



Fred D. Smith Soil Scientist

May 27, 2025

Ben Legg
BHL Group
977 Seminole Trail #292
Charlottesville, VA 22901

Subject: Preliminary Soil Suitability for Conventional Septic Systems
Mill Creek Rd., Pin Number 9837505681
Orange County

Dear Mr. Legg:

This letter presents our evaluation results and conclusions regarding soil suitability for septic systems for the above-mentioned parcel.

We were asked to evaluate the soils on the above-mentioned parcel and to provide you with soil and septic suitability information. You provided us with a tax map number and an aerial photograph of the property. The property lines were flagged at the site.

Soil and Site Evaluation

The site and soil were evaluated to observe soil properties, surface features, landscapes, and site parameters. Hand auger borings were used to evaluate soil characteristics in accordance with 15A NCAC 18E (Laws and Rules for Sewage Treatment and Disposal Systems). See the attached map that shows the general location of each boring on a topographic map. It also shows the suitable and unsuitable soil areas and their general locations.

The portion of the tract that was evaluated is a flat linear area with slopes of about 3% to 4% and is moderately wooded.

Suitable

The soils are residual soils formed from the underlying rocks of the Piedmont Region of N.C. They have silty clay loam topsoil and yellowish-brown silty clay and clay subsoils. They have sub-angular blocky structure. They do not have a significant amount of shrink-swell clay mineralogy. They do not have shallow seasonal wetness within 31 inches of the

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FDS4444@REAGAN.COM

surface. They do have saprolite or rock at approximately 31 inches below the surface. These soils are suitable for shallow conventional septic systems.

Unsuitable (US)

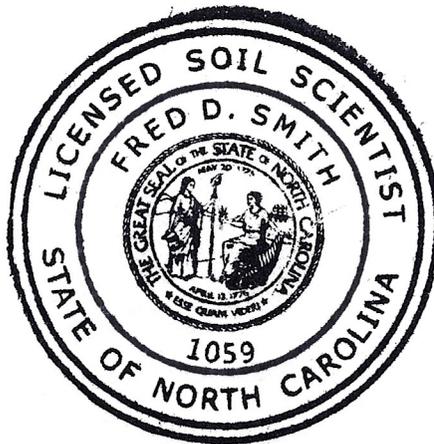
These soils have unsuitable clay mineralogy (expansive) and are considered unsuitable for any type of septic system.

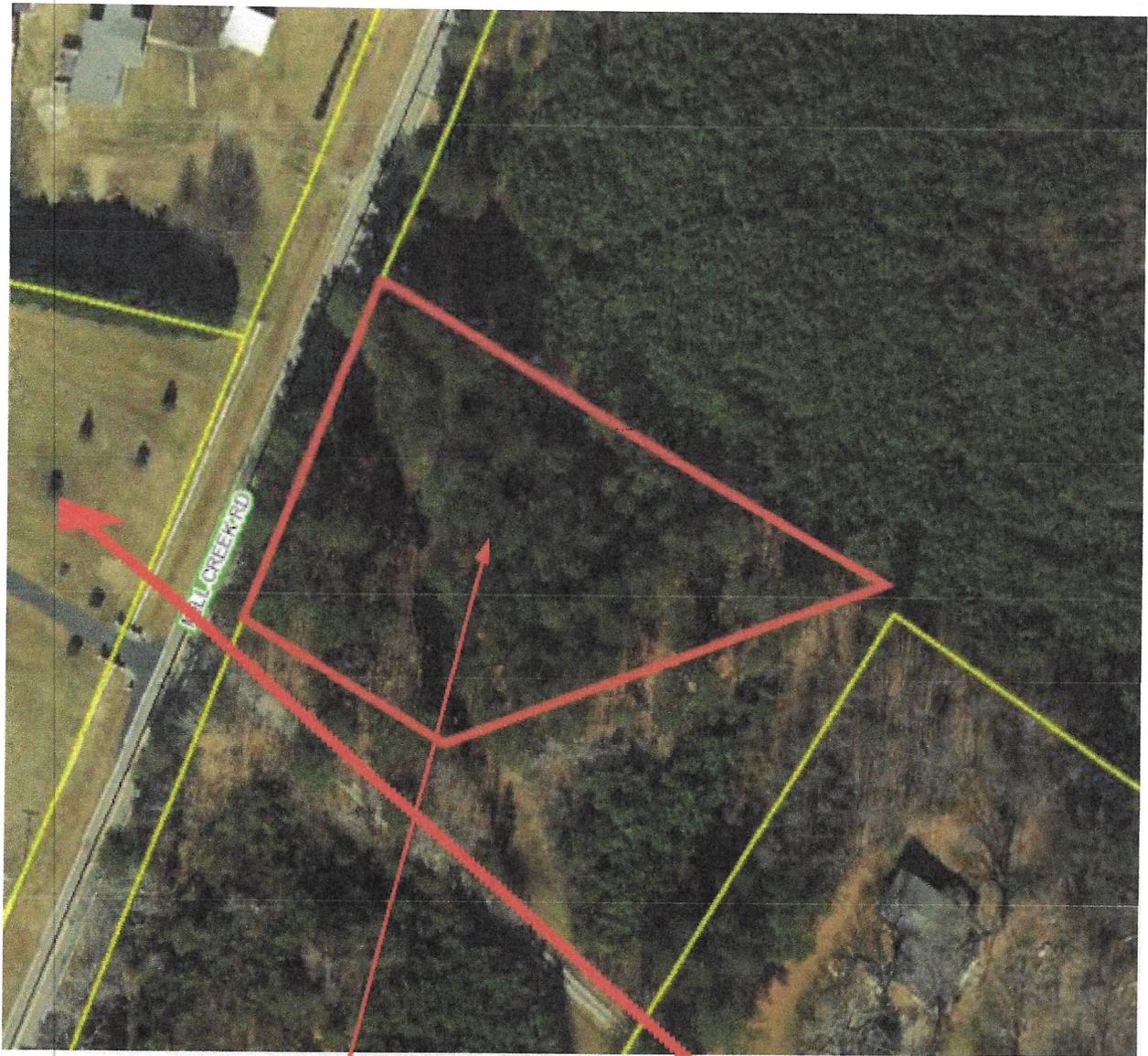
We appreciate the opportunity to work with you on this project. Please contact me with questions or additional information after you have reviewed the information here.

Sincerely,



Fred D. Smith, LSS





Property for Sale:
Tax Map#: 9837-50-5681-000
Acres: 1.20

Approximations based on available public records

Nearest Address:
3602 Mill Creek Road
Efland, NC 27243



700

700

700

700

690

690

690

690

690

Mill Creek Rd

SUITABLE 1

SUITABLE 2

SUITABLE 3

USDA FOREST SERVICE
CAMP 540

1243