

Microscopic Description : SC-A-1-83

7/26/83

KUS

- 5-10; D Sd: dk yellow or (10YR 6/6); m-cce gr, sbang, mod xrt qtz; abd yellow Fe stn  $\frac{1}{2}$  feld; v rare qtz
- 25-30; D ady Cl: pale rd (10R 6/2); com f-gr qtz  $\frac{1}{2}$  yellow/red Fe stn; inner clr mic
- 70-75; D Sd: mod or pk (10R 7/4); m-cce gr, sbang, mod xrt qtz; com yellow/red Fe stn; mm feld  $\frac{1}{2}$  f clr mic
- 85-90; D aa; w/ deer mic  $\frac{1}{2}$  v lig/woody frag
- 100-105; D Sd: dk yellow or (10YR 6/6); m-cce gr, sbang, mod xrt qtz; com yellow Fe stn  $\frac{1}{2}$  feld; mm rare qtz  $\frac{1}{2}$  f clr mic
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- 45-50; F ady Cl: mod pk (5R 7/4) to graysh or pk (10R 8/2); com f-m gr qtz; qtz pkbl,  $\frac{1}{2}$  f clr mic; mm rare qtz  $\frac{1}{2}$  Fe stn
- 95-100; F clly Sd: mod rdsh or (10R 6/6) to graysh or pk (10R 8/2); com f-m, sbang, mod xrt qtz, com yellow Fe stn; mm feld  $\frac{1}{2}$  f clr mic

SC-A-1-83 Lithology EL. ~300' (described while drilling)	Footage	Drilling Time	Drilling Remarks	Lithology (described from pulled flights)
Orange Sd. aa	0-5 5-10	30 sec aa	Easy aa	Ditch Samp Taken
Gyps on cl Sd	10-15	aa	aa	
Orangeish cl Sd	15-20	aa	aa	
Pinkish cl Sd	20-25	aa	aa	
Pink and white mottled sdy Cl	25-30	aa	aa	Ditch Samp. Taken; water at 30 ft
aa (poor samp. return)	30-35	aa	aa	Return drier
aa	35-40	aa	aa	
Pink cse Sd	40-45	aa	aa	Soupy return
aa	45-50	aa	Harder at 48 ft	aa; Flight samp - pink & white mottled sdy Cl
aa (somewhat coarser)	50-55	aa	Easy	aa, abd; soupy samp return
No Sample Return	55-60	aa	aa	
aa	60-65	aa	aa	
aa	65-70	aa	aa	
Pinkish cse sd	70-75	aa	aa	Ditch Samp. Taken; abd; soupy return
aa, pinker	75-80	aa	aa	aa
aa	80-85	aa	aa	aa
aa, somewhat coarser	85-90	aa	aa	Ditch samp. Taken; less samp. return & less wet.
aa	90-95	aa	aa	Small samp. return
aa, somewhat finer	95-100	aa	aa	Soupy; abd return; flight samp. Taken - pin & white mottled cse sdy cl
Yellow cse sd	100-105	aa	aa	Ditch sample taken; flight samp.
				taken - grey stiff sdy cl w/corn redd qtz pebb
				6/23/83 Begin: 3:00 pm End: 6:30 pm 1 bag cont 1/2 trailer of sand

Microscopic Description (cont.): SC-A-1-83

7/26/83

RUS

100-105; F xy Cl: v pale or (104R 8/2); com fgr  
gtz, wl medd gtz pol,  $\frac{1}{2}$  f'cl  
mic



# North Carolina Department of Natural Resources & Community Development

James B. Hunt, Jr., Governor

Joseph W. Grimsley, Secretary

DIVISION OF  
LAND RESOURCES

Stephen G. Conrad, Director

Telephone 919 733-3833

Dear Mr Deffenbaugh:

The North Carolina Geological Survey Section, Department of Natural Resources and Community Development is drilling a number of shallow auger holes in order to gather information about geologic structure and rock type. This information will be used to construct a new State Geologic Map. One or more desirable sites for auger holes are located either within the highway easement across your property or on your property as indicated on the attached sketch map.

Geological Survey personnel would be drilling 6-inch diameter auger holes not more than 105 feet deep with a truck mounted auger rig and accompanying service truck. In some instances geophysical equipment would be lowered down the hole to gather part of the necessary information. When finished all equipment, material, and structures will be removed, cuttings scattered, and the holes permanently plugged in accordance with state regulations. All work will take from less than one day to not more than one or two days, depending on how many holes we are requesting to drill on your right-of-way or your property.

Please indicate your permission for us to do this work by signing and returning this letter to us.

Respectfully,

CW Hoffman  
Driller-in-Charge

A J Deffenbaugh  
Land Owner (or)  
Person in charge of the land  
6-16-83  
Date

*Drilled 6/23/83; SC-A-1-83*

276-8061

