

## Fred D. Smith Soil Scientist

October 17, 2021

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

Subject: Preliminary Soil Suitability  
Parcel # 0600314  
Old 125 Rd  
Halifax, NC

Dear Mr. Legg,

This letter presents a preliminary soil evaluation for septic systems. You requested that I provide these soil science services to help with your decisions to purchase the lot and to provide you with soil and septic suitability information.

You provided me with the parcel outlined on an aerial photograph.

### **Soil 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 18A 1900 (Laws and Rules for Sewage Treatment and Disposal Systems).

The USDA Soil Survey Mapping for Halifax County, NC was used to provide soil information and I field checked the soil mapping as described above. I include the mapping with my sketch of the property lines on the soil map.


The soils mapped on the property that will have suitable soil properties for conventional septic designs include Emporia (EmA and EmB), Bonneau (BoB), and Goldsboro (GoA). All of these soil types are found on flat to gently sloping topography and have sandy or loamy textures.

Soils mapped on the property that are not suitable for septic systems are Tomotley (TtA) and Chewacla (ChA). Gritney soils (GyB2) are probably not suitable but will require a more detailed evaluation to determine. The Tomotley and Chewacla soil types are wet and are frequently flooded. The Gritney soil type has a high clay content and sometimes has unsuitable structure and consistence as well as shallow wetness.

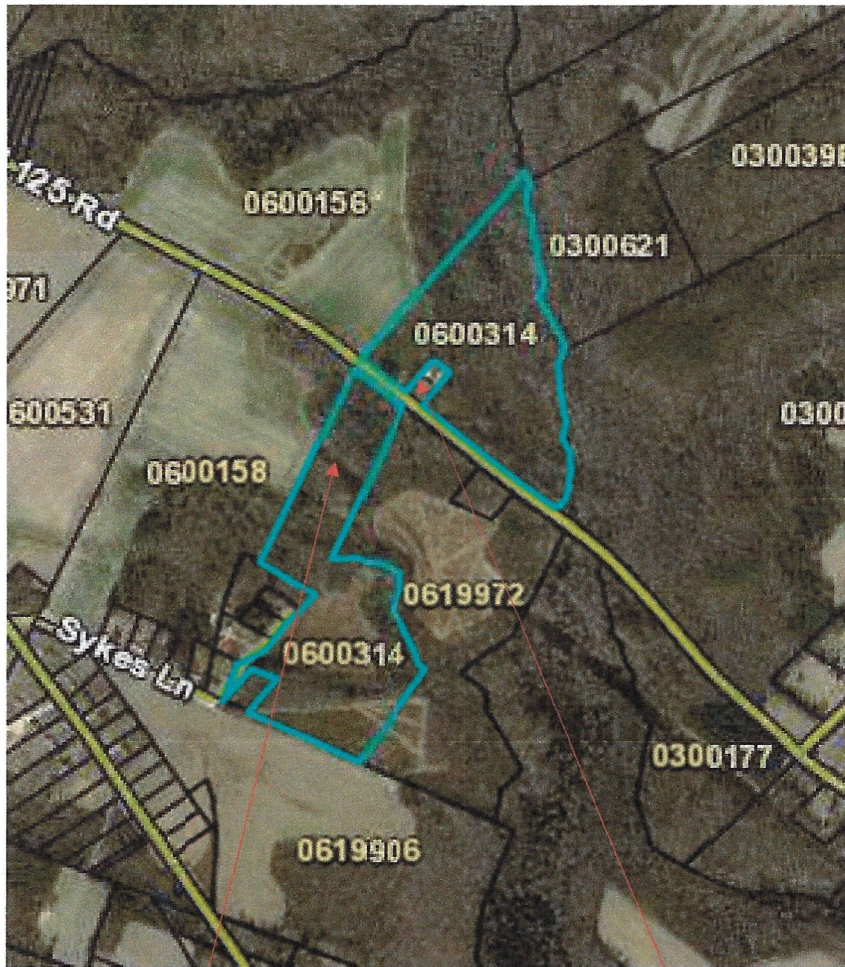
Based on my observations at the site and experience with the suitable soils listed above, I expect that multiple homes can be permitted on the site with proper planning.

I 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



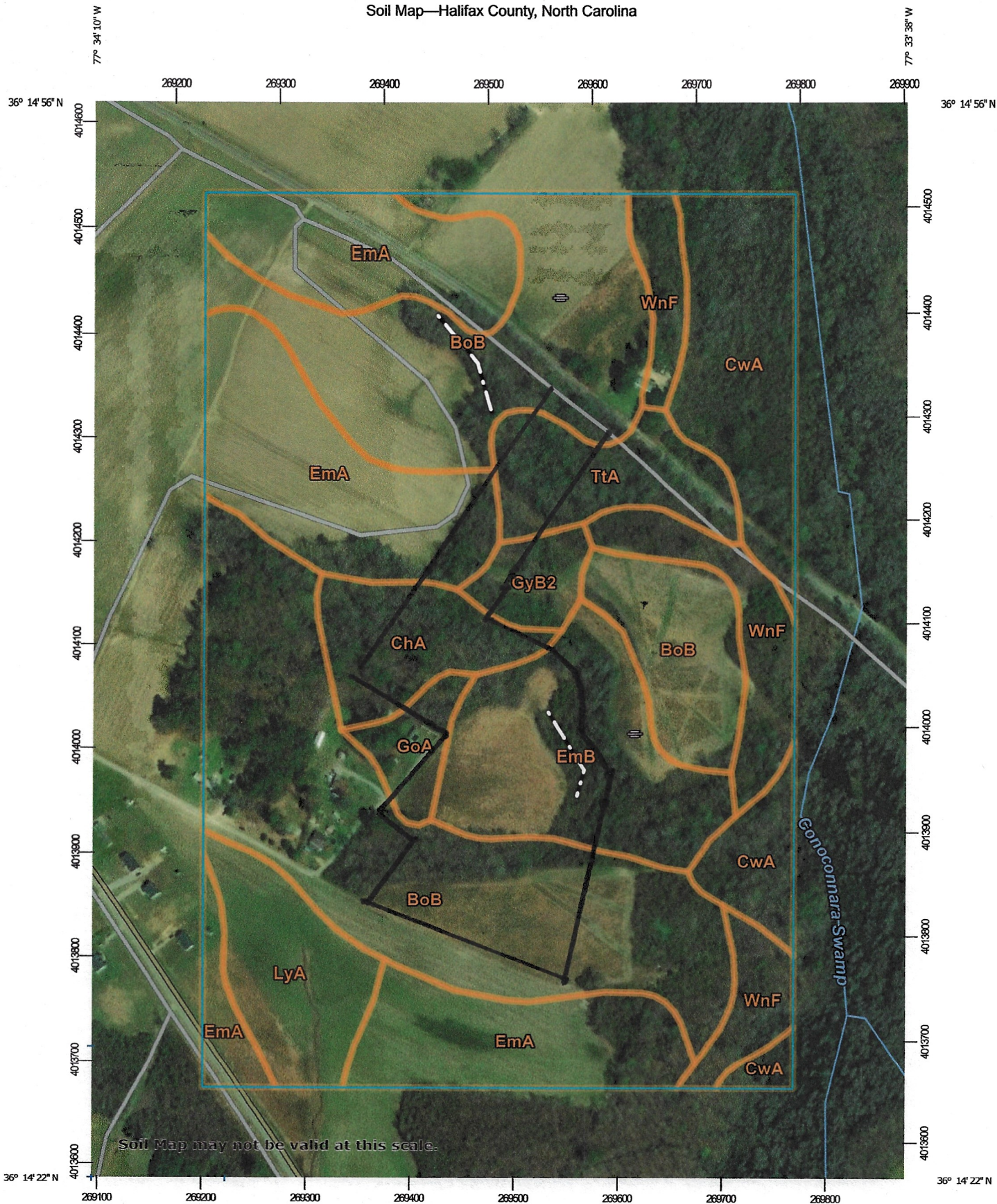


**Property For Sale:**  
**Tax Map #: 600314**  
**38.19 Acres**

\*\*\*Approximations based on available public records\*\*\*

**Nearest Address:**  
843 Old 125 Rd  
Halifax, NC 27839

Soil Map—Halifax County, North Carolina



Soil Map may not be valid at this scale.

