Title

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HOGAN MINES PROPERTY - Kwanika Creek Map Sheet 93N

B3
B1
A2
A7
A1

Drill Hole B-3 Casing 23 feet

93N110-07

Feet

139 To this point monzonite severely fractured with chlorite-coated fractures. Pyrite is finely disseminated throughout section. Rock consists essentially of medium-grained equigranular potash feldspar plagioclase, chloritized mafic minerals, and little quartz. Epidote is widespread in fractures. Hematite staining is also prominent on fracture planes with chlorite. Specimen NC70-12 at 105 feet.

152 To this point rock is severely fractured and brecciated. Pyrite with very little chalcopyrite occurs on fractures and as disseminations. Abundant pink carbonate in fractures.

164 To this point massive quartz monzonite. Quartz content higher than inprevious section. Also mafics account for approximately 7 per cent of the rock and in this case they are discrete grains, probably hornblende, which is severely chloritized. Near end of section brecciated material.

169 Rock is severely fractured at this point. Also cut by basic dyke which appears to be post mineral in age. Fine grained, dark green.

241 Pink monzonite, severely fractured and brecciated. Abundant lost core in this section. Chlorite-coated fractures still common, some with hematite. Secondary pink feldspar is also prominent and this occurs in matric. Sections that are badly fractured and sheared show sericite and talc alteration.

261 Hybrid volcanic rock, dark green. Numerous chlorite fractures. Abundant disseminated pyrite. Specimen NC70-13 at 260 feet.

326 Brecciated monzonite. Subrounded fragments of monzonite cemented by fine-grained chloritic material. Pyrite fills interstices between fragments and also coats fracture planes. Fracture planes also coated with chlorite. Occasional 1-foot greenstone inclusions. Some one-eighth-inch quartz veins noted carrying pyrite. Specimen NC70-14 taken from 272 feet.

402 Alternating brecciated and massive monzonite. Carbonate, pink, with chlorite on fractures. Pyrite is uniformly distributed throughout, occurring as fine disseminations. Some pyrrhotite also associated with pyrite. No chalcopyrite noted.

This marks end of Hole B-3.

Drill Hole B-1 Casing 7 feet

95 Brecciated fractured monzonite, medium grained, pink. Consists essentially of potash feldspar, plagioclase, and chloritized mafics. Angular fragments in brecciated sections cemented by fine-grained mixture of chlorite. Epidote is widespread throughout section. Chlorite occurs on fracture planes. Very fine pyrite disseminated throughout section.

160 Sheared monzonite. Numerous chlorite slips with slickensides. Pyrite finely disseminated throughout section.

223 Grey brecciated, silicified, intrusive rock. Angular fragments cemented by quartz. Pyrite more extensive in this section. Specimen NC70-15 at 201 feet.

224 Greenstone dyke. Chilled contacts against brecciated intrusive. Dyke is also sheared. Specimen NC70-16. Beyond dyke rock is dark grey, brecciated, hybrid, possibly volcanic origin. Sulphide is more abundant in this section. This includes pyrite and some chalcopyrite. Specimen of typical material NC70-17 at 288 feet. At 312 feet 2-inch band of massive sulphide primarily pyrite, pyrrhotite, some magnetite, and also some chalcopyrite.

322 End of brecciated grey hybrid rock.

392 Rock is medium-grained monzonite diorite. More massive appearance than previous sections. Also sulphide content is less in this case mainly pyrite. Some 5- to 10-foot sections of orange tint more of a granitic composition. Specimen NC70-18 taken at 348 feet.

This marks end of Hole B-1.

Drill Hole A-2 Casing 76 feet

To end of hole at 201 feet, sheared brecciated hybrid volcanic rock. Metasomatized abundant potash feldspar throughout rock matrix. Numerous chlorite coated shear planes. Abundant lost and gouged core. Pyrite with a little chalcopyrite was noted throughout hole. Spe;cimen of typical material NC70-19 at 142 feet.

Drill Hole A-7 Casing 81 feet

155 Fine-grained to medium-grained quartz monzonite foliated in part. Specimen of this material NC70-20. No pyrite or other sulphide noted in first section of hole.

245 Fault gouge.

278 Medium grained to coarse grained quartz monzonite, grey to pink. Mafics include chloritized biotite which ranges in size from one-eighth to one-quarter inch. Rock consists essentially of pink feldspar, pink potash feldspar, white plagioclase, some quartz, and 7 to 10 per cent chloritized biotite. Little sulphidenoted in this section. Some pyrite and chalcopyrite near end of hole. Specimen of this material NC70-21.

End of hole A-7 - 278 feet.

Drill Hole A-1 Casing 15 feet

108 Medium-grained pink monzonite. Massive. No foliation noted. Numerous chlorite-coated slip planes. Pyrite is finely disseminated in rock matrix.

117 Leucocratic, aplitic rock, pink, fine-grained to medium-grained. Abundant disseminated pyrite. Very minor chalcopyrite noted.

147 Grey silicified brecciated hybrid volcanic rock. Abundant stringers and disseminations of pyrite. Minor chalcopyrite.

155 Brecciated, sheared monzonite.

170 Sheared, gouge zone.

222 Leucocratic monzonite. Essentially potash feldspar, plagioclase, some quartz, and disseminated pyrite.

290 To this point numerous sections of grey silicified hybrid volcanics with stringers and disseminations of pyrite and some chalcopyrite. These sections of silicified rock are contained in normal-appearing quartz monzonite or monzonite.

350 Pink medium-grained monzonite. This section appears more massive than those previously. Fewer chlorite-coated slips. Sulphide mainly pyrite with some chalcopyrite occur in minute hair-line fractures and seams crosscutting core surface. Specimen NC70-22 at 348 feet.

454 Uniform-appearing monzonite to quartz monzonite. Massive appearance, only occasional chlorite slips. Pyrite with some minor chalcopyrite is finely disseminated throughout rock matrix. Epidote is abundant in rock matrix. To end of hole at 464 rock is light grey, silicified hybrid variety with abundant pyrite, some one-inch massive sections of pyrite, pyrrhotite, and minor chalcopyrite. One-foot basic dyke with pink carbonate stringers at 460 feet.

464 marks end of hole A-1.

TAKLA SILVER PROPERTY

Diamond drill core stored at adit elevation 4,400 feet.

Drill Hole 68 Underground 2

To 66 feet massive blue-grey limestone banding at 70 degrees to core surface. Specimen NC70-29.

92 Brecciated limestone.

94 Siltstone, sheared. Shearing at 70 degrees to core surface.

100 Brecciated limestone.

101 Calcite vein.

115 Sheared siltstone. Numerous calcite lenses and stringers.

123 Open drift.

144 Rhyolite dyke; buff colour. One-millimetre quartz eyes throughout section. Disseminated pyrite and pyrrhotite near end of section.

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149 Sheared limestone.

156 Brecciated limestone.

156 marks end of Hole 68 Underground 2.

Addition to previous Hole 68 Underground 2. Specimen of rhyolite dyke taken NC70-30.

Drill Hole 68 Underground 4

0 - 10 Grey limestone.

17 Hornblende feldspar porphyry. Quartz veined in part with stringers of massive pyrite and pyrrhotite, at approximately 11 feet. This is a 1-foot section. Chilled contacts on bottom end of dyke.

23 Limestone.

38 Rhyolite porphyry dyke, may be derivation of hornblende feldspar porphyry because spots of original mafics are present, original mafics having been leached out.

58 Banded blue-grey limestone. Banding at 30 to 35 degrees to core surface.

70 Brecciated limestone. SPEcimen NC70-31 taken from 64-foot mark.

89 Banded blue-grey limestone.

This marks end of Hole 68 Underground 4.

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47 Broken core. Abundant sulphide.

50 Hornblende feldspar porphyry.

51 Limestone.

51.5 Broken core with disseminated pyrite.

53 Limestone.

This marks end of Hole 68 Underground 12.

Drill Hole 68 Underground 20 (Not on tape?)

10 Limestone, brecciated in part.

11 Hornblende feldspar porphyry dyke. Sheared.

14 Limestone.

18 Hornblende feldspar porphyry.

59 Massive blue-grey limestone.

73 Brecciated limestone.

98 Massive limestone.

This marks end of Hole 68 Underground 20.

Drill Hole 68 S-1 Casing 17 feet

8 Hornblende feldspar porphyry dyke. Bleached.

24 Sheared siltstone. Graphitic.

117 Hornblende feldspar porphyry. Light grey to buff. Grading in part to quartz feldspar porphyry. Original mafics bleached.

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Drill Hole 68 Underground 13

29 Banded blue-grey limestone. Banding at 70 degrees to core surface. Some sections are brecciated, particularly near end of section.

41 Feldspar porphyry dyke.

46 Brecciated limestone.

This marks end of Hole 68 Underground 13.

Drill Hole 68 Underground 18

24 Banded blue-grey limestone. Some short brecciated sections. One-foot feldspar porphyry dyke between 10 and 11 feet.

38 Buff quartz feldspar porphyry dyke. Minor disseminated pyrite.

57 Banded and sheared grey limestone.

88 Hornblende feldspar porphyry dyke. Hornblende oxidized and bleached.

95 Sheared limestone.

This marks end of Hole 68 Underground 18.

Drill Hole 68 Underground 12

33 Banded ~~ans-eh~~ and sheared blue-grey limestone. Banding and shearing at 30 degrees to core surface.

34 Limestone with secondary calcite and disseminated pyrrhotite and pyrite. In some places near massive.

42 Hornblende feldspar porphyry. Mafics are oxidized and bleached.

44 Broken core with abundant sulphide including pyrite and minor arsenopyrite.

45 Hornblende feldspar porphyry dyke.