



NO ARCHAEOLOGICAL SURVEY REQUIRED FORM

This form only pertains to ARCHAEOLOGICAL RESOURCES for this project. It is not valid for Historic Architecture and Landscapes. You must consult separately with the Historic Architecture and Landscapes Group.



PROJECT INFORMATION

Project No: 430326 County: Haywood
 WBS No: 17BP.14.R.99 Document: MCS
 F.A. No: n/a Funding: ☒ State ☐ Federal

Federal Permit Required? ☒ Yes ☐ No Permit Type: NWP3, NWP14, TVA

Project Description: *This project proposes to replace Bridge No. 326, which carries SR1318 (Hemphill Rd) over Hemphill Creek in Haywood County, North Carolina. According to the environmental input request, the undertaking involves the in-place replacement of the structure along the existing alignment, thereby minimizing potential surface and subsurface disturbances at this location. An off-site detour route is anticipated. The archaeological Area of Potential Effects (APE) is centered upon Bridge 326 and measures 600ft in length (300ft from each bridge end-point) and 150ft in width (75ft from each side of the SR1318 center-line).*

SUMMARY OF CULTURAL RESOURCES REVIEW

Brief description of review activities, results of review, and conclusions:

The project area is located in the west-central portion of the county, directly south of the Cataloochee Divide, several miles north of Maggie Valley, and a short distance from the Swain county border. Hemphill Creek, included within the French Broad River Drainage Basin, constitutes a second order stream flowing west to east through the project area. It empties into Jonathan Creek near the US276/SR1318 junction. A strongly sloping topography characterizes the majority of the APE and surrounding area.

A map review and site file search was conducted at the Office of State Archaeology (OSA) on Tuesday, August 20, 2013. This work disclosed the location of four prehistoric archaeological sites (31HW198, 31HW202 – 31HW204) situated along Hemphill Road to the east of the proposed bridge replacement. Recorded by Bass (1975) during his survey of the Great Smoky Mountains, the sites contained surface debris representative of multi-component occupations spanning the Archaic and Woodland periods. Midden deposits were noted at three of the archaeological sites. Clearly, prehistoric settlement was focused along level, well-drained terraces in the less restrictive stream valleys. These areas would have been highly prized and returned to often, offering respite from the unforbidding and sloping terrain surrounding. Based on this information, the small Hemphill Creek stream valley was occupied throughout much of prehistory. Therefore, the potential of documenting additional archaeological sites or isolated artifact finds in the vicinity of the Bridge 326 APE is considered moderate.

An inspection of National Register of Historic Places (NRHP), State Study Listed (SL), Locally Designated (LD), Determined Eligible (DE), and Surveyed Site (SS) properties employing resources available on the NCSHPO website concluded that none of the above designated property types were located within or adjacent to the project area. Historic maps of Haywood County were also appraised for evidence of former structure locations, land use patterns, of other confirmation of historic occupation at this locale. In general, this work established that no existing NRHP listed properties, archaeological sites, or cemeteries will be impacted by the proposed construction project.

Further, topographic, geologic, environmental, and NRCS soil survey maps (WoD, SoF) were referenced to evaluate ecological, geomorphological, hydrological, and other elements that may have resulted in past occupation at this location. Construction design data was examined for determination of the potential impacts to the ground

surfaces. Aerial photographs (NCDOT Spatial Data Viewer) and the Google Street View map application (when amenable) were also examined/utilized for additional assessment of hydrological, agricultural, modern earth-moving, and other erosive disturbances that may typify the APE.

Brief Explanation of why the available information provides a reliable basis for reasonably predicting that there are no unidentified historic properties in the APE:

The project APE contains no NRHP listed historic properties, previously documented archaeological sites, or cemeteries. Predicated on soil and topographic data, together with aerial imagery and images viewed via the Google street view map application, the Bridge No. 326 APE contains no potential for the documentation of significant NRHP eligible archaeological resources. The project ground surfaces that constitute the APE, as well as those adjacent lands, are characterized by a cut hillside to the west of SR1318 and extreme slope to the east. No habitable, well-drained landforms are situated within the project limits.

Since the bridge replacement is diminutive in scope and proposes no alteration of undisturbed ground areas, meaningful archaeological sites/deposits will not be affected by the project. No further archaeological input or work will be necessary for this state-funded NCDOT bridge replacement project.

Bass, Q.R.

1975 Prehistoric Settlement and Subsistence Patterns in the Great Smoky Mountains.

SUPPORT DOCUMENTATION

See attached: ☒ Map(s) ☒ Previous Survey Info ☒ Photos ☐ Correspondence
☐ Photocopy of County Survey Notes Other:

FINDING BY NCDOT ARCHAEOLOGIST

NO ARCHAEOLOGY SURVEY REQUIRED

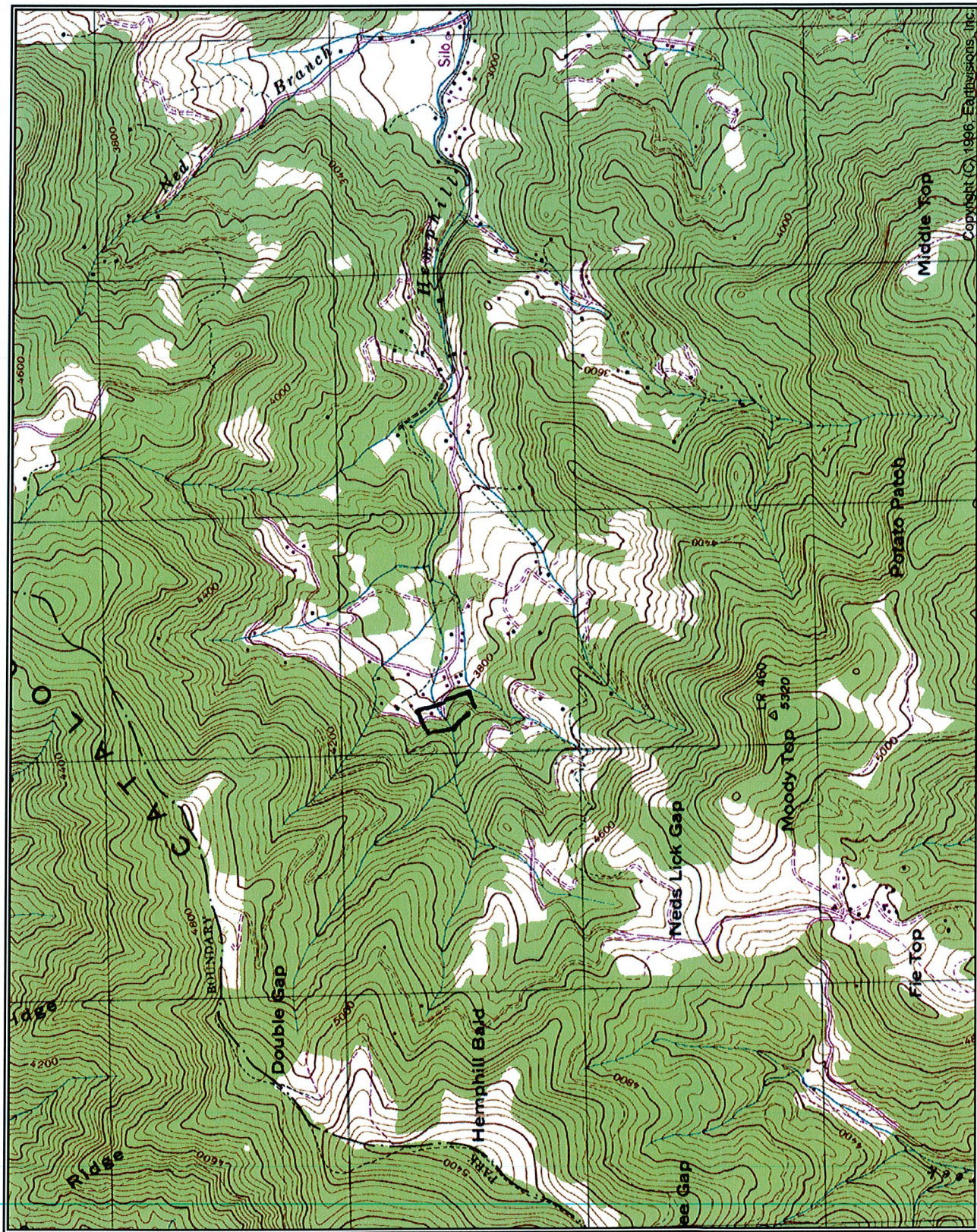

NCDOT

8/21/2013

Topographic map of the Catalina Mountains area in Arizona. The map displays contour lines indicating elevation, with major peaks like Hemphill Bald and Moody Top. Key features include Double Gap, Neds Lick Gap, and the Catalina Mountains. Roads are shown, including SR 137, SR 138, SR 139, and SR 136. The map includes a compass rose, a scale bar (0 to 401m), and a grid. The SDV logo is in the top right corner.

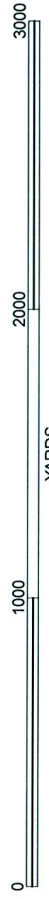
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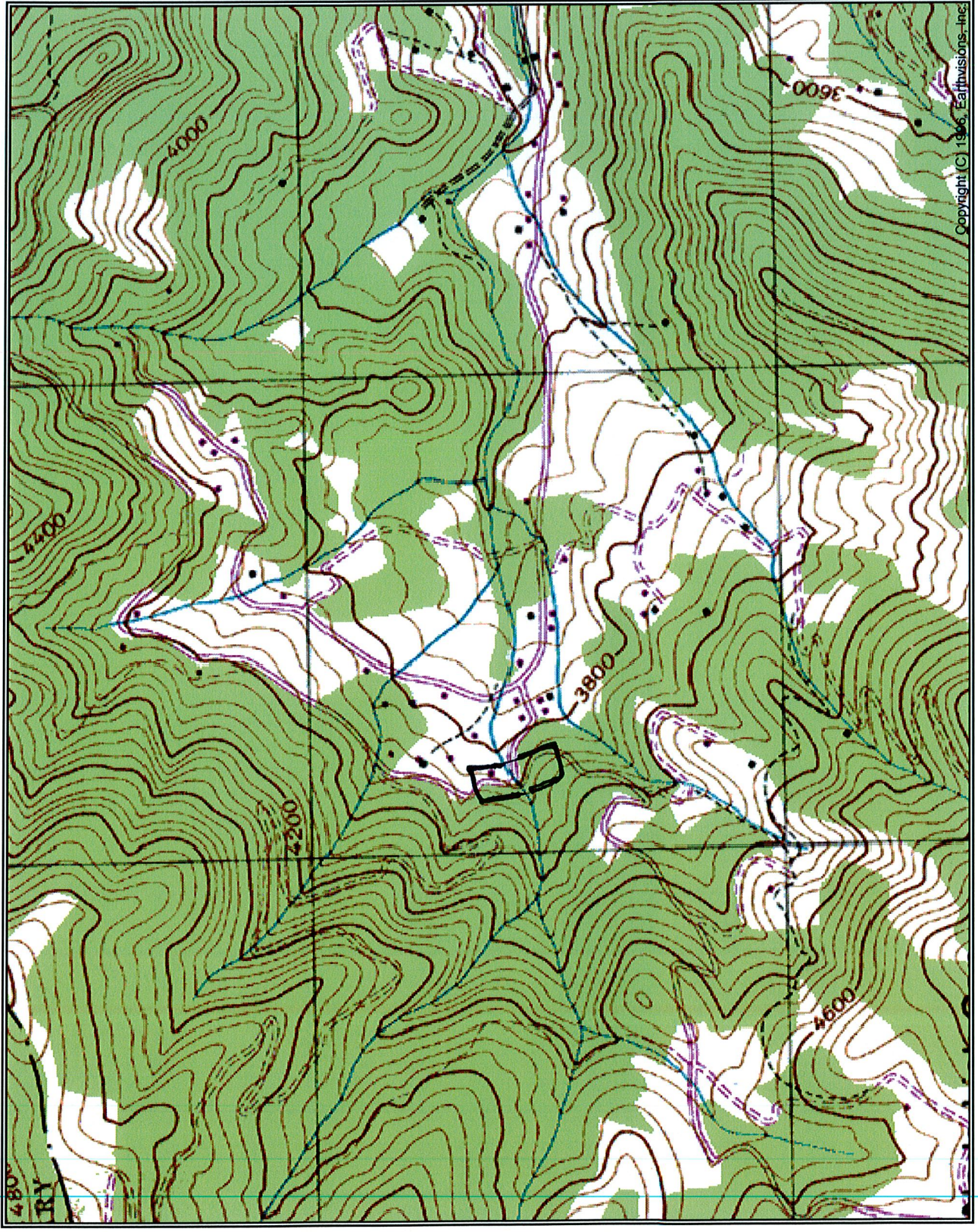
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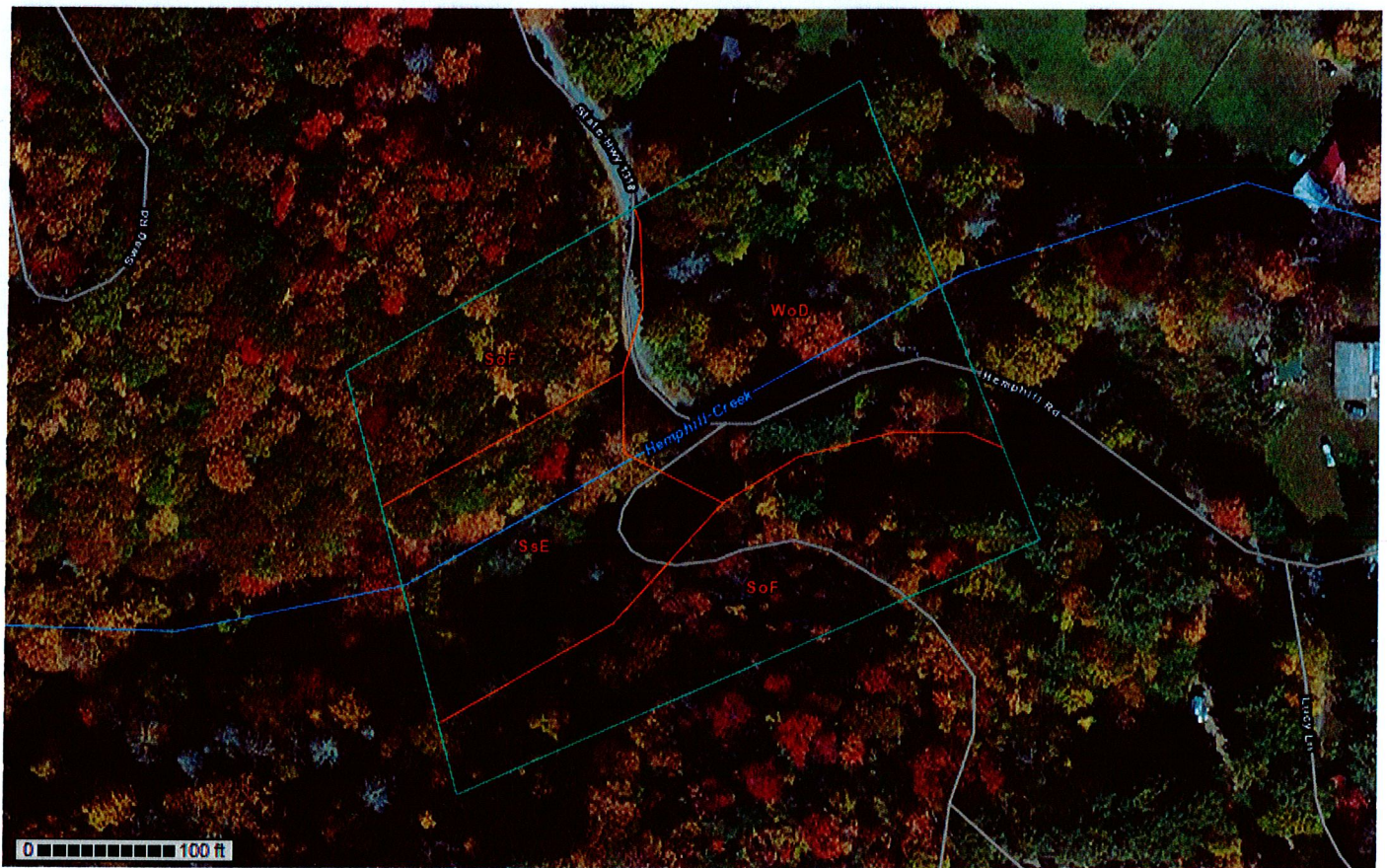


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SCALE 1:24000







WoD—Whiteoak cobbly loam, 15 to 30 percent slopes, stony

Map Unit Setting

- *Elevation:* 2,000 to 3,500 feet
- *Mean annual precipitation:* 40 to 60 inches
- *Mean annual air temperature:* 46 to 57 degrees F
- *Frost-free period:* 100 to 150 days

Map Unit Composition

- *Whiteoak, stony, and similar soils:* 85 percent

Description of Whiteoak, Stony

Setting

- *Landform:* Fans on mountain slopes, drainageways on mountain slopes, coves on mountain slopes
- *Landform position (two-dimensional):* Footslope, toeslope
- *Landform position (three-dimensional):* Lower third of mountainflank, base slope
- *Down-slope shape:* Concave
- *Across-slope shape:* Concave
- *Parent material:* Colluvium derived from arkose and/or graywacke and/or metaconglomerate and/or metaquartzite

Properties and qualities

- *Slope:* 15 to 30 percent
- *Surface area covered with cobbles, stones or boulders:* 0.1 percent
- *Depth to restrictive feature:* More than 80 inches
- *Drainage class:* Well drained
- *Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.57 to 1.98 in/hr)
- *Depth to water table:* More than 80 inches
- *Frequency of flooding:* None
- *Frequency of ponding:* None
- *Available water capacity:* Moderate (about 8.1 inches)

Interpretive groups

- *Farmland classification:* Farmland of local importance
- *Land capability (nonirrigated):* 4e
- *Hydrologic Soil Group:* B

Typical profile

- *0 to 9 inches:* Cobbly loam
 - *9 to 23 inches:* Loam
 - *23 to 34 inches:* Channery loam
 - *34 to 80 inches:* Very flaggy loam
-

SoF—Soco-Stecoah complex, 50 to 95 percent slopes**Map Unit Setting**

- *Elevation:* 1,390 to 4,560 feet
- *Mean annual precipitation:* 54 to 68 inches
- *Mean annual air temperature:* 46 to 57 degrees F
- *Frost-free period:* 100 to 176 days

Map Unit Composition

- *Soco, stony, and similar soils:* 45 percent
- *Stecoah, stony, and similar soils:* 35 percent
- *Minor components:* 20 percent

Description of Soco, Stony**Setting**

- *Landform:* Mountain slopes
- *Landform position (two-dimensional):* Backslope
- *Landform position (three-dimensional):* Mountainflank, side slope
- *Down-slope shape:* Convex
- *Across-slope shape:* Linear
- *Parent material:* Residuum weathered from metaconglomerate and/or meta graywacke and/or meta sandstone that is affected by soil creep in the upper solum

Properties and qualities

- *Slope:* 50 to 95 percent
- *Surface area covered with cobbles, stones or boulders:* 0.1 percent
- *Depth to restrictive feature:* 20 to 40 inches to paralithic bedrock
- *Drainage class:* Well drained
- *Capacity of the most limiting layer to transmit water (Ksat):* Moderately high (0.20 to 0.57 in/hr)
- *Depth to water table:* More than 80 inches
- *Frequency of flooding:* None
- *Frequency of ponding:* None
- *Available water capacity:* Low (about 5.1 inches)

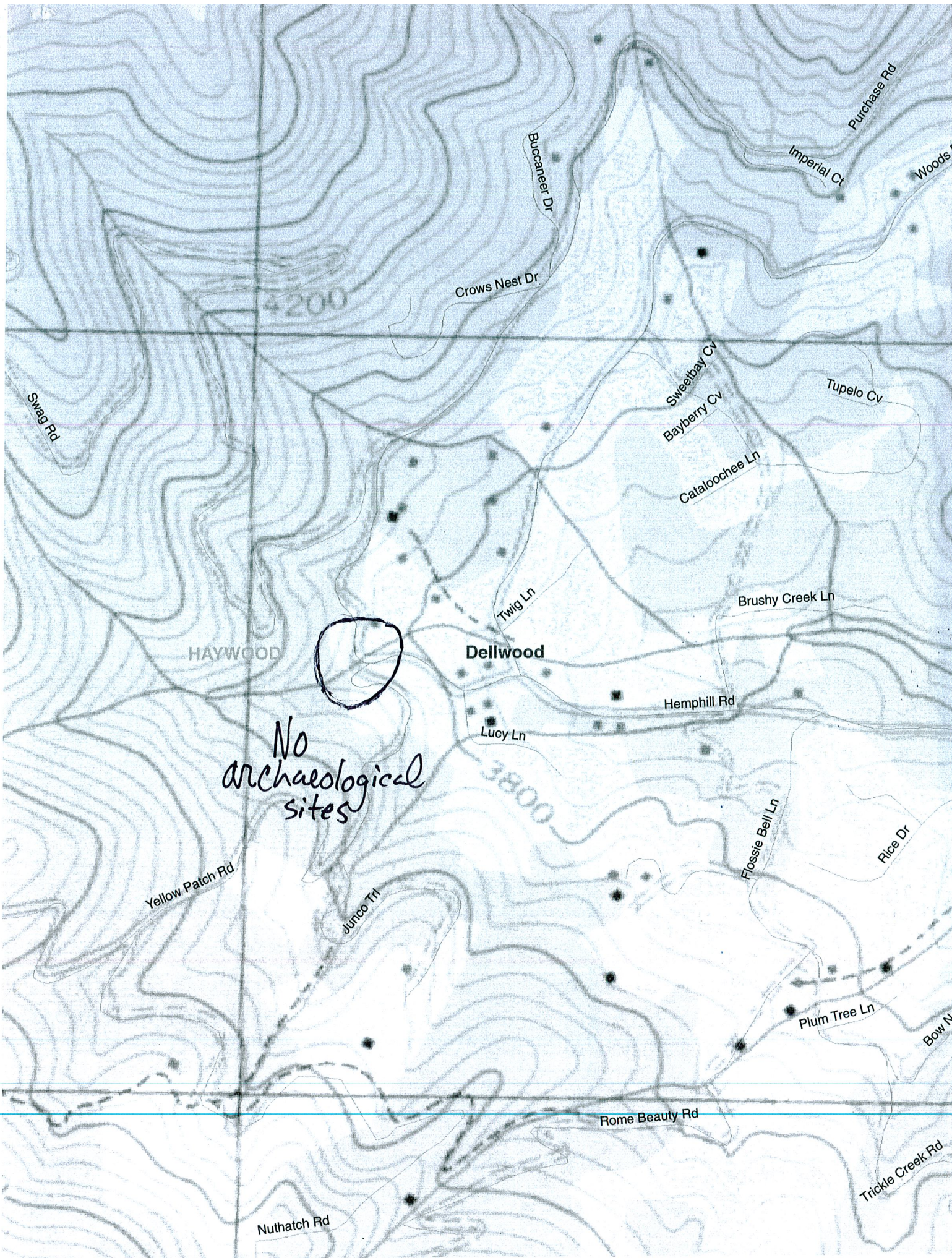
Interpretive groups

- *Farmland classification:* Not prime farmland
- *Land capability (nonirrigated):* 7e
- *Hydrologic Soil Group:* B

Typical profile

- *0 to 5 inches:* Channery fine sandy loam
 - *5 to 24 inches:* Fine sandy loam
 - *24 to 35 inches:* Channery fine sandy loam
 - *35 to 80 inches:* Weathered bedrock
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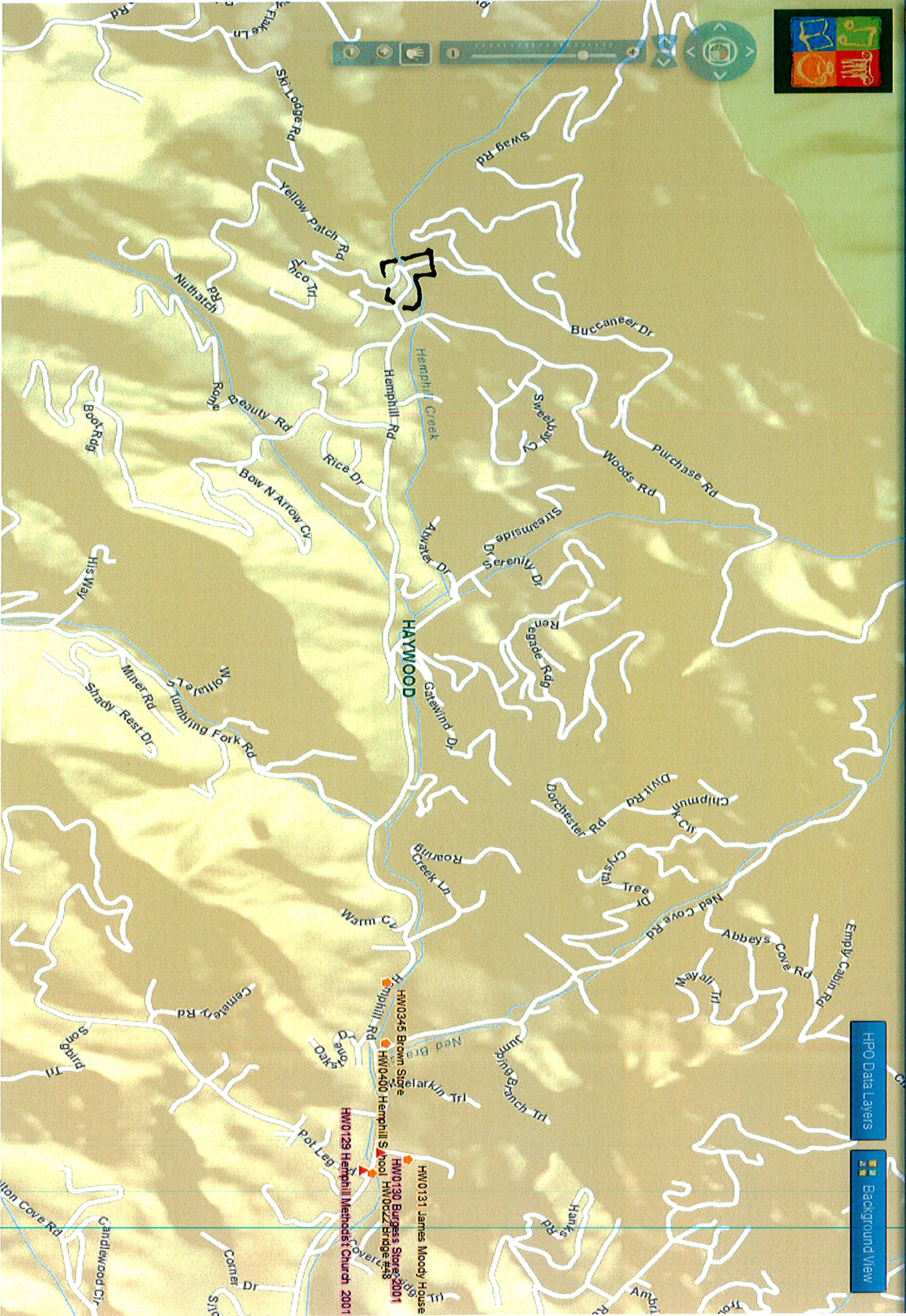






HPOM Data Layers

Background View







**REQUEST FOR CULTURAL
RESOURCES REVIEW FORM**

13-08-0038

MEMORANDUM TO: Drew Joyner, Human Environment Unit
1598 Mail Service Center, Raleigh, NC 27699-1598

ATTENTION: Matt Wilkerson, Archaeology Supervisor
Mary Pope Furr, Historic Architecture Supervisor

FROM: Pamela R. Williams
Priority Projects Engineer

SUBJECT: Request for Cultural Resources Review

DATE: August 9, 2013

**PROJECT INFORMATION**

Project No: Str. # **430326** *County:* **HAYWOOD**
LIBR data Sheet (PCE) or

WBS No: **17BP.14.R.99** *Document:* Minimum Criteria checklist

F.A. No: N/A *Funding:* ☒ State ☐ Federal

USGS Quad: Dellwood

Project Description: **REPLACE BRIDGE NO. 430326 OVER HEMPHILL CREEK ON SR1318 (Hemphill Rd)**
Replace structure at existing location. Area of potential effects is 75' either side from the centerline of the roadway/bridge and 300' from either end of the bridge.

Purpose & Need: Bridge is in poor condition and selected to be replaced under the State Funded Bridge Replacement Program-Design-Build Year 3 Express Design-Build.

SCHEDULING AND CONTACT INFORMATION

Date Needed: September 9, 2013

Engineer: Pam Williams *Tel* 919-707-6608 *Email* prwilliams@ncdot.gov

DESIGN INFORMATION

Project Length: **Approximately 500 feet**

Exist. R/W: 60 feet or from ditch line to ditch line maintained *Proposed R/W:* Yes but will Vary

Exist. Speed Limit: N/A *Proposed Speed Limit:* N/A

Exist. X-Section: One lane in each direction

Detour Route: Off-Site

Structure Type: Bridge *Year Built:* **1954**