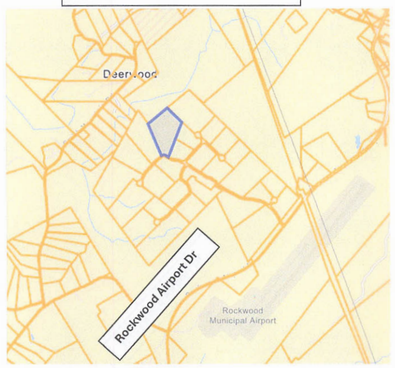
High Intensity Soil Map-Sketch Map

A surveyor was not involved in locating this soil area. All distances, areas, and bearings are approximate by taping. Scale 1" =100'

County: Cumberland
For: Chris Vinson **Contact:** (865) 851-3102
Property: Cornerstone Dr Piney Creek Acres Subdivision Lot 13
Parcel: 120 012.13
Completion Date: 05/01/2026

Vicinity Map | Not to Scale



Soil Map Unit Legend:

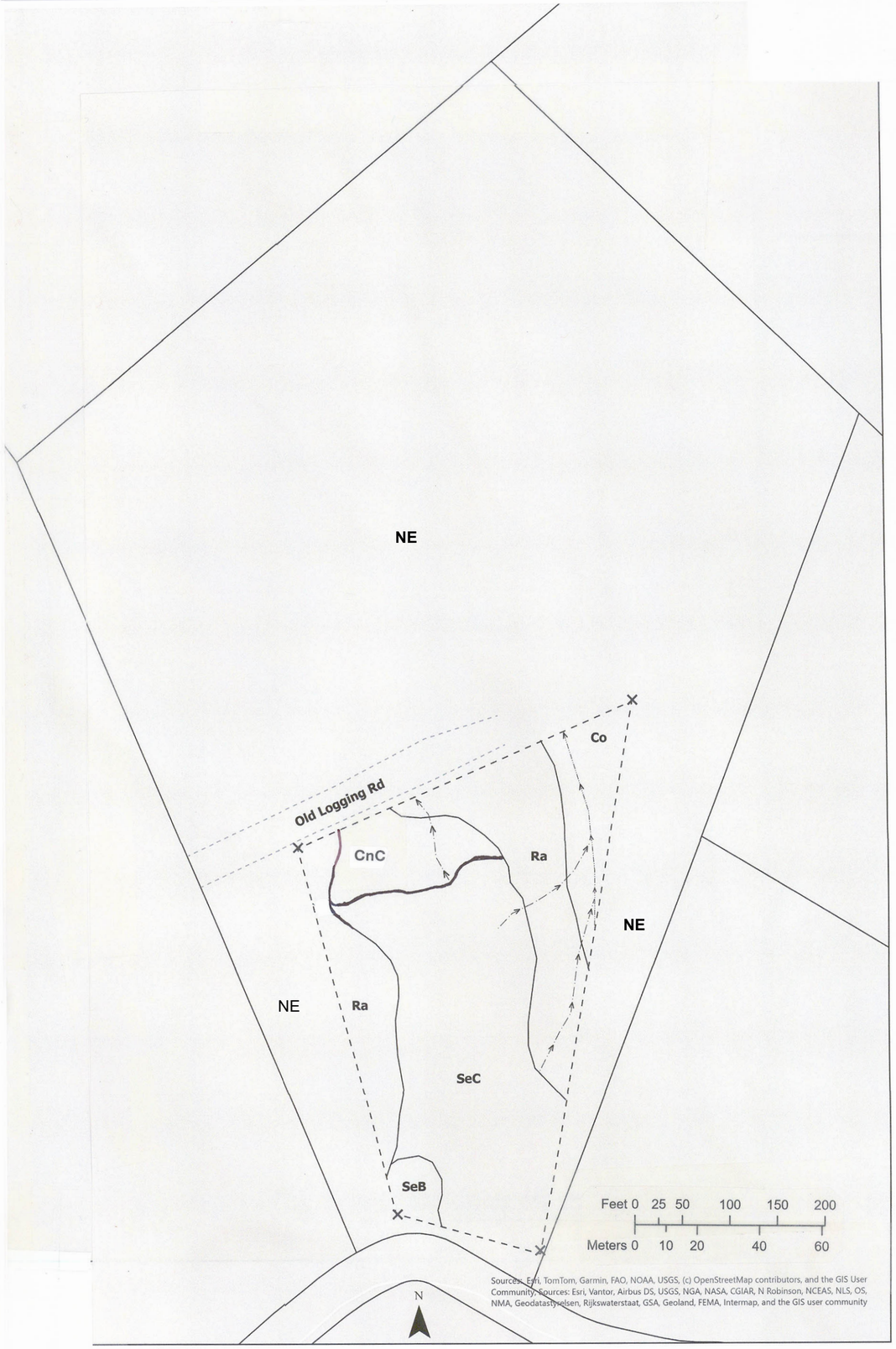
SeB – Sequoia channery silt loam, 0 to 5 percent slopes
SeC – Sequoia channery silt loam, 5 to 15 percent slopes
CnC – Clarkrange silt loam, 5 to 15 percent slopes
RaC – Ramsey fine sandy loam, 5 to 15 percent slopes
NE – Not Evaluated

Map Symbol	Estimated Absorption Rate (MPI)	Depth to Restrictive Layer	Soil Notes and Improvement Practices
SeB	0 – 48 inches = > 75 MPI	Depth to paralithic contact to Shale Cr is 33 inches.	Moderately deep fine textured well-drained soils. **This soil meets the requirements to be evaluated by a percolation test. Depth to paralithic contact to shale CR is 33 inches.**
SeC	0 – 48 inches = > 75 MPI	Depth to paralithic contact to Shale Cr is 33 inches.	Moderately deep fine textured well-drained soils. **This soil meets the requirements to be evaluated by a percolation test. Depth to paralithic contact to shale CR is 33 inches.**
CnC	0 – 48 inches =>75 MPI	Depth to Fragic properties (areas of brittleness) is 35 inches.	Deep and very deep, moderately well-drained soils. Observed Fragic properties (areas of brittleness) 35 inches. Contact to soft shale or sandstone bedrock ranges from 42 to 48 inches. ***Without soil improvement practices this unit is rated >75 MPI due to wetness.*** ***Soil Improvement Practice - Interceptor drain is required. Install interceptor drain 15 ft upslope of SSDS 36-inch minimum depth. A positive outlet is required.***
RaC	0 – 48 inches = 75 MPI	Depth to indurated sandstone bedrock is 13 inches.	Shallow, loamy-skeletal soils. **Depth to indurated sandstone bedrock is 13 inches. This soil does not meet the requirements to be evaluated by a percolation test due to shallow depth.**
NE	Not Rated		Not Evaluated

Setback from property boundary is 10ft.
Setback from water lines is 15ft.
Setback from two dot drain is 25ft. →••→••
Setback from one dot drain is 15ft. →•→•
Setback from cutbank is 25ft.
The survey base map was resized to 1" =100' scale.
Manage surface water (gutter downspouts) appropriately on all map units.
Soil stakes marked [x]. Leave soil stakes in place until final inspection.

High Intensity Soil Map Competed By:
Signature:

Jennifer Yaeger Mason | Soil Scientist
TN-TERRA Soil and Land Consulting Services
204 Parrot Lane
Clinton, TN 37716
Date: 05/01/2026
Contact:
Phone: 865.356.0593
Email : tnterrasoils@tn-terra.com
Web site : tn-terra.com



Any cutting, filling, or compacting will void this map.
Signature of a soil scientist is no guarantee of a septic permit.
I, Jennifer Yaeger Mason, affirm that this soil map meets the standards established in the Regulations to Govern Subsurface Sewage Disposal, the Soils Handbook, and the Soil Taxonomy. No other warranties are made or implied. This soil map is to evaluate the site for a subsurface sewage disposal system only.
Signature of Soil Consultant does not constitute approval of this map by the Division of Water Resources.