

OWNER: Town of Stanardsville, Well #4
DRILLER: C. R. Moore
COUNTY: Greene (Stanardsville)

VDMR #1514
WWCR #24
TOTAL DEPTH: 278'

GEOLOGIC LOG

- 0-40 No samples.
- Lovingston Formation (40-100')
- 40-50 Gneiss — very-light-gray to medium-brown-gray; very-fine-
to extremely-coarse-grained; poorly developed augen texture;
perthitic microcline, quartz (some very blue) biotite, epidote,
sericite; trace pyrrhotite, zircon, apatite and calcite; trace
iron oxide weathering stain.
- 50-60 "
- 60-70 more weathering stain.
- 70-80 no weathering stain.
- 80-90 minor weathering stain.
- 90-100 Sheared Gneiss — medium-light-greenish-gray, fine- to
coarse-grained, cataclastic texture; perthitic microcline,
quartz, biotite, chlorite, minor iron oxide stain.
- 100-110 No sample.
- Pedlar Formation (110-278')
- 110-120 Quartz Monzonite — medium-gray, slightly greenish, medium
to coarse-grained; andesine, microcline, quartz, hypersthene,
minor sericite, chlorite, epidote; trace ilmenite-magnetite and
pyrrhotite and iron oxide stain.
- 120-130 "
- 130-140 Quartz Monzonite — light- to medium-greenish gray, medium-
to coarse-grained; microcline, quartz, andesine, chlorite, sericite,
epidote, hypersthene, biotite; minor vein calcite, and ilmenite-
magnetite; trace pyrite and pyrrhotite.
- 140-150 Quartz Monzonite — light to medium-dark-greenish-gray, medium-
to coarse-grained; microcline, andesine, quartz, hypersthene;
minor chlorite, biotite, sericite, epidote, ilmenite-magnetite,
pyrite and pyrrhotite; trace iron oxide stain.
- 150-160 minor fractures coated with chlorite and pyrite no iron
oxide stain.

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#1514

160-170 Quartz Monzonite — light to medium-dark-greenish-gray, medium- to coarse-grained; microcline, andesine, quartz, hypersthene; minor chlorite, biotite, sericite, epidote, ilmenite-magnetite, pyrite and pyrrhotite; minor fractures coated with chlorite and pyrite.

170-180 "

180-190 minor vein calcite.

190-200 " trace iron oxide stain.

200-210 No sample.

210-220 Sheared Quartz Monzonite — medium-light-greenish-gray; very fine to coarse grained, cataclastic texture; potash feldspar, quartz (some blue) saussuritized plagioclase, biotite, epidote, sericite; minor calcite, apatite trace zircon; trace iron oxide stain.

220-230 "

230-240 trace pyrite, pyrrhotite, ilmenite; no zircon.

240-250 "

250-260 "

260-270 "

270-278 "

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-40	No samples	
40-100	Lovingston Formation	Precambrian
100-110	No sample	
110-278	Pedlar Formation	Precambrian

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
March 8, 1966