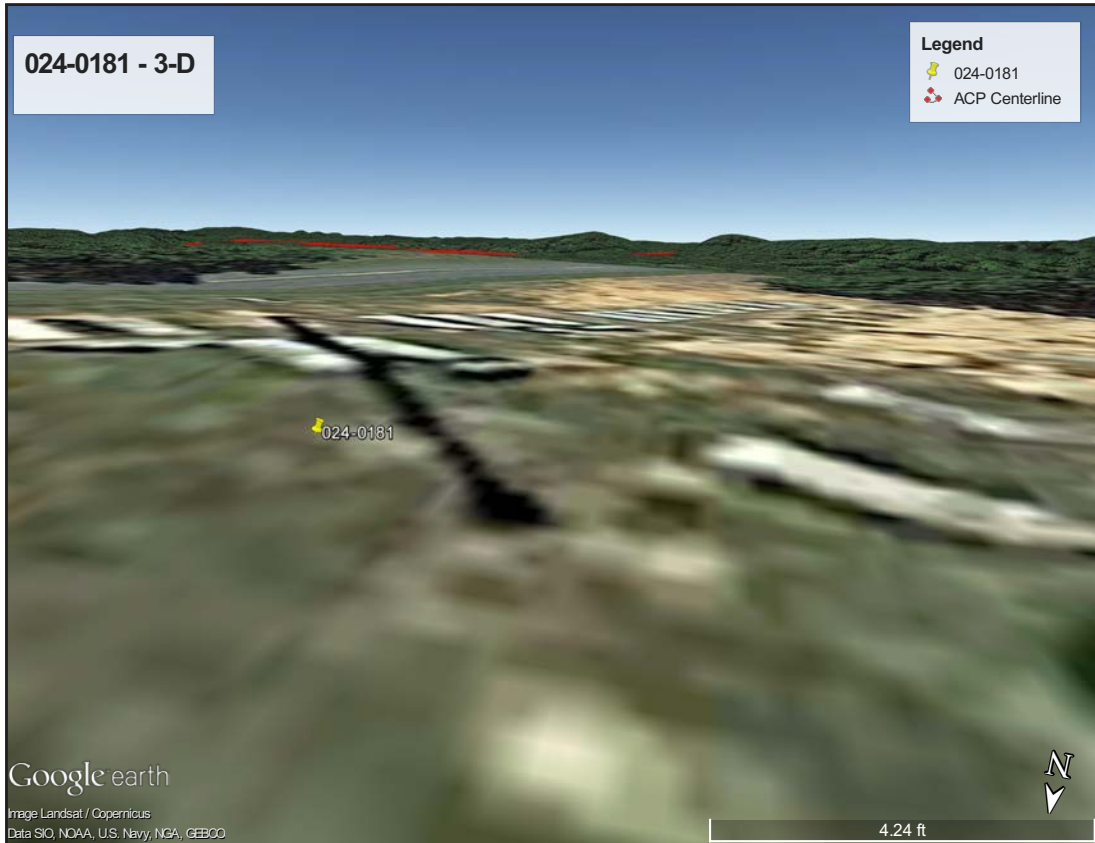


Figure 275. 024-0181 - 3-D View.

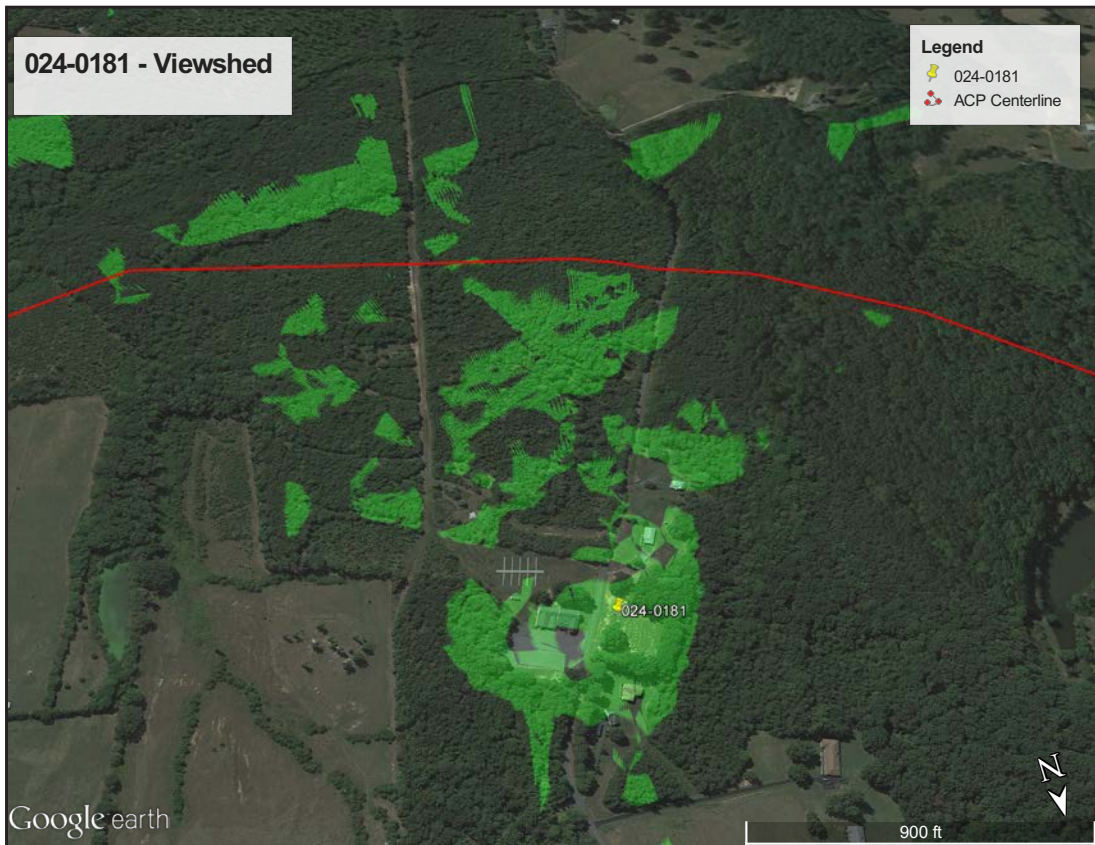


Figure 276. 024-0181 - Viewshed.

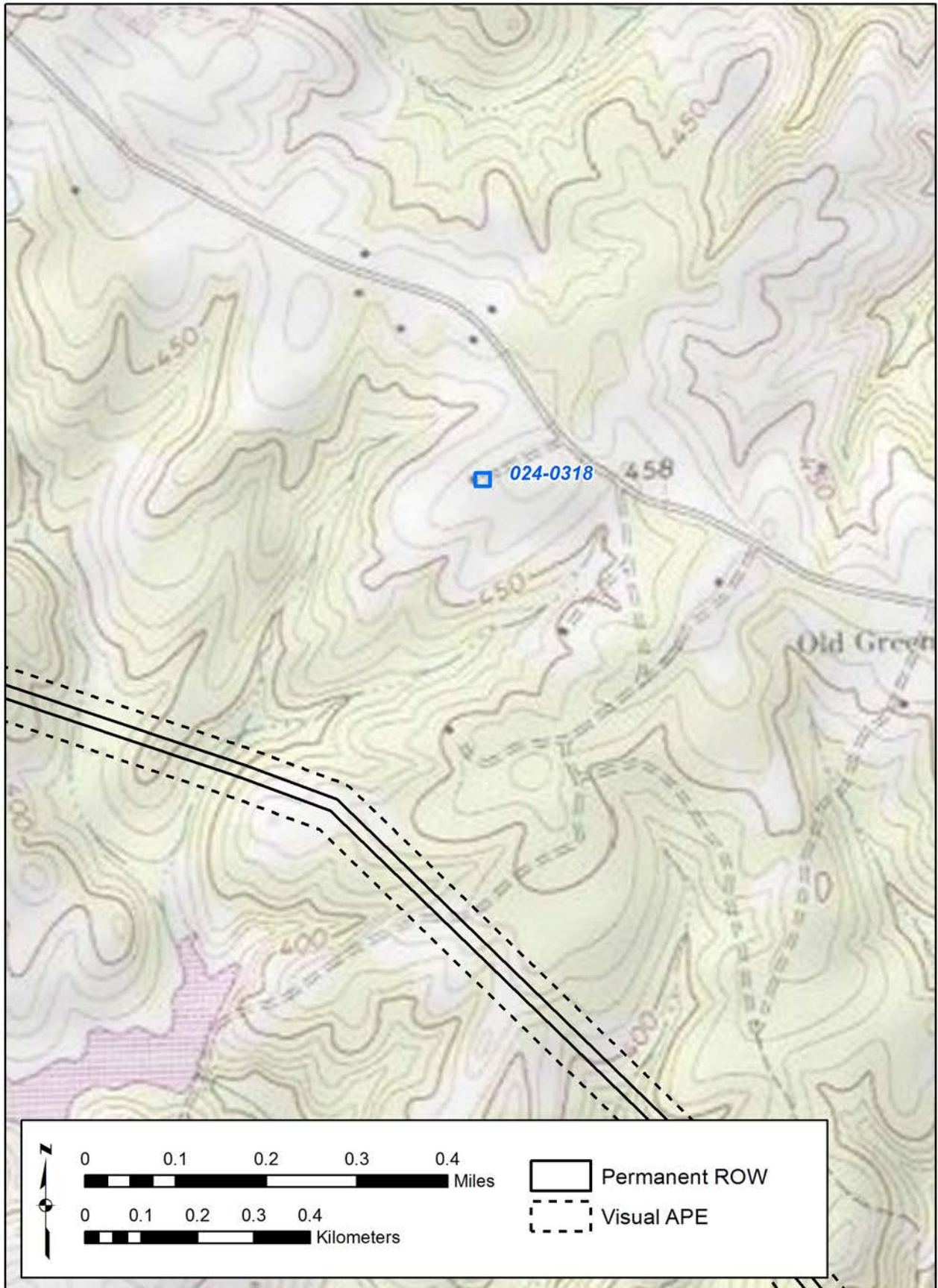


Figure 277. 024-0318 - USGS Quadrangle.

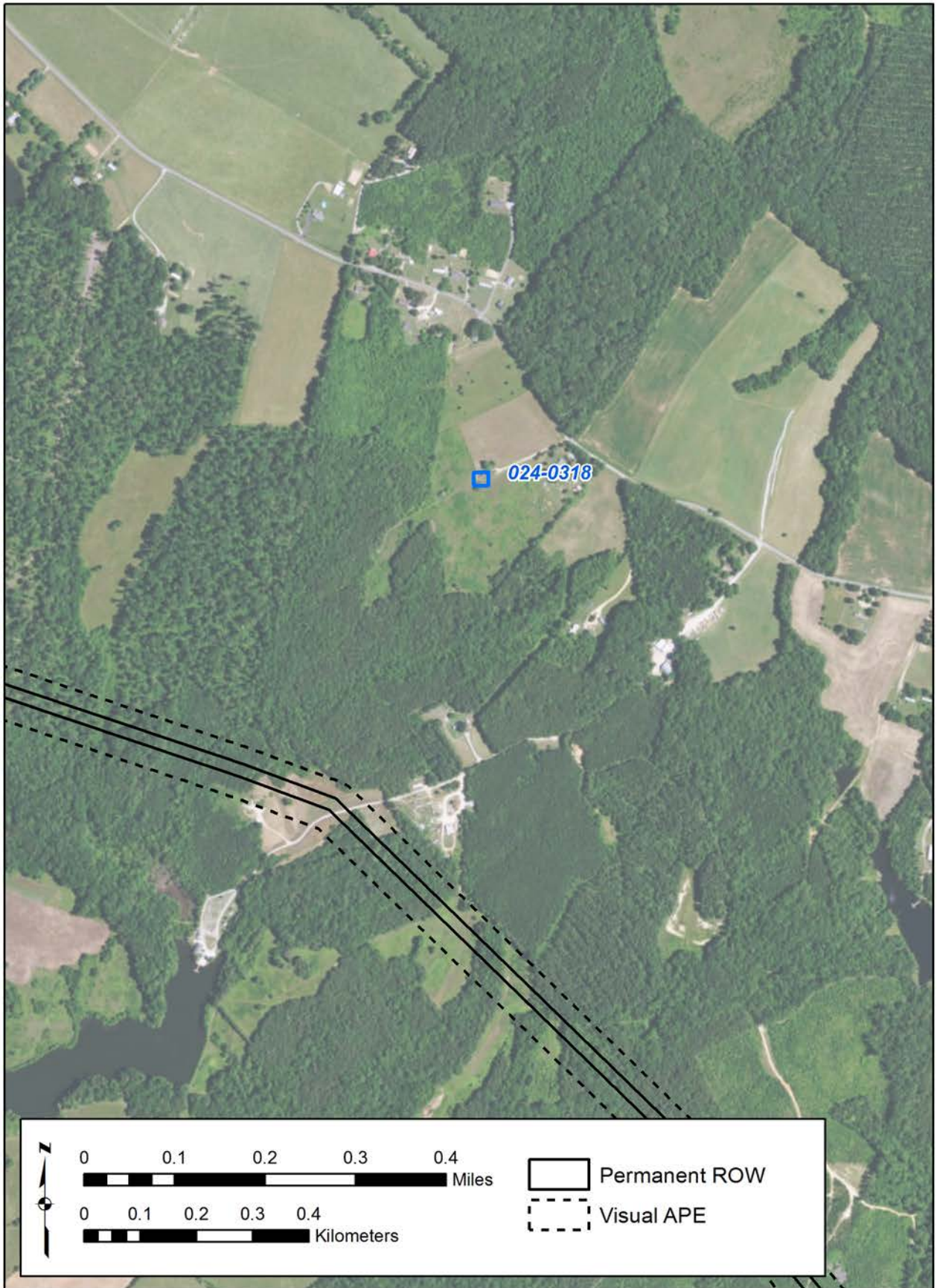


Figure 278. 024-0318 - Aerial.

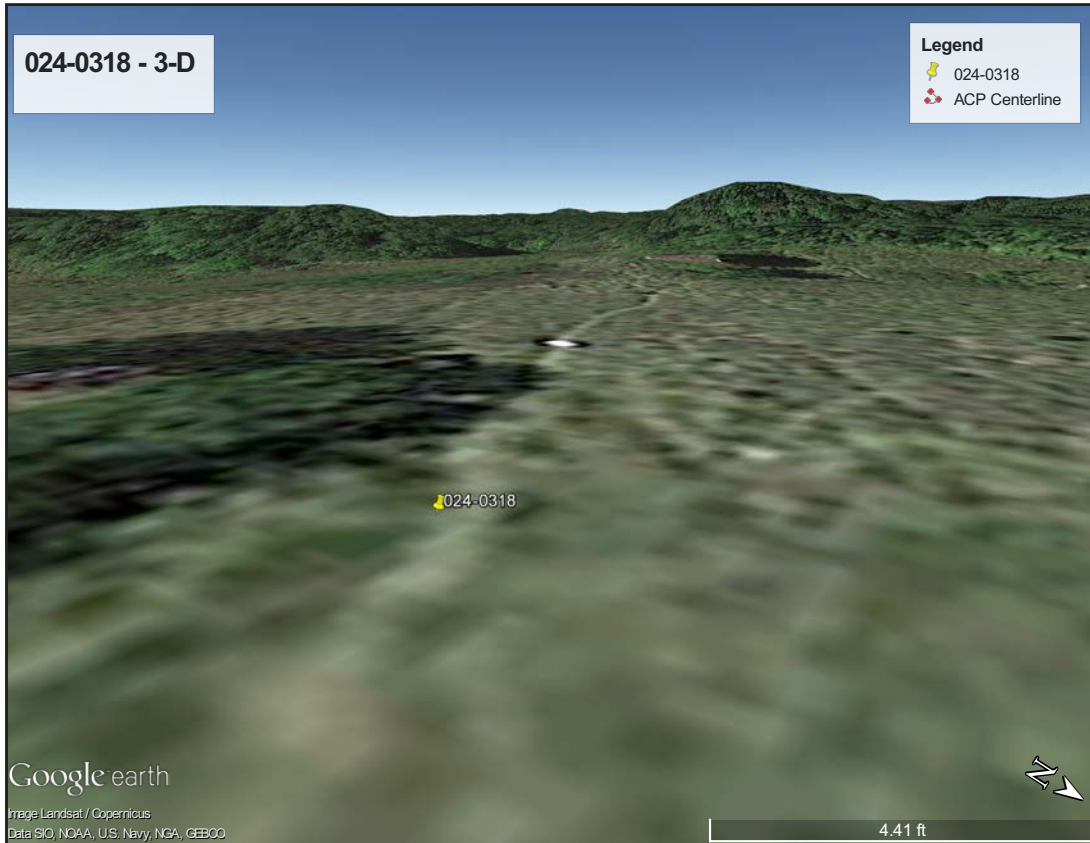


Figure 279. 024-0318 - 3-D View.

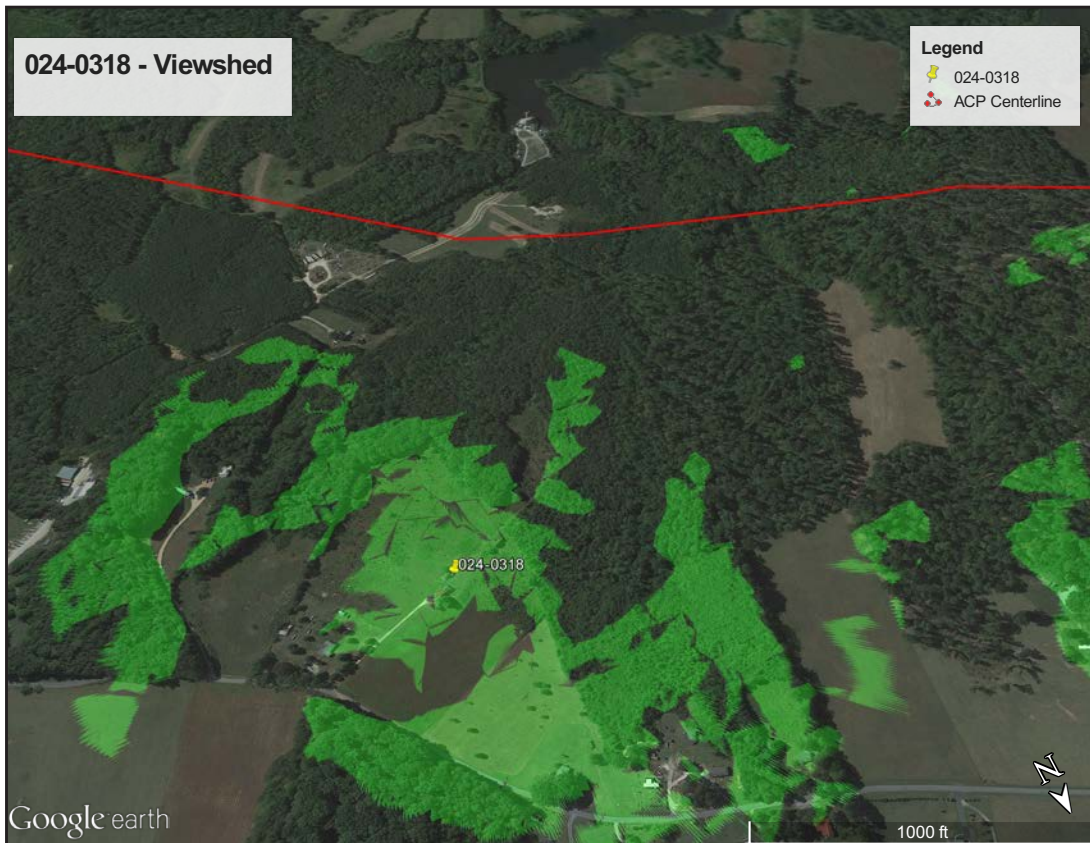


Figure 280. 024-0318 - Viewshed.

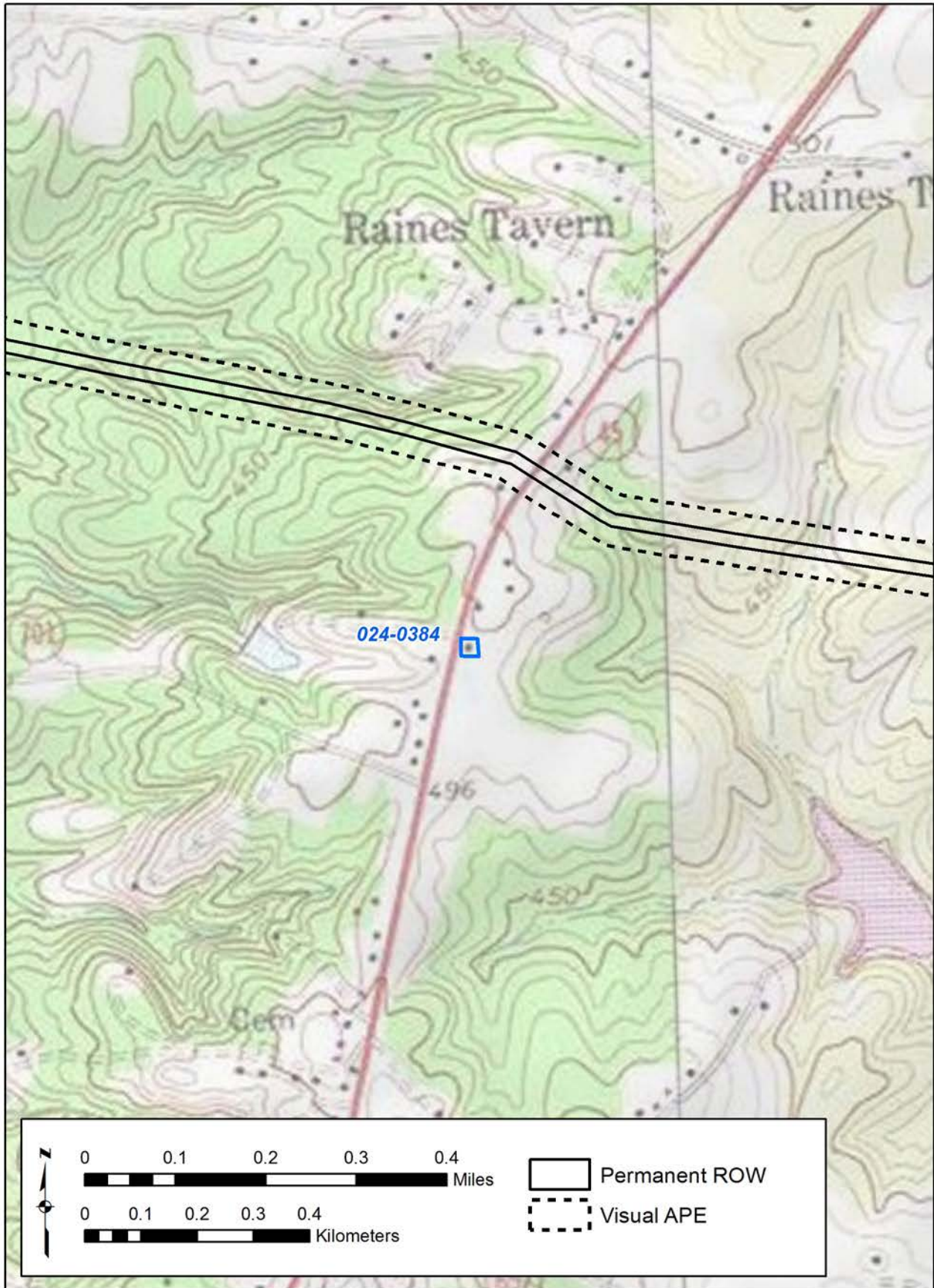


Figure 281. 024-0384 - USGS Quadrangle.

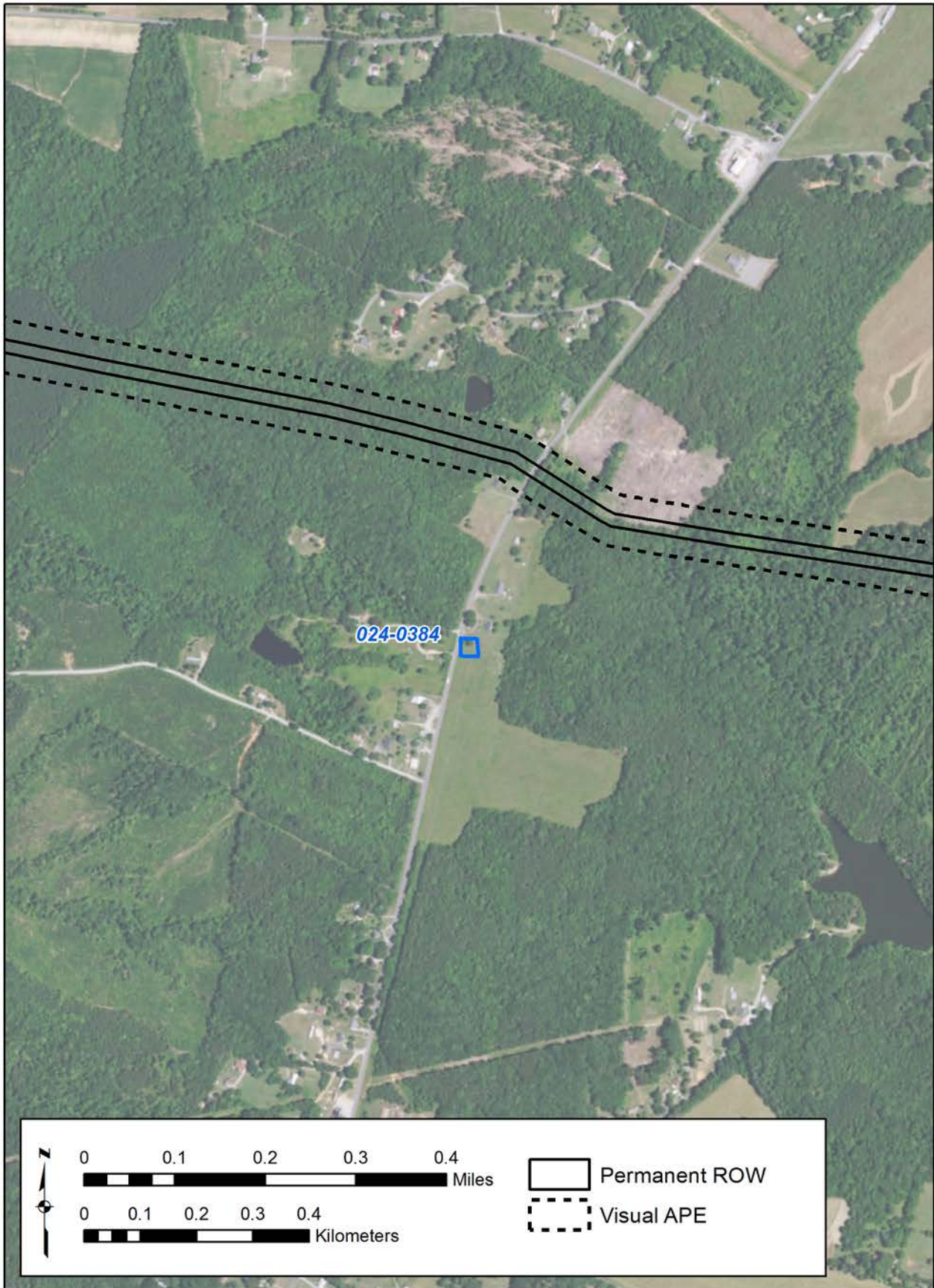


Figure 282. 024-0384 - Aerial.

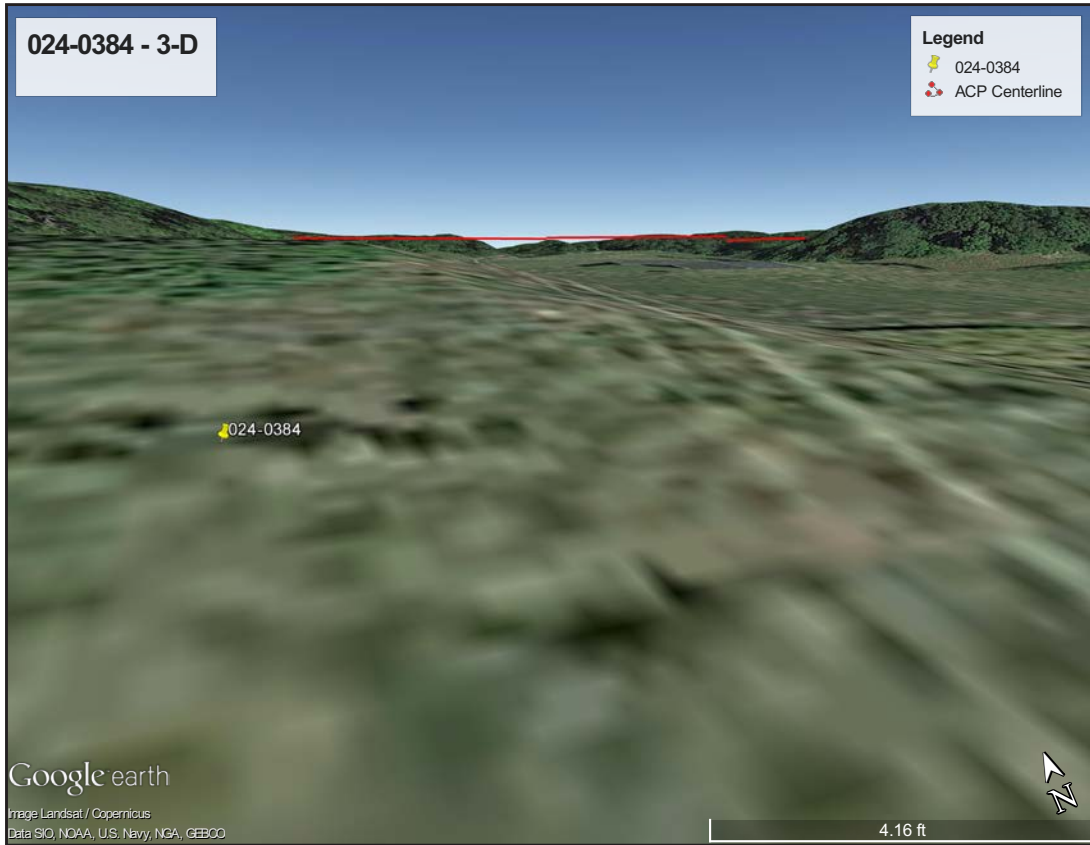


Figure 283. 024-0384 - 3-D View.



Figure 284. 024-0384 - Viewshed.



Figure 285. 024-0391 - USGS Quadrangle.



Figure 286. 024-0391 - Aerial.

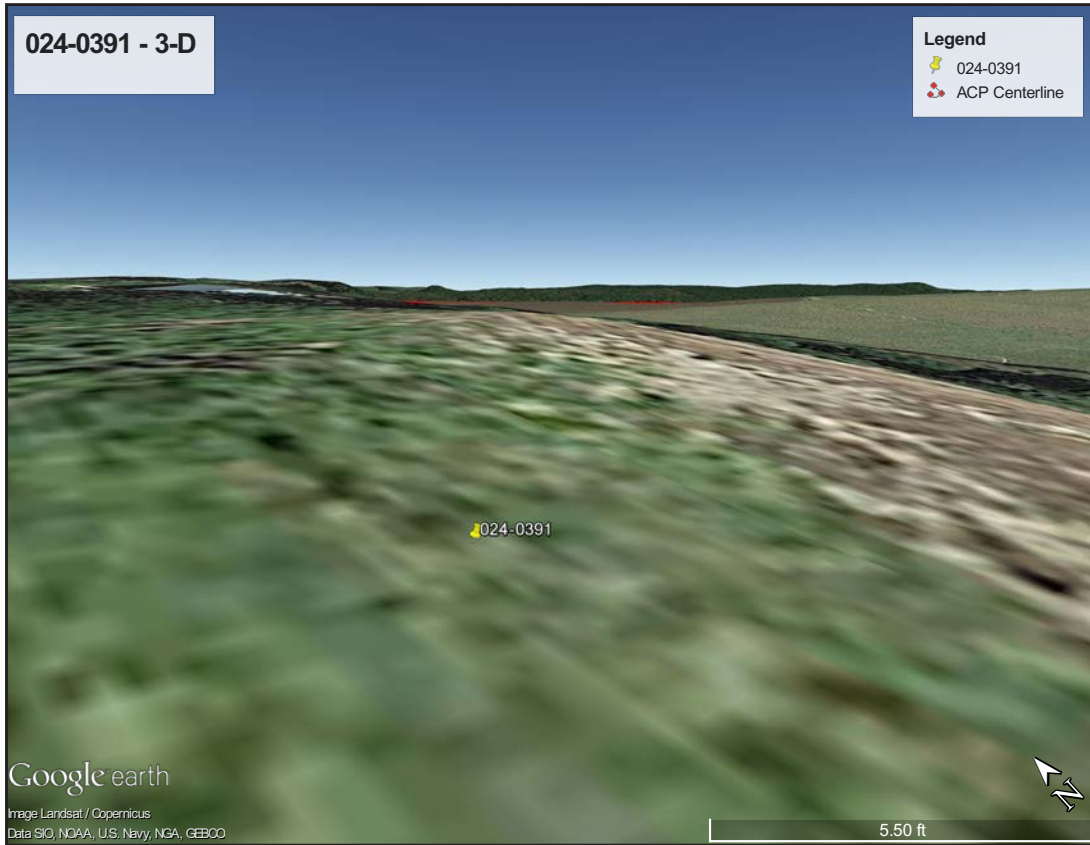


Figure 287. 024-0391 - 3-D View.

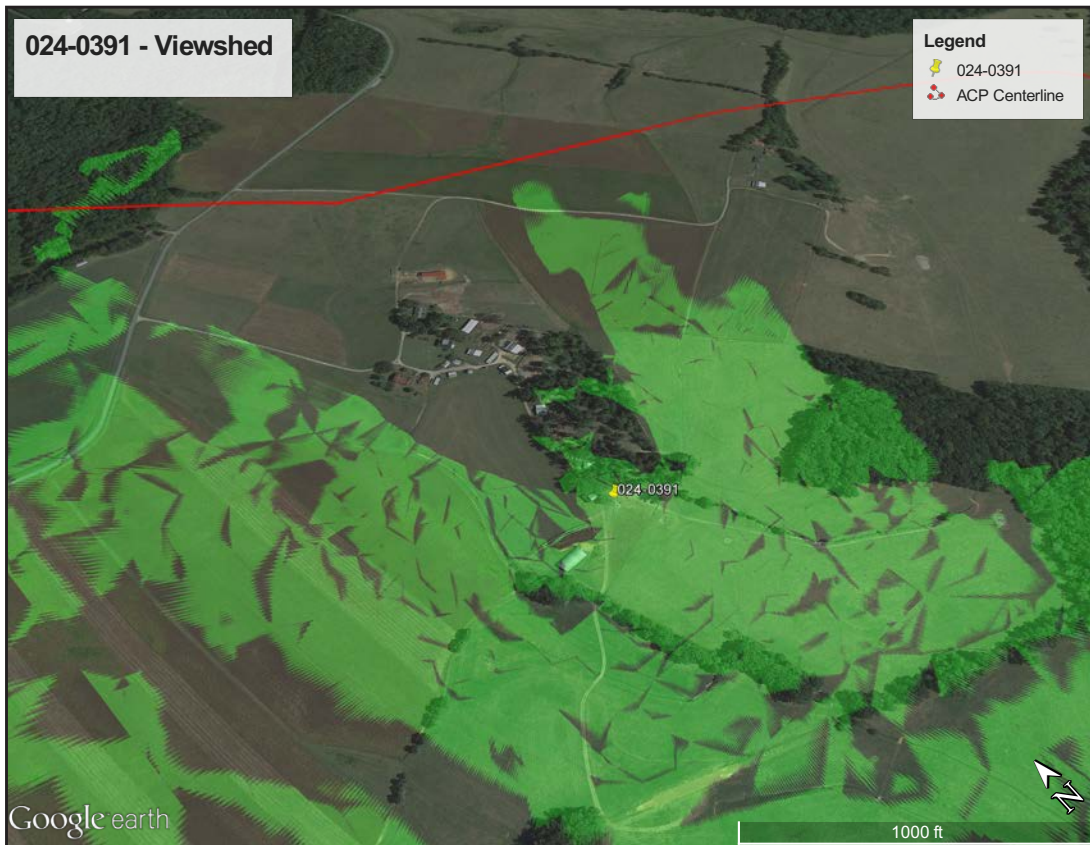


Figure 288. 024-0391 - Viewshed.

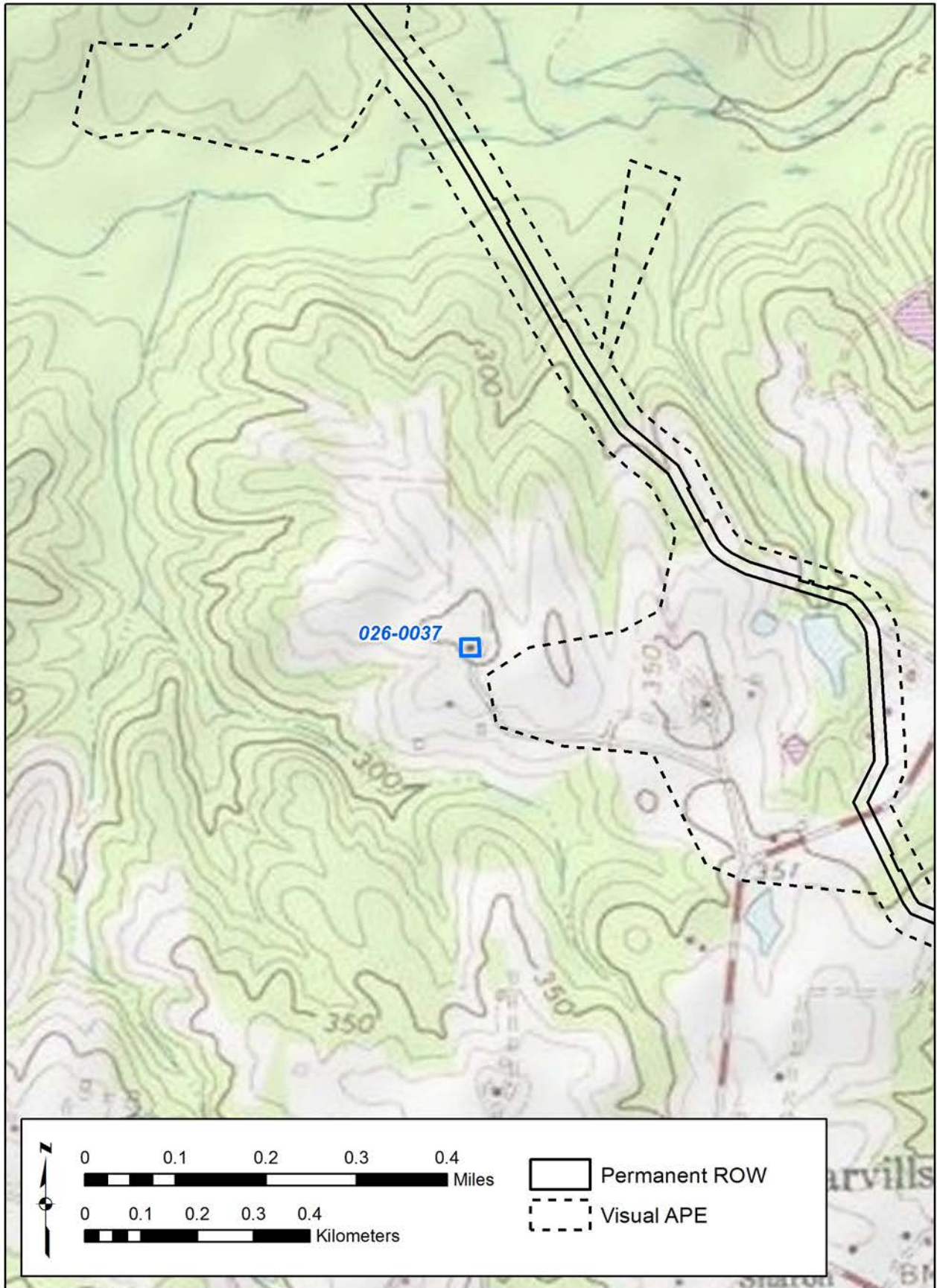


Figure 289. 026-0037 - USGS Quadrangle.



Figure 290. 026-0037 - Aerial.



Figure 291. 026-0037 - 3-D View.

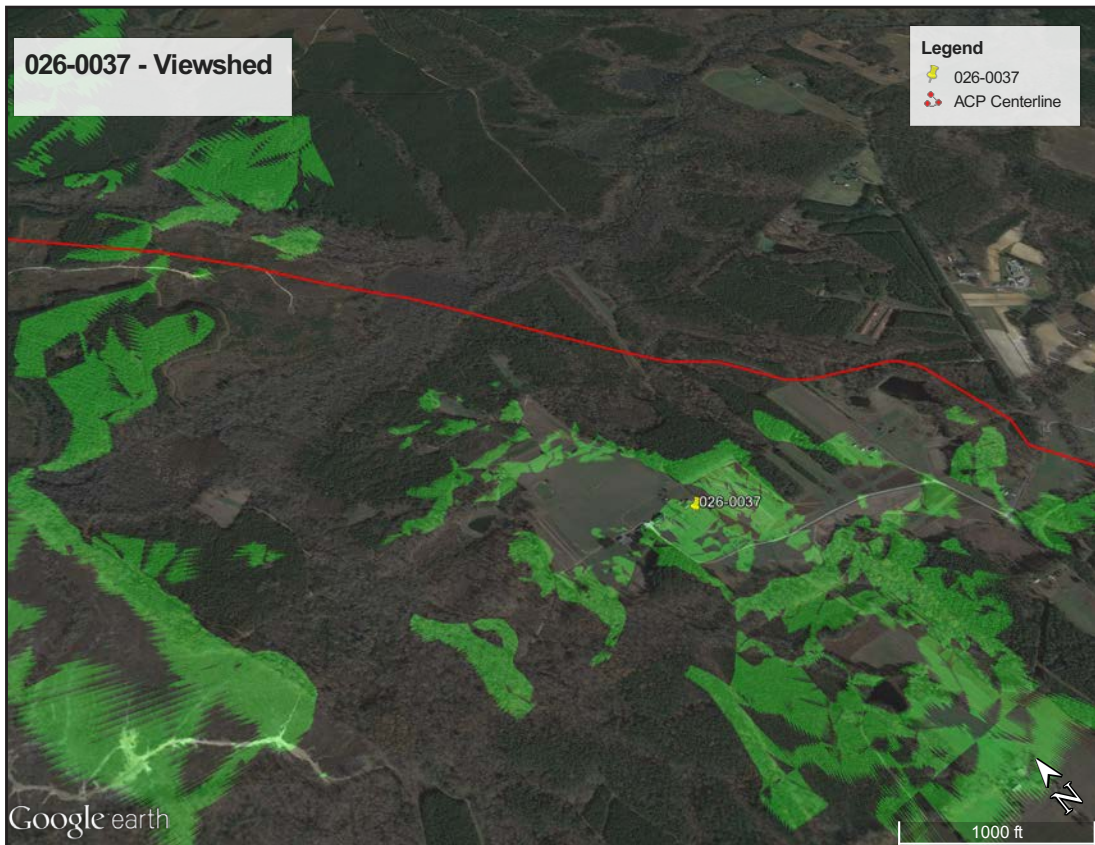


Figure 292. 026-0037 - Viewshed.

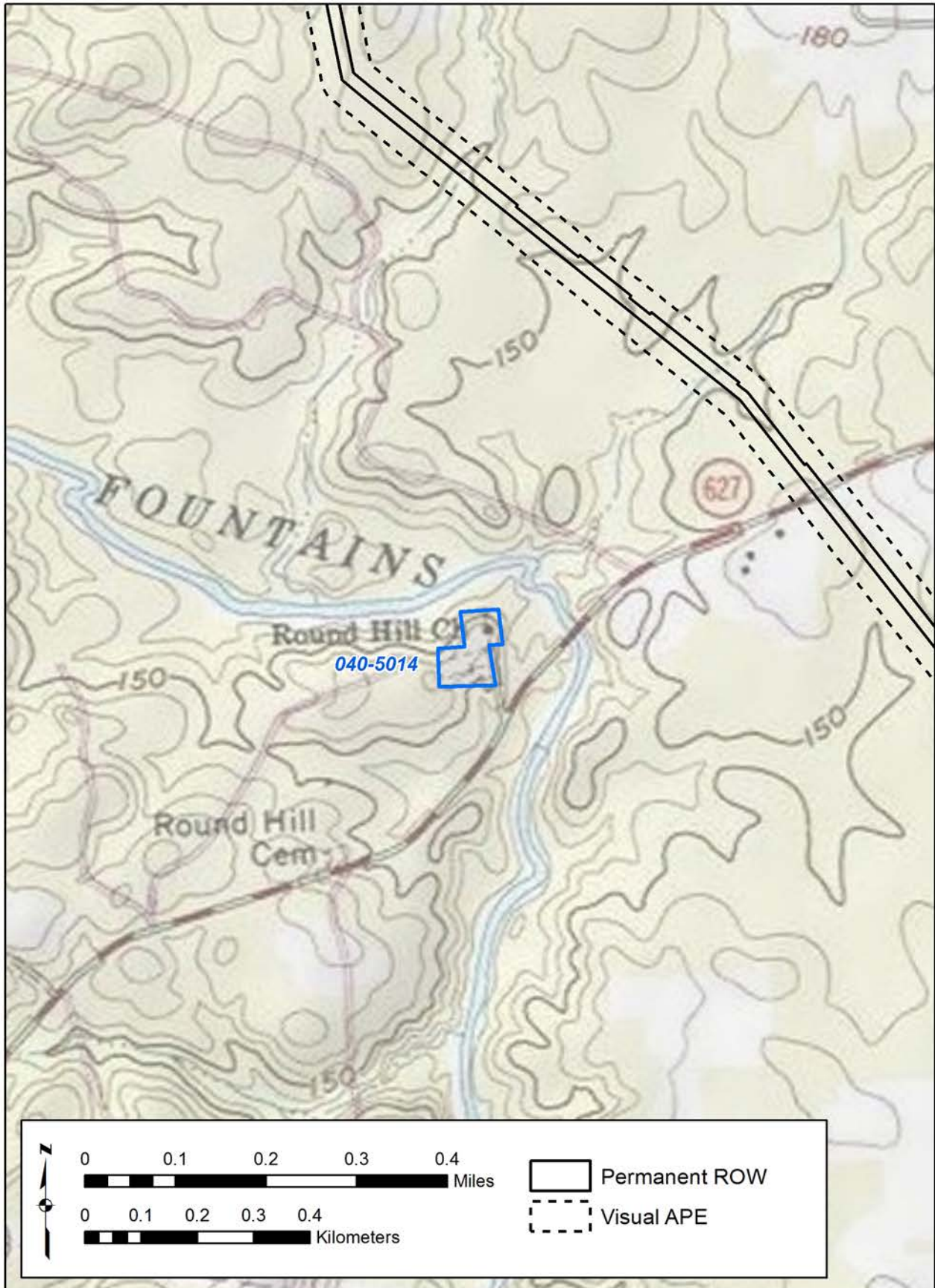


Figure 293. 040-5014 - USGS Quadrangle.



Figure 294. 040-5014 - Aerial.



Figure 295. 040-5014 - 3-D View.



Figure 296. 040-5014 - Viewshed.

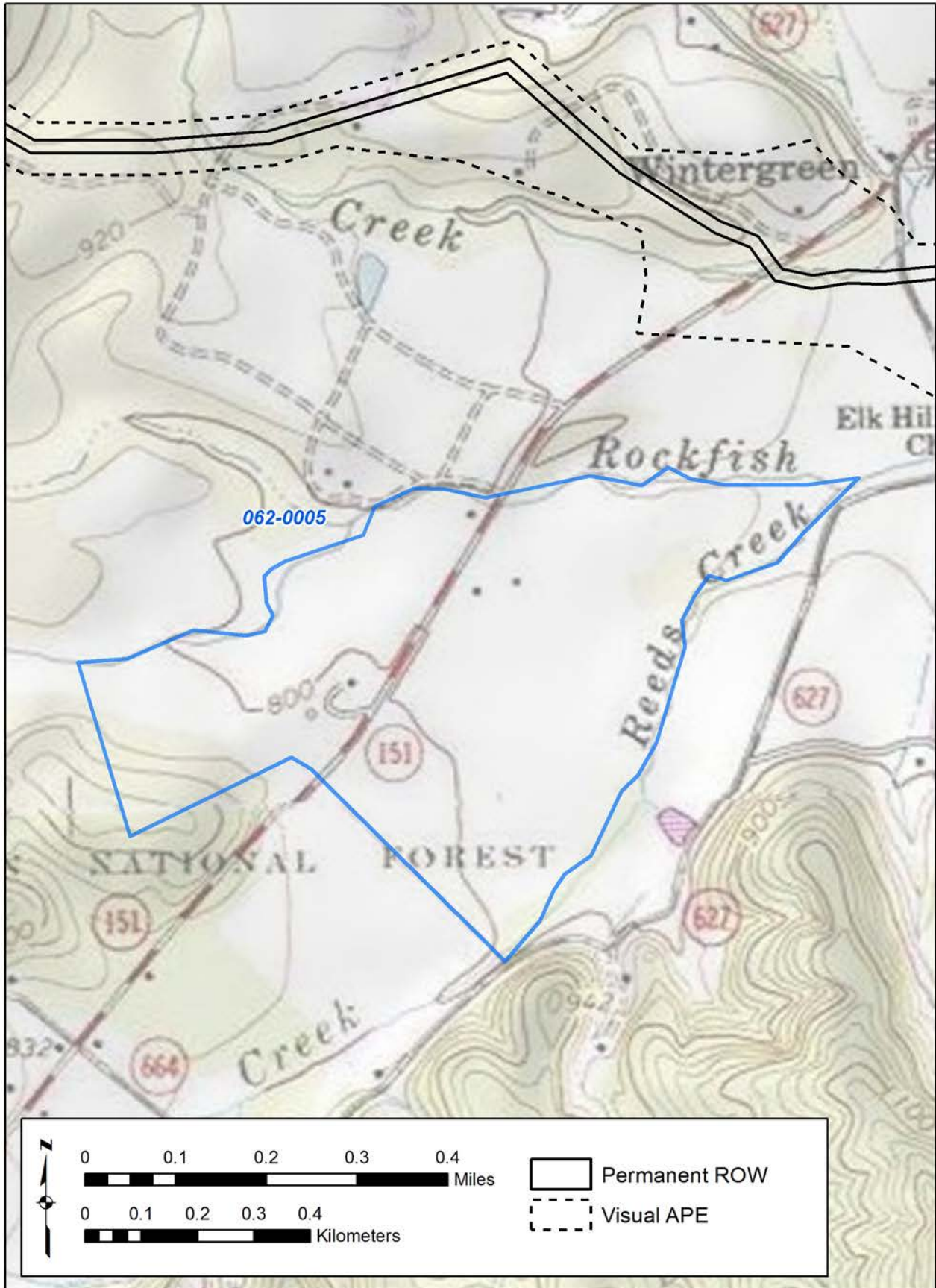


Figure 297. 062-0005 - USGS Quadrangle.

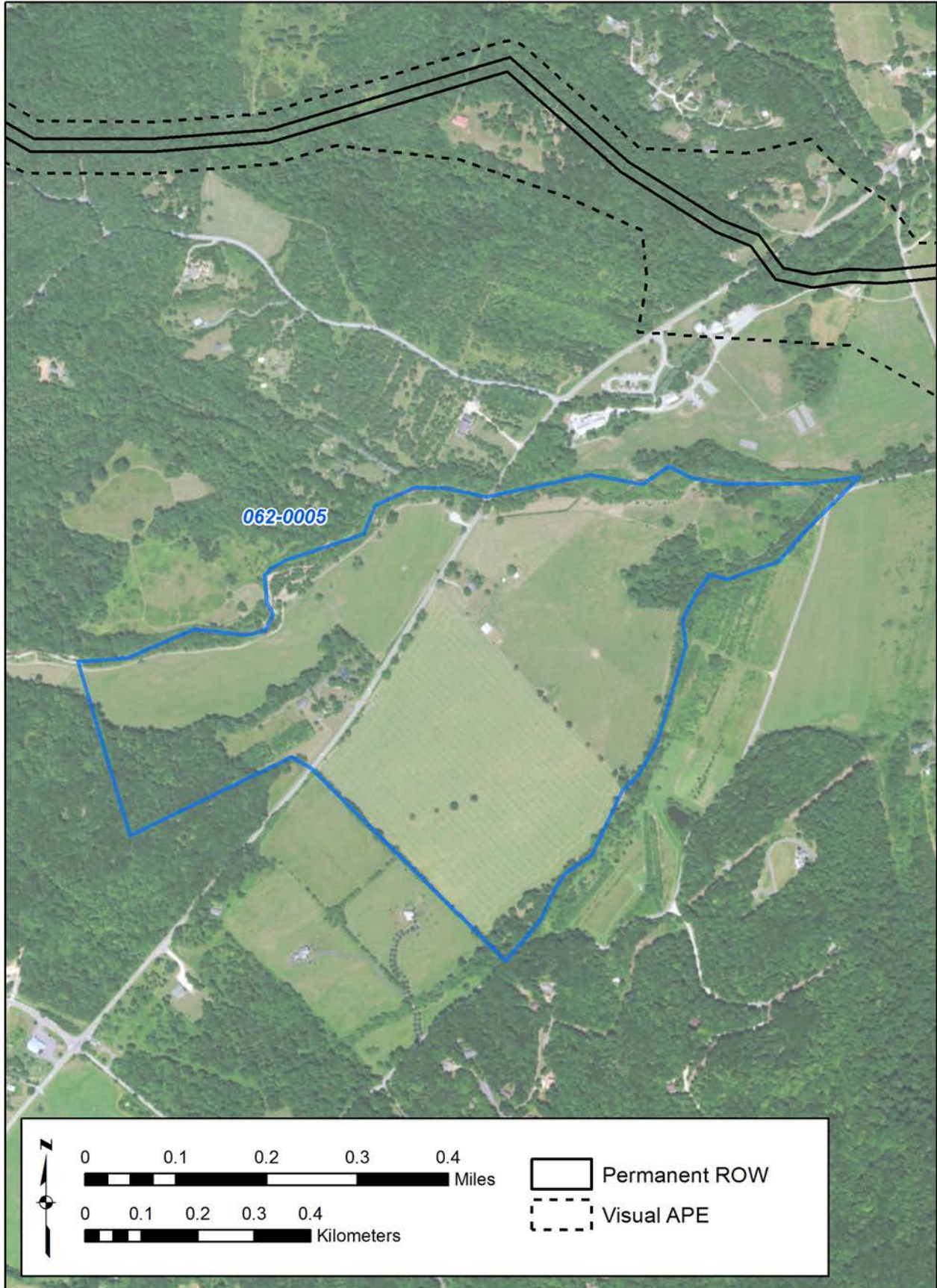


Figure 298. 062-0005 - Aerial.



Figure 299. 062-0005 - 3-D View.

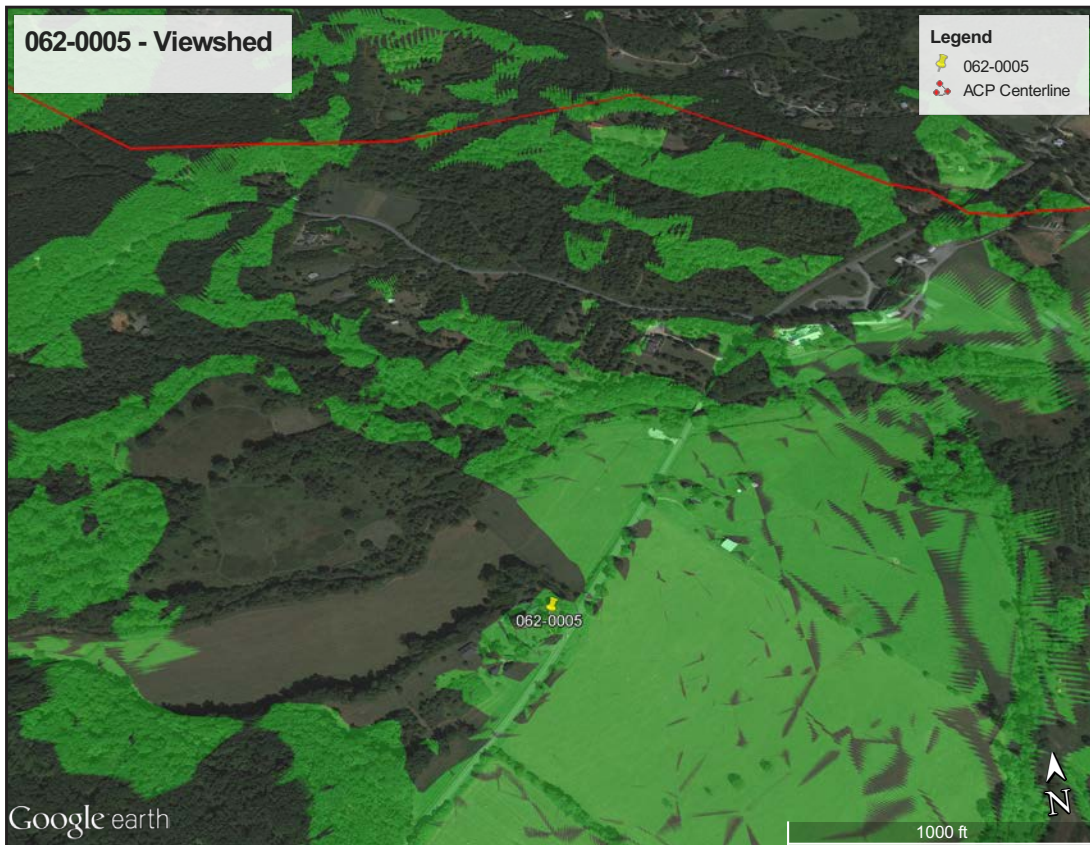


Figure 300. 062-0005 - Viewshed.

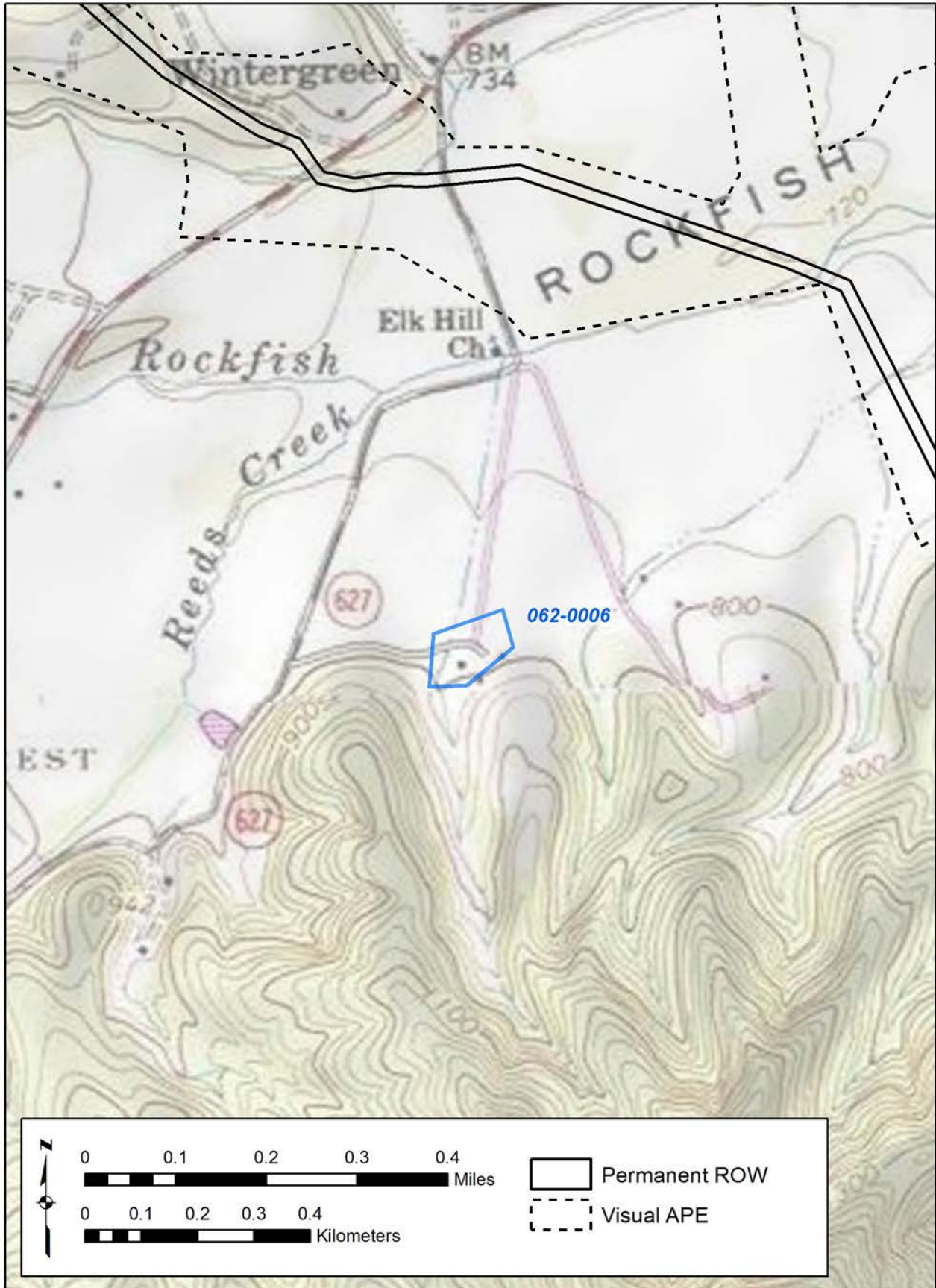


Figure 301. 062-0006 - USGS Quadrangle.

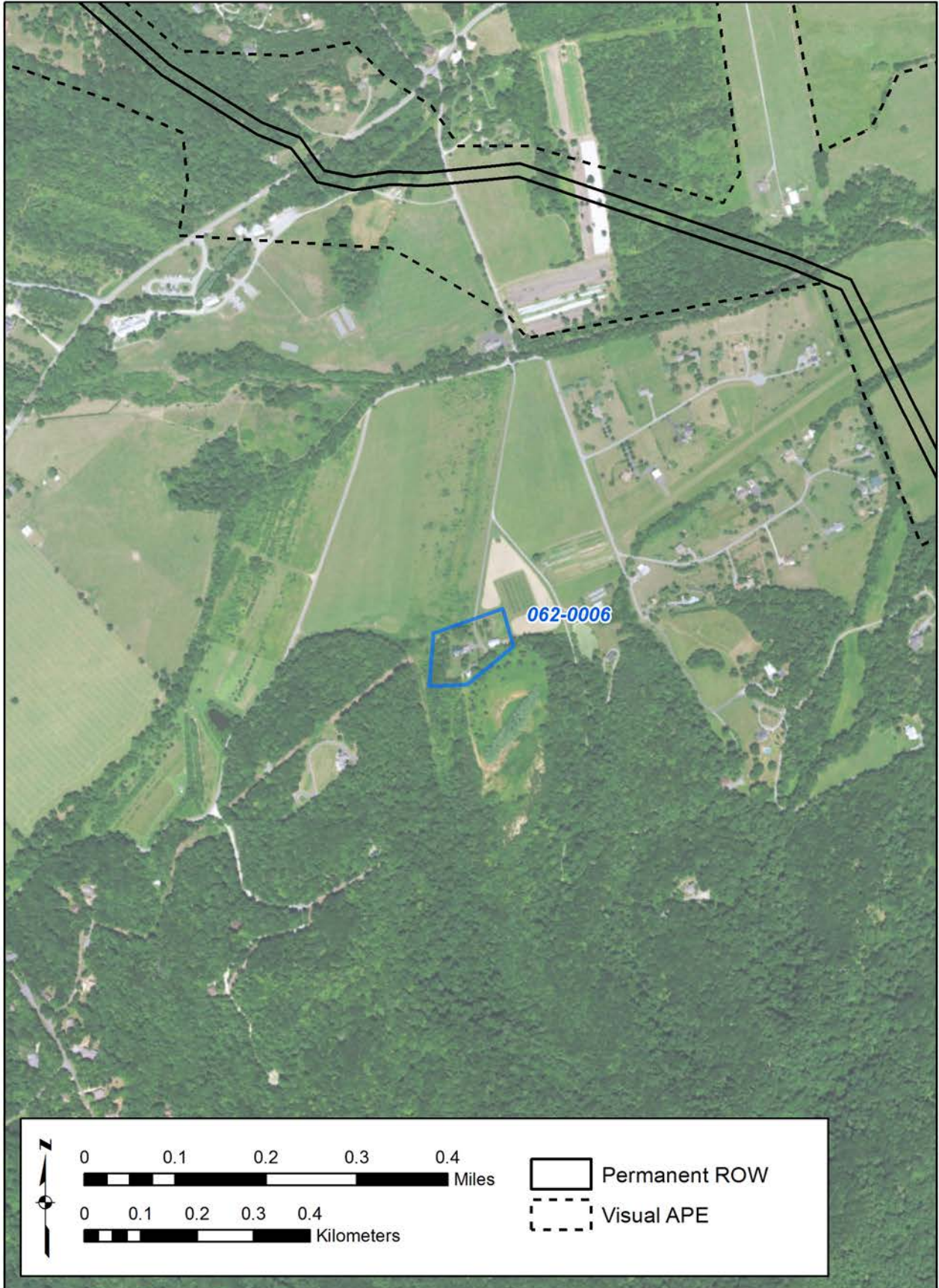


Figure 302. 062-0006 - Aerial.

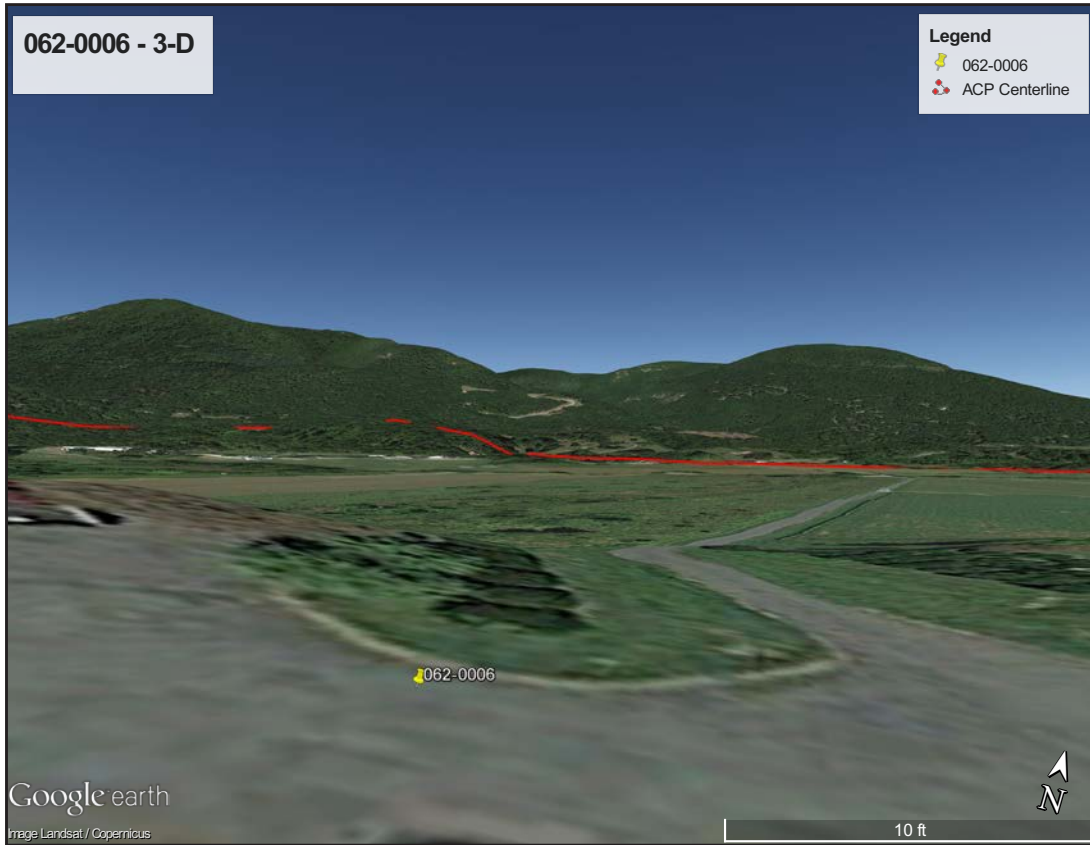


Figure 303. 062-0006 - 3-D View.

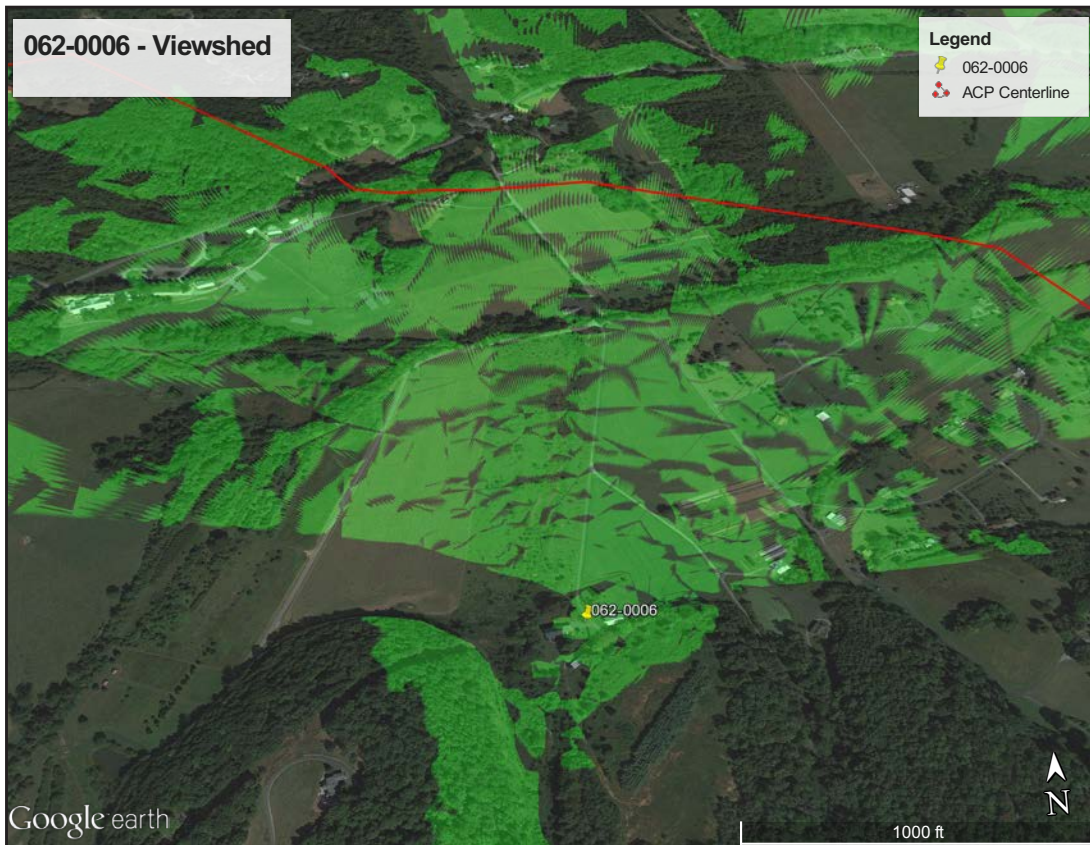


Figure 304. 062-0006 - Viewshed.

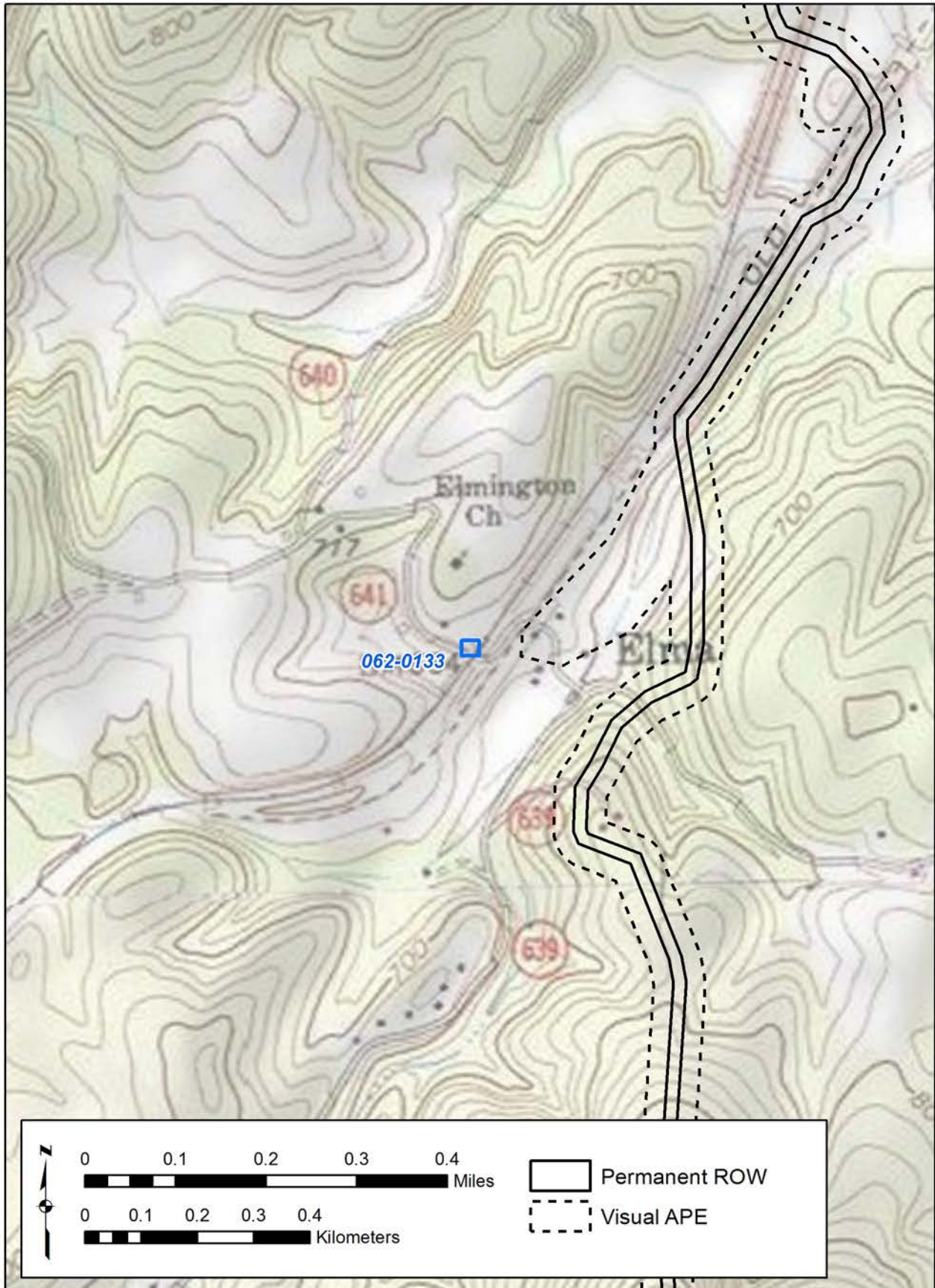


Figure 305. 062-0133 - USGS Quadrangle.



Figure 306. 062-0133 - Aerial.



Figure 307. 062-0133 - 3-D View.

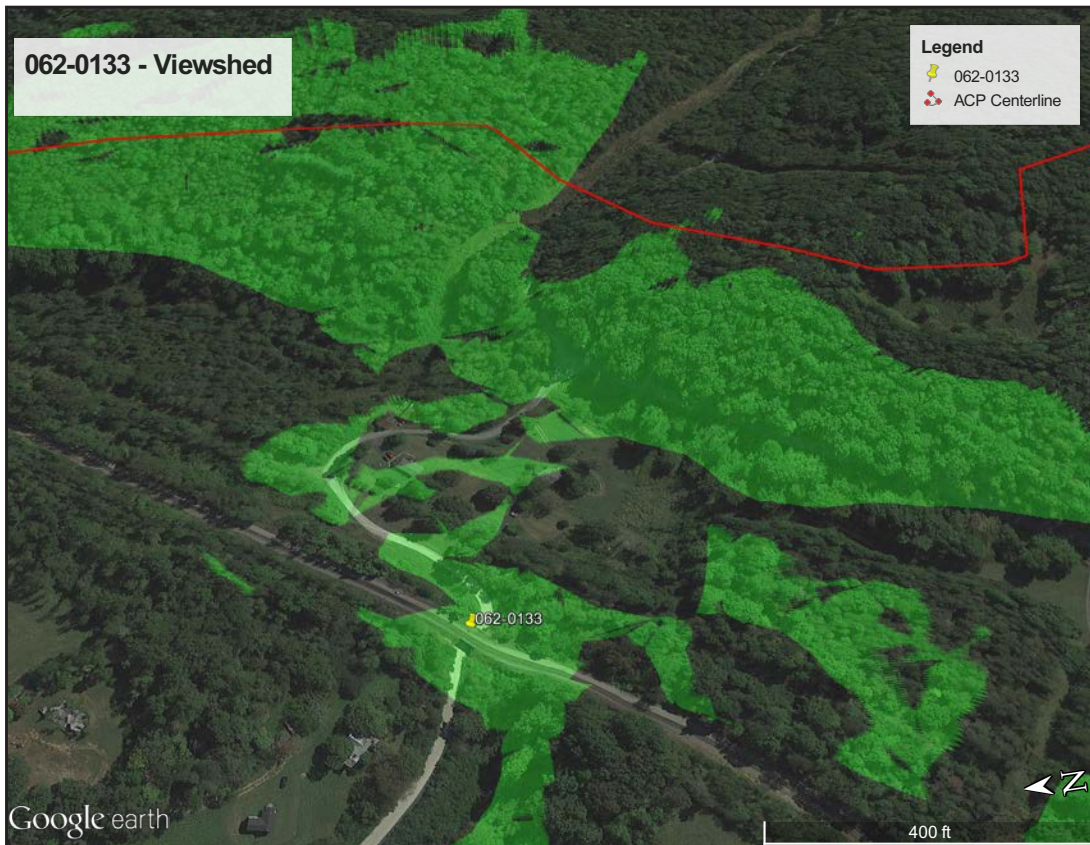


Figure 308. 062-0133 - Viewshed.

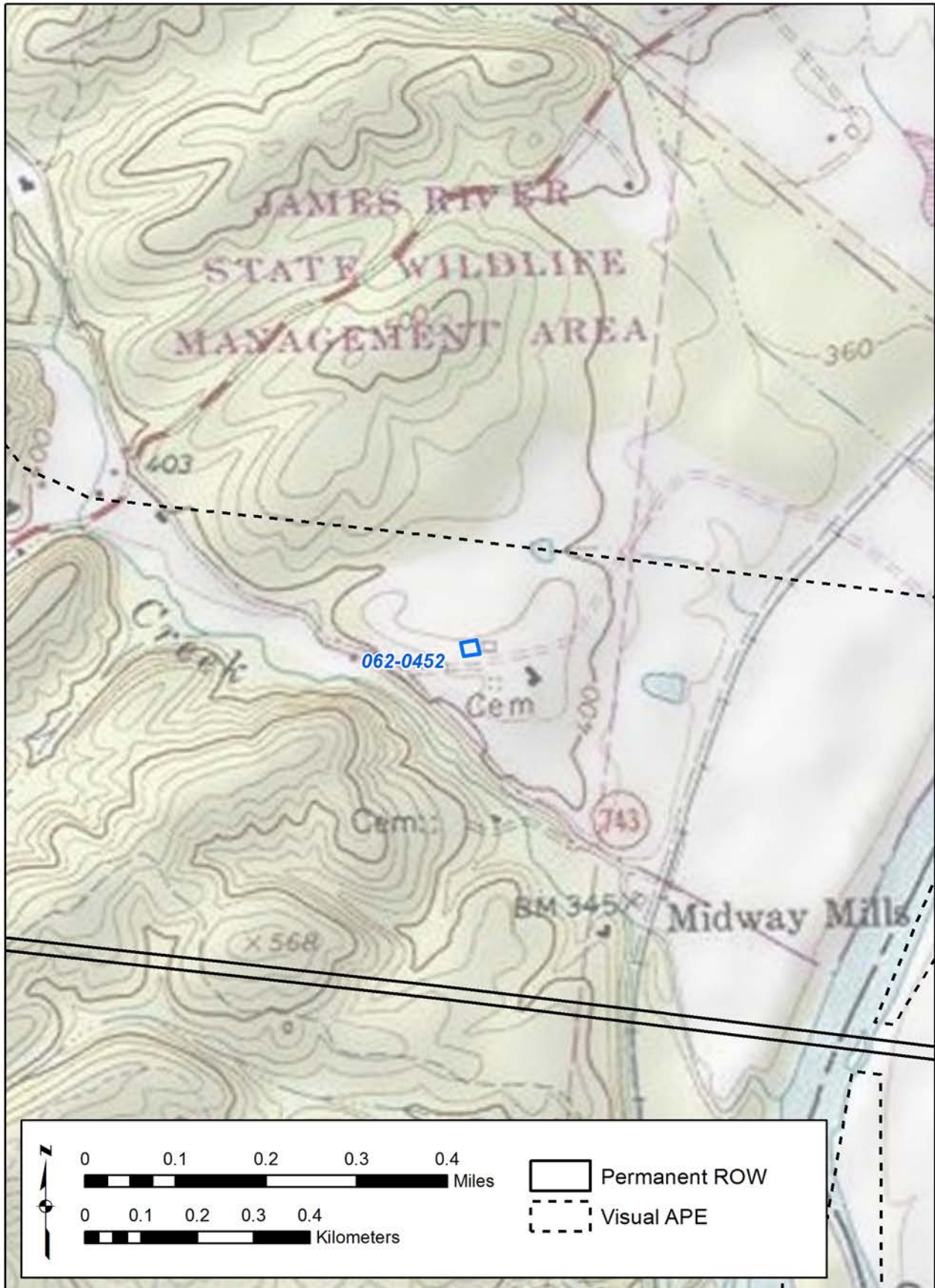


Figure 309. 062-0452 - USGS Quadrangle.



Figure 310. 062-0452 - Aerial.

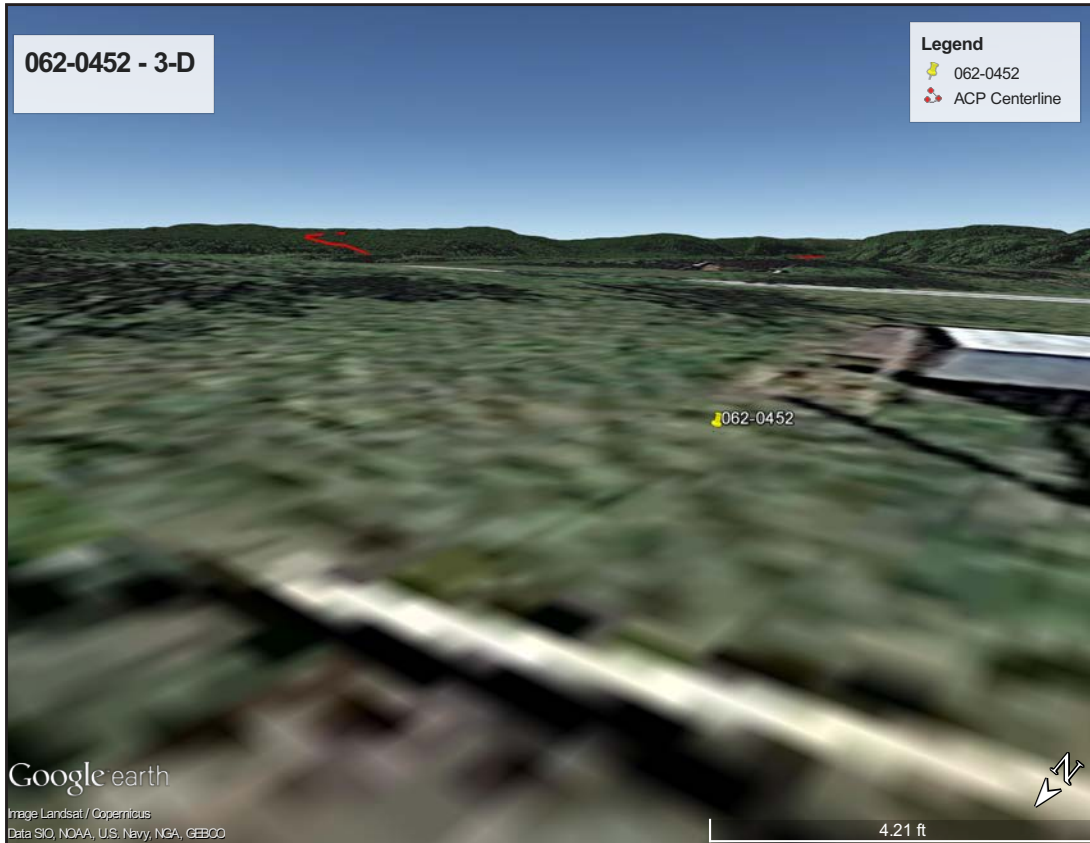


Figure 311. 062-0452 - 3-D View.

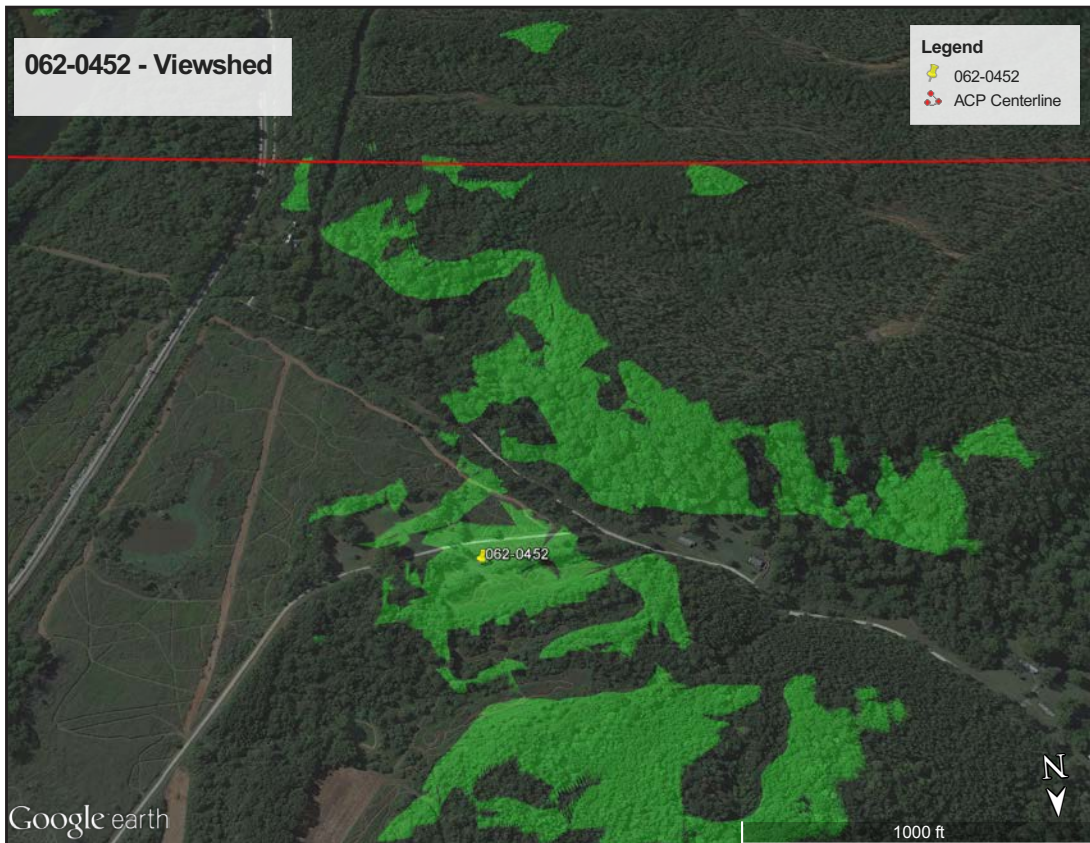


Figure 312. 062-0452 - Viewshed.



Figure 313. 062-5041 - USGS Quadrangle.



Figure 314. 062-5041- Aerial.

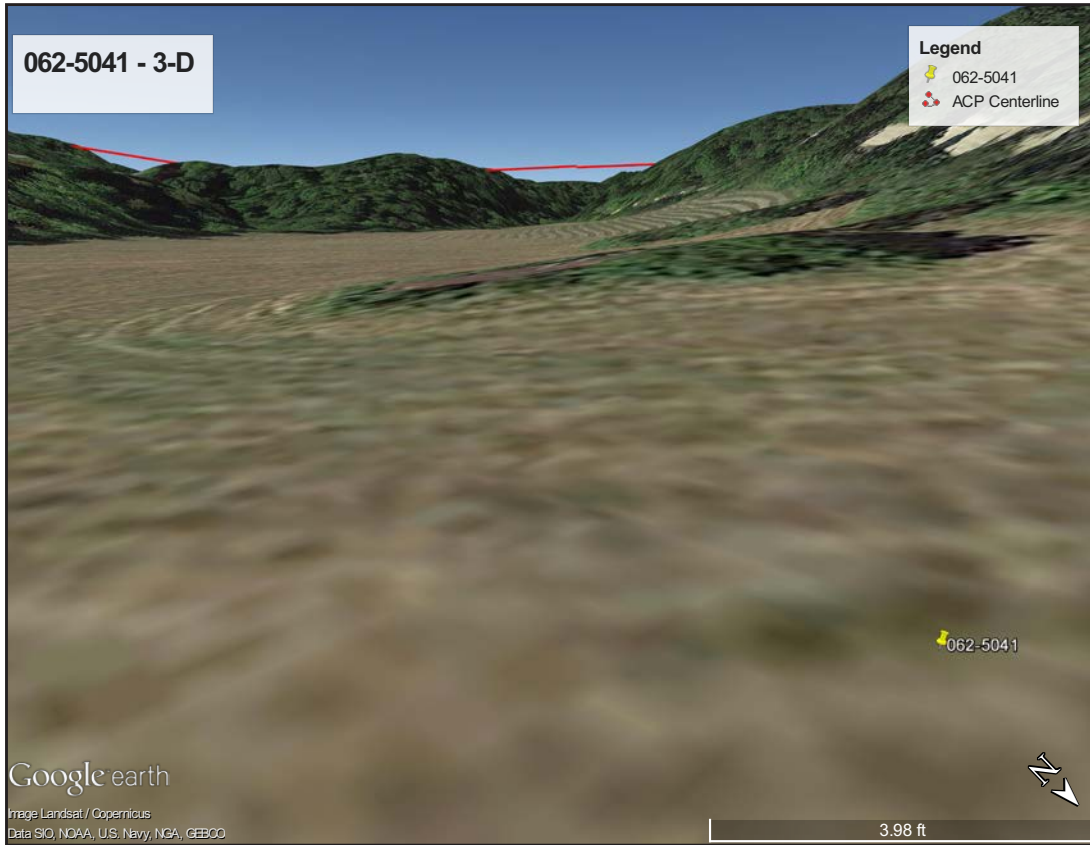


Figure 315. 062-5041 - 3-D View.

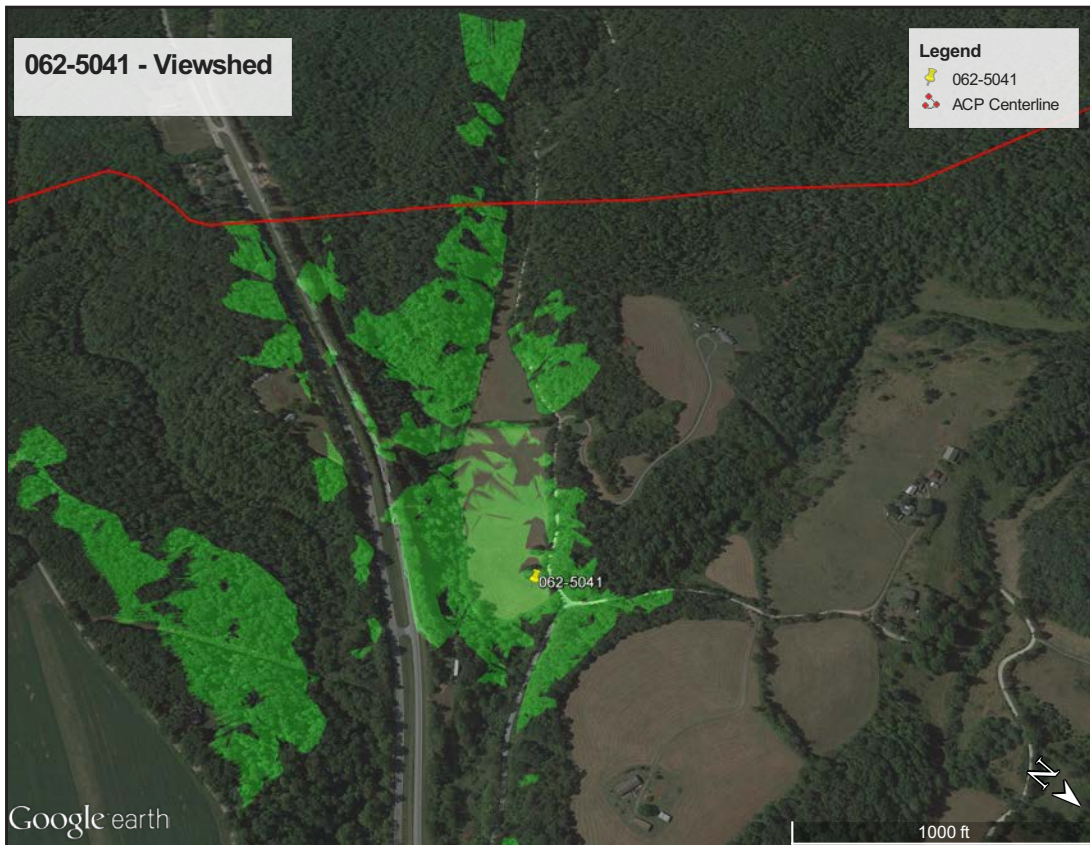


Figure 316. 062-5041 - Viewshed.

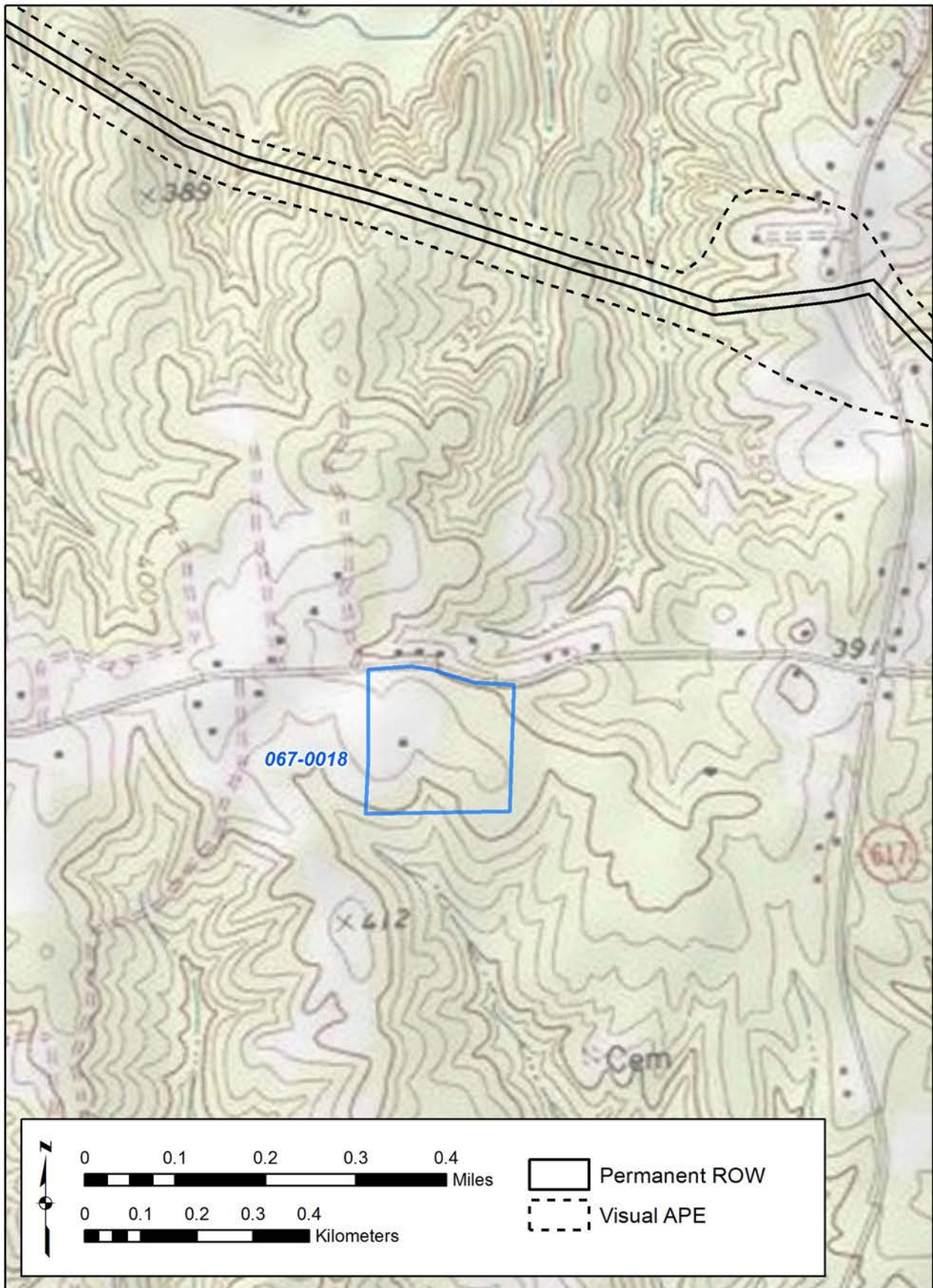


Figure 317. 067-0018 - USGS Quadrangle.

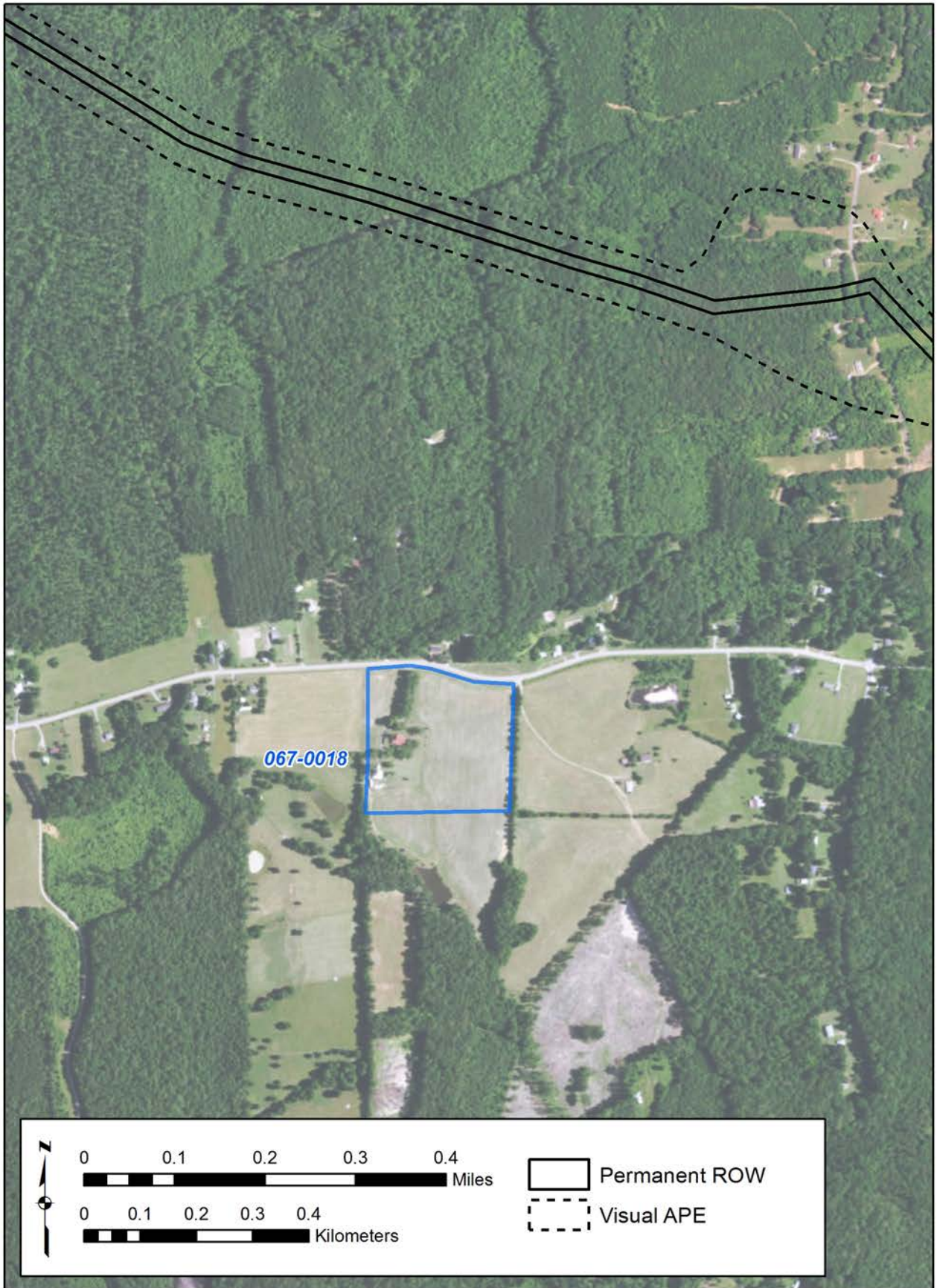


Figure 318. 067-0018 - Aerial.

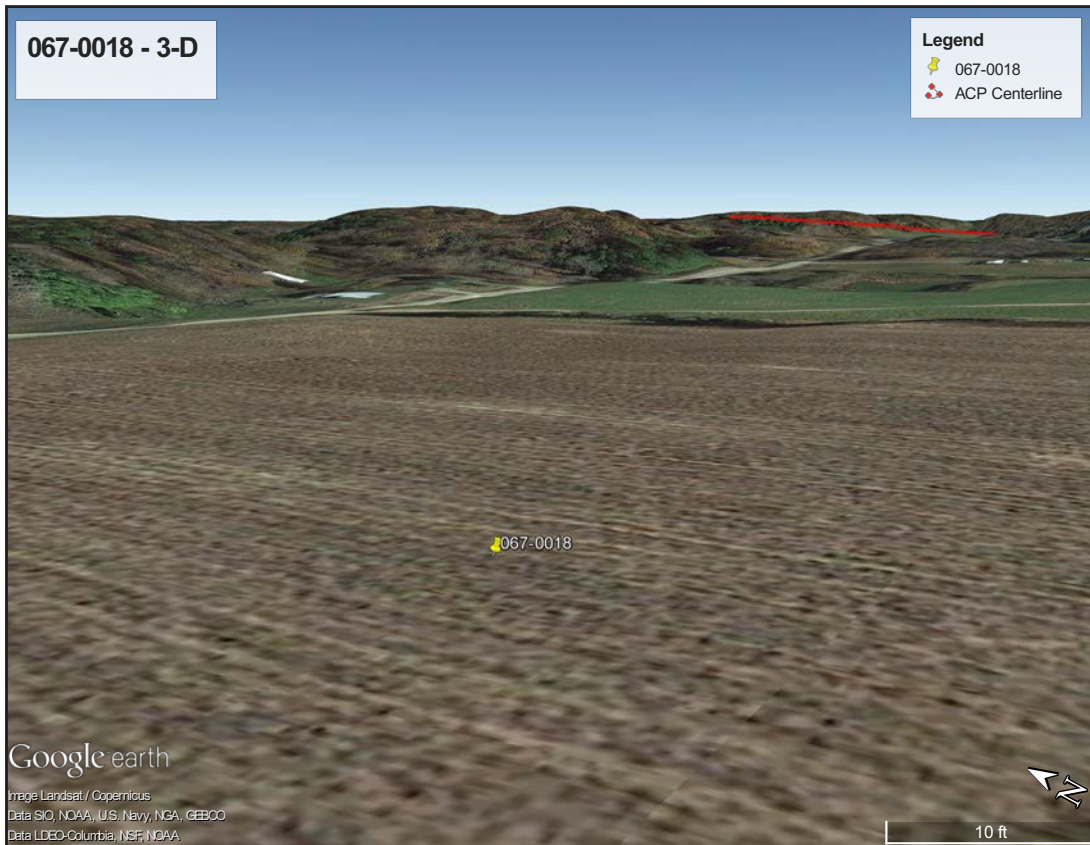


Figure 319. 067-0018 - 3-D View.

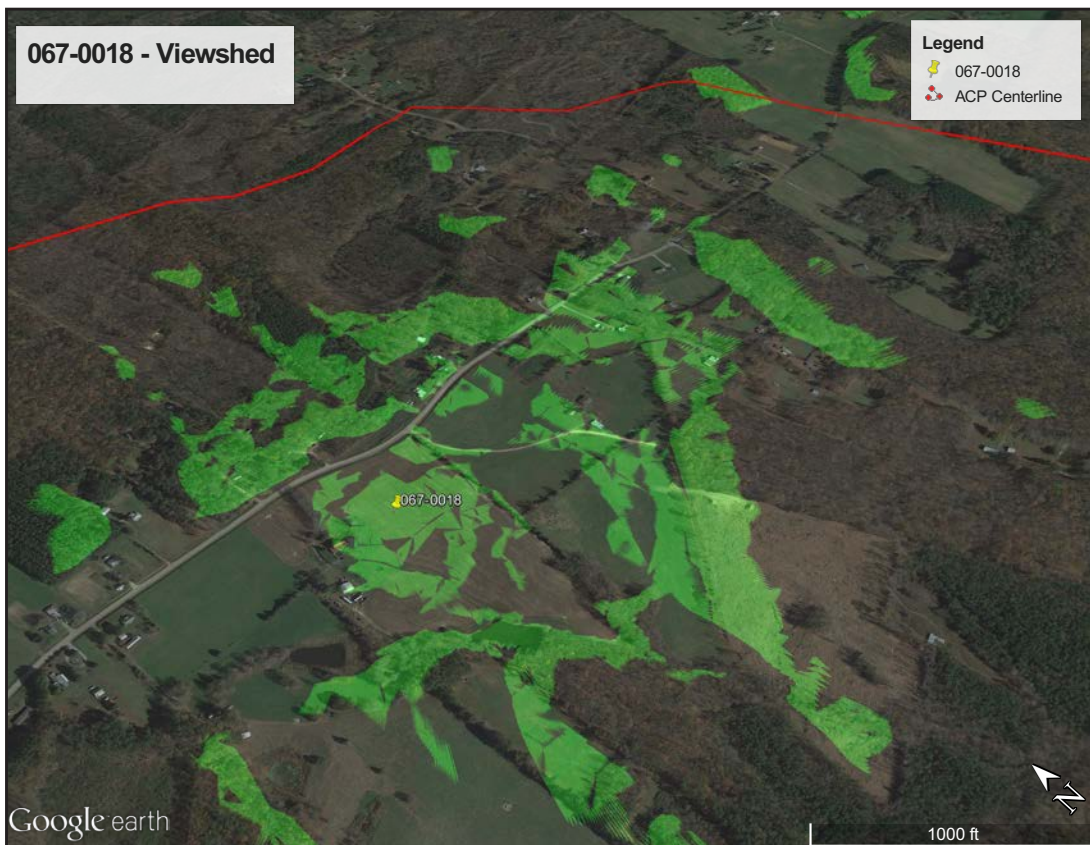


Figure 320. 067-0018 - Viewshed.

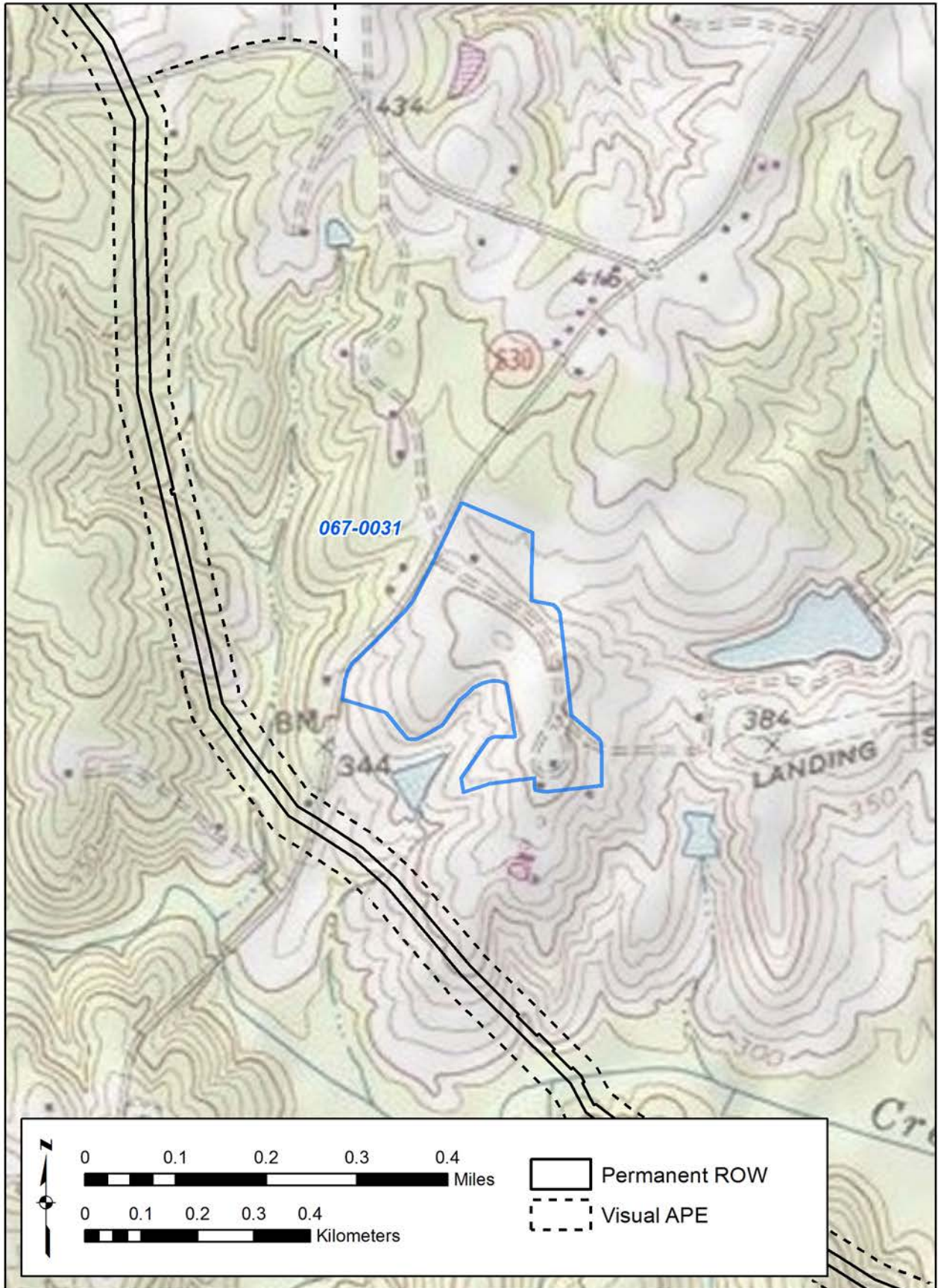


Figure 321. 067-0031 - USGS Quadrangle.

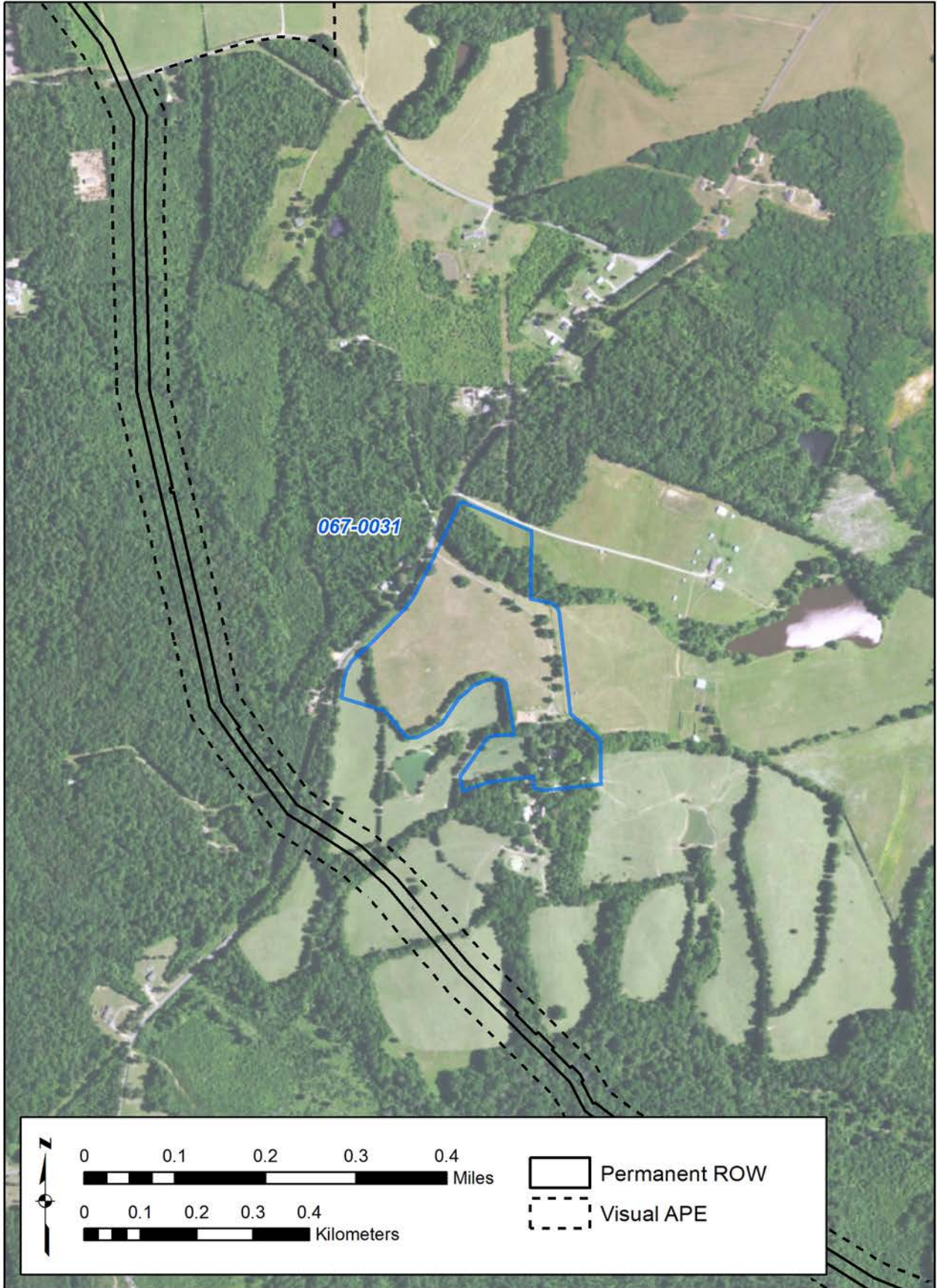


Figure 322. 067-0031 - Aerial.

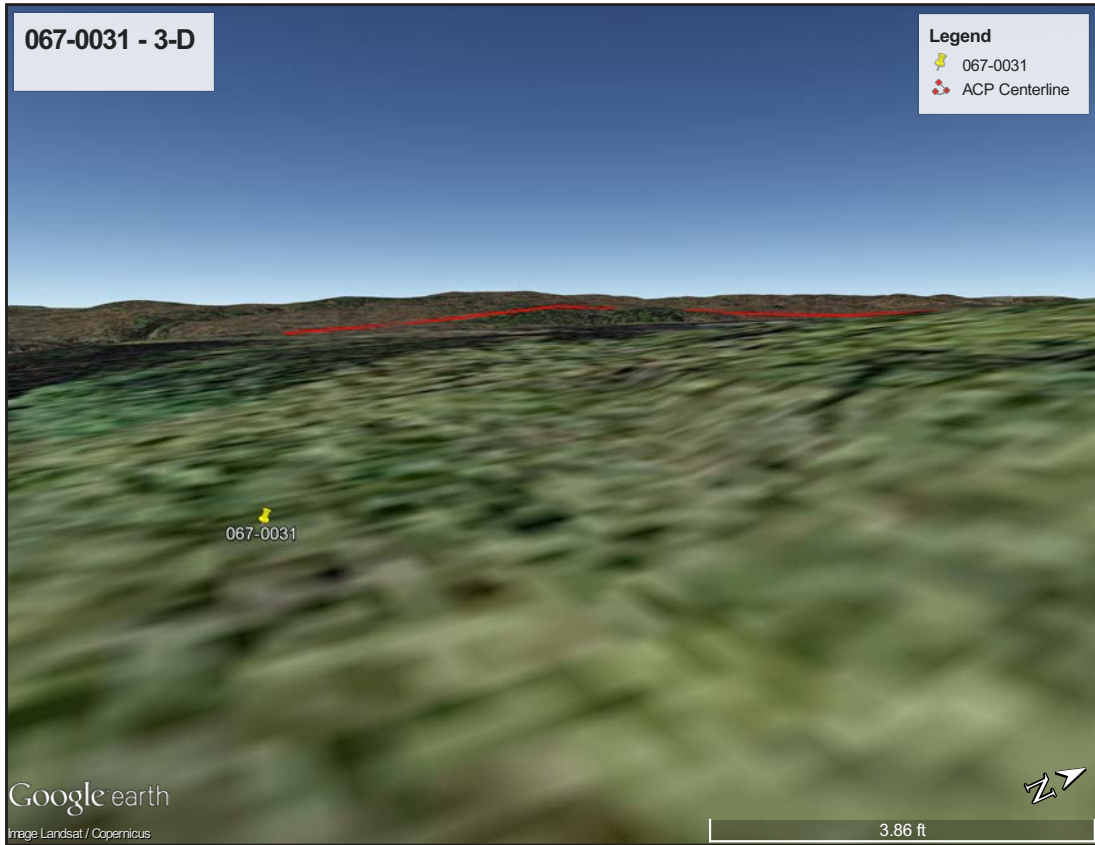


Figure 323. 067-0031 - 3-D View.

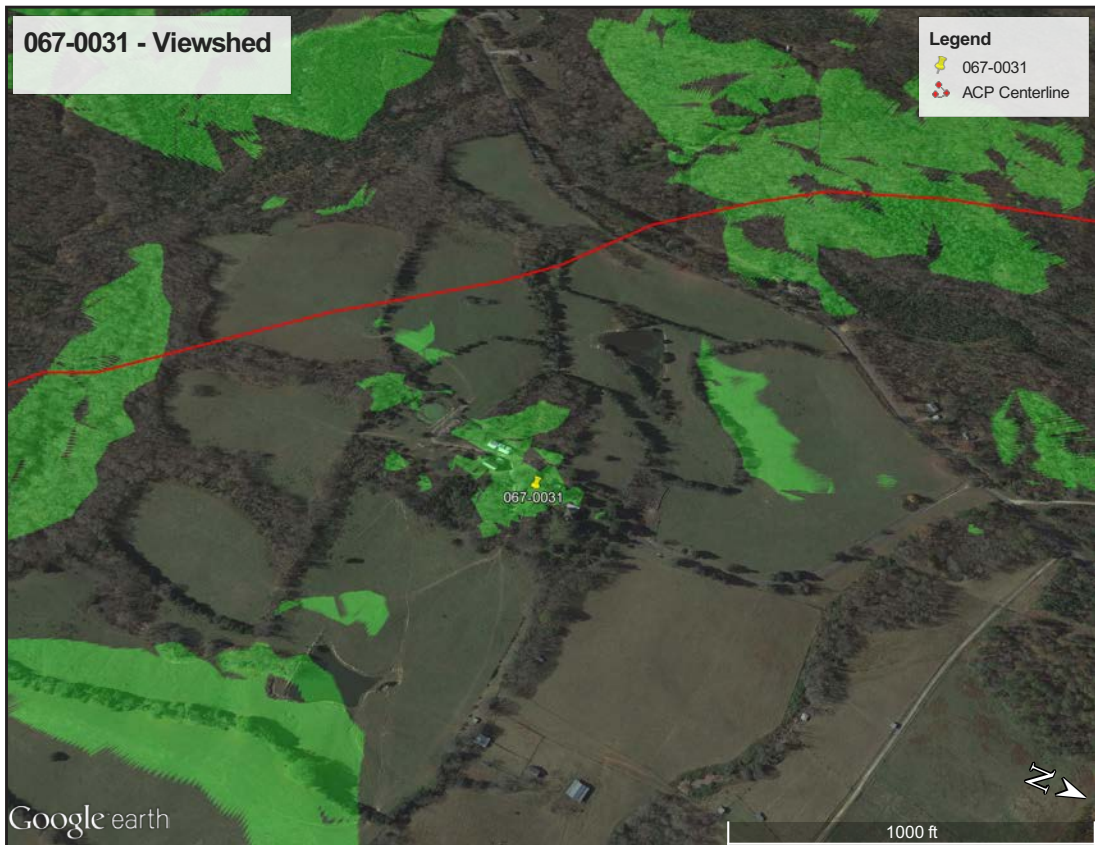


Figure 324. 067-0031 - Viewshed.

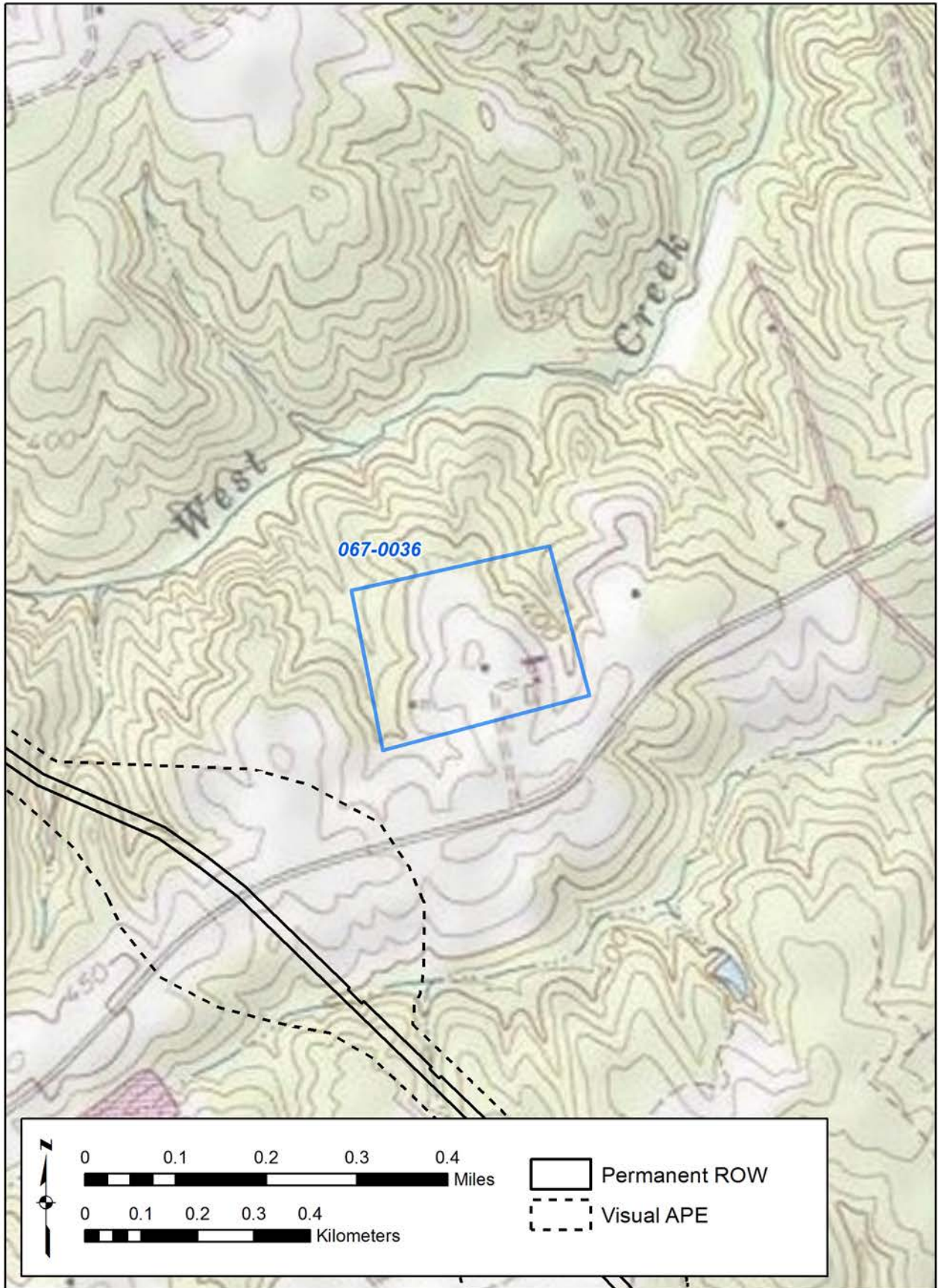


Figure 325. 067-0036 - USGS Quadrangle.



Figure 326. 067-0036 - Aerial.



Figure 327. 067-0036 - 3-D View.

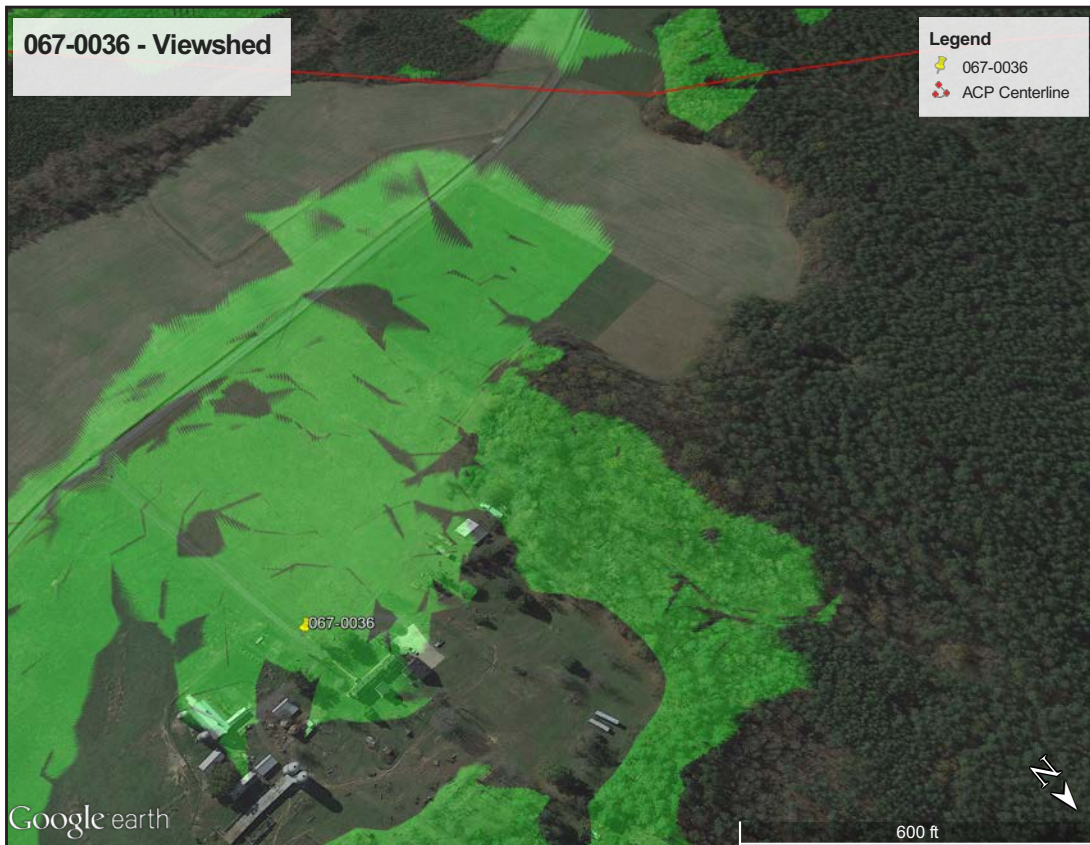


Figure 328. 067-0036 - Viewshed.

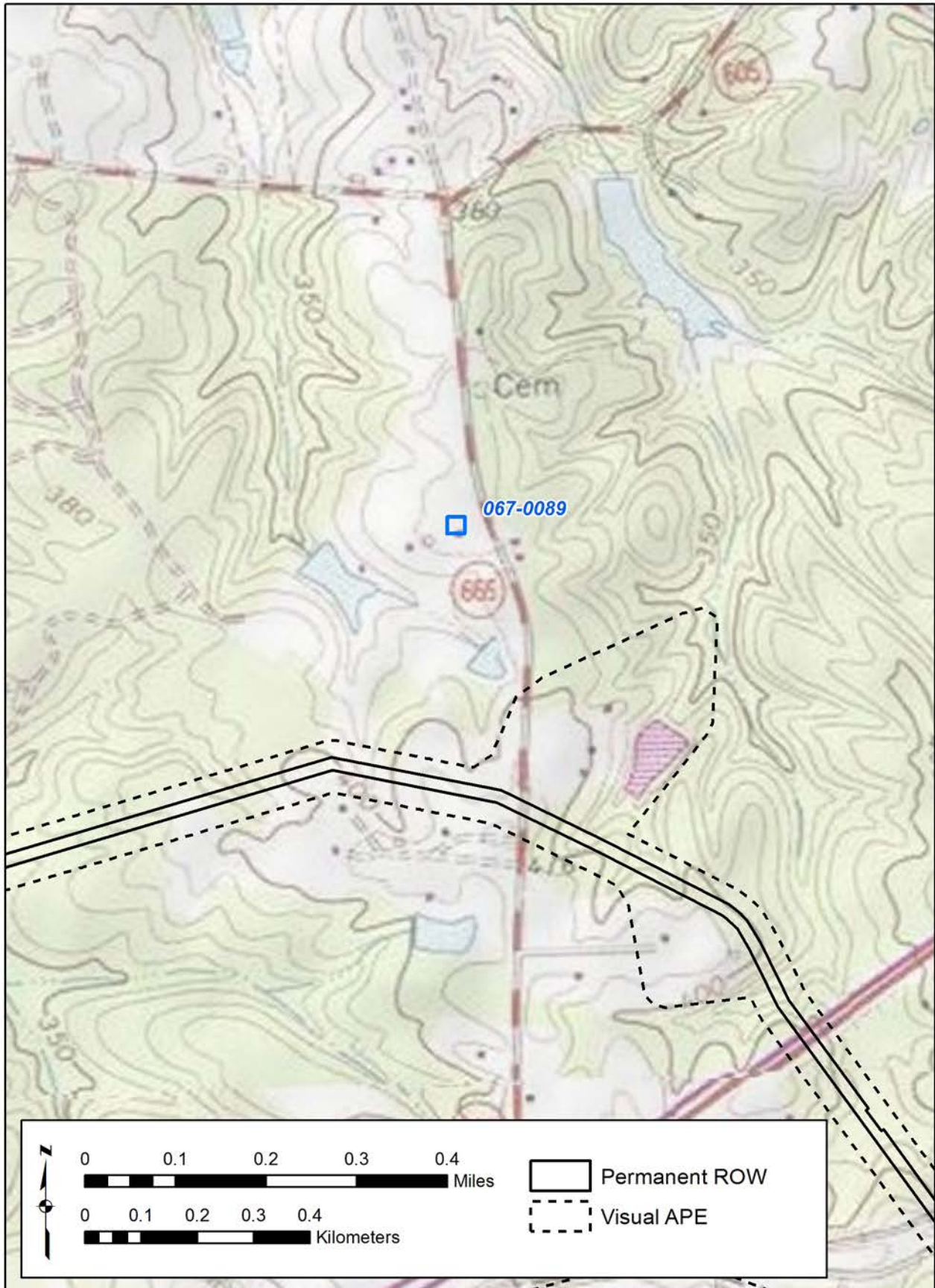


Figure 329. 067-0089 - USGS Quadrangle.



Figure 330. 067-0089 - Aerial.



Figure 331. 067-0089 - 3-D View.

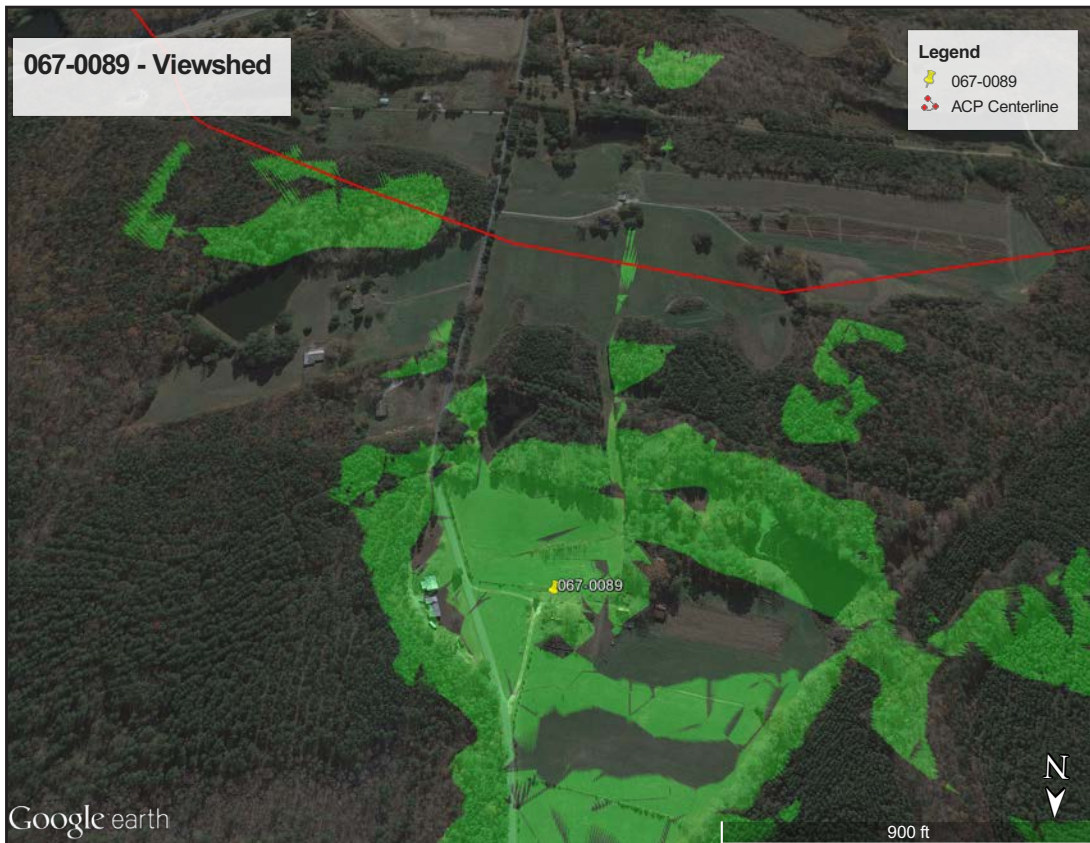


Figure 332. 067-0089 - Viewshed.

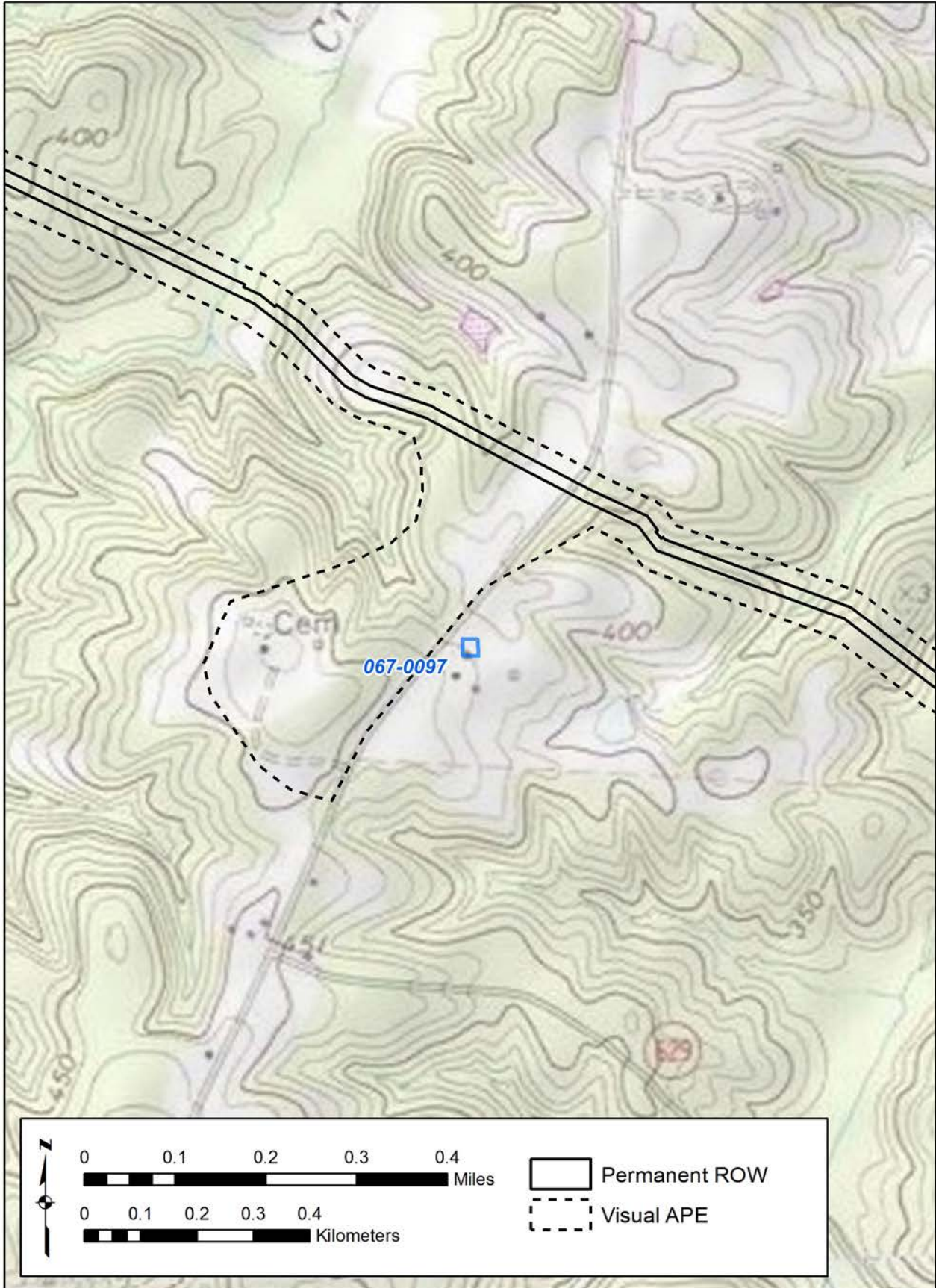


Figure 333. 067-0097 - USGS Quadrangle.



Figure 334. 067-0097 - Aerial.

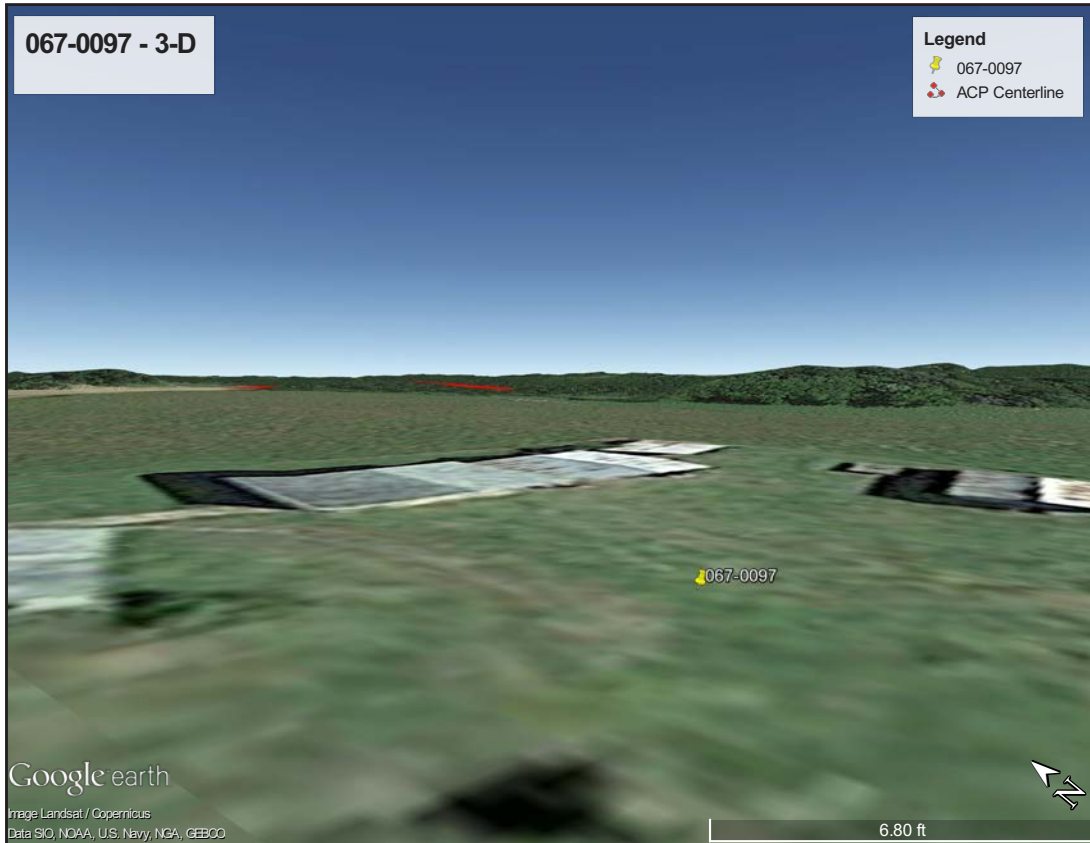


Figure 335. 067-0097 - 3-D View.

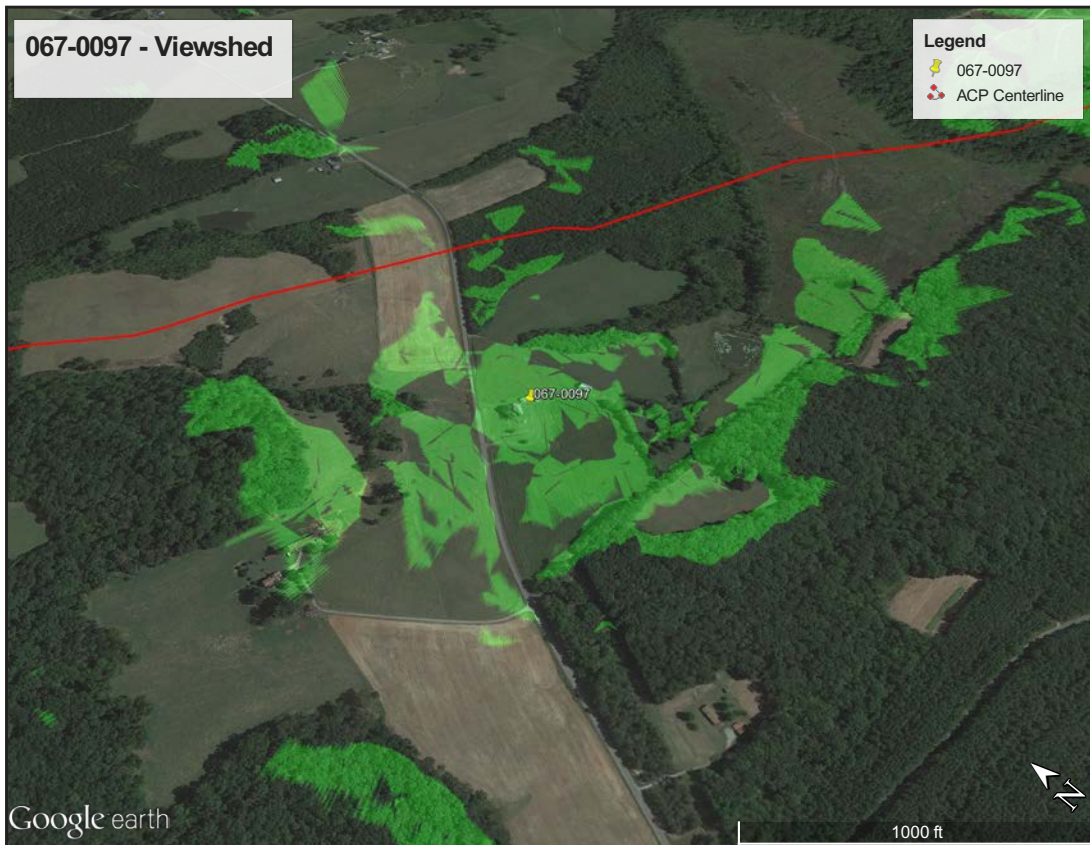


Figure 336. 067-0097 - Viewshed.

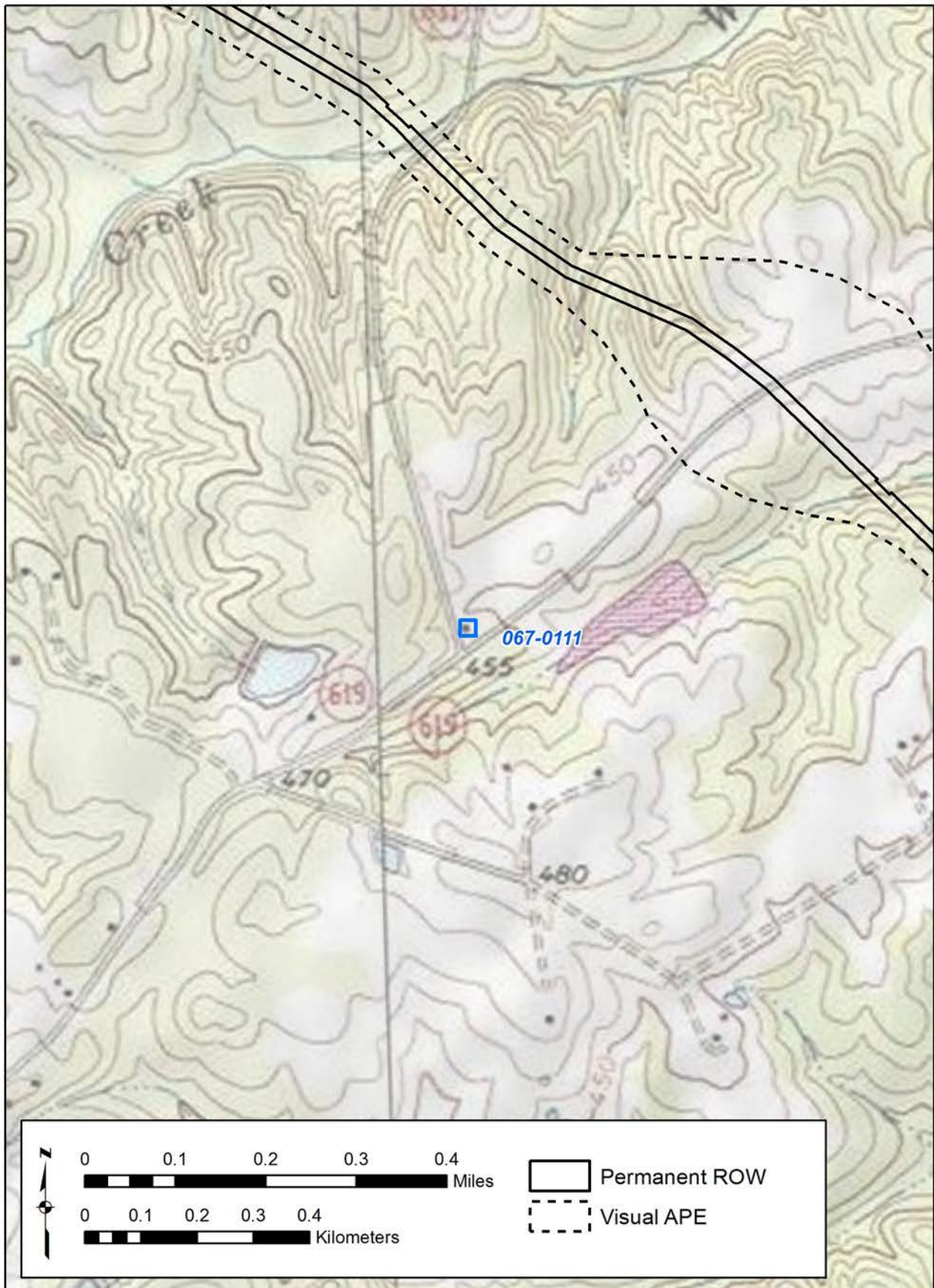


Figure 337. 067-0111 - USGS Quadrangle.

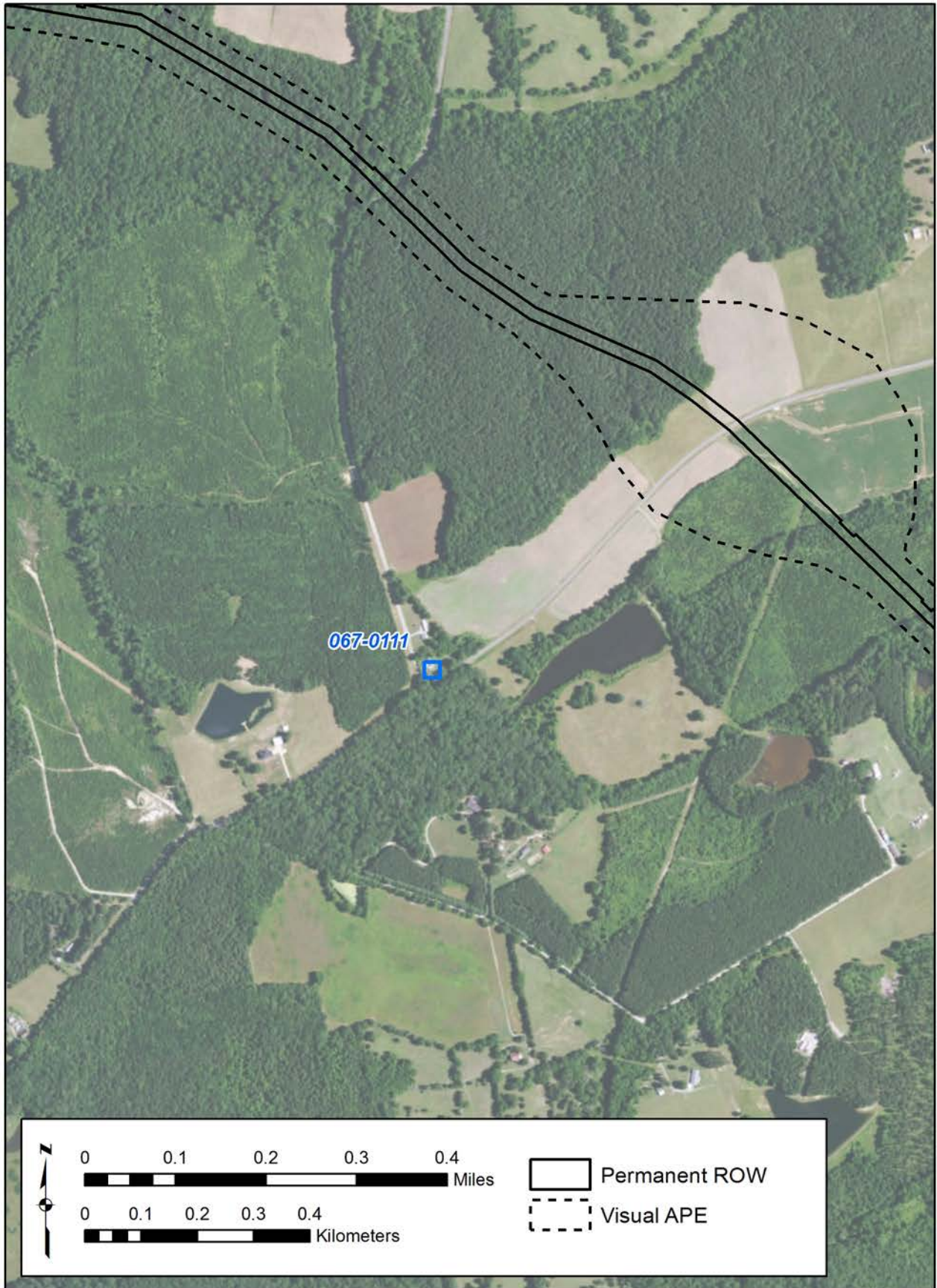


Figure 338. 067-0111 - Aerial.

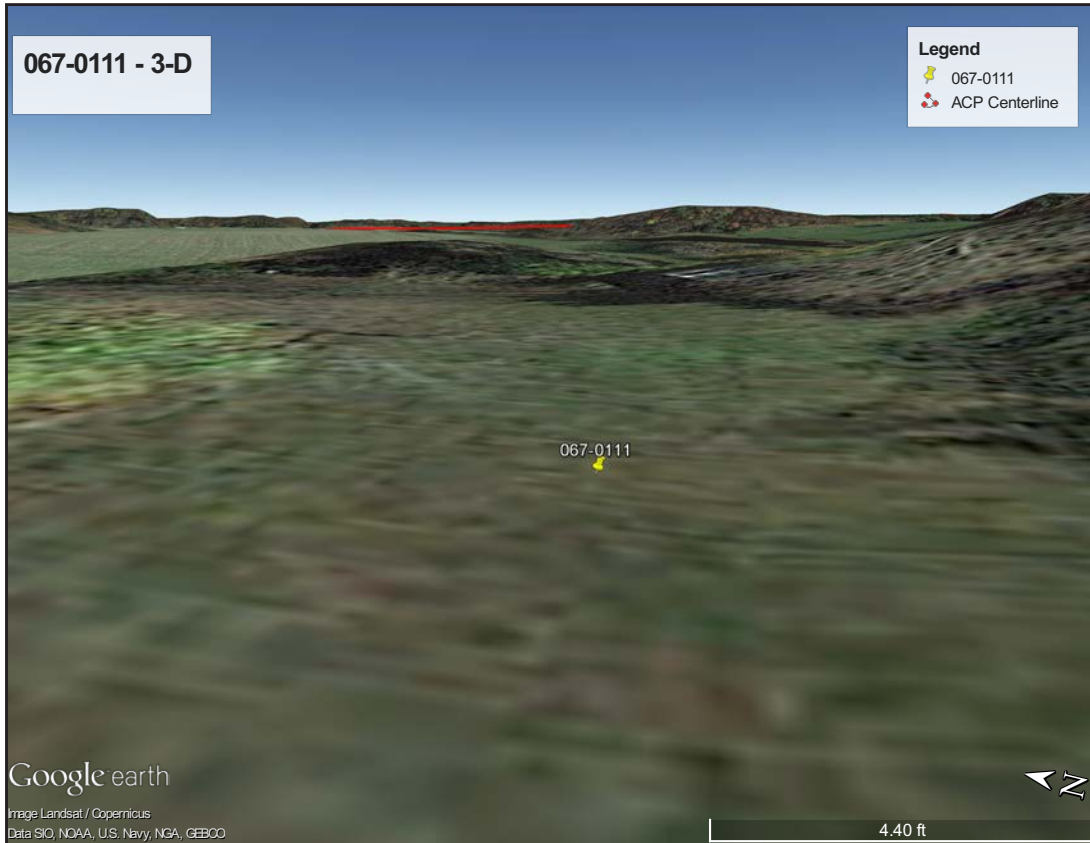


Figure 339. 067-0111 - 3-D View.

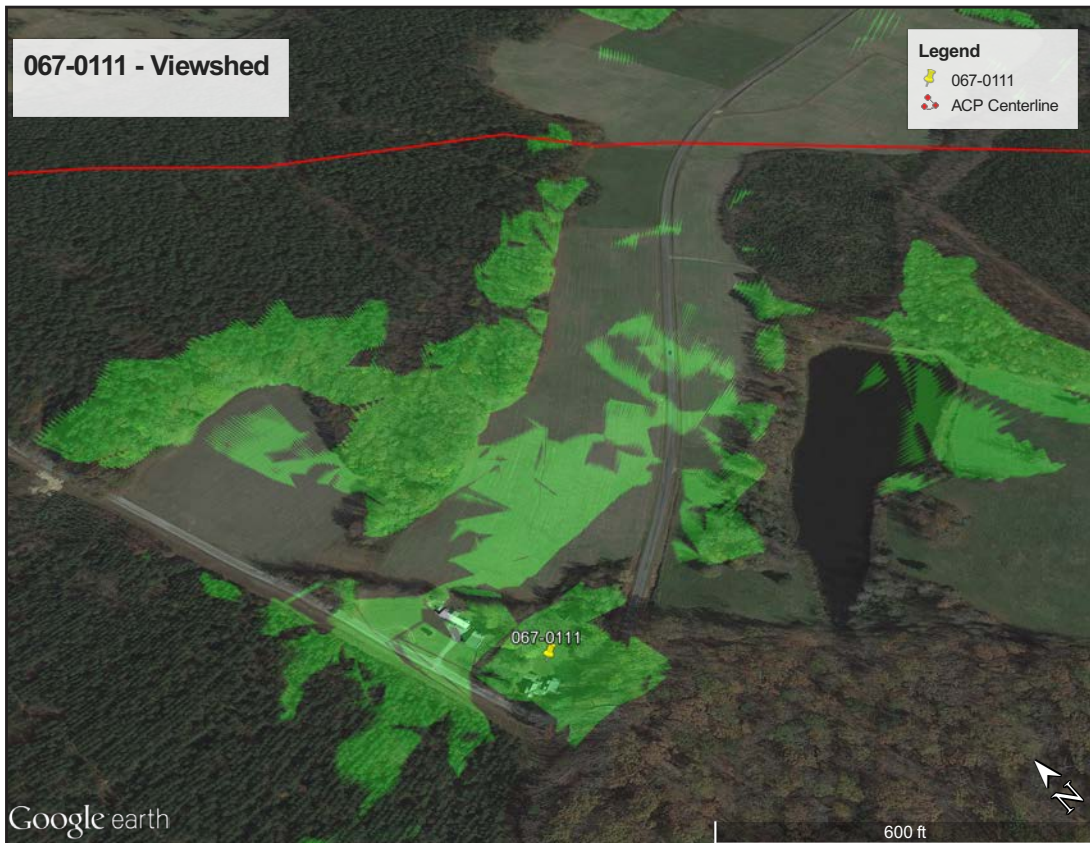


Figure 340. 067-0111 - Viewshed.

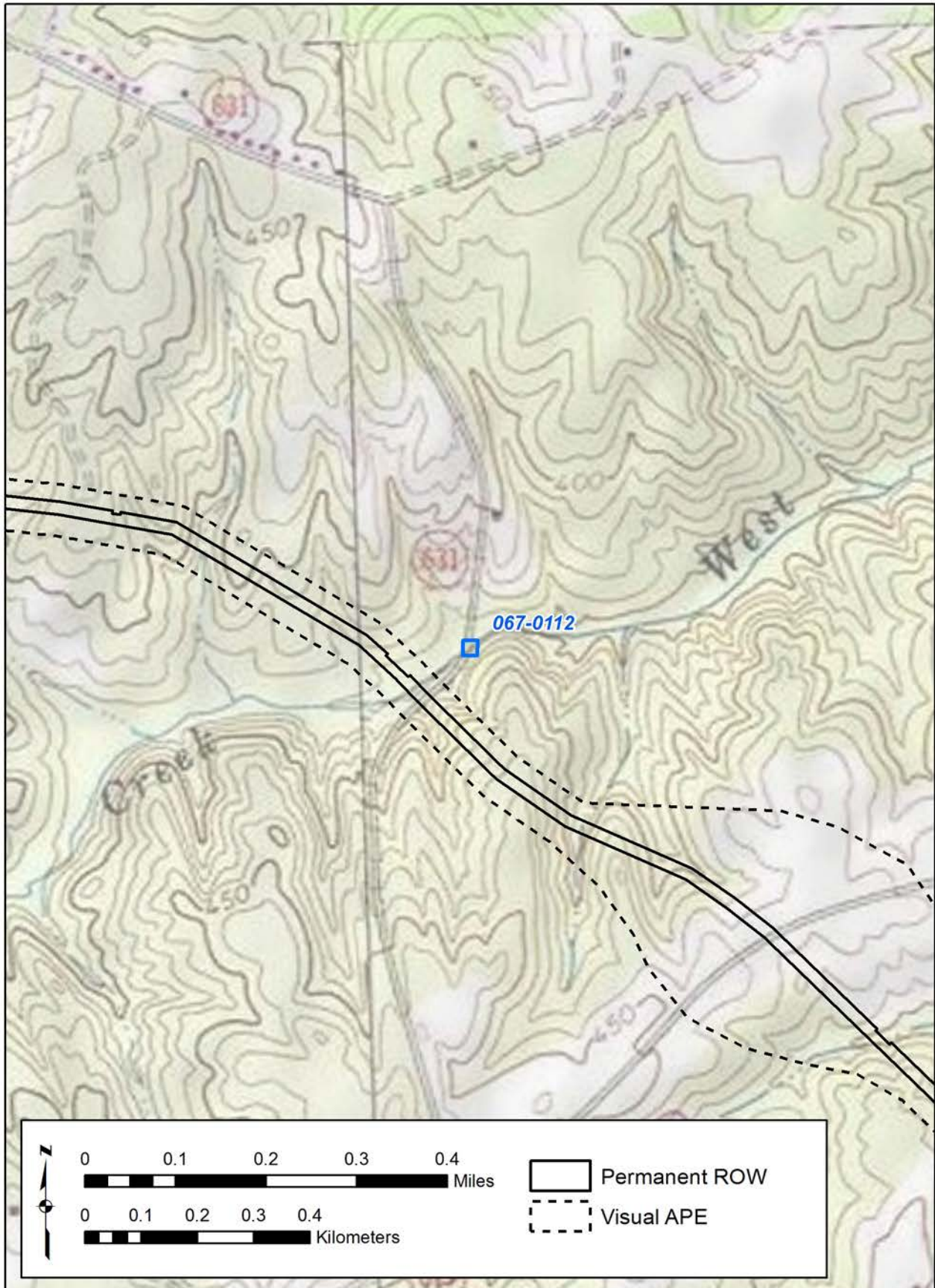


Figure 341. 067-0112 - USGS Quadrangle.



Figure 342. 067-0112 - Aerial.

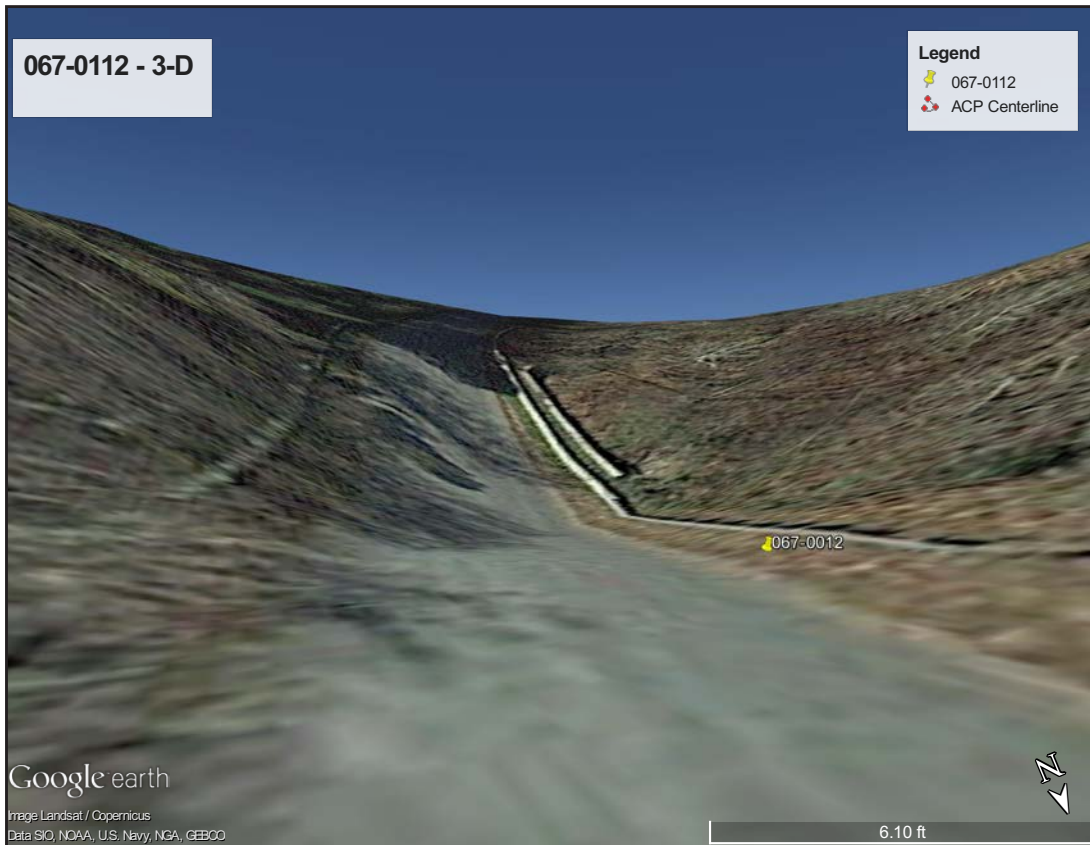


Figure 343. 067-0112 - 3-D View.

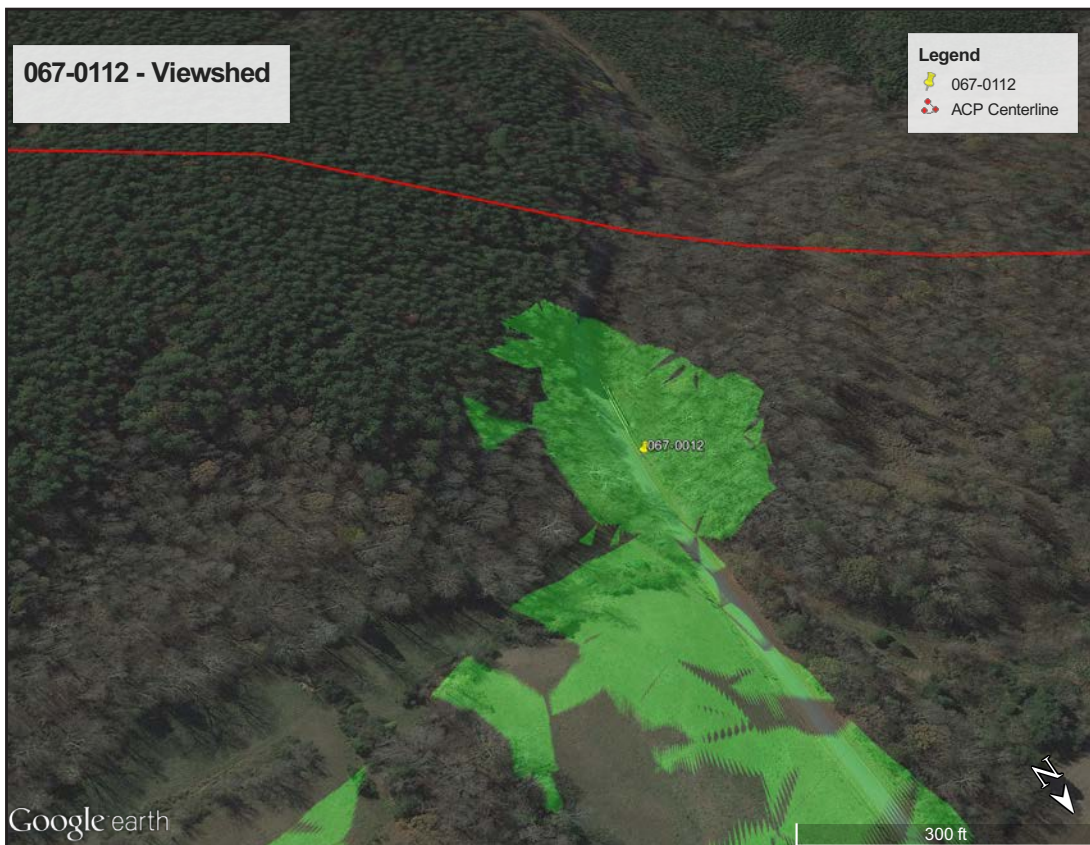


Figure 344. 067-0112 - Viewshed.

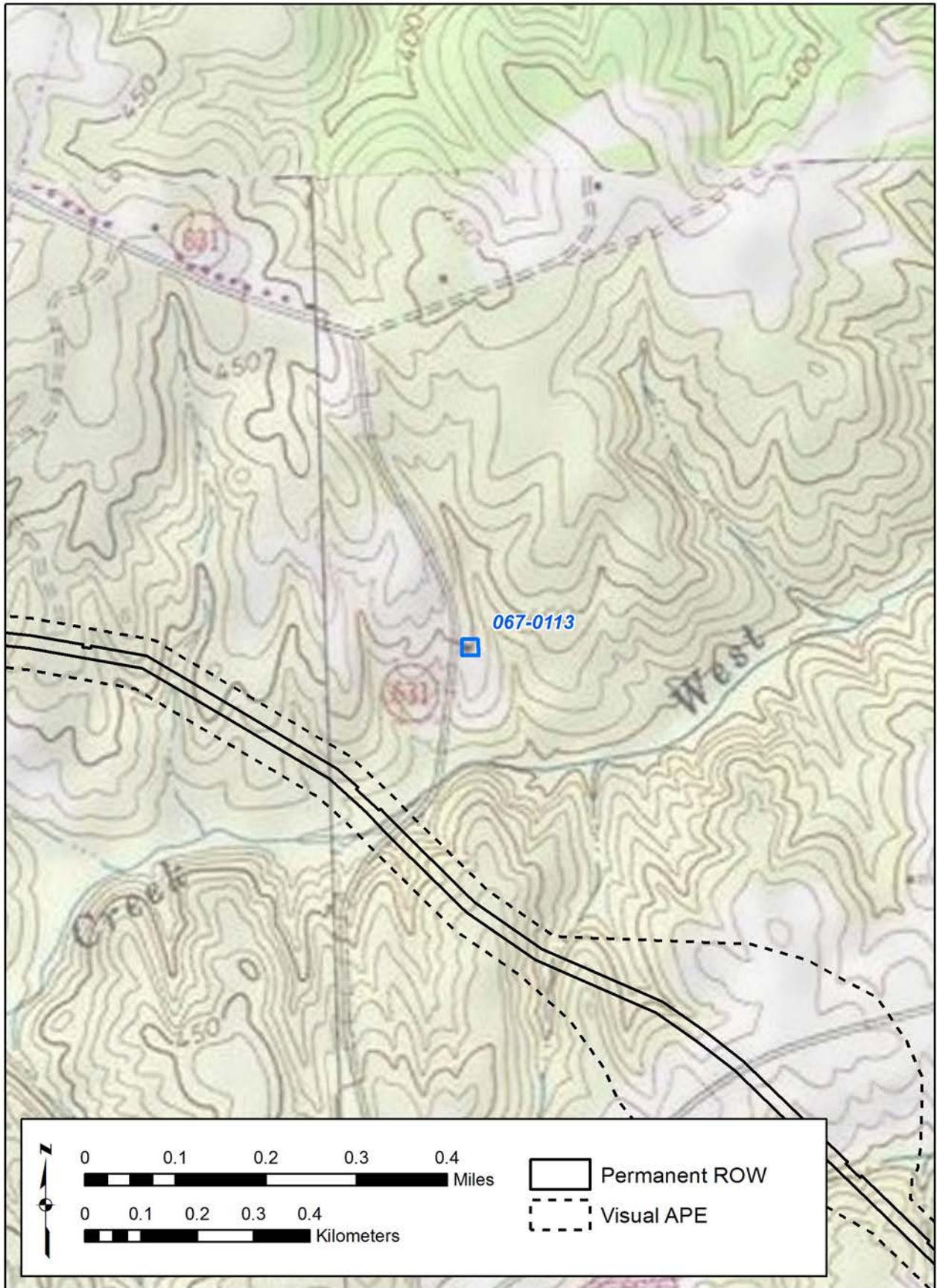


Figure 345. 067-0113 - USGS Quadrangle.



Figure 346. 067-0113 - Aerial.

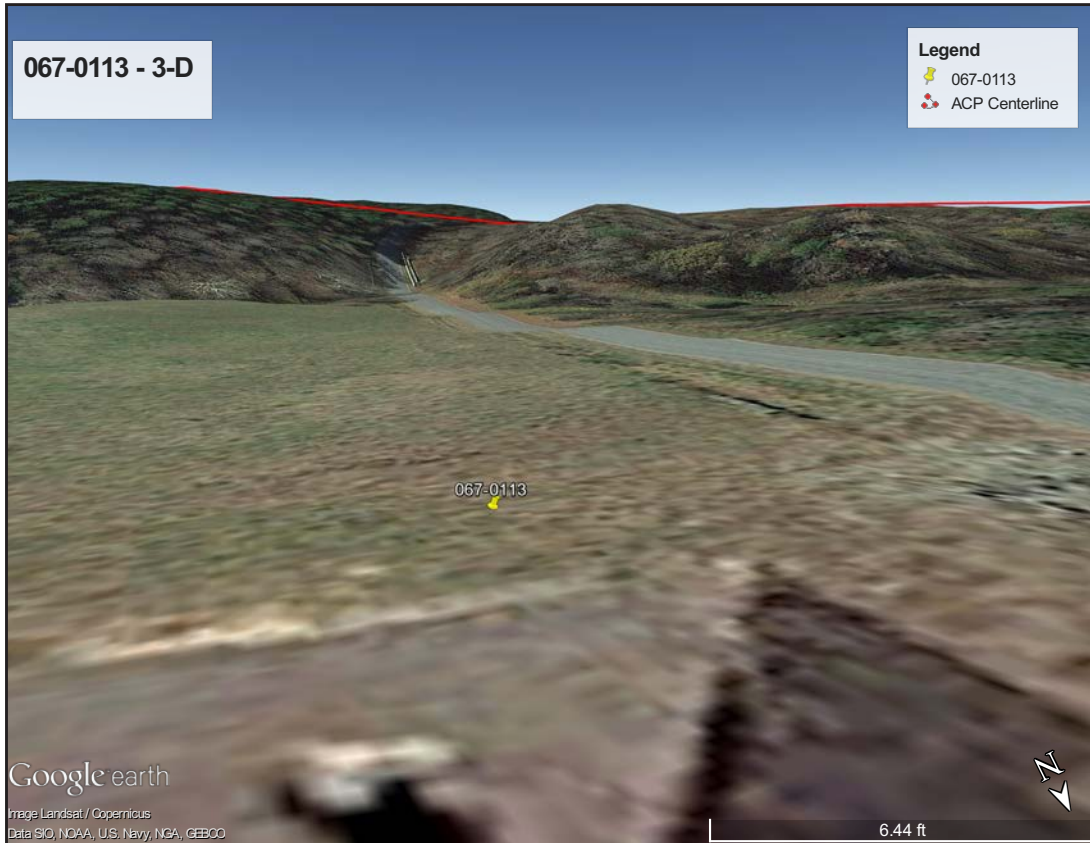


Figure 347. 067-0113 - 3-D View.

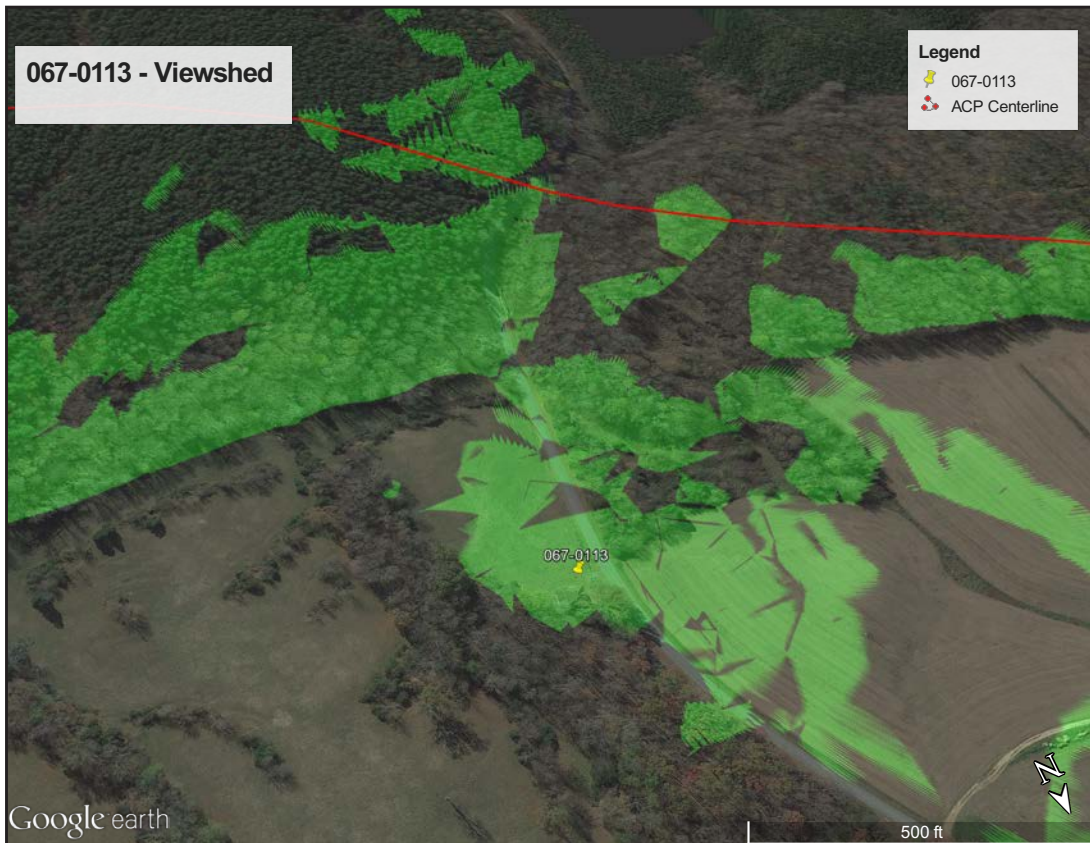


Figure 348. 067-0113 - Viewshed.

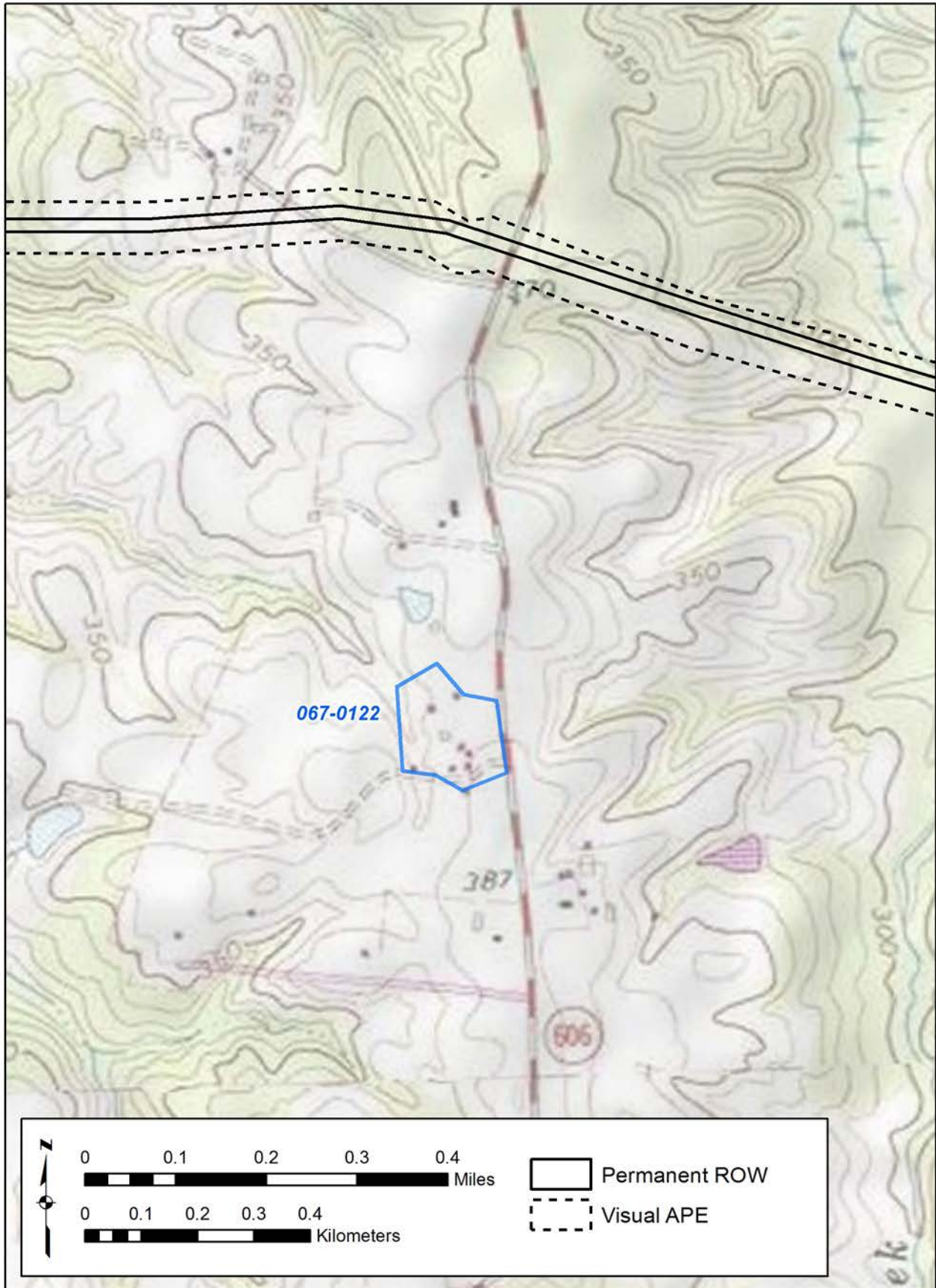


Figure 349. 067-0122 - USGS Quadrangle.



Figure 350. 067-0122 - Aerial.

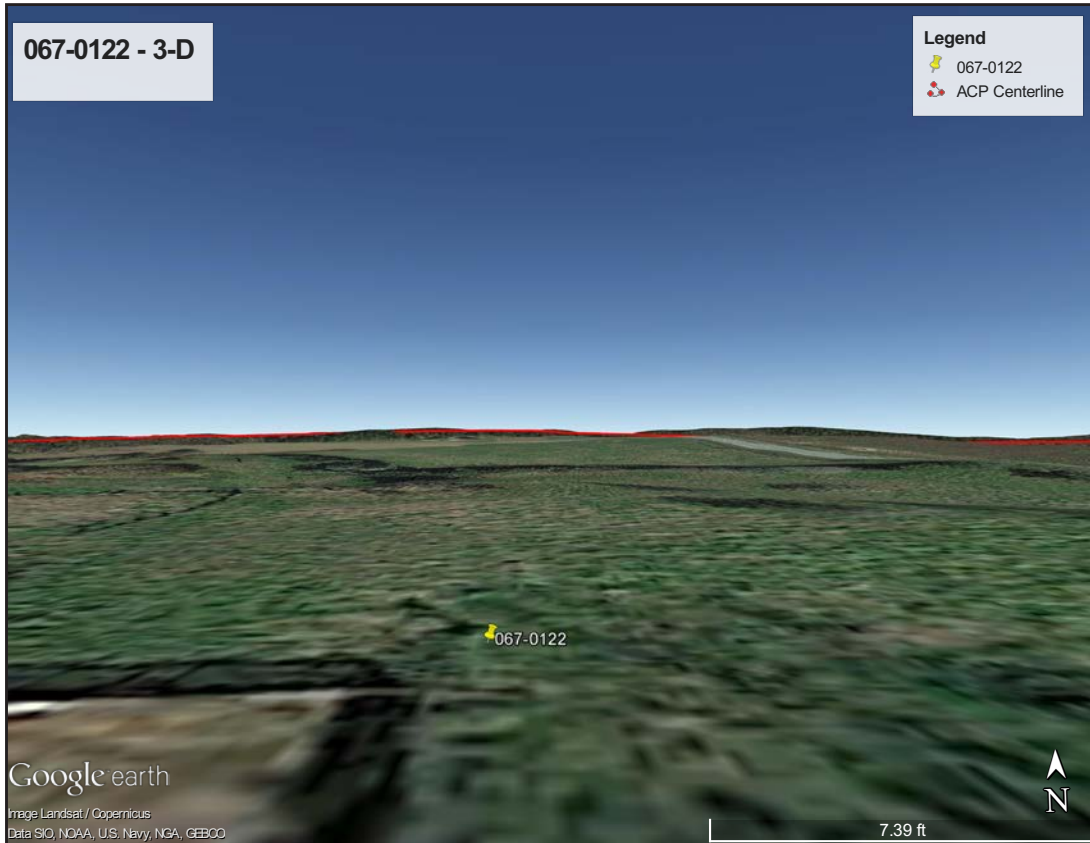


Figure 351. 067-0122 - 3-D View.

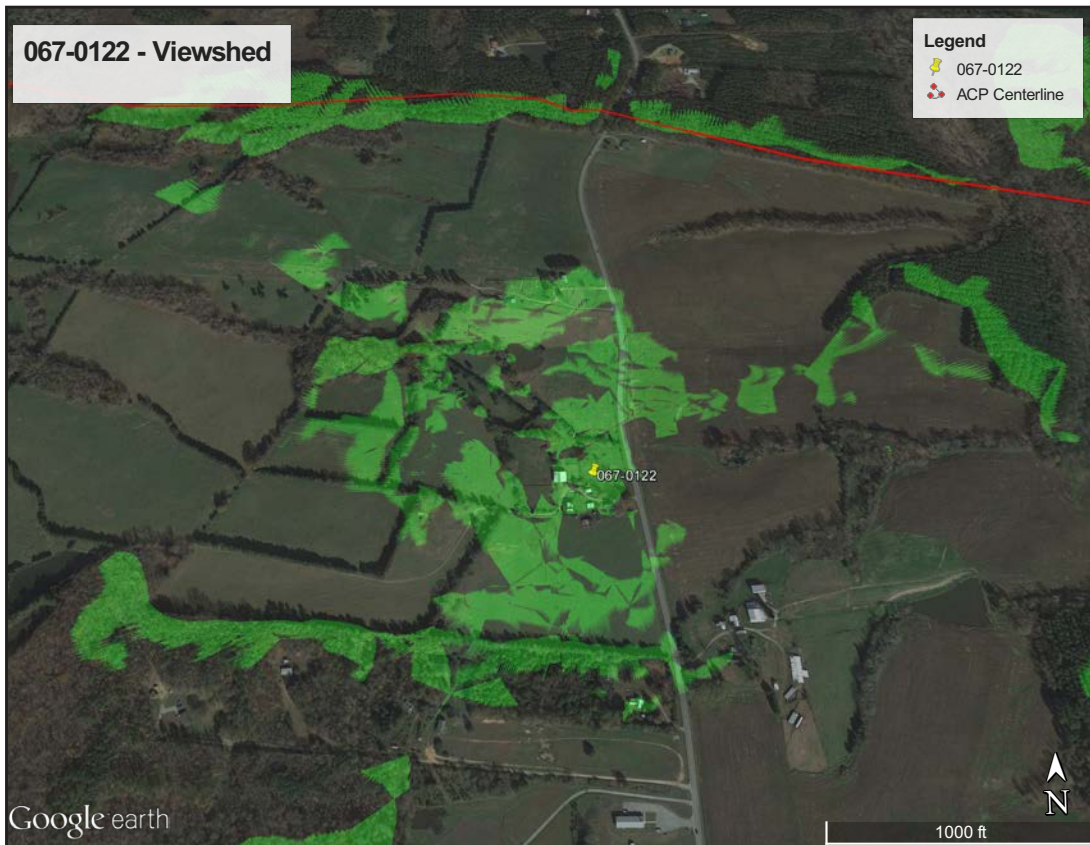


Figure 352. 067-0122 - Viewshed.

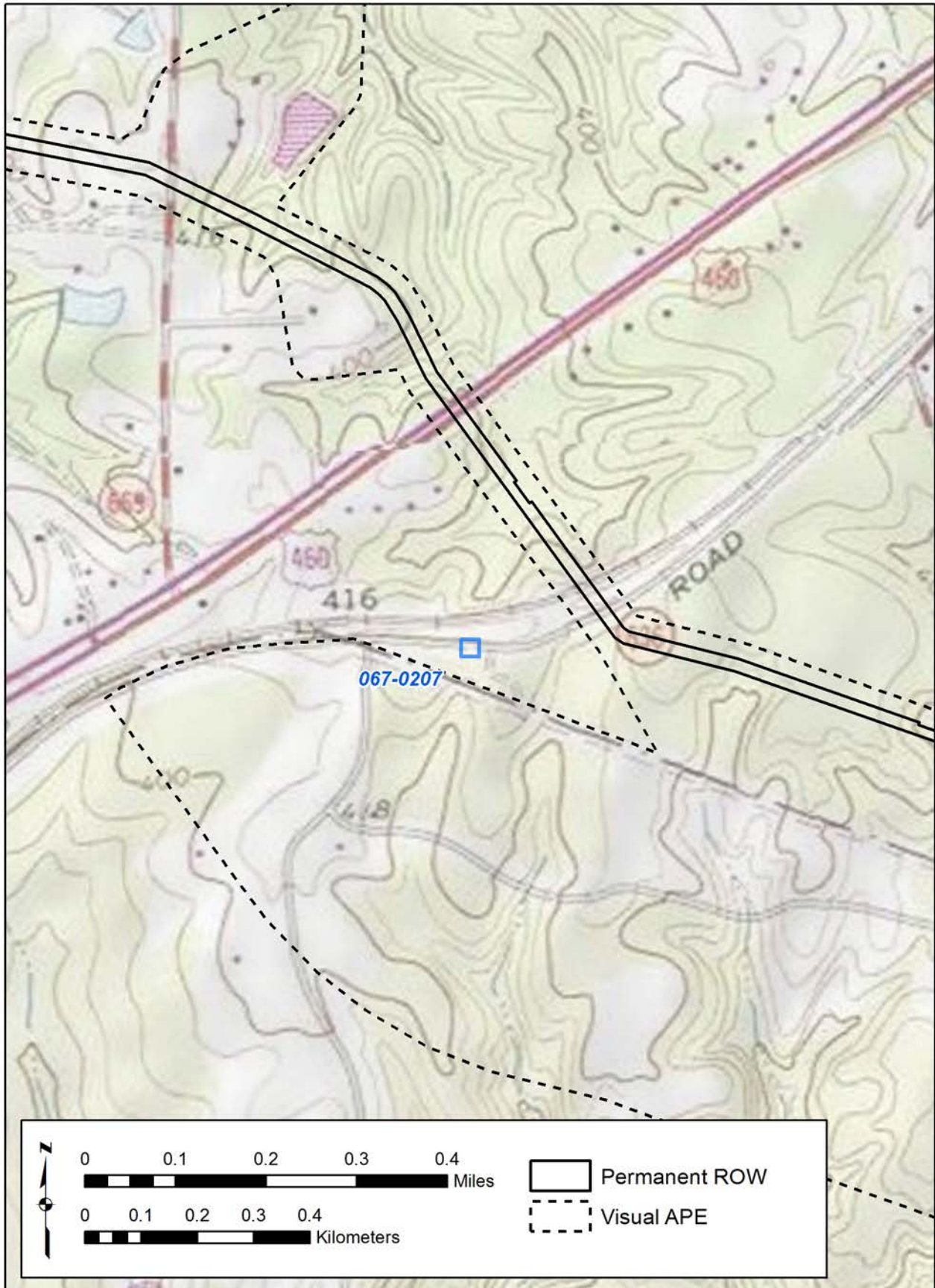


Figure 353. 067-0207 - USGS Quadrangle.

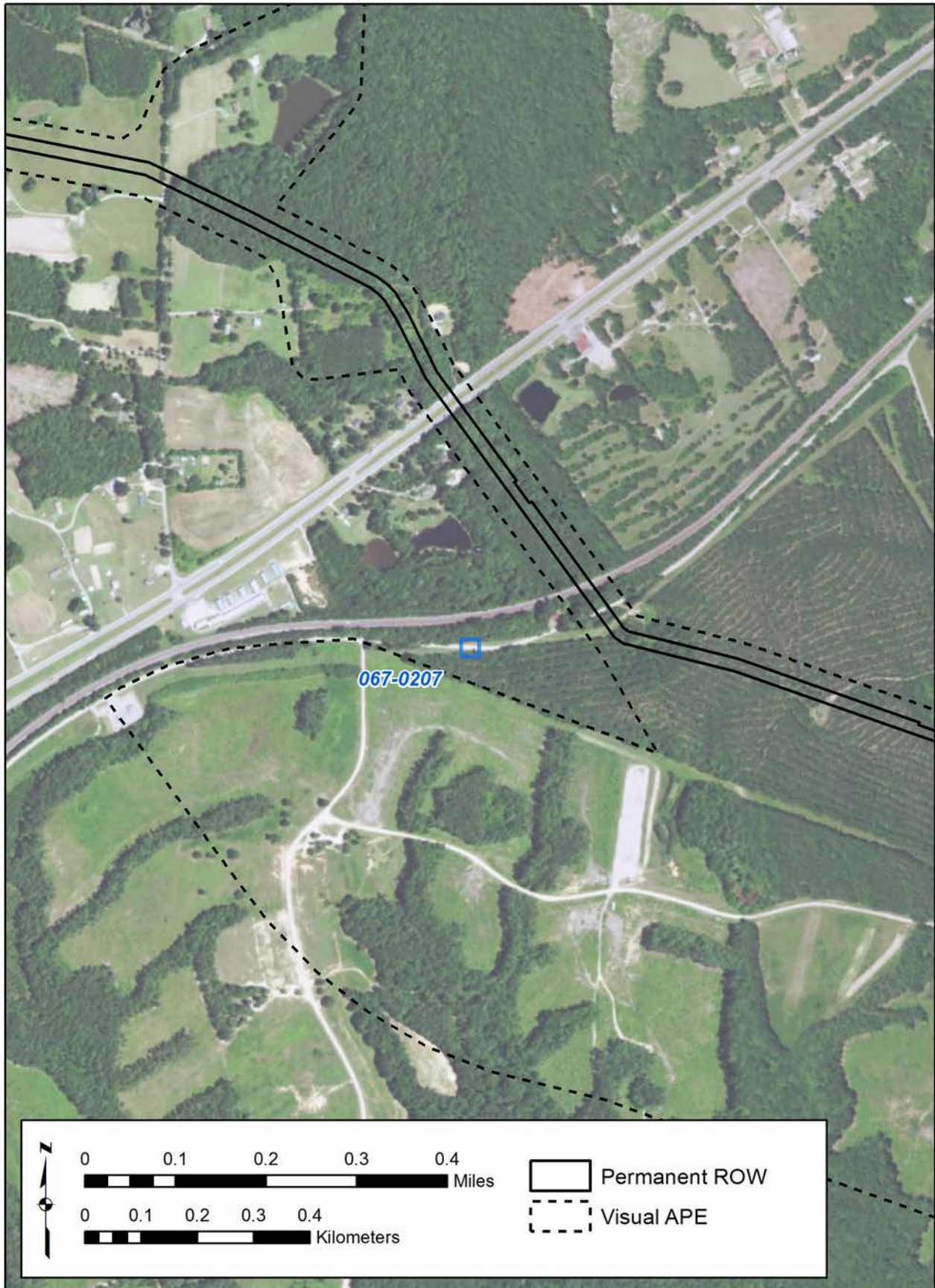


Figure 354. 067-0207 - Aerial.

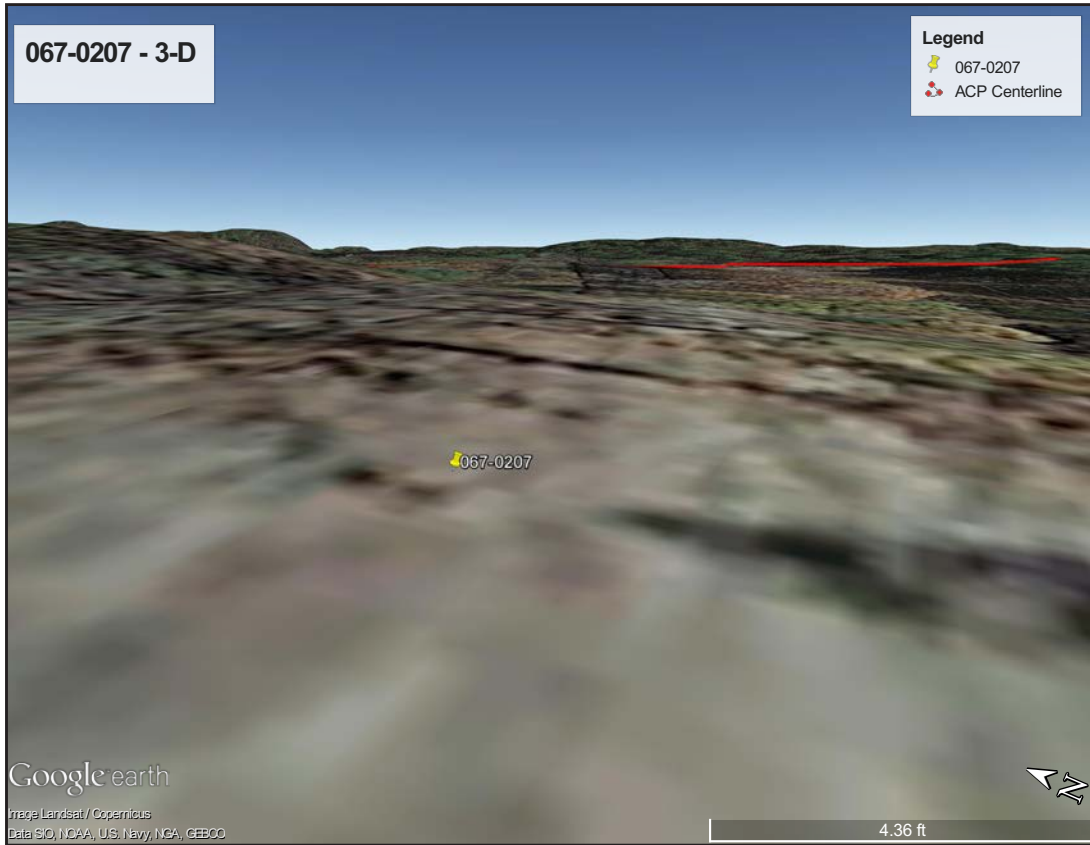


Figure 355. 067-0207 - 3-D View.

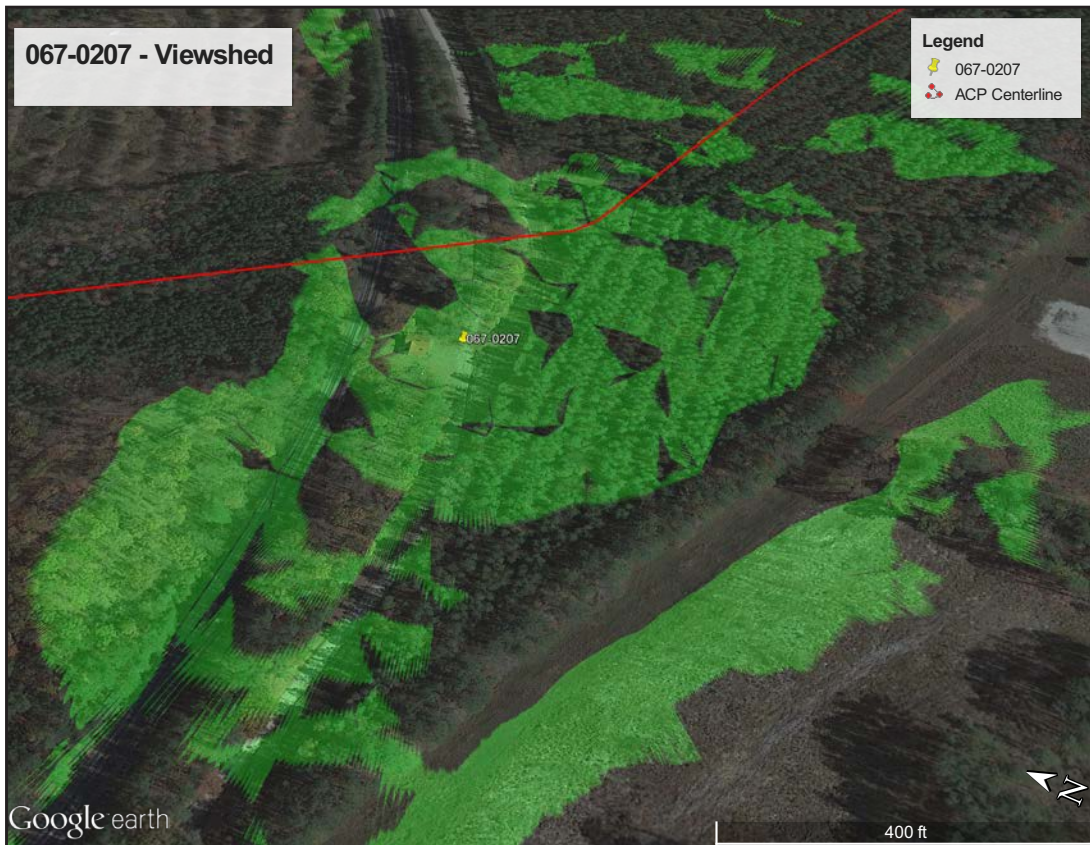


Figure 356. 067-0207 - Viewshed.

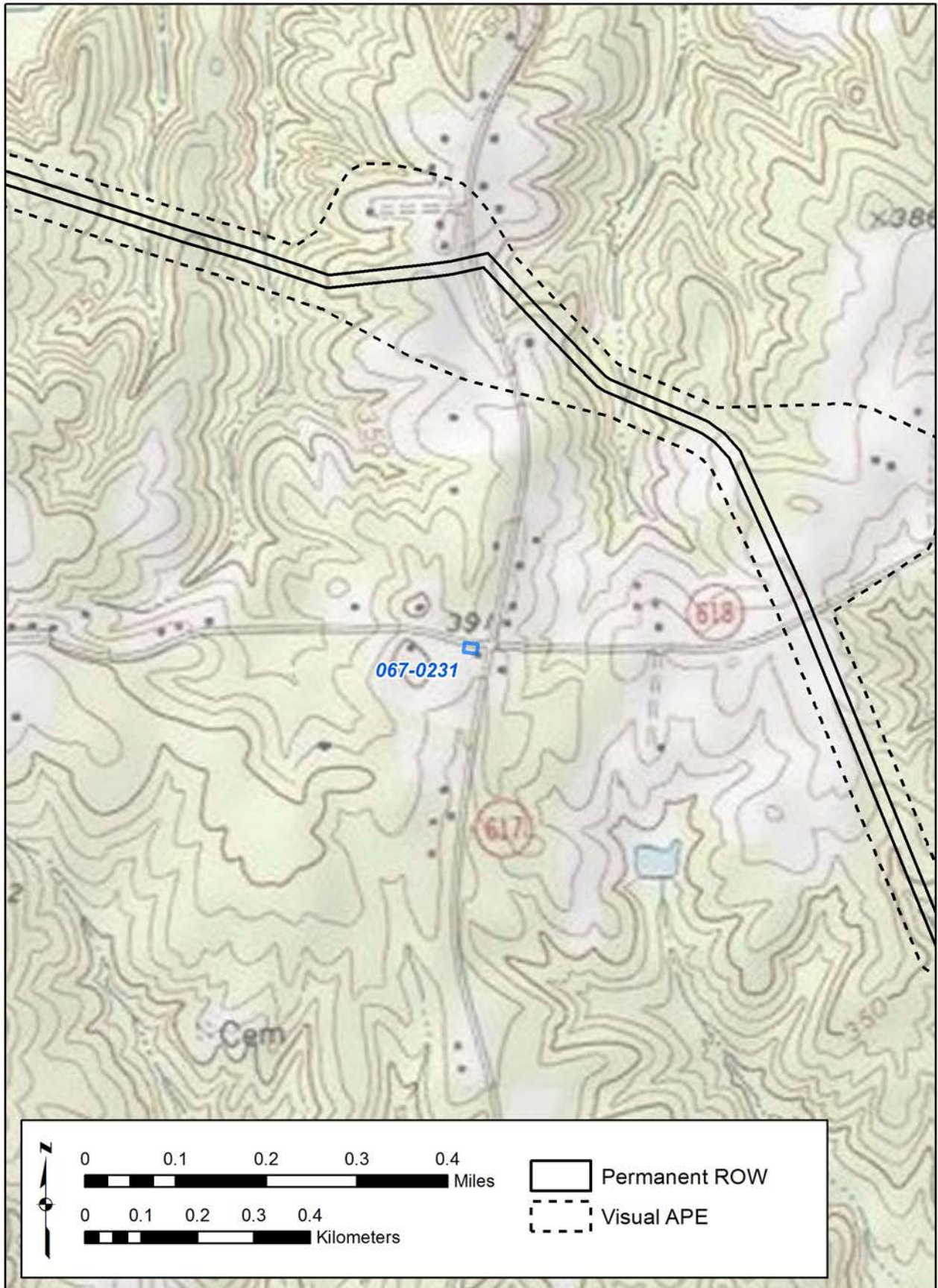


Figure 357. 067-0231 - USGS Quadrangle.

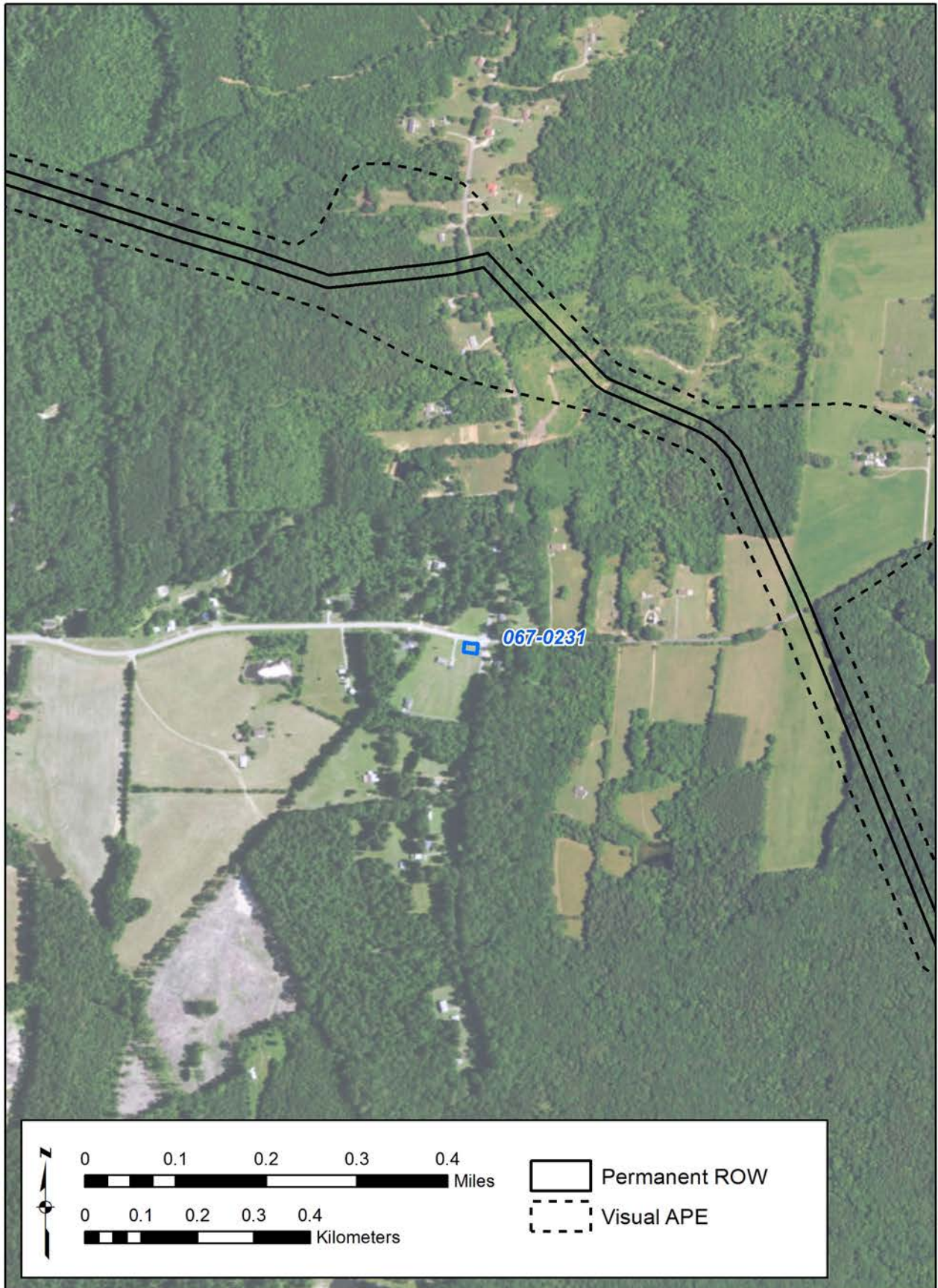


Figure 358. 067-0231 - Aerial.



Figure 359. 067-0231 - 3-D View.

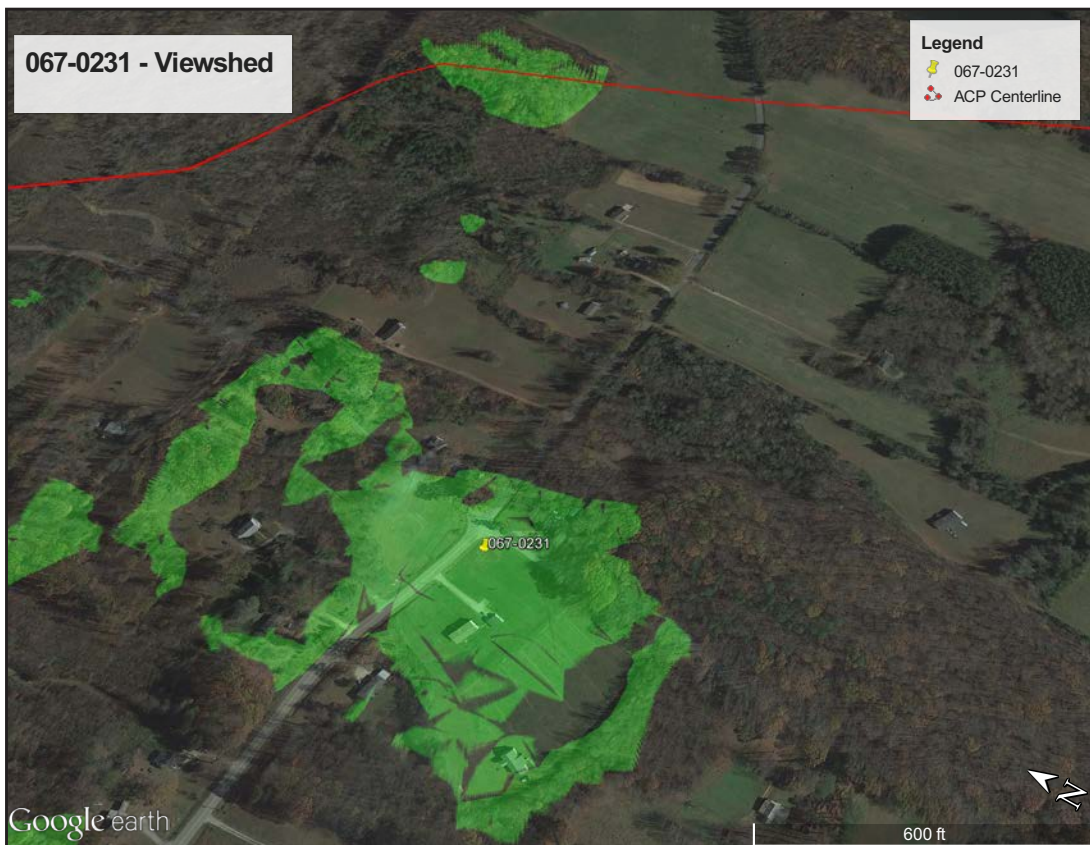


Figure 360. 067-0231 - Viewshed.

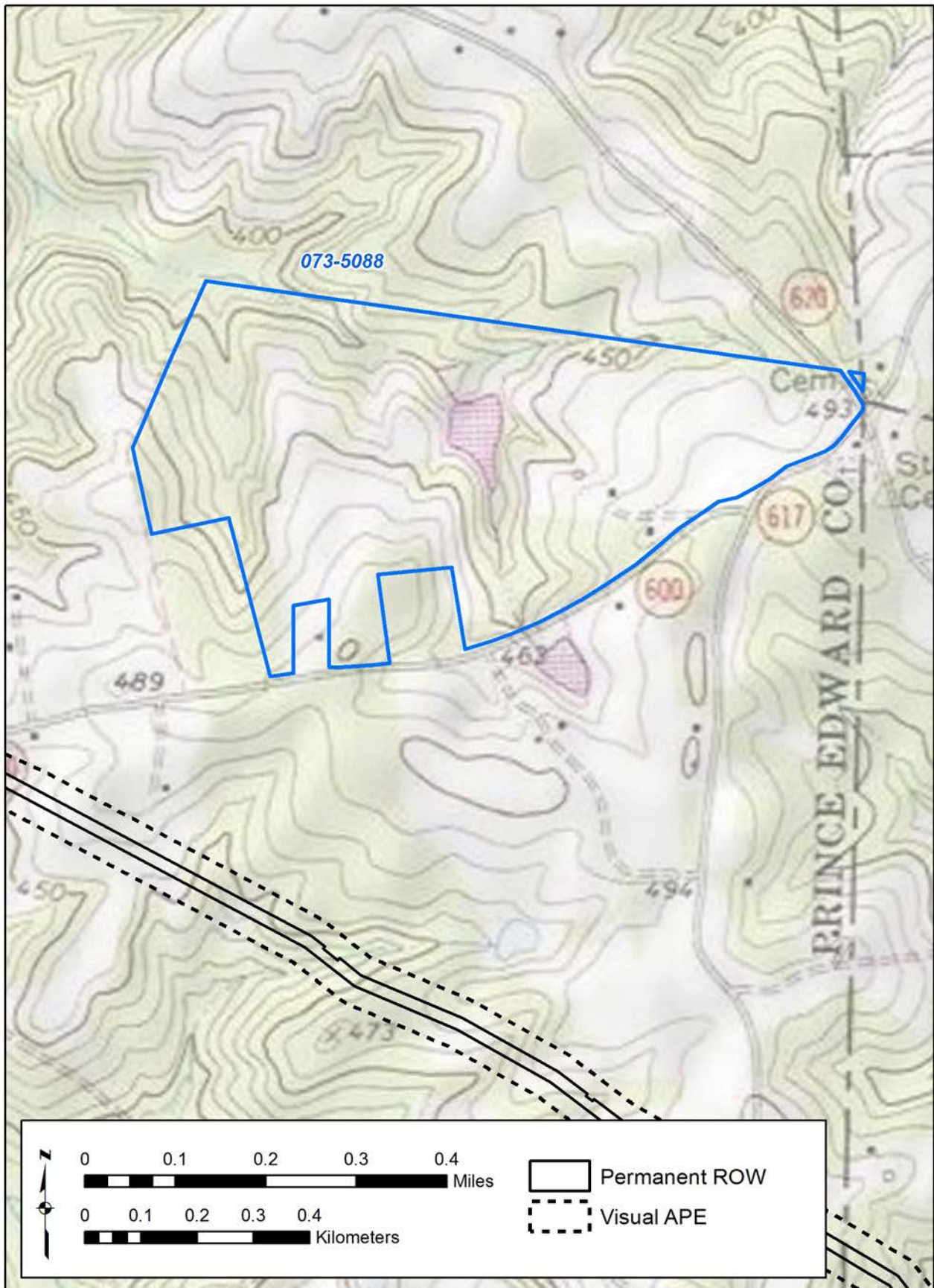


Figure 361. 073-5088 - USGS Quadrangle.

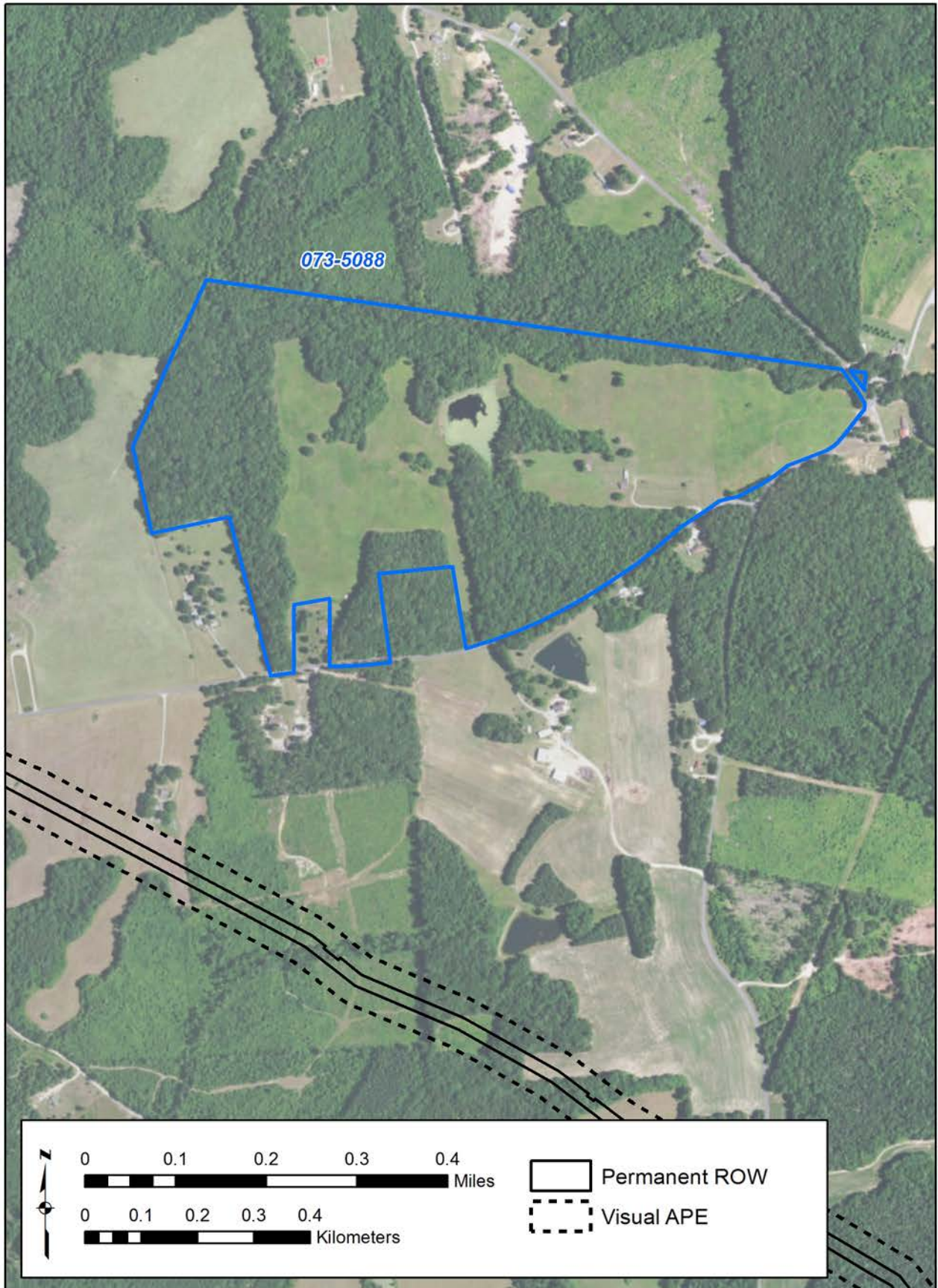


Figure 362. 073-5088 - Aerial.



Figure 363. 073-5088 - 3-D View.

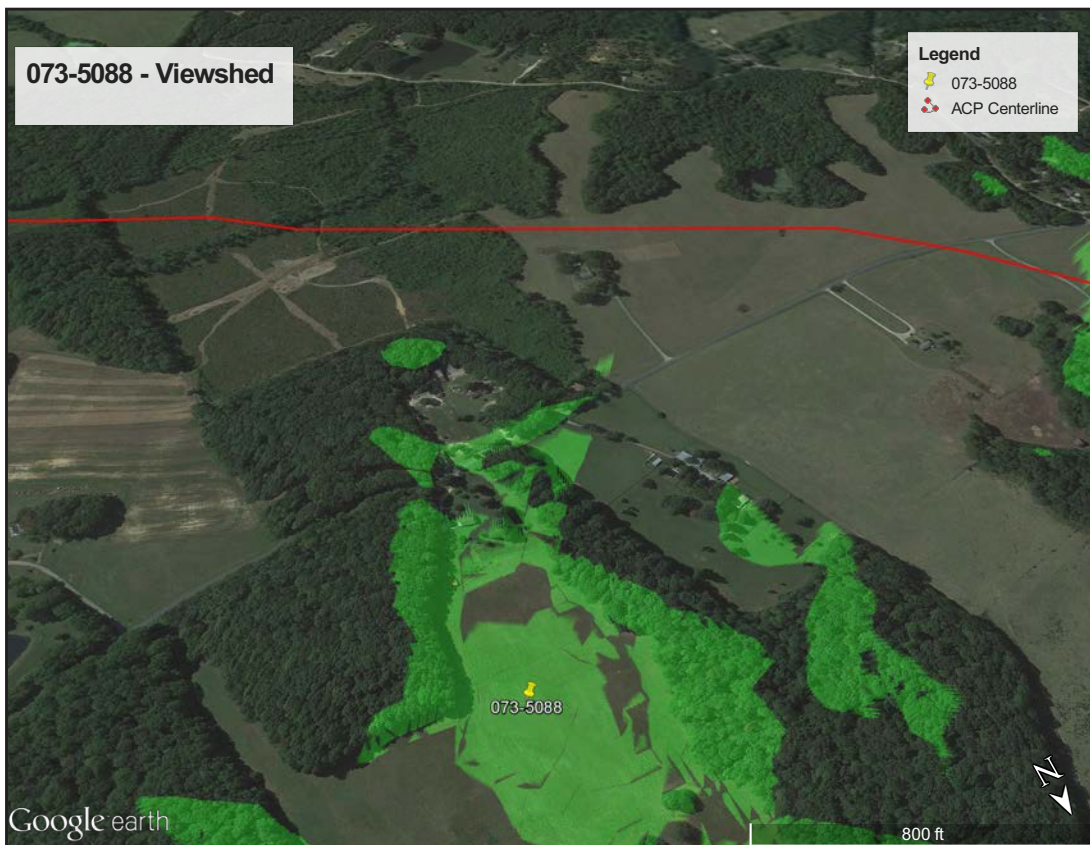


Figure 364. 073-5088 - Viewshed.

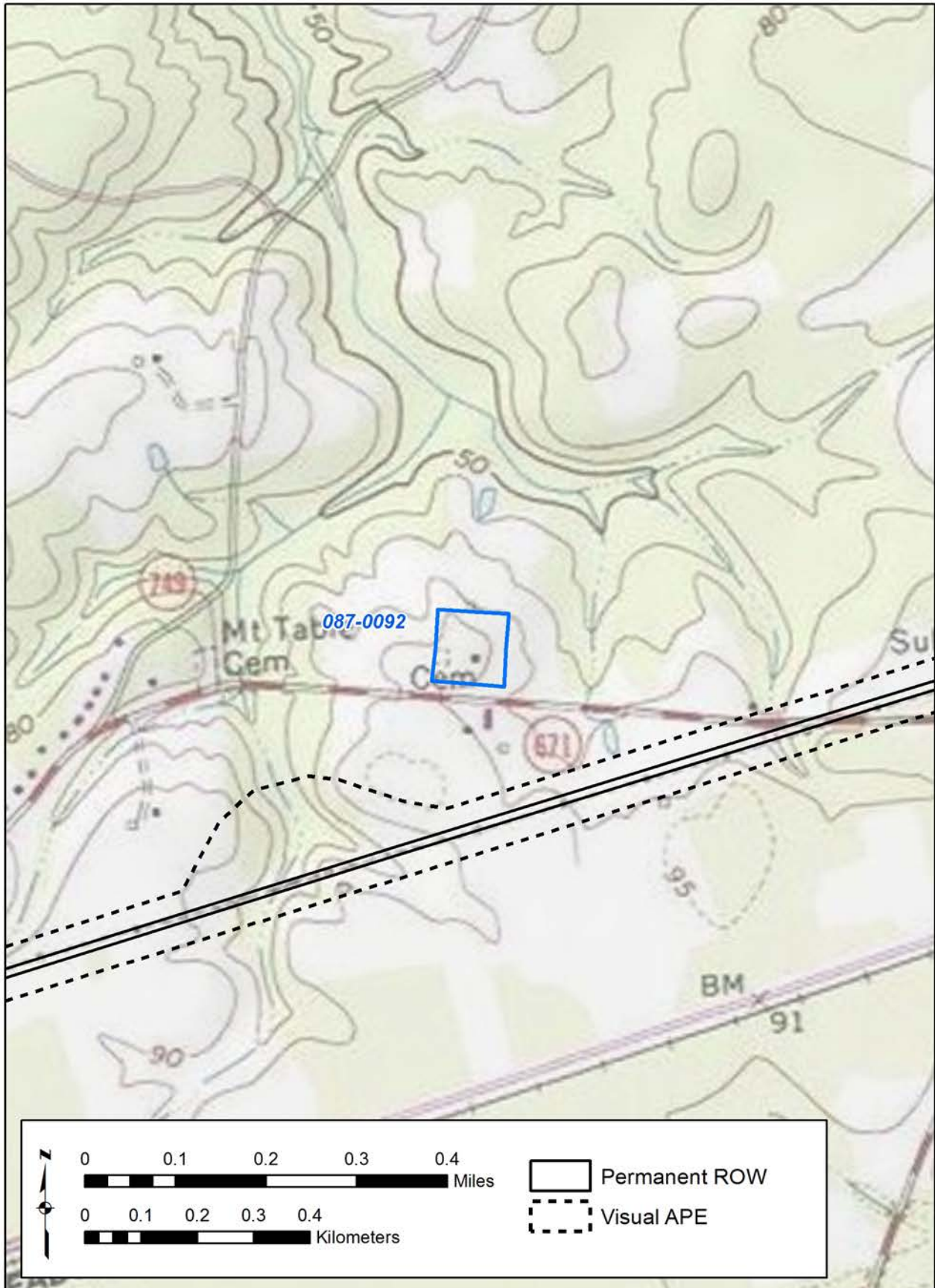


Figure 365. 087-0092 - USGS Quadrangle.



Figure 366. 087-0092 - Aerial.

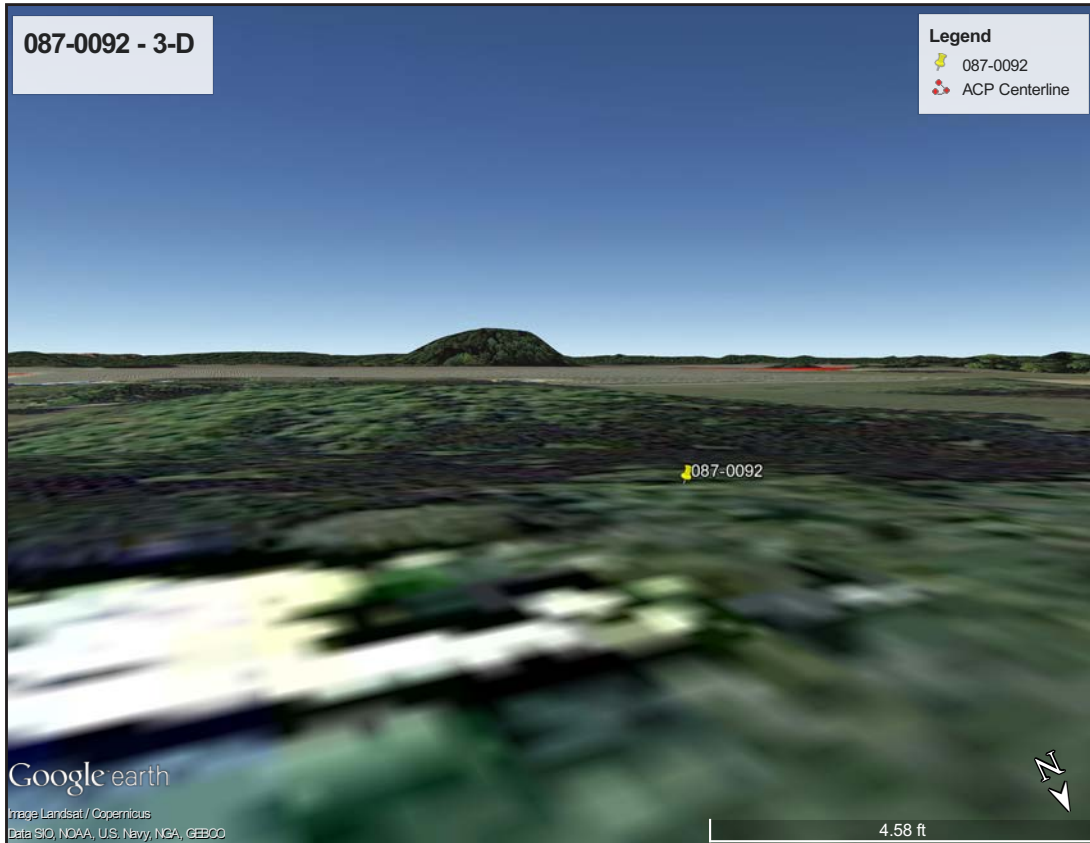


Figure 367. 087-0092 - 3-D View.



Figure 368. 087-0092 - Viewshed.



Figure 369. 087-0105 - USGS Quadrangle.



Figure 370. 087-0105 - Aerial.



Figure 371. 087-0105 - 3-D View.

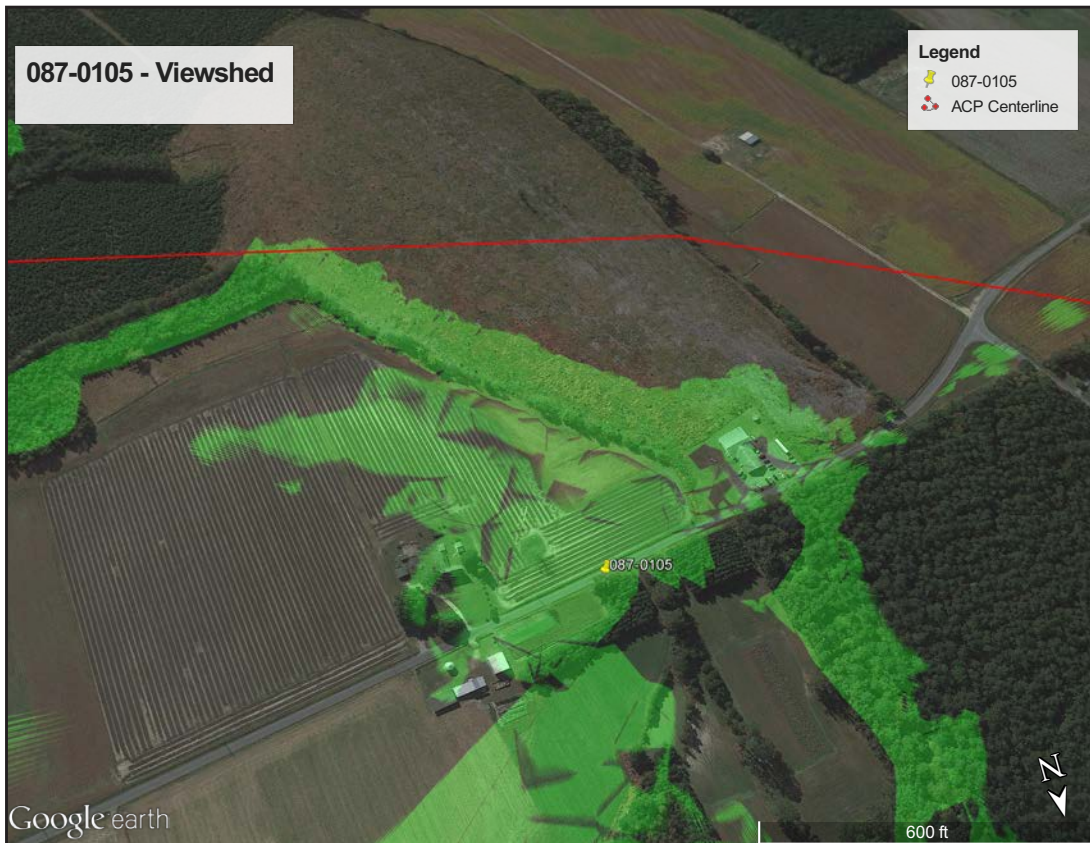


Figure 372. 087-0105 - Viewshed.

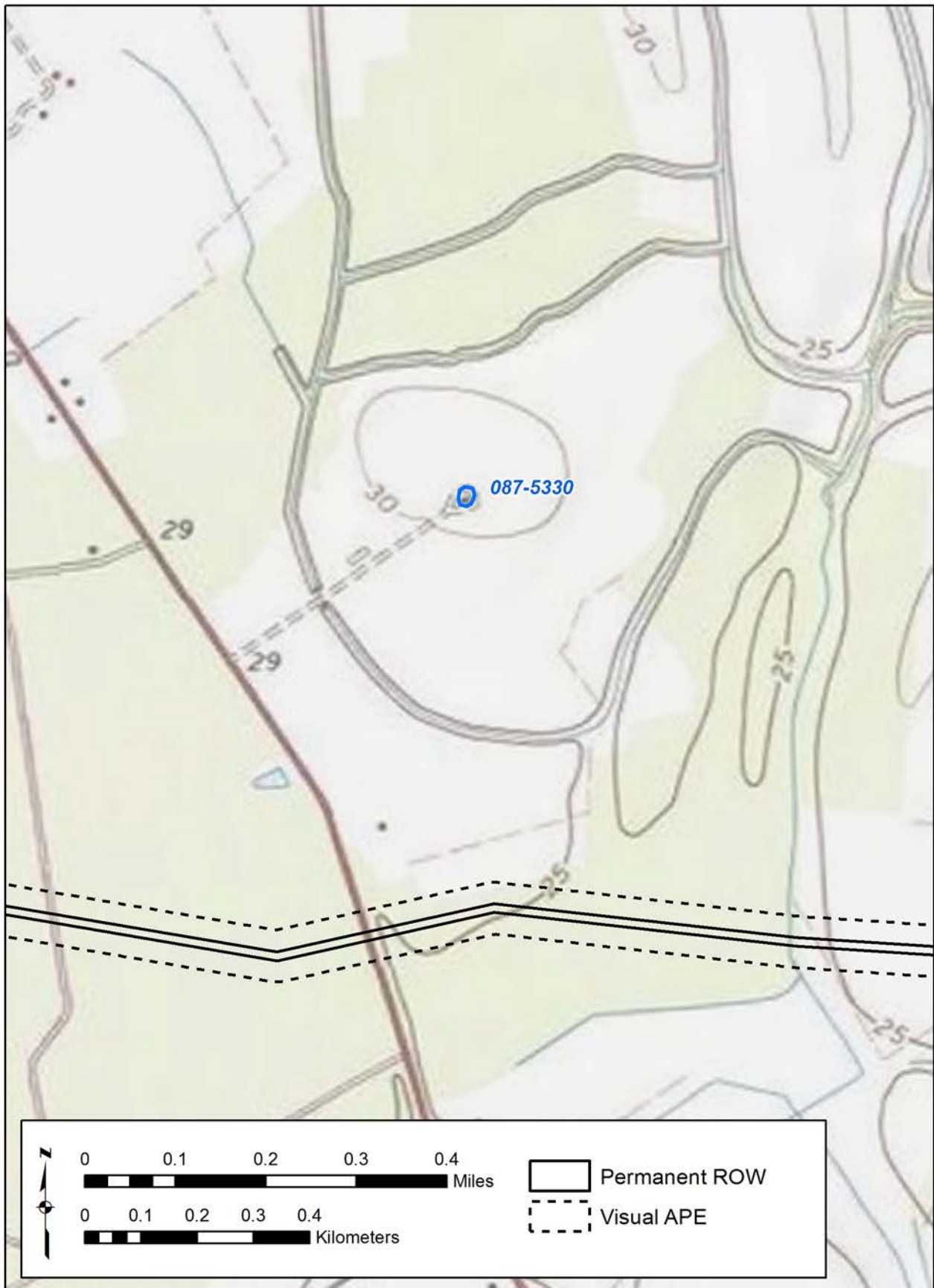


Figure 373. 087-5330 - USGS Quadrangle.



Figure 374. 087-5330 - Aerial.

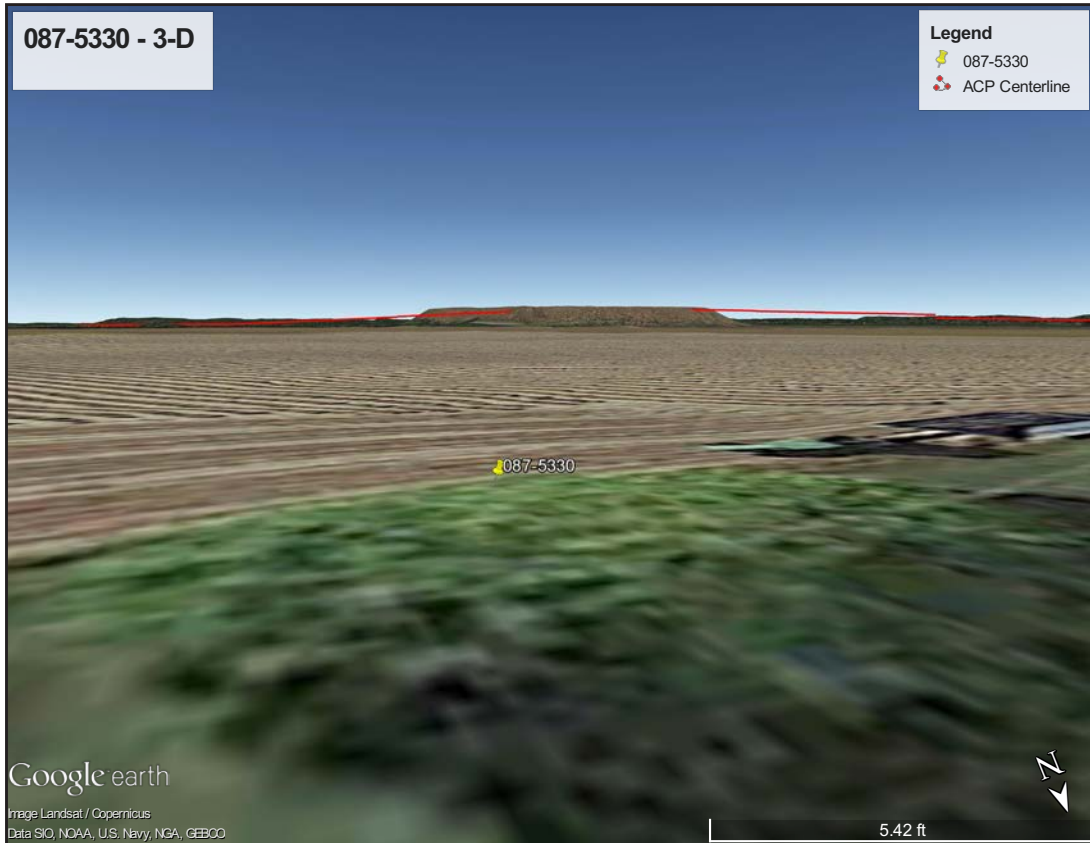


Figure 375. 087-5330 - 3-D View.



Figure 376. 087-5330 - Viewshed.

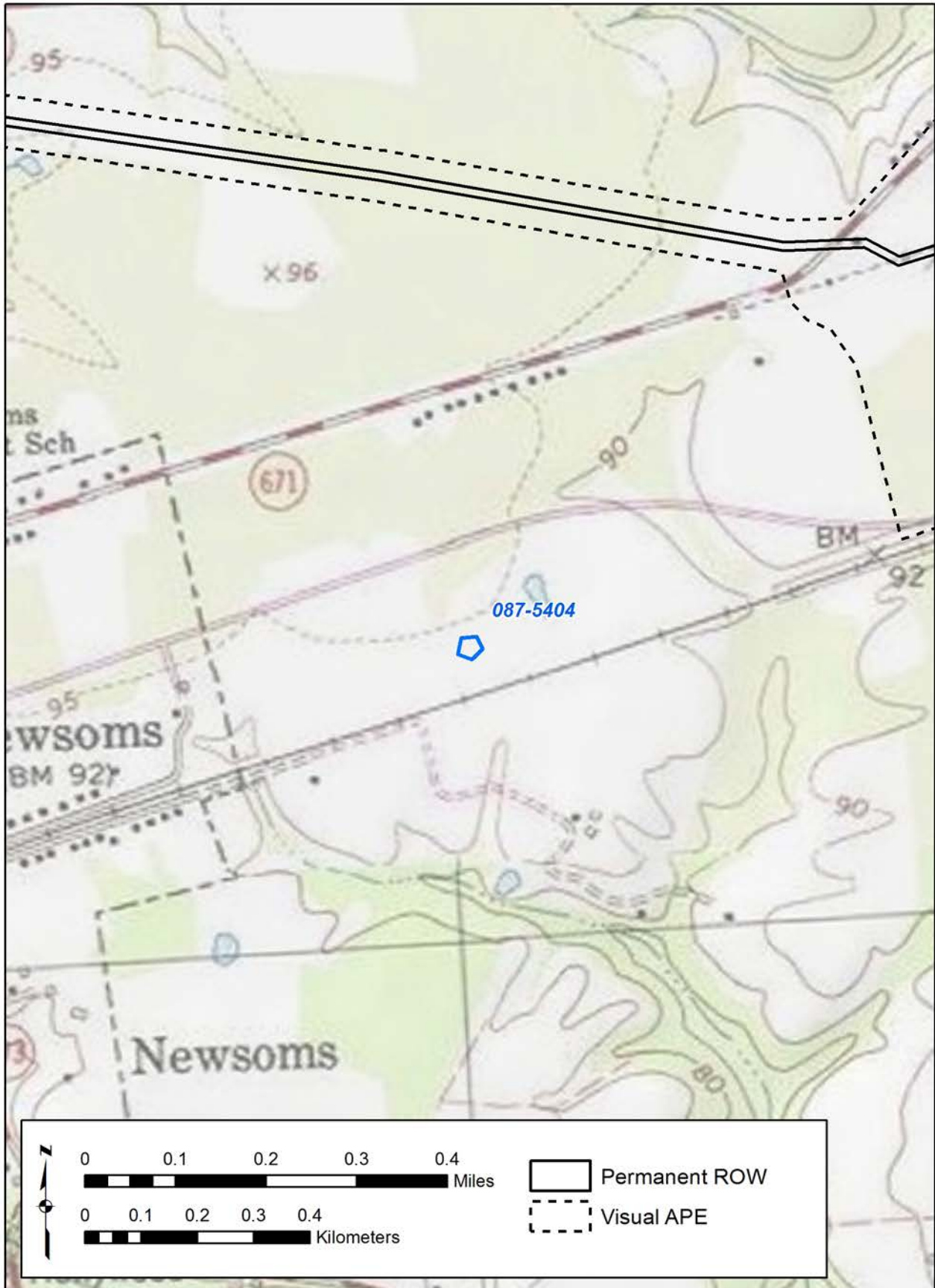


Figure 377. 087-5404 - USGS Quadrangle.



Figure 378. 087-5404 - Aerial.



Figure 379. 087-5404 - 3-D View.

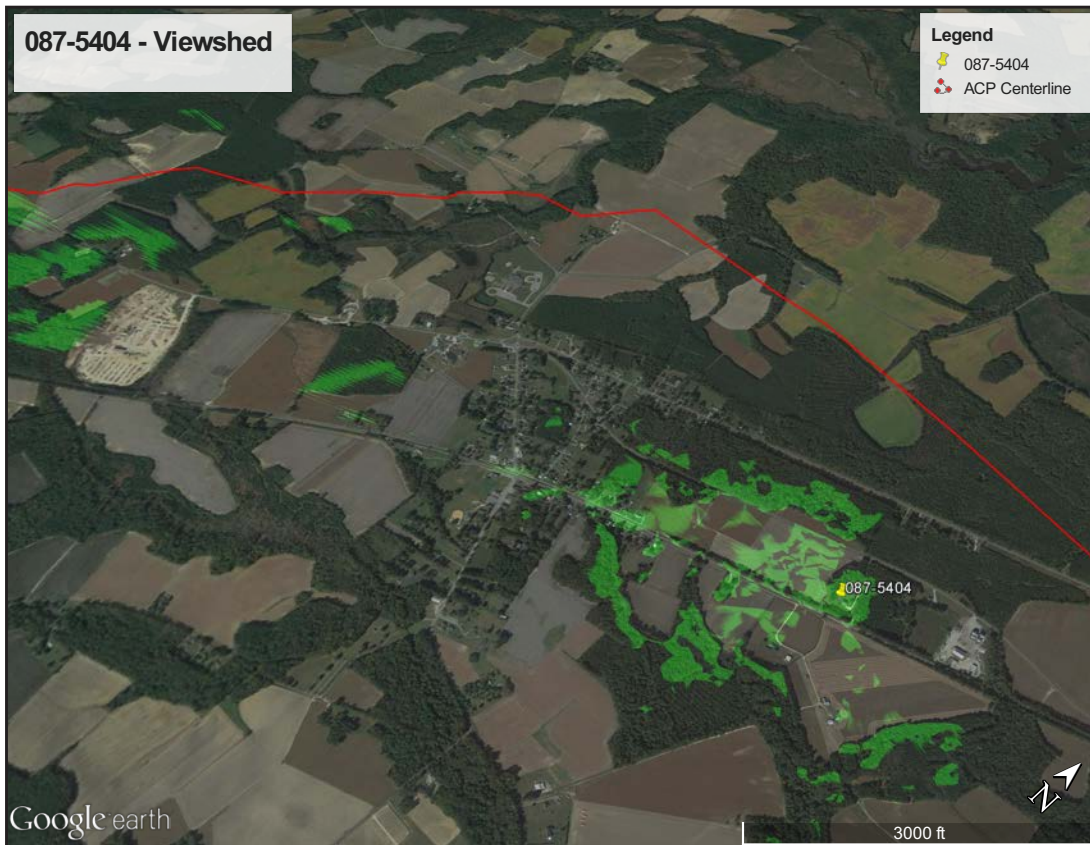


Figure 380. 087-5404 - Viewshed.



Figure 381. 131-0031 - USGS Quadrangle.

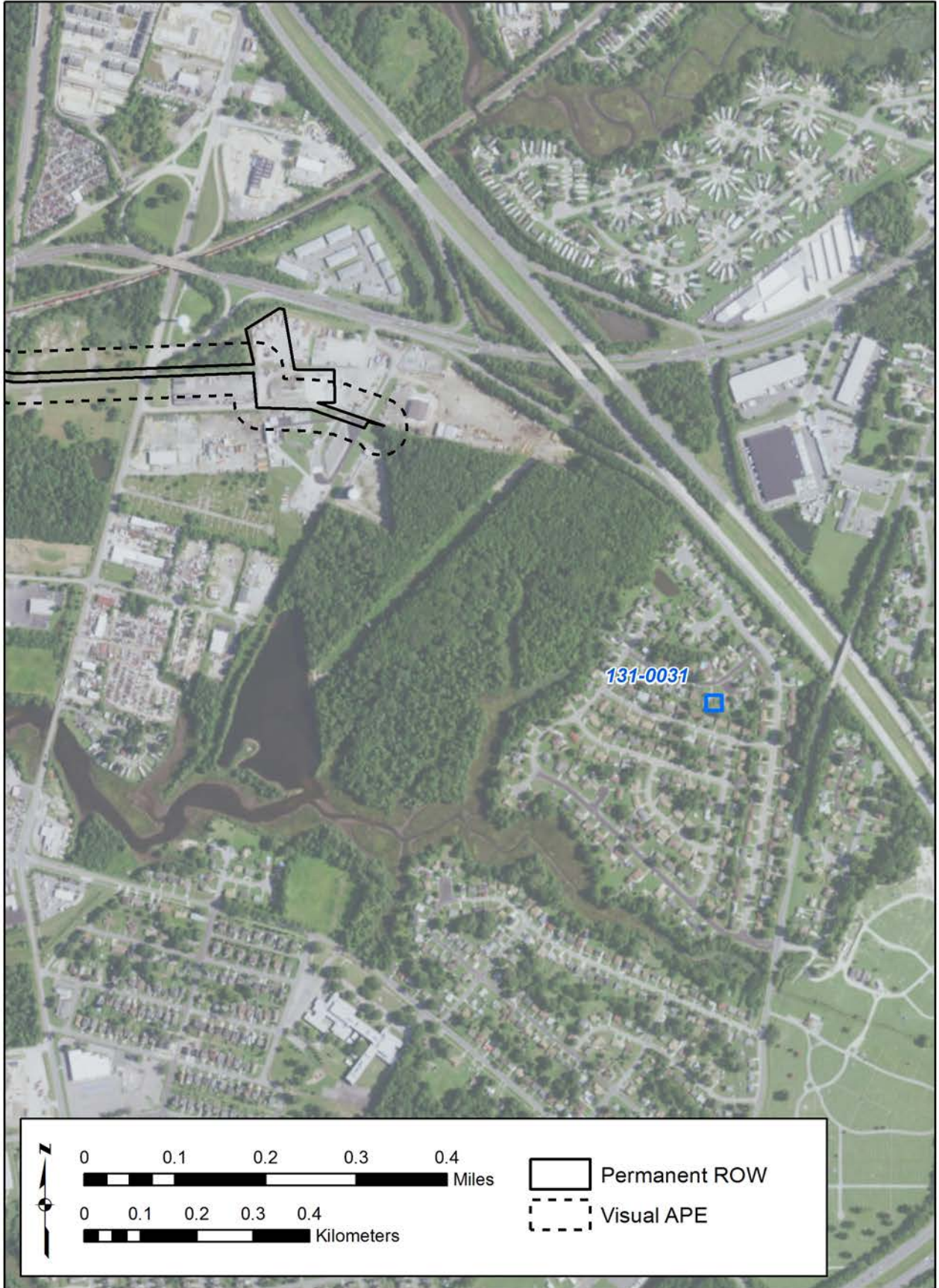


Figure 382. 131-0031 - Aerial.



Figure 383. 131-0031 - 3-D View.



Figure 384. 131-0031 - Viewshed.

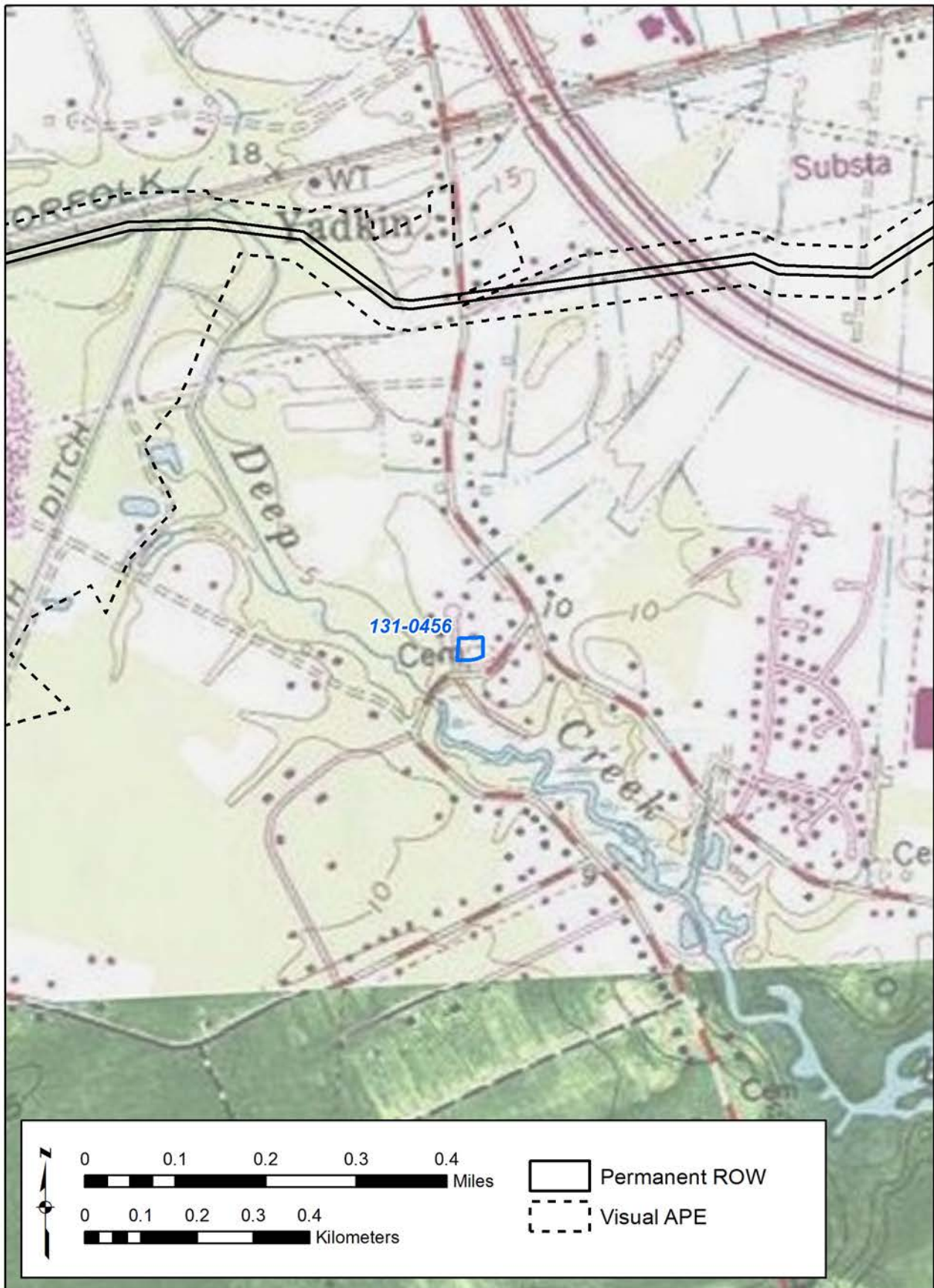


Figure 385. 131-0456 - USGS Quadrangle.



Figure 386. 131-0456 - Aerial.



Figure 387. 131-0456 - 3-D View.

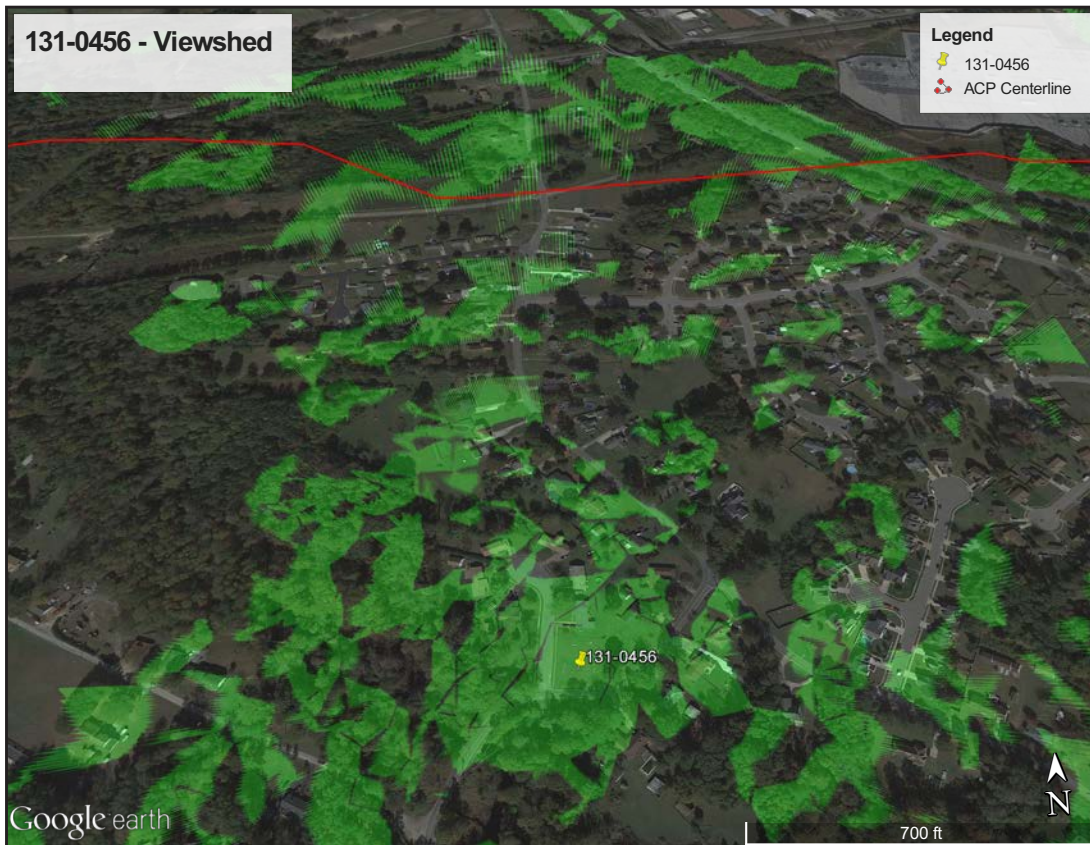


Figure 388. 131-0456 - Viewshed.

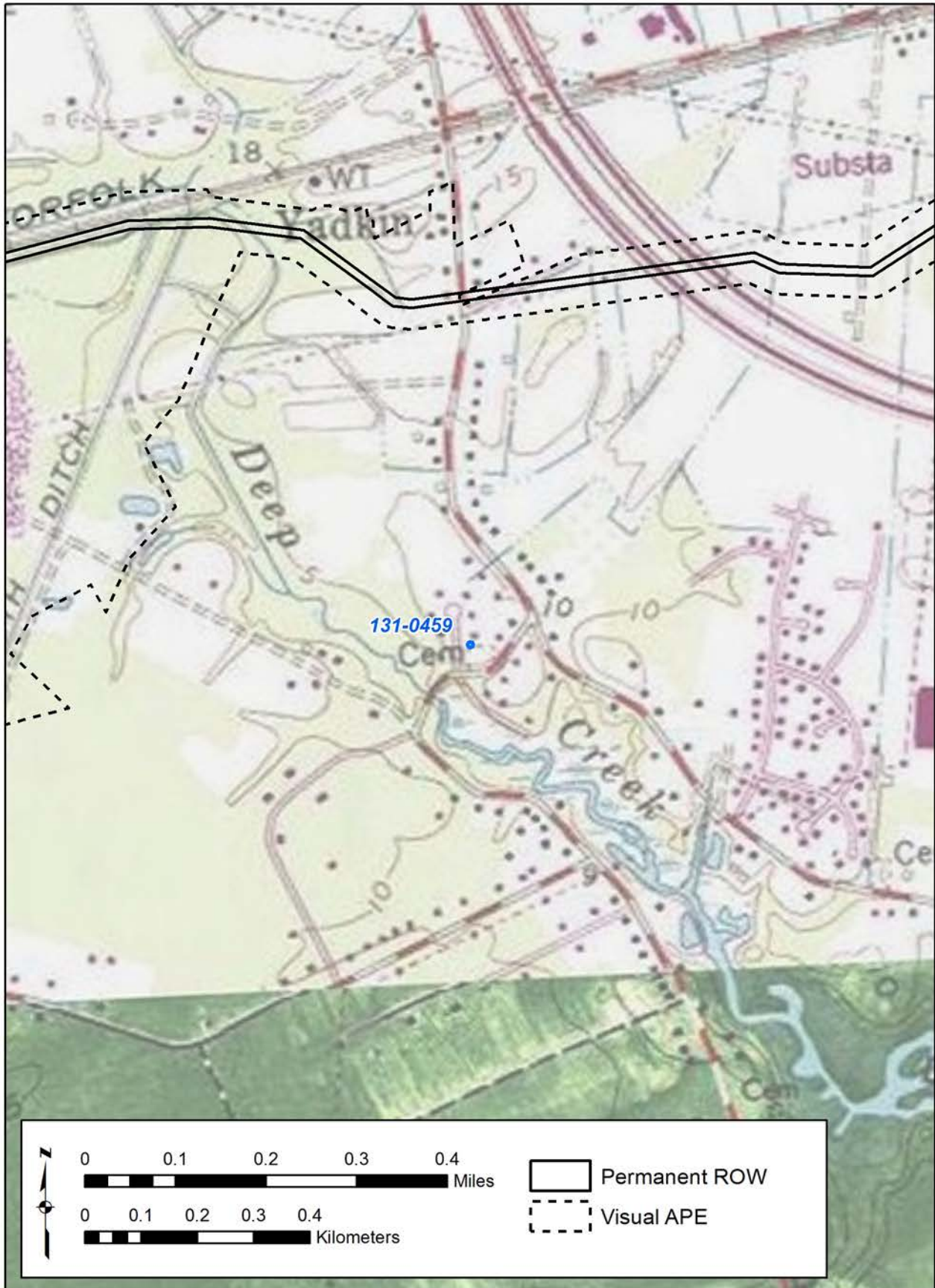


Figure 389. 131-0459 - USGS Quadrangle.

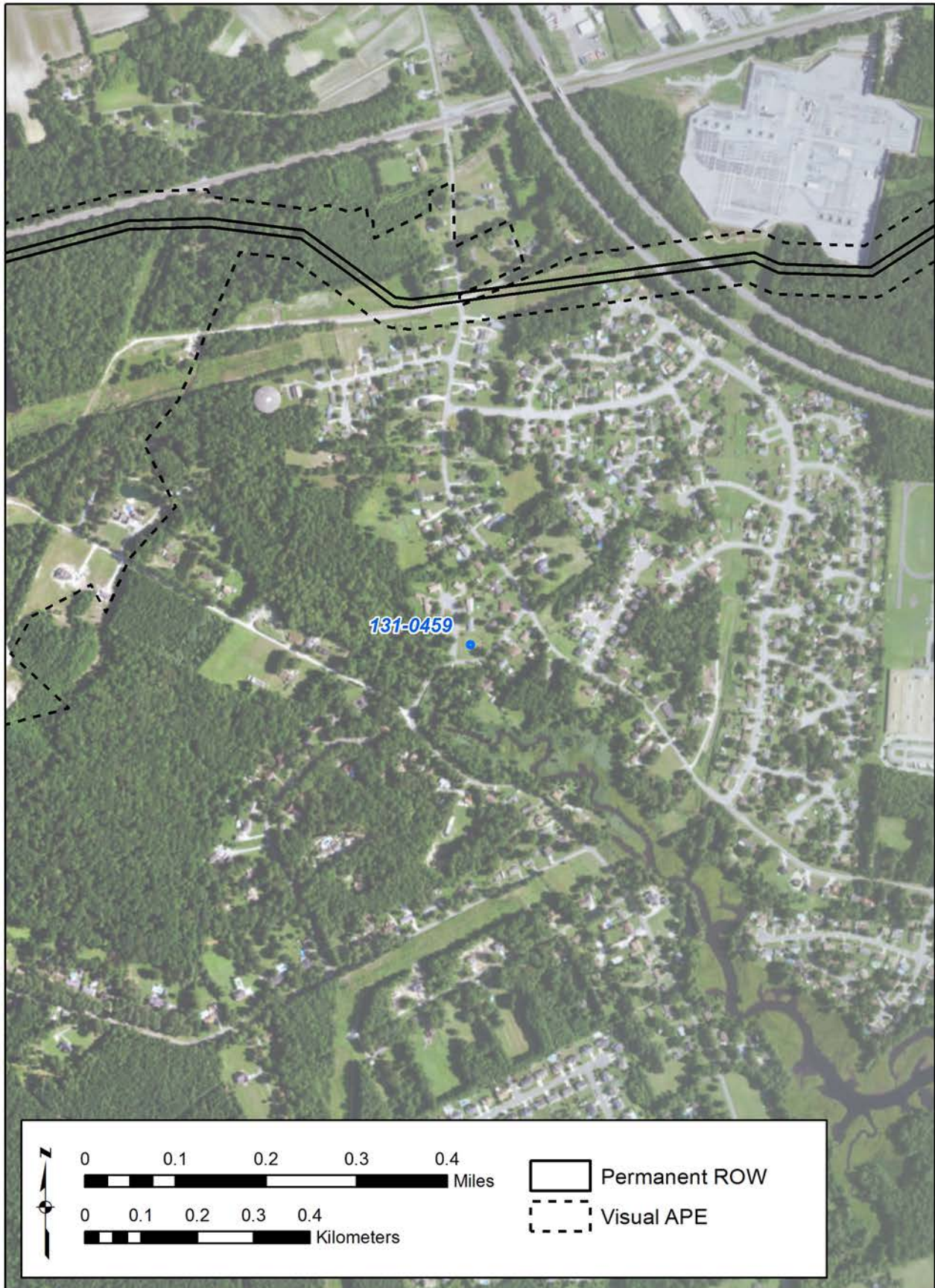


Figure 390. 131-0459 - Aerial.

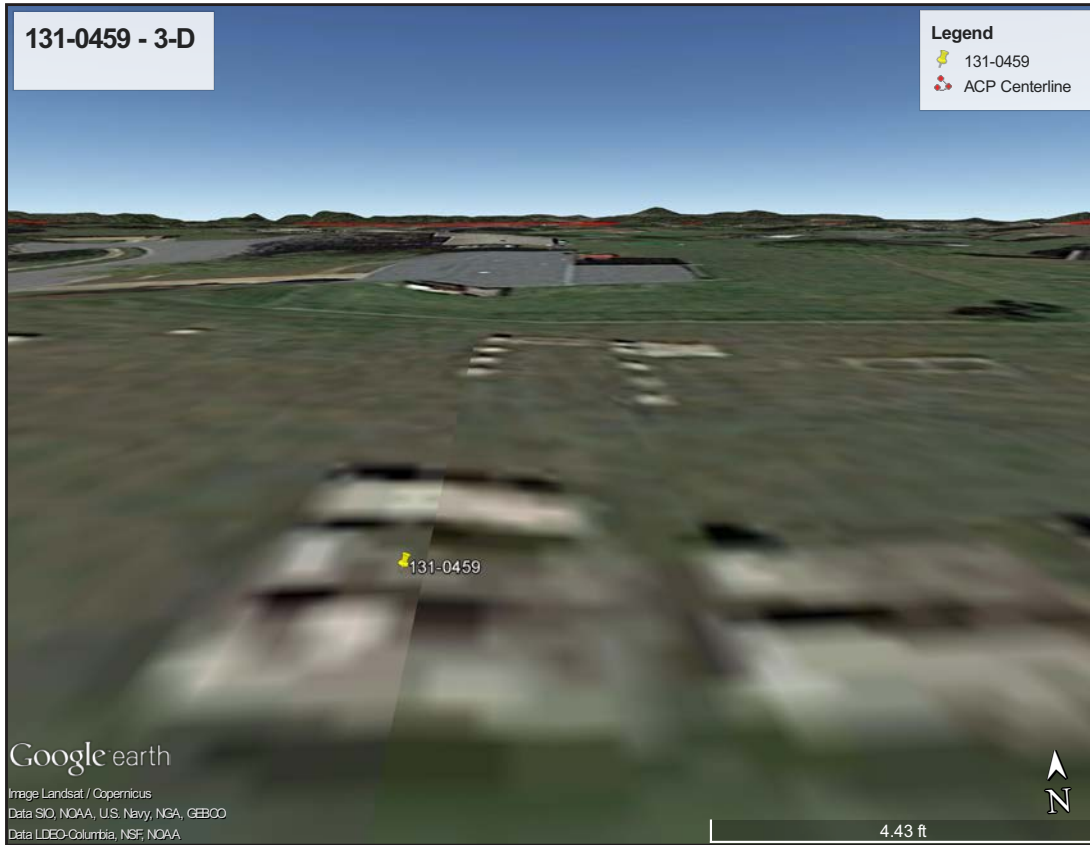


Figure 391. 131-0459 - 3-D View.

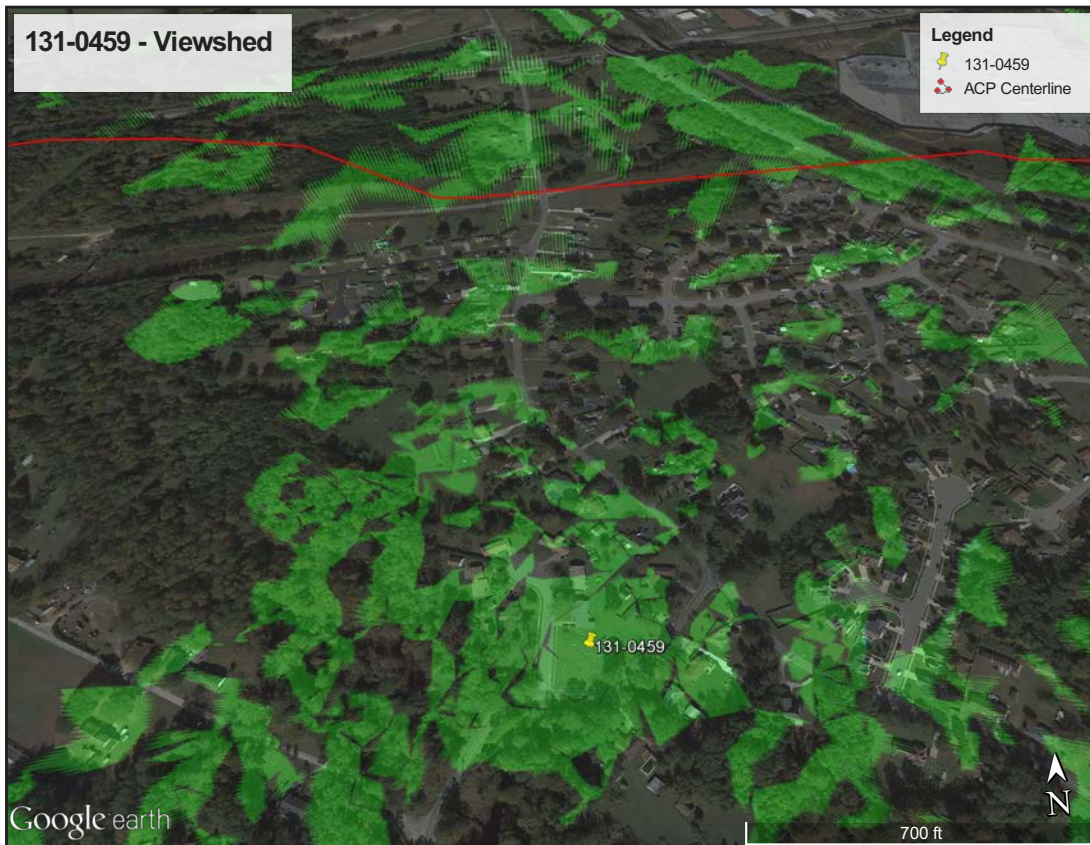


Figure 392. 131-0459 - Viewshed.

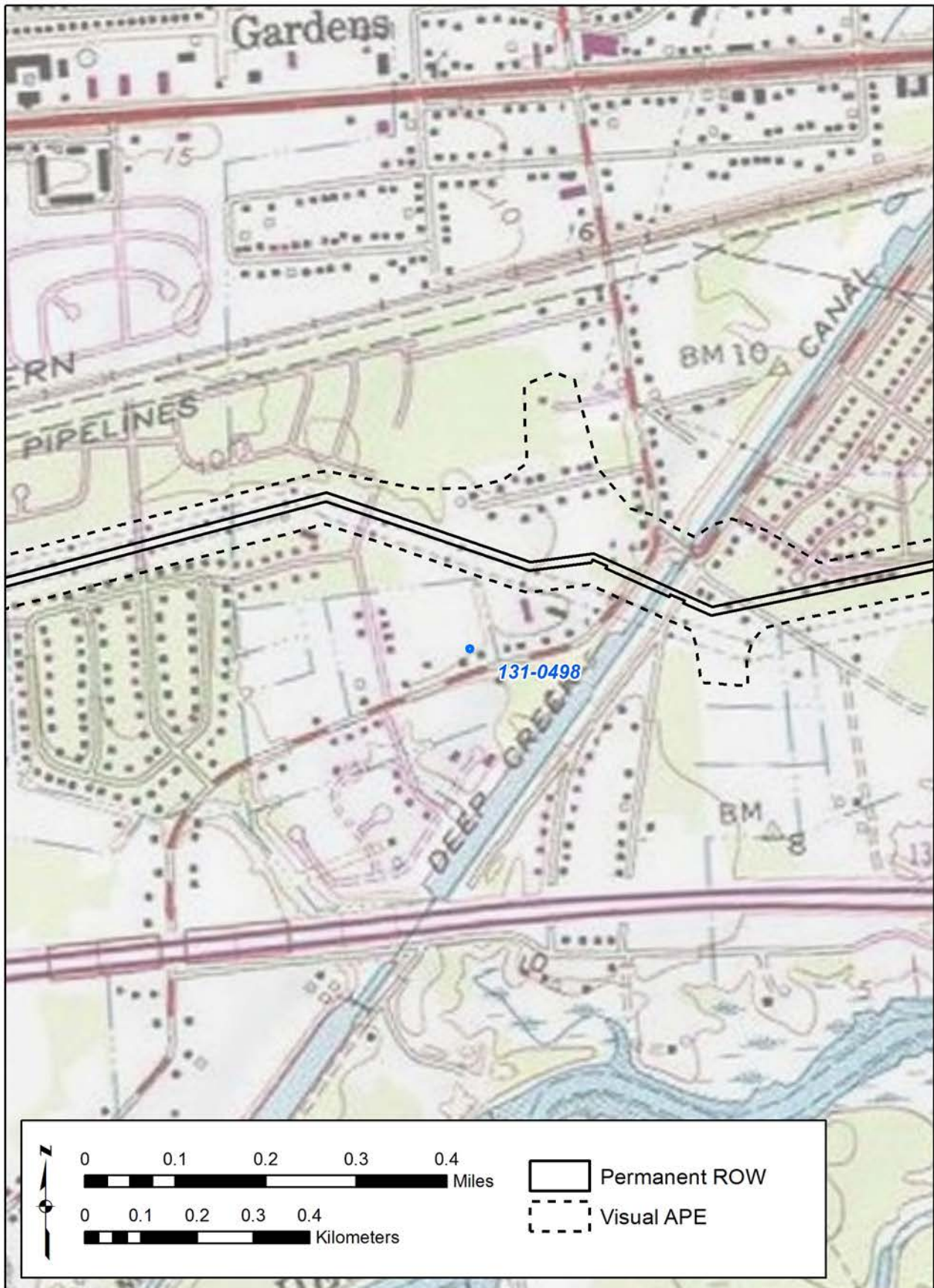


Figure 393. 131-0498 - USGS Quadrangle.



Figure 394. 131-0498 - Aerial.

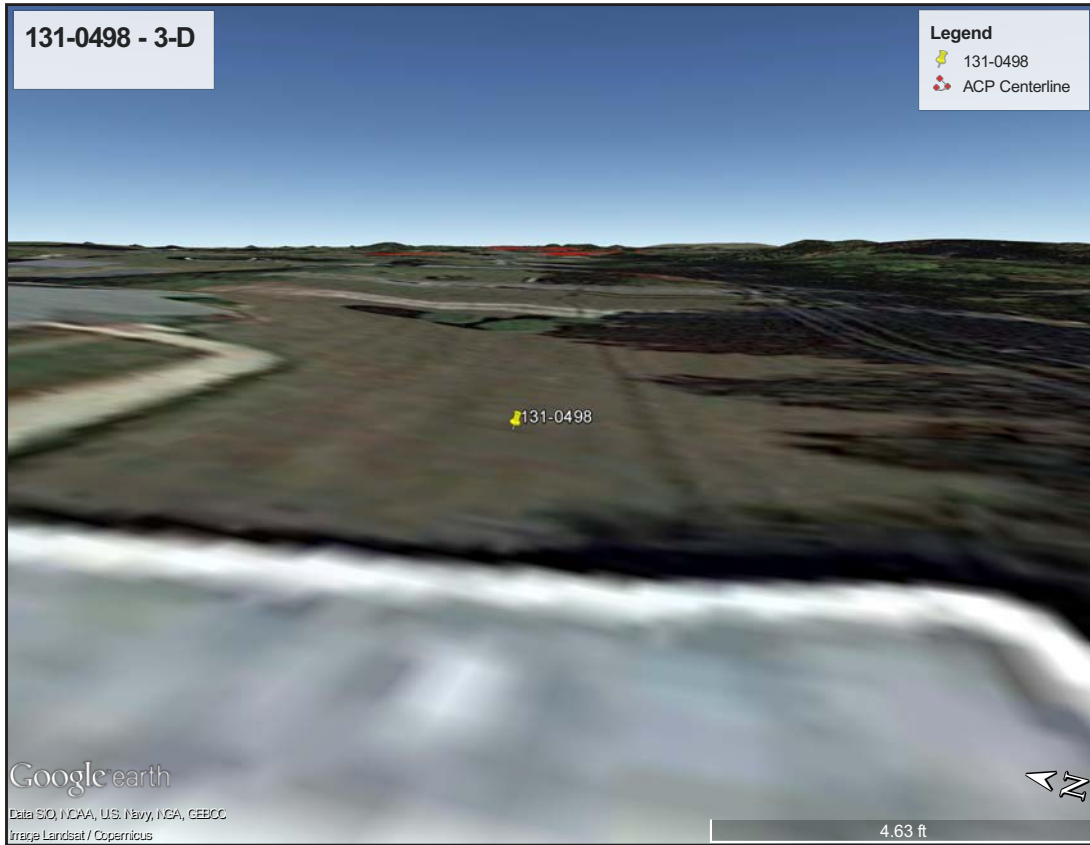


Figure 395. 131-0498 - 3-D View.

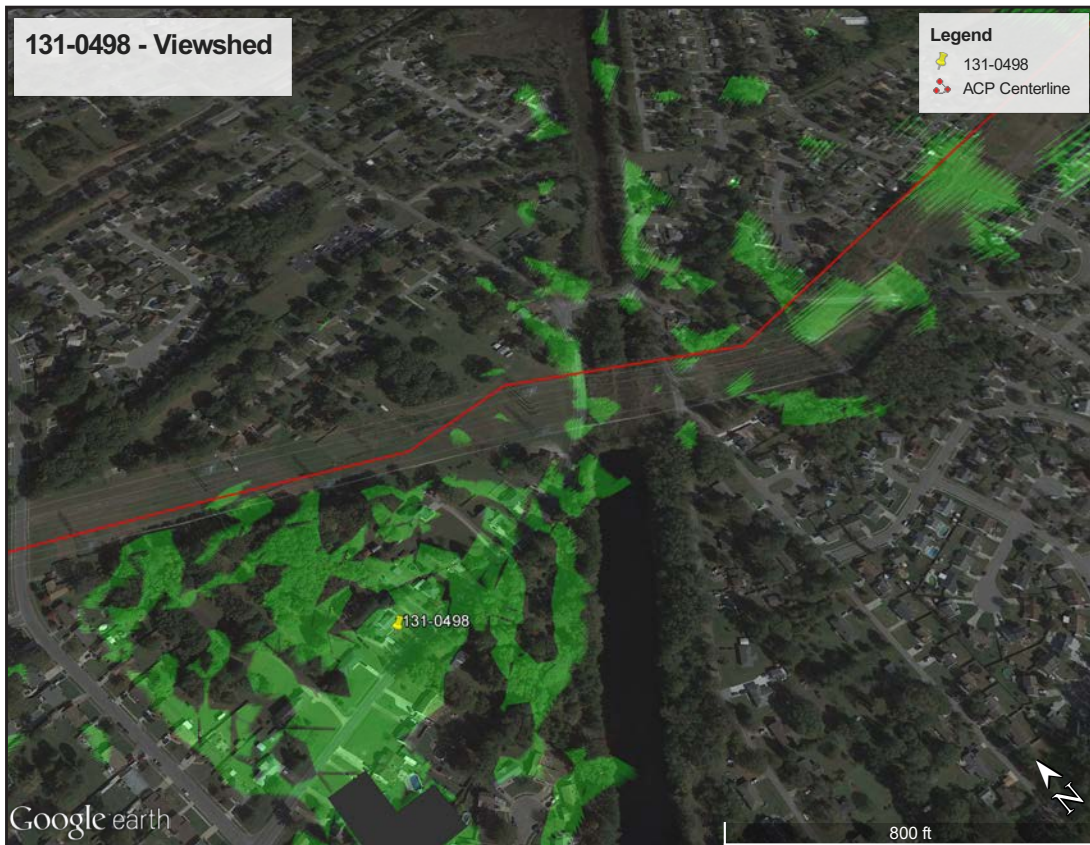


Figure 396. 131-0498 - Viewshed.

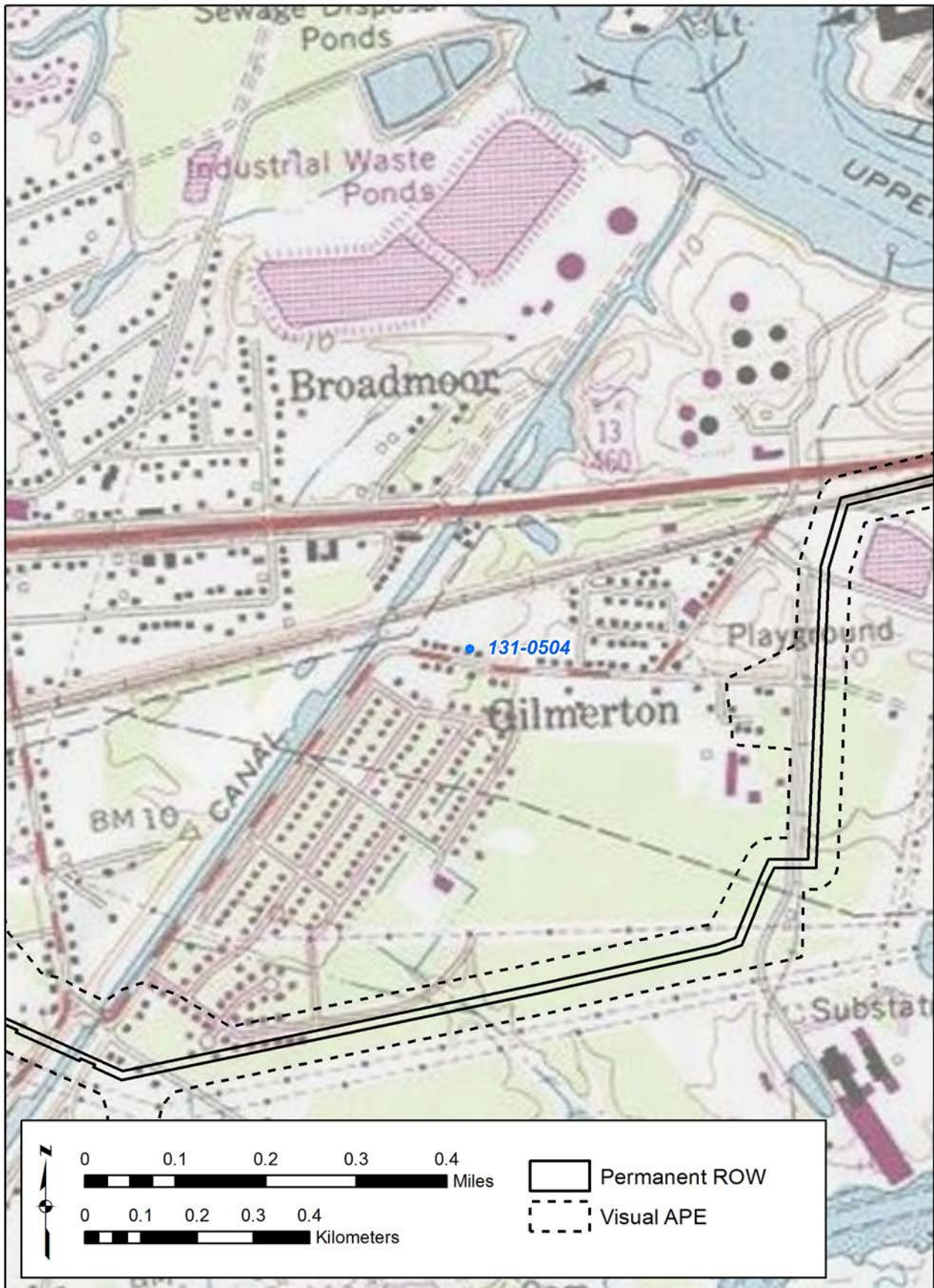


Figure 397. 131-0504 - USGS Quadrangle.



Figure 398. 131-0504 - Aerial.



Figure 399. 131-0504 - 3-D View.



Figure 400. 131-0504 - Viewshed.

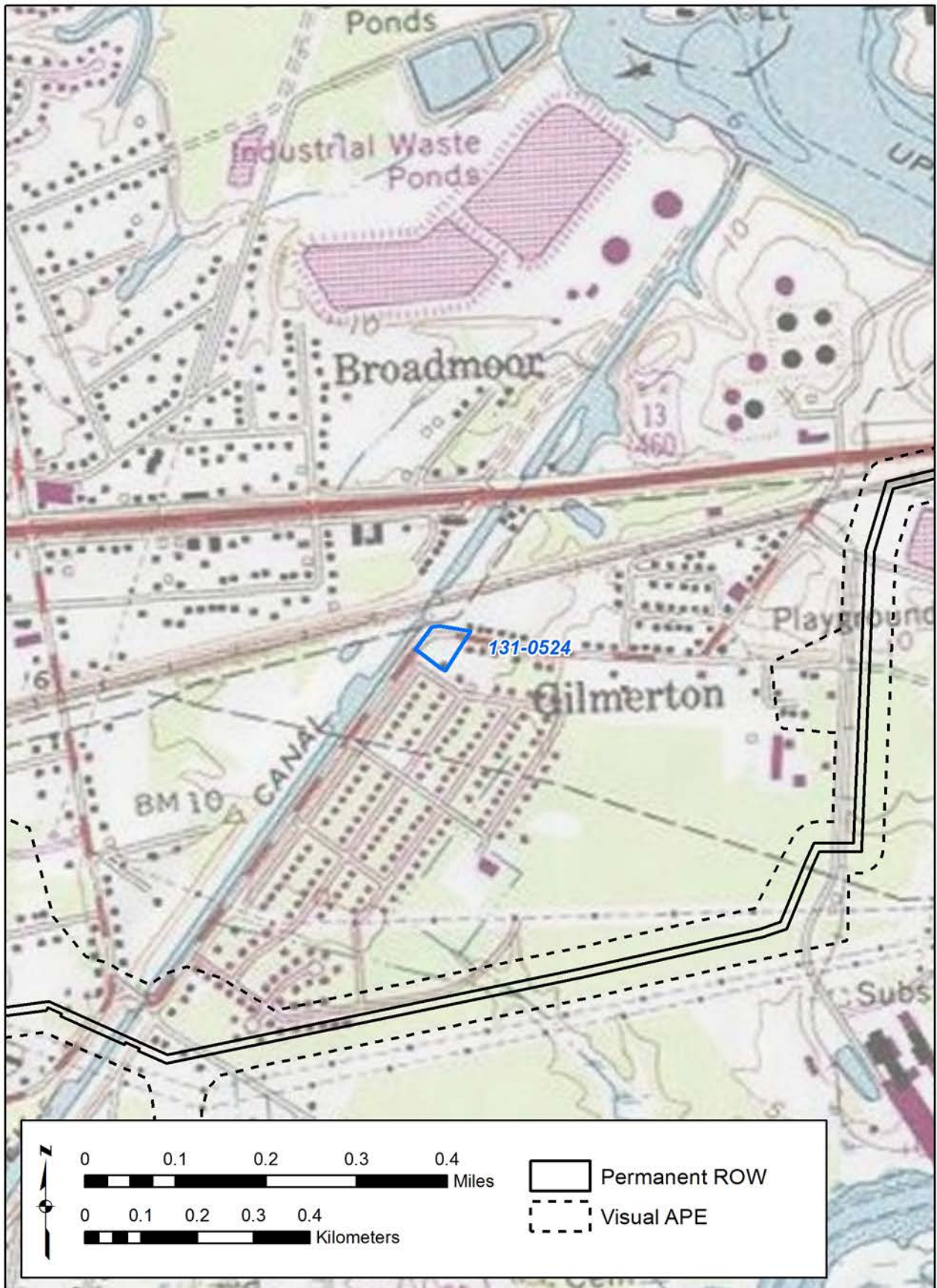


Figure 401. 131-0524 - USGS Quadrangle.



Figure 402. 131-0524 - Aerial.



Figure 403. 131-0524 - 3-D View.



Figure 404. 131-0524 - Viewshed.

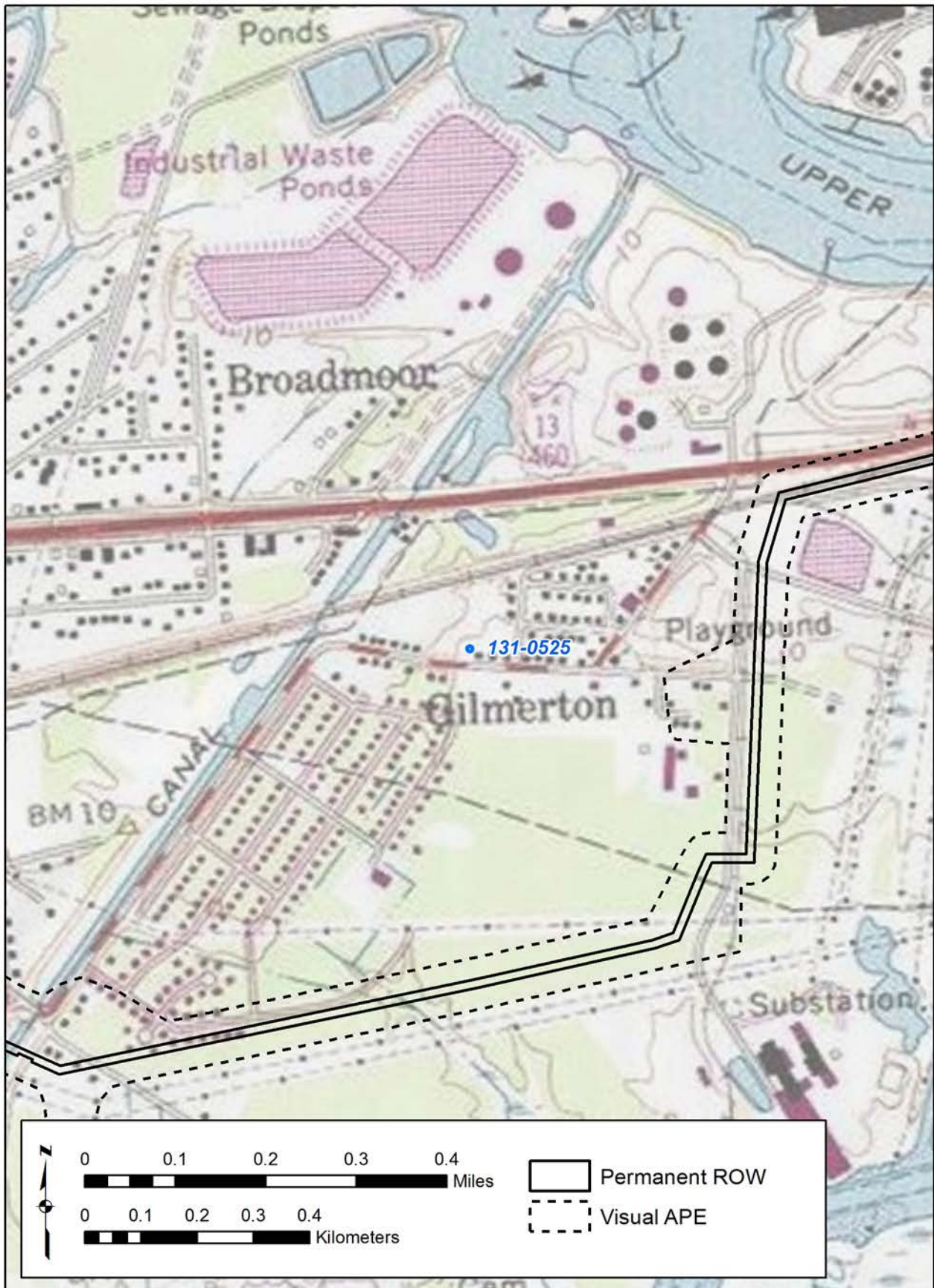


Figure 405. 131-0525 - USGS Quadrangle.



Figure 406. 131-0525 - Aerial.



Figure 407. 131-0525 - 3-D View.



Figure 408. 131-0525 - Viewshed.