(200)
R290
No. 1941

74-1129

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

Table 7 - continued

| Map No. | Location | Geologic Formation (Symbol) | Thickness of sample | Lithology | Field Sieve Analyses | | | | | | | | | | | | | | | Laboratory Sieve Analysis | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 2" 1/ | | | | 1½" 1/ | | | | 3/4" 1/ | | | | #4 1/ | | | | #10 | #20 | #40 | #80 | #100 | #200 | <200 |
| | | | | | Angular | Subangular | Subround | Round | Angular | Subangular | Subround | Round | Angular | Subangular | Subround | Round | Angular | Subangular | Subround | Round | | | | | | | Clay-silt Composition from X-ray: K M I |
| | | | | | 100% | | | | 100% | | | | 83% | | | | 42% | | | | 37.2% | 29.6% | 14.1% | 4.1% | 3.3% | 2.3% | |
| 13 | Muirkirk Rd., north side, west of Virginia Manor Road | Kps | Channel sample 8' thick, overlain by clay | Quartz<br>Quartzite<br>Ironstone<br>Chert | | | | | | | | | 5<br>-<br>4 | 30<br>Tr<br>- | 30<br>16<br>- | 3<br>12<br>- | 12<br>-<br>- | 24<br>-<br>- | 50<br>10<br>- | 5<br>Tr<br>- | | | | | | | 7 0 3 |
| | | | | | 100% | | | | 92.5% | | | | 66.5% | | | | 22% | | | | No date | | | | | | |
| 14 | Bear Creek, south side; first pit west of Contee Road | Kps | Channel sample 10 ft | Quartz<br>Quartzite<br>Chert | -<br>- | x<br>x | x<br>- | x<br>- | -<br>2<br>Tr | 49<br>12 | 14<br>17 | -<br>4 | -<br>- | 58<br>- | 16<br>19 | 6<br>- | No data | | | | | | | | | | |
| | | | | | 100% | | | | 98% | | | | 72% | | | | 22% | | | | 47.8% | 10.7% | 3.9% | 0.7% | 0.4% | 0.2% | |
| 15 | Green Castle Road 1/2 mi. west of Gunpowder Road | Kps | Channel sample 10 feet | Quartz<br>Quartzite | | | | | x<br>- | x<br>- | -<br>x | -<br>- | 19<br>- | 43<br>8 | 12<br>15 | -<br>2 | No data | | | | | | | | | | 7 0 3 |
| | | | | | 100% | | | | 97% | | | | 75% | | | | 22% | | | | No data | | | | | | |
| 16 | Top of hill 100' north of Muirkirk road just beyond last house on west end | Kps | Grab sample - surface | Quartz<br>Quartzite<br>Ironstone | | | | | - | - | x | - | 18<br>-<br>- | 25<br>6<br>- | 26<br>21<br>1 | -<br>3<br>- | No data | | | | Very fine silty sand, dark brown; organic material | | | | | | |
| | | | | | No samples taken | | | | | | | | | | | | | | | | | | | | | | |
| 17 | Top of hill 1/2 mi. south east of Cedarcroft Sanitarium | Tos | Pebble count only | Quartz<br>Quartzite<br>Sandstone | Tr<br>-<br>Tr | 22<br>Tr<br>8 | 21<br>9<br>23 | -<br>-<br>3 | -<br>-<br>- | 30<br>-<br>- | 40<br>9<br>21 | -<br>-<br>- | 15<br>-<br>3 | 31<br>9<br>- | 35<br>6<br>- | -<br>-<br>- | No data | | | | Fines mostly red clay | | | | | | |
| | | | | | 100% | | | | 98% | | | | 88% | | | | 52% | | | | | | | | | | |
| 17a | Same | Kps | 12" thick channel sample just below #17 | Quartz<br>Quartzite<br>Sandstone | | | | | -<br>- | -<br>- | x<br>- | -<br>- | 3<br>-<br>- | 32<br>5<br>2 | 36<br>3<br>11 | -<br>-<br>2 | 6 | 24<br>2 | 46<br>4<br>18 | -<br>-<br>4 | | | | | | | |
| | | | | | 100% | | | | 98% | | | | 92% | | | | 65% | | | | 63.2% | 61.8% | 8.9% | 3.4% | 3.6% | 1.0% | |
| 18 | West of Greenbelt school | Tbs | 10-foot thick sample | Quartz<br>Quartzite<br>Siltstone | | | | | -<br>-<br>- | x<br>-<br>- | x<br>x<br>- | -<br>-<br>- | 20 | 20 | 20<br>8<br>- | 7<br>20<br>5 | 8 | 75 | 2<br>2<br>- | -<br>10<br>2 | Fines yellow sand, subangular, medium-fine grained | | | | | | 6 0 4 |