OWNER: Contractors, Inc.

U. S. Army, Building 1109

DRILLER: Sydnor Pump & Well Co., Inc.

COUNTY: Prince George (Petersburg)

VDMR #970 WWCR#154 TOTAL DEPTH: 302

GEOLOGIC LOG

0-10	Sand and Clay — light-brown, coarse- to fine-grained, angular to rounded, no sorting; fragments of weathered granite, quartz, feldspar, sericite and clay, one fragment road material (black top).
10-20	Sand and Clay — tan, coarse-grained, angular, no sorting, quartz, feldspar, minor muscovite, hornblende, minor rounded quartz sand.
20-30	As above — less sericite and clay.
30-40	As above.
40-45	As above.
45-50	Sand and Clay — medium-gray, coarse-grained, angular, no sorting, quartz, feldspar, minor garnet, epidote, and glauconite.
50-60	Sand — very light-gray and very light-brown, coarse, sub-angular, minor feldspar, muscovite, garnet, and clay.
60-70	As above.
70-80	Gravel and Sand — light-gray, fine pebble to medium sand, angular to subrounded, quartz, feldspar, minor garnet, glauconite, clay, and limonite.
80-90	Sand — light-gray, coarse-to-fine, angular to subangular, quartz, minor feldspar, garnet, clay, and glauconite.
90-100	Sand and Gravel — light-gray, granules to fine sand, quartz, minor feldspar, garnet, glauconite and clay.
100-110	As above — with minor limonite.
100-120	As above — less limonite, few fragments gray rhyolite.
120-127	Gravel — light-tan and light-gray, 3 to 8 mm, angular to subrounded, quartz, feldspar, minor clay; rhyolite fragments.
130-137'6"	As above — slightly coarser.

OWNER: Cor	ntractors, Inc U. S. Army, Building 1109 #970
139	Gravel — light-tan and light-gray, 3 to 8 mm, more angular to subrounded, quartz, feldspar, minor clay; rhyolite fragments.
139-147	Sand - Gravel — tan and medium-gray, minor white, 7 mm pebbles to medium sand, angular to subrounded, quartz, quartzite, feldspar, and rhyolite.
147-160	Sand, Gravel, and Clay — very light-gray, fine pebbles (up to 8 mm) to medium sand, angular, quartz, minor feldspar, very minor muscovite; rhyolite.
160-170	As above — slightly finer, maximum 6 mm.
171	Gravel and Sand — buff, fine pebbles to fine sand, angular to subrounded, quartz, feldspar, minor clay, garnet and muscovite, rhyolite; largest fragments are very angular and may be large pebbles broken by drilling.
170-180	Gravel, Sand, and Clay — buff to light-gray, coarse-to-fine, subangular, quartz, minor feldspar, very minor muscovite, rhyolite.
180-190	As above.
190-200	As above.
200	Gravel — buff and gray, coarse, quartz, minor feldspar, clay; rhyolite.
200-210	Gravel, Sand, and Clay — very light-gray, fine pebbles to medium sand, subangular, quartz, minor feldspar, and rhyolite.
210-220	As above.
227	Gravel — buff, gray and white, fine pebbles (5-10 mm), angular to subrounded, clean quartz, feldspar, rhyolite.
220-230	As above — with medium sand, sericite and clay.
230-240	As above — with angular fragments of coarse pebbles.
240-250	As above — more clay, some ferruginous material.

OWNER: Co	ntractors, Inc U. S. Army, Builfing 1109 #970	
250-260	Gravel and Clay — purple-brown, gray and white, fine pebbles (up to 10 mm) to medium sand in ferruginous varigated clay, minor rhyolite pebbles; partially indurated when dry.	
263-267	As above — less red clay, more sand pebbles (up to 15 mm), porous.	
273-280	Gravel, Sand, and Clay — very light-gray, slightly purple, subangular to subrounded, fine pebbles to medium sand in gray and ferruginous clays.	
280-290	Sandy Clay — medium red-brown; clay, ferruginous with 50% coarse, angular to subrounded sand; quartz, feldspar, relicts, quartzite, rhyolites; partially indurated when dry.	
290-300	As above — lighter color, more sand.	
300-302	No sample.	
	GEOLOGIC SUMMARY	

	ROCK UNIT	TIME ROCK UNIT
0-300	Patuxent	Cretaceous
300-302	No sample	
	The material in these samplesdoes no	ot indicate the time

The material in these samplesdoes not indicate the time degree or rounding or the size of the gravels. The larger pebbles and/or cobbles have been broken into angular fragments by the drill.

Virginia Division of Mineral Resources Hollis N. Walker, Geologist December 9, 1964