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Harriet Hemphill (tkharr@atmc.net)

**Reference:** 4427 Coward Trail SW, Shallotte, NC 28470, Parcel#230PE00507, Location in Brunswick County, NC.

On Thursday **10-9-2025** I did a Preliminary Site & Soil Evaluation of the above reference properties. In my research, prior to evaluating properties. I discovered on the Brunswick Co. GIS, that the soil described on property are "Pactolus" soil series. The property has a linear sloping landscape position falling mostly from front to back. When facing the property.

The overall soil borings performed in the back left side of property. I found the **Soil Wetness Conditions** by soil color at **30" depth** which is considered **Unsuitable** by the (15A NCAC 18E .0509) Laws & Rules. With that said, the site will need **6-8" of fill** added to make **Suitable** status.

General soil descriptions for the above referenced property has an "Unsuitable" SWC of (**30"**)

Depth:

Sandy, Gray, Light Gray color (**0-12"**)

Sandy, Pale Brown color (**12-24"**)

Sandy, Pale Brown/Yellow (**24-30"**)

Loamy Sand, Yellow/Gray (**30 - 48"**) SWC/Wet

The Site & Soil Descriptions above by the (15A NCAC 18E Wastewater Treatment and Dispersal Systems Laws & Rules) in my professional opinion can support, function or treat a septic system effluent. Whether it is a pump or gravity. No repair septic system is required (**April 29, 1971**).

However, the size of a septic system drain field depends on the number of bedrooms. The back middle & left location evaluated is large enough for a 2-3 Bedroom Home (Panel Block Drain Lines or Bed) septic system w/6-8" of fill.

**Disclaimer:** I did not see or verify neighbors drinking water well locations. Any/All water wells have a minimum 50' setback from any part of a septic system.

If you have any questions/comments, feel free to contact me ASAP.

Sincerely,

  
Eric A. Hill, NCLSS (#1097)

I have a code of professional conduct as a soil scientist in North Carolina to practice and protect the public health, safety, life and welfare. This is the primary obligation to perform my professional duties.

