020547

March 21st

Ace Group Powell R. Area.

Main showing opened up by Herb Thompson who own group.

Stream flows at 170°T down ore sloping at about 30° to S.

Base of ore area is where show located.

Ore is grey porphyrite & blende diorite or quartz diorite with disseminated and stringers of chalco. Bornite also present.

Moly occurs in vein + stringers

For about 3 to 4 feet below bedrock surface rock is weathered + crumbly + clay minerals abound. No sulphides occur in weathered zone — only in fresh part.

Showing is about 12' across in EW direction

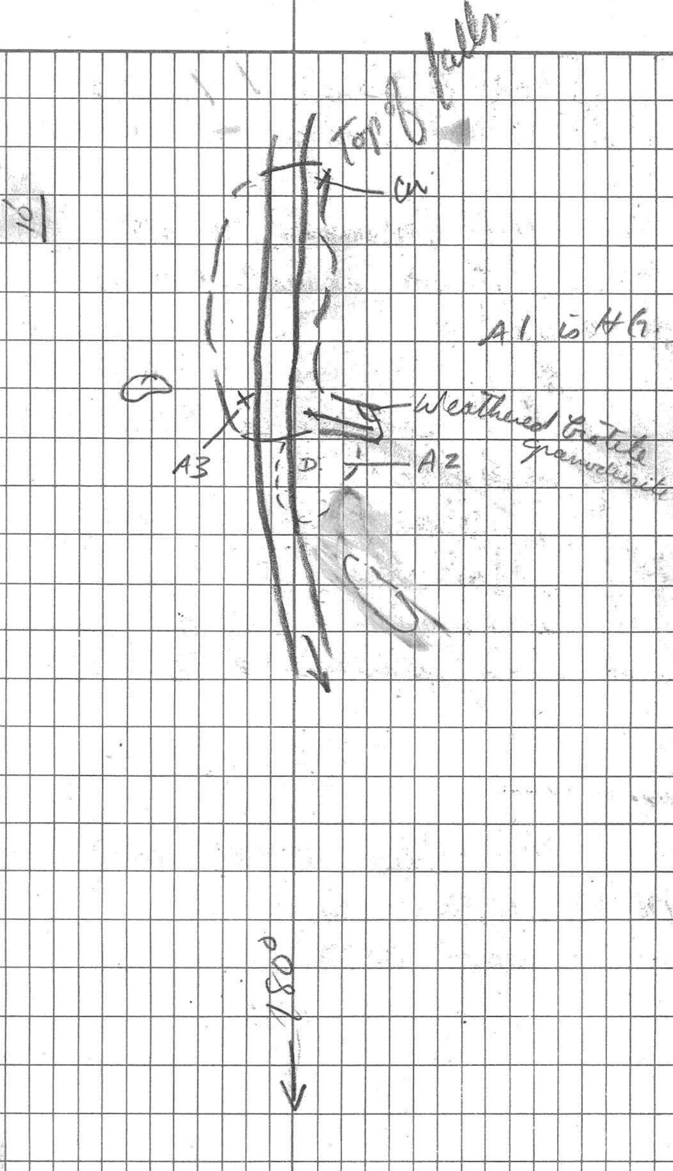
H.G Sample is A1 (805) taken from selected dump material.

A2 is general sample not selected. (803)

A3 from 20' to west of main shaft. (806)

~~(806)~~ Malachite occasionally occurs as dots & reddish mineral resembling native Cu.

West along main road above shaft is another mineralized area. #A5


10'
CR
A1 is HG
Weathered biotite
A3
D.
A2
180°

March 30th/66

Fractures + shear planes in blocks of white granite en slide - filled in places with Mo Sz and chalco.

Sim to stuff which assayed .1 to .8.

Appear to have fallen from cliff (see photo).

Cliff has malachite + ferro moly stain on it.

Shears (with horizontal slickensides)

Shears strike at about 340° off trend of W shore of Powell Lake & towards mid pt. between bluff + summit on S shore of Chippewa Bay. Dip appears to be about 70-80° E.

Boulder shows slickensides going in random directions. Some contain serp.

Rock in vicin of mine may be fine grained grey-green granite or qtz porphyry.

One zone (see photo of me in boulder) shows mostly in hair line fracs over about 10" width.

~~[illegible]~~ Took samples to test from talus — no numbers.

April 23rd Sunday.

Start log of DDH D67-1. First hole drilled on Duke 1 anomaly SE end. Fine fake Y.T. Hole completed to 310 ft 1:30 PM today (Apr. 23).

Log of DDH 67-1

0-14 Overburden

14-25 Core angle 60° banded ~~quartz chlorite schist~~ quartz - chlorite - mica schist. Bands ⅛" to ½" thick + composed of ~~fine~~ intermittent higher concentration of qtz, chlorite & mica. Mica is generally brownish & appears to be phlogopite. Very sparse disseminated pyrite ~~Py~~ <1% Qtz comprises over 50% of rock

Samples 25-29, 29-33, 851, 852

25-33 ~~Banded chloritic~~

Quartz mica schist. Banding less distinct than in the above + texture approaches that of fine grained gneiss. Rock is faintly magnetic + contains [redacted] diss. pyrite + ~~possibly other sulphides~~ and pyrrhotite. possibly >1%. in places.

C

~~33-39~~ 33-40 Banded quartz mica schist. Composed of 60% quartz and 40% mica. Mica is brownish colored + may be phlog. Some sericite also. Cleavage 65°-70°.

~~39-43~~ 40-44 Quartz chlorite mica schist as in 14-25. Very faintly mag. Very sparse diss sulph. <½%. Cleavage 65-70°.

~~59~~ 44-50 Dark grey + white banded ~~[illegible]~~ graphitic (?) schist or
phyllite Bands are ~~[illegible]~~ thin < 1/8" + consist of white qtz and dark aphanitic material — clays + other mafics.
Sparse diss sulphides << 1%. + faintly magnetic.
core angle 65-70°

50-52 Quartz-chlorite mica schist.
core angle 70°

52-54 ~~[illegible]~~ Grey + white banded phyllite

54-64 Quartz-chlorite-mica schist with intermittent ~~[illegible]~~ zones of dark grey schist up to 8" thick

64-254 Dark grey ~~schist~~ + white banded schist. Core angle 75°. Faintly magnetic as contains fine disseminations ~~of~~ pyrrhotite and marcasite on bedding planes.

~~Samples 853 - 854~~

64 - 69 #853 grey - white banded schist - slightly magnetic. No cu seen.

69 - 74 ~~as~~ #854 as above.

Core angle increases to 80 to 90° at about 100 feet.
#857 (143 - 148) and ~~#858~~ (858) 148-153 were taken from this material.

Rock contains about 1% sulphide. Not persistently magnetic.

Bands of white quartz up to 1½" thick are interbedded with schist.

170 - 174 is zone of contortion. Bedding 60° to axis. Quartz gash veins at 90° to bedding.

254-262 Mica quartz schist. Mica is brownish & may be phlog. It is med grained & banding is indistinct. It is non mag & contains 2% sulphides, & pyrite or marcasite. Some faint greenish bands (chlorite?) are present. Qtz content is about 20-25%

Core angle is about 90° to 262
then 60 - 70° to 270
then 80 to 90° to bottom of hole.
Occasional quartz filled
fracture parent. Very
sparse pyrite.

262-287 Banded chlorite
Quartz mica schist. 70% quartz
with brownish mica carrying
rest of rock. Brownish color.
White qtz bands 2" thick.

287-297 Banded grey mica quartz
sericite schist. Fine laminated
~~50%~~ 50% quartz.
Grey similar to grey
schist above.

297-300 Mica qtz chlorite schist
as 262-287.

300-310 Grey schist as 287-297.
cut by qtz vein 304-305.

310 Bottom

DDH D67-2
April 26th

0-15 Overburden

Banded white & greenish grey

15-36 Quartz - ~~of~~ biotite - chlorite schist
40-60% quartz with remainder
made up of equal parts biot & chlor.
Core angle 60-70°. Greenish grey
colour. Grain ~~size~~ med ~~to coarse~~

36-39 Dark green argillaceous quartz
~~schist~~ ~~with~~ chlorite schist.
Fine grained compact with
infrequent quartz bands. Core
angle 75-85°

39-50 Light grey green quartz chlorite
schist. Faintly mag. Has
< 1% pyrrhotite. Angle 80°
Fine grained

Chlorite
50-76 Banded quartz - mica - ~~chlorite~~
schist. Medium grained
Core < 60-70°. Trace

amounts of Sulphide - pyrite + pyrrhotite. Mica is brownish colour. Some calcite present

76-85 Indistinctly banded quartzite mica schist with diseminated pyrrhotite and calcareous bands. Magnetic. Qtz is 75% of rock. Pyrrhotite is 1% or more.

85-89 Well banded dark grey + white argill + graphitic schist with >1% pyrrhotite. Magnetic. < 80°

89-91 Quartzite ~~Chlorite~~ micaceous schist 80% quartz with 1% pyrrhotite + pyrite. 75° - 80° core angle.

91-100 Argil + graph sch as 85-89. with 1-2 % pyrrhotite in schist planes. Core < 80-90°.

irreg. Banded green & white

100 - 116 Coarse - to med grained Chlorite quartz schist with intermittent Bands of mica (biot?). Greenish. Indist banded. Core < 80 - 85° to 105 - 90° to end sect.

116 - 198 Well banded graphitic argill ~~sch~~ qtz schist. Thin laminae 1/8" to 1/4" thick 1 - 2 % Sulphide predom pyrrhotite + pyrite mildly calcareous. < 75 - 80° to 122' 40% ~~qtz~~ - 60%

122 - 123 Disturbed & sheared zone. graphitic here + calcareous Core < 70 - 80° ~~to~~ to 139

60° to 146 Contorted 146 - 149. Core < 0° at 148, ~~70°~~ 75° - 80°. magnetic (End of box at 188)

Rept of Apr 27 to here

MAG TRAV.

~~20S~~	~~0+00~~	8		Scale
0+00	18S	175	185	2
0+00	20S	177	182	
1E	—	~~175~~ →	185	
1+50 E		~~175~~	185	
2E		~~178~~	189	
3E		170	176	
4E		205 ↓	(Top 40' hill)	4425-20
4+50 E		~~178~~	185 178	
5E		175	178	
6E		~~170~~ →	180	
7E			180	
7+50 E		~~173~~	185	
8E		185	186	
9E		170		
9+50 E		184	182	
10E		184		
10+50 E		184 ↓		
11+00 E		184 ↓		
11+50 E		188	188 (3)	
12E		181	(2) 190m (47)	
12+50 E		~~650~~	182	3
13+00 E	1825	166	170	2
13+50 E		170	175	
14E		146	Drill	
14+50 E		180	180	
15+00 E		182	~~180~~	
15 50				

198-205 ✓ Chlorite qtz mica schist
∠ 80-90° Pyrrhotite in
place bang < 1%
Qtz 50%

205-212½ qtz graphitic argill schist as 85-89
∠ 85° to 209. Contorted
+ 30° 209-210 80° 210-212½
50° qtz.

212½-214 qtz mica-chlorite schist as
198-205. greenish tan
sulph cont.

214-247 Banded qtz-graph schist as 85-89
60° qtz to 70° qtz. Contain
up to 10% mica in some bands.
∠ 50°

247-250 Chlorite mica quartz Schist ~~75~~ 50% ~~60%~~ 40% Chlorite
~~Silica + = parts of rock 20% mica~~
+20% mica 40% qtz
gradational cont.

Scale

16 E	205	180, 182
1650	"	182
17 E		180 184
1750		180
18 E		182

25

250 - 296 Graphitic argil schist as before - with pyrrhotite
Qtz rich bands cont up to 50% qtz.
Some mica rich hor with 10-20% brown mica. ∠80°.

296 - 304 Mica Qtz schist with some graph bands + some chloritic horizons. Qtz bands.
<1% pyrrhotite. Mag sporadically
∠ 80° — 299'
70° — 304

Log of DDH D67-3
May 4th 1967

0-10 Overburden

10-84' Grey + white banded argillaceous quartz - graphite schist -
Core < 75-80° to 24 50° + Cont at 24 -25. 75 or 80° to 40
Broken core to 42. 60-70° <
42 to 49. 70° to 75'
80° to 84'
Grain cont up to 1% pyrrhot.
More in places as 5 2 - 5 2 %.
Some sections of qtz rich material + few veins of qtz.
Core recov. about 85%.
Calcite pres.
fine grain.

84-88 Qtzite with diss pyr. + pyrrhotite
Some thin bands of sericite + chlorite pres. light grey
< 70°. Some graph bands present.

~~88~~

88 - 179 Banded qtz graph argil Schist as 10 - 85

<60 - 70° to ~~85~~ 127

Sulphide cont > 1% 113 - 126

~~90~~ ~~88~~ 127 - 154 75 - 85°

154 - 162 60 - 70°

162 - 179 80 - 90°

Rock cont about 50% qtz + rest grey material, some places is more than 75% qtz.

179 - 215 Quartz - chlorite - mica schist with dis py + pyrrhotite

Mildly Calcareous <80 - 90°.

Med to fine grain.

July 3rd/67

Mayo Area.

Silver Spring Property of
John Stiebchuck &
McQuesten R. ~~Lake~~ Road -

Property located ~~E~~ ½ mile
E of N end Hanson Lake.
& access by road.

No Magnetometer ~~[illegible]~~ anom
detected over reported Cu
show area.

Bulldozer ~~t~~ stripping on W
slope of Mtn E of road
about 300' EW & 150' NS.
Rust seeps throughout area
took SB-1 & ~~[illegible]~~
mud near ~~[illegible]~~ downhill at E end
of strip. undisturbed material

Taken from N of planning & uphill from access road

SB-2

Rock is dark grey phyllite cut by siderite veins. Bedrock is evidently overlain by a horizon of rusty soil. Rust coats all boulders in swamp at base of slope.

On slope it forms a semi-consolidated conglomerate (with Fe oxide cement).

Sample of iron cement SB-3

Base of slope is large area of rust in swamp. Appears to be coming from springs about 250' S of access road. Fe oxide occurs as nodules here. 700 ft ASW Sample of this

On the mountainside 1M NE of mine area is calcite + some old trenches + pits access is from Jadine Lake by trail No ore there according to John.
Check ~~Gall~~ Gleasons report for references.

Gossan material from ~~a~~ marshy gulley at base of slope and 400' South of access road occurs in nodules in many places. Took grab sample SB4 of these. General sample of gossan is SB5. ~~Also~~ This to be assayed for Cu Pb Zn Ag. Sending one sample of this to Whitehorse Assay office (A-0101) to check for Au.

July 4th. Flew out to Elliot L.
Paid hotel Bill + two meals.

July 5th / 67

Traverse South of Elliot Lake to
a/ vicinity of Gossan on N side of
Police Creek and B/ Mag anomaly
on ridge South of Police Creek.
Arrived at gossan at
about 2 PM + made fly camp.
Traversed across Police creek
to Mtn on S side where mag
anom occurs.
Mag reading at base of
Mtn 30 scale 650.

Country rock is phyllite cut on
ridge by what appears to be
a pyroxenite or peridotite
which has undergone serpent.
alteration - to take a
asbestos. Fiber here is
brittle but may not be all over.

UB is located at pt. on ridge where ~~the~~ air mag. high occurs but not detected with our magnetometer. It is probable cause of high. Took 1 rock sample with ads.

__July 6th 67__

Gossan on N side police creek is large area of rusty red soil + some consolidated + semi consolidated material. No min noted. No water assoc. with it at pres. ~~Is at~~ ~~base~~ base of buckbrush covered ~~slope~~ which is where it most likely came from. Hardly any vegitation growing on it.

Took geochem samples SB 6 and SB 7 from above locality.

Return to base camp at Elliot L.