(200)
R290
NO.1941
74-1129

74-1129

Table 1 - Analysis of sand and gravel samples, Beltsville Quadrangle, Maryland

Description of Material

1/ Sphericity given in percent for each sieve sample (x used where samples contained too few units to include)

2/ Percent of samples through each sieve

3/ Approximate composition of clay-silt on scale 1-10; estimated from X-ray defraction methods (K-Kaolinite; M-Montmorillonite; I-Illite) (J. W. Hosterman, C. F. Withington Analysts)

4/ FeCg- Iron cemented conglomerate

U.S. Geological Survey
OPEN FILE REPORT
This report is preliminary and has not been reviewed for conformity with Geological Survey standards or nomenclature.

Map No.	Location	Geologic Formation (Symbol)	Description and Thickness of sample	Lithology	Field Sieve Analyses: 2" Angular	2" Subangular	2" Subround	2" Round 1/	1½" Angular	1½" Subangular	1½" Subround	1½" Round 1/	¾" Angular	¾" Subangular	¾" Subround	¾" Round 1/	#4 (4mm) Angular	#4 (4mm) Subangular	#4 (4mm) Subround	#4 (4mm) Round 2/	Laboratory Sieve Analysis: #10	#20	#40	#80	#100	#200	<.200	Clay-silt 3/ Composition from X-ray K	M	I
					100% 4/				96.5% 2/				72.5% 2/				65% 2/				56%	46%	15%	5%	3.8%	2.3%				
1	Muirkirk road, west end, gravel pit	Kps	8-foot channel sample, overlying 2-foot thick clay, white	Quartz Quartzite Sandstone Chert Clay Galls					-	-	x	-	16 5 1	30 23	24 2 Tr	Tr	16 3	30	29 16	2 2								7	0	3
2	South side Swampoodle Road at east edge of quadrangle	Qtu	Random sample in gravel pit	Quartz Quartzite Sandstone Iron conglomerate Clay Galls	96.4%				94.6%				91.0%				80%				No data									
									-	-	x	-	25 6 6 3	30	22 12 6	-	19 2	27 3 1	27 9 2	3 3 3										
3	Branchville, 600' north of L. J. Pipe Co.	Qt	4-foot thick channel sample, gravel pit	Quartz Quartzite Ironstone conglomerate Schist, weathered(?)	100%				93%				89.5%				65%				57%	42%	6%	5%	3.5%	2.3%				
									-	-	x	-	13 6	25 3 1	33 5 Tr	9 3 Tr	No Data											3	1	6
4	North of Van Dusen Road along aqueduct	Kps	8-foot channel sample, gravel pit	Quartz Quartzite Sandstone	100%				99%				87%				54%				51%	41%	20%	5%	4%	2%				
									-	-	100	-	6	34 8	20 24 2	-	10	39 4	38 5 Tr	4 2								6	0	4
5	Top of Hill, Virginia Manor Road 1/4 mi. south of Muirkirk Rd.	Qtu	2-foot channel sample in road cut	Quartz Quartzite Ironstone conglomerate	100%				100%				87.5%				56.5%				50%	45.7%	30.7%	21.7%	17.2%	12.9%				
													14 39 1	7 26	- 12	- -	12 21 3	15 23 -	14 10 1	- - -								1	0	9