

TAPE 1

DOROTHY PROPERTY

Drill Hole 27

A vertical hole total depth to 179 feet. Bedrock in this hole is at 100 feet. To the bottom of the hole at 179 feet the rock is a uniform white to buff feldspar porphyry in which biotite phenocrysts have been largely leached out. The rock contains abundant disseminated pyrite. Specimen NC7235 taken from 171 feet. 179 marks end of hole, drill hole 27.

Drill Hole 28

121 Overburden

155 Uniform gray andesite

162 Fault breccia

192 Gray andesite

212 Biotite feldspar porphyry. Gray phenocrysts of feldspar to two mm. also two mm. needles of hornblende and books of biotite. Specimen NC7236 at 210 feet.

221 White to buff feldspar porphyry. This rock appears to be similar to previous types except that it has been sheared.

316 Biotite feldspar porphyry. Extremely fresh rock. Mafics unaltered. Phenocrysts of feldspar to about three or four mm. This rock-specimen of this rock taken NC7237 at 236 feet.

370 Andesite tuff breccia. Breccia fragments of volcanic rock to 1/2" size. This marks end of hole 28.

Drill Hole 19

- 94 Overburden
- 167 Biotite feldspar porphyry. This rock which is fresh contains pyrite and chalcopyrite as fine disseminations in the matrix and on fractures. Top 25 feet of this section is sheared and iron stained. Some leaching has gone on in the first 5 feet.
- 208 Biotite feldspar porphyry is previous except intensely sheared and flooded with quartz. Quartz flooding is so great in some sections that it contains fragments-breccia fragments of porphyry in a quartz matrix. Some carbonate alteration is also prevalent in this section and the quartz veining contains disseminated chalcopyrite. Abundant pyrite also in parts of this section. Specimen NC7238 at 168 feet.
- 295 Biotite feldspar porphyry. This section contains chalcopyrite and molybdenite on fractures-narrow fractures with quartz. Short sections here are also brecciated with some argillic and sericitic alteration of the feldspars. 295 feet marks end of hole 19.

Drill Hole 14

- 60 Overburden
- 93 Hornblende feldspar porphyry. Light green, fine-grained, trachytic texture imparted by orientation-parallel orientation of hornblende crystals which range up to four mm. in size. This rock may be an extrusive equivalent of the biotite feldspar porphyry intrusive. Specimen NC7239 at 86 feet.
- 100 Biotite feldspar porphyry dyke here faulted, sheared, and altered

- 111 Hornblende andesite sheared with some clay mineral alteration
- 147 B.F.P (short form for biotite feldspar porphyry, sheared, brecciated with quartz veining and chalcopryrite mineralization. Abundant carbonate on fractures.
- 168 B.F.P finer grained than usual darker gray. Phenocrysts here are about 1 mm. size. Chalcopryrite main sulphide and this occurs on fractures with quartz.
- 196 B.F.P breccia. Finer grained B.F.P contains fragments of volcanic rock and more leucocratic phase of the porphyry. Specimen NC7240 at 185 feet.
- 341 B.F.P. sheared with argillic and sericitic alteration. Mafics in this section are mainly leached.
- 378 B.F.P. medium gray colour, phenocrysts two to three mm., fresh rock. Chalcopryrite and molybdenite occur on hairline quartz fractures. Some short sections of gouged material. This marks end of hole 14.

Drill Hole 20

- 70 Overburden
- 164 B.F.P. uniform light gray appearance. Fresh rock with the exception of secondary K-feldspar 1/8" rims adjacent to quartz veinlets which contain disseminated chalcopryrite and molybdenite. Specimen NC7241 at 91 feet.
- 168 B.F.P. sheared, mafics leached out. Rock is actually feldspar porphyry.
- 300 B.F.P. as in previous section. This rock is uniform throughout length of hole with the exception of short sections of sheared material. Molybdenite chalcopryrite occur on fractures which are nearly parallel to core. This marks end of hole 20.

Drill Hole 21

- 25 Overburden
- 95 B. F. P. uniform medium gray appearance. Pyrite main sulphide in this section and it occurs on fractures rimmed by K-feldspar
- 97 B. F. P. breccia. Fine-grained, dark gray matrix with 1/8 to 1/4" rounded fragments. Abundant book biotite. Specimen NC7242 at 96 feet.
- 130 B. F. P. as previous
- 205 B. F. P. leucocratic, very light gray colour, vuggy appearance, miarolitic texture. Specimen NC7243 at 180 feet. Sulphide in this section is mainly pyrite which occurs on fractures and as disseminations in the matrix. This marks end of hole 21.

Drill Hole 1

- 14 Overburden
- 18 Siltstone hornfelsed
- 21 B. F. P. dark gray
- 151 Cherty siltstone, hornfelsed in part. Pyrite-main sulphide mineral. Specimen NC7244 at 61 feet.
- 171 Andesite. Medium grained. Pyrite still main sulphide mineral. Some sections of andesite appear to be medium grained diorite which is magnetic
- 176 Hornblende biotite feldspar porphyry. Dark gray, fine-grained matrix. Phenocrysts of feldspar are not crowded.
- 284 Medium-grained green diorite. Chloritic alteration intense. Rock is extremely magnetic and contains numerous fractures which are filled pyrite and some pyrrhotite. Specimen NC7245 at 173 feet.
- 300 B. F. P. gray, some disseminated chalcopyrite and pyrite in matrix. This

marks end of drill hole 1

Drill hole 2

- 10 Overburden
- 34 Acid dyke, uniform buff appearance, small phenocrysts of muscovite.
Rock has generally an aplitic texture. Specimen NC7246 at 18 feet.
- 80 Cherty hornfels. Main sulphide here is pyrite with some chalcopyrite.'
- 206 Light gray to brown hornfelsed andesite. Specimen NC7247 at 156 feet.
Sulphides here mainly chalcopyrite with some minor molybdenite on
dry fractures. Fault at end of section.
- 240 B.F.P. gray, sheared at beginning of section.
- 271 Hornfels as previous.
- 313 B.F.P. medium gray colour. Numerous hairline fractures filled with
gypsum. Chalcopyrite and lesser moly occur on fractures with quartz.
- 320 Hornfels
- 336 B.F.P. with numerous angular inclusions of hornfels.
- 409 Hornfels
- 444 B.F.P. gray. Chalcopyrite molybdenite on fractures. Specimen NC7248
at 435 feet.
- 459 Leucocratic B.F.P. finer grained than previous. This apparently is a later
stage. Minor chalcopyrite and abundant pyrite occur as disseminations in
the matrix. Rock has a miarolitic texture.
- 536 B.F.P. gray as in previous sections, although tenor of mineralization is
not as great in this section. 536 feet marks end of hole 2.

Drill Hole 3

- 33 Overburden
- 242 B.F.P. uniform appearance gray, crowded phenocrysts of feldspar to two mm. One mm. books of biotite and hornblende needles now completely replaced by secondary biotite. Chalcopyrite and molybdenite occur on dry fractures and with quartz on hairline fractures. Some chlorite on fractures as well.
- 247 B.F.P. breccia, fine-grained, dark gray, matrix with 1/4" rounded fragments of earlier B.F.P. Very little mineralization seen in the breccia.
- 274 B.F.P. as in previous sections.
- 276 B.F.P. breccia as previous
- 347 B.F.P. medium-grained. Chalcopyrite and molybdenite on fractures with quartz.
- 350 B.F.P. breccia
- 470 B.F.P. as previous
- 472 B.F.P. breccia
- 487 B.F.P.
- 490 B.F.P. breccia
- 501 B.F.P.
- 536 Biotite hornfels. In this section some short stringers of B.F.P. breccia
No appreciable mineralization in this last section. This marks end of hole
3.

Drill Hole 4

- 34 Overburden
- 65 B.F.P. Chalcopyrite and pyrite occur on dry fractures

- 66 B.F.P. breccia stringer. Specimen NC7249 at 65 feet.
- 143 B.F.P. medium gray.
- 194 Buff acid dyke. Non mineralized
- 450 B.F.P. gray Very uniform appearance. Sparsely mineralized. Some section are veined with green biotite or chlorite and contain perhaps some ~~tourmaline~~ tourmaline in fractures. Specimen NC7250 at 220 feet.
- 457 B.F.P. breccia. Some mineralization on fractures but generally speaking quite weakly mineralized in comparison to previous regular B.F.P. sections.
- 553 B.F.P. gray.
- 556 B.F.P. breccia. This marks end of drill hole 4.

Drill Hole 7

- 52 Overburden
- 58 Gray andesite, massive, no sulphide mineralizations seen.
- 59 Breccia appears to be an intrusive breccia with 1/2" rounded fragments Sharp contacts with the andesite and breccia contains fragments of mainly volcanic rocks but also one fragment of B.F.P. noted. Specimen NC7251 taken at 58 feet. Pyrite disseminated in this breccia.
- 136 Cherty hornfels gradational to hornfelsed andesite. Numerous stringers of pyrite in this zone.
- 150 B.F.P. gray, essentially non-mineralized. Specimen NC7252.
- 139
- 307 Andesite flow breccia creating to fine-grained andesite tuff. All of a medium gray colour. Fractures contain pyrite.

312 Buff acid dyke. This marks end of hole 7.

Drill Hole 25

140 Overburden

300 B.F.F. gray. Chalcopyrite mineralization along with some pyrite. Occurs primarily as disseminations in the rock matrix. 300 feet marks end of hole drill hole 25.

Drill Hole 10

35 Overburden

100 B.F.P. uniform appearance. Chalcopyrite mainly on fractures.

105 B.F.P. intrusive breccia.

183 B.F.P. Weakly mineralized.

205 Breccia pipe. Specimen NC7253 at 195.

558 B.F.P. Some stringers locally of B.F.P. breccia. Specimen NC7254 at 485. This section is only weakly mineralized. This marks end of hole 10.

This also marks end of examination of drill core at the Dorothy property.