

A Knop list does not include the following from Horanda.

50 W ; 8 N.

10 N.

12 N.

14 N.

16 N.

18 N.

20 N.

22 N.

24 N.

28 N.

30 N.

32 N.

34 N.

36 N.

38 N.

40 N.

801354

327-8321

possibly these represent
1st lot worked in by
Len Hickey, following
Knop.

*The following submitted by A. Knop, but not
reported by Horanda. ^{= 107 diff!} Phone Peter Rossbacher ¹¹
(Aug. 16/66).
~~48 N ; 30 E ----- 60 E @ 200' spacing 16 These.~~
~~56 N ; 30 E ----- 58 E @ 200' " " 15~~
~~72 N ; 12 E ^{NO E} 52 E @ " " 21~~
~~80 N ; 20 E ^{5-10 A} 62 E @ " " 22~~
~~88 N ; 28 E - ^{AIR} 68 E @ " " 21~~
~~48 N ; 30 W ----- 52 W @ " " 12 (107)~~

Reading above expect call from Dorothy of
Biometals re. samples passed to her lab by
Biometals; (Note Horanda's Cu dates need not
be duplicated by Biometals).

1966 Greenham. Priore Lake;

Aug 15/66

Samples submitted: - not reported by

(1) By A. Knop, per his lists to, & mail June 8/66. - ①

- ✓ 8.5; 32W - 96W @ 200' sp.
- ✓ 16.5; 32W - 88W @ " "
- ✓ 24.5; 0W - 76W @ " "
- ✓ 32.5; 0W - 56W @ " "
- ✓ 40.5; 0W - 56W @ "
- ✓ 48.5; 0W - 56W @ "
- ✓ 56.5; 32W - 56W @ " & 2E - 20E
- ✓ 64.5; 32W - 56W @ " & 2E - 20E
- ✓ 72.5; 32W - 56W @ " & 2E - 14E
- ✓ 80.5; 32W - 46W @ "
- ✓ (86.5; 2W - 30W @ "
- (285 - 30W)

(Ken Hasky soil sample & mag. progress to be forwarded on progress sheets provided.)

- ② 1966 Beekham. Reservoir Lake - - - Aug 15/66 ②
(Cont'd); Samples submitted by H. Mos per his list & serial June 8/66.
0N; 32W - 96W @ 200' not yet reported (Cu)
by H. Mos.
- 8N; 52W - 80W @ " ; 20E - 28E @ 200'
~~20E - 28E~~
- 16N; 52W - 96W @ " ; 20E - 36E @ "
- 24N; 52W - 80W @ " ; 20E - 44E @ "
- 32N; 52W - 64W @ " ; 30E - 54E @ "
- 40N; 30W - 64W @ " ; 30E - 60E @ "
- 48N; ^{P. 4} 30W - 52W @ " ; ^{P. 4} 30E - 60E @ 200'
- 56N; ; ^{P. 4} 30E - 58E @ "
- 64N. ; 30E - 50E @ "
- 72N; ; ^{P. 4} 12E - 52E @ "
- 80N. ; ^{P. 4} 20E - 62E @ "
- 88N. ; ^{P. 4} 28E - 68E @ "
- 96N. ; 34E - 70E @ "
- 104N; ; 44E - 70E @ "
- 50E.

③ 1966 Genham - preserve lake - Aug 15/66 ③
Cont'd Sampled Submitted by A. Knop to serial. June 8/66.

50E ; 66N - 104N ; @ 200's

30W ; 50S - 84S ; @ 200's

^{Cont'd}
20-E ; 50S - 86S. @ 200's

* Reported by Aranda but not listed by Knop :
50W ; 8N - 40N @ 200' spaces.

WILLIAM M. SHARP, P. ENG.
CONSULTING GEOLOGICAL ENGINEER

STE. 808, 900 WEST HASTINGS ST.
VANCOUVER 1, B. C.

August 5th, 1966.

Mr. Len Hackey,
Stellako Mining Co. Ltd.,
Box 1330,
Merritt, B. C.

Dear Len:

With this is enclosed a supply of "Field Progress Maps" to keep me posted on weekly advances on soil-sampling and magnetometer surveys. One of these, or a tracing paper sketch of smaller-scale additions, could be mailed to me each Friday. Hope your "mag" is still behaving properly!

I am also enclosing 2 - 1000 scale grid maps on which you can, if you have time, plot soil-sample determinations and magnetometer readings respectively. Up-to-date compilations on these may provide clues as to where the soil-sampling or "mag" surveys should be checked, or extended in more detail. Soil-sample data can be plotted in accordance with the colour-code given on the legend of the 1000-scale drawing.

I will leave the selection of the magnetometer data to plot with you. Depending upon the general range of the magnetometer readings, you may find it convenient to plot only the negatives (-) of, say, 600 and over, as against the low-negative to positive readings of, say, -300 or less, and including any positive (+) readings. Or, expressed numerically, plot only:

- (a) -600 to -1000 or more
- (b) - 300 through 000 to + readings,
- (if any of the latter)

However, for your purposes you can alter the above ranges so that the plotted values contrast more decidedly.

....cont'd -

The general program follows the sheet "GENERAL REVIEW ROSCOE LAKE 1966 EXPLORATION PROGRAM, JULY 31, 1966" left with you last week-end.

So far Len, I haven't been able to find time to procure the desired base maps for the Kathleen Mountain work. However, there is no reason why you could not go ahead - time permitting - with the contour method of sampling discussed, as long as you have an altimeter and a central up-hill - down-hill base-line to work from. A normal straight line grid should be used, however, on the flatter summit areas.

Your order for supplies has gone in, so you should be well-stocked any day now.

If you find the enclosed 1000 scale plans too restrictive for detailed plots, you could build up 200-scale "West-Half" and "East-Half" sheets, as discussed, for this purpose. I will do the 200's later.

Good hunting!

Yours sincerely,


W. M. Sharp, P. Eng.

Encl. (6 - "Field Progress Maps")
(2 - " Soil Sampling & Geophysical Grid")

c.c. Mr. J. R. Trepanier

c.c. W. M. Sharp's file

JULY 31, 1966

GENERAL REVIEW ROSCOE LAKE 1966 EXPLORATION PROGRAM; W. SHARP & L. HACHEY:

SOIL SAMPLING:

(A) COMPLETED TO DATE BETWEEN 0-W & 30-W BASE-LINES:

- (1) FROM 0-5 TO 40-5 AT PRELIM. 400' N-S SPACING, WITH SAMPLE STATIONS @ 200' E-W INTERVALS
- (2) FILL-IN GRID-LINES (200' N-S) @ 0-5 TO 40-5 AREA WITH SAMPLE STATIONS @ 100' E-W INTERVALS.
(NOTE 40-5 RE-SAMPLED ON STRAIGHTENED LINE)

- (3) PRELIMINARY & FILL-IN LINES BETWEEN 40-80-5 @ $\frac{400}{200}$ N-S & $\frac{200}{100}$ E-W SPACING.
- (4) PRELIM. LINES @ 80-5-86-5 @ 600' N-S @ 100' STA'S.

(5) 0-N-104 N @ 800' N-S INTERVALS & SAMPLING ON 100' STA'S. (& FILL-IN SAMPLE BETWEEN PRESENT 200' E-W STA'S)

(B) TO BE DONE:

- (1) RESTRICT 200' (N-S) FILL-IN LINES (WITHIN 30 W. - 30 E. "ROAD") BELT (CENTRAL ZONE) TO LINE 64 N.
- (2) BALANCE OF PROPERTY TO BE GRIDDED AND SAMPLED, INITIALLY, ON 400' N-S INTERVALS & 100' E-W STA'S.

NOTE: MARK SAMPLES FROM DRAINAGE COURSES AS "SILT," OR SHOW THIS ON SEPERATE RECORD OF STREAM-SEDIMENTS OR SILTS.

MAGNETOMETER

TAKE READINGS AT ALL OF ABOVE (SOIL-SAMPLE) STATIONS

GEOLOGY:

SOIL SAMPLER TO TAKE SEPARATE ROCK CHIPS OF OF OUTCROPS ON, OR NEAR LINE; MARK SPECIMEN SAME AS SOIL SAMPLE (STATION).

RE: PROGRESS MAP: 1" = 1320', APRIL 5, 1966.

SOIL SAMPLING COMPLETED ————— 100' (OR 200')

MAG SURVEYS " ————— " (")

Re Hatcher MS - R.T. sp.
 on basis of J.M.D. sample heavy Zn (RT. 61-62 vic.)
 note for staked # 55 - on ---
 send soils to Biometals for total Cu - Zn ^{every 5th} by ^{for Mose}
 disp. spectra. - advise son of this address
 when sending up record like too scale work sheets.

Sample # 19797 - Manganese from outcrop area of high-grade discovery pit

Ag - 0.05 g/t.
 Cu - 0.10 %

W. Sharp.

August 22, 1966.

Mr. Len Hackey,
Stellako Mining Co. Ltd. (N.P.L.),
Box 1330,
Merritt, B.C.

Dear Len:

With this Bio Metals first report on the 1966 soil samples (Knox, etc.)
passed along by Noranda.

As 15% of these show the presence of Mo, the current instructions re
total Cu and Mo on your initial 400-sample lot to Bio Metals still stands;
however, keep me advised as to when all of these have been submitted to
Bio Metals.

Regards,

W. M. Sharp, P. Eng.

WMS/jm
Encls.

153 - ref orig Towert brained and gump as turning
to Highmont.

Towert per spent 334,660⁰⁰

164 - applic'n O.H.d.

165 - 269,000⁰⁰

W.C. Hammons up to 600' x 1000' in copy, from + only.
pres indic grade sub commercial; expected
core grade < sludge grade (all from d.d.)
* adds there are indications of monomin
in the S.W. corner of the property which
is on the westerly slopes of Crowned Mt.
and the S.W. corner is adjacent to the
Lomas property.

179 - a vert percussion hole to 270' at Highmont's
Highland Valley prop. averaged an average
of 0.412⁰⁰ MoS₂ for its full length (from
130 - 270 = 0.716 MoS₂)

* Range of equip = 270' vert.

Drilling at rate of one hole daily
hole several 100's W. of 200' x 1200'
block. Copper to range 0.18 - 0.52

Refers to hole # 7, towert 1962, to 329' @ 0.305⁰⁰ Cu
MoS₂ sludge tests on 5 1962 holes

showed $\frac{Cu}{MoS_2}$ 224' @ 0.406⁰⁰; 255' @ 0.372⁰⁰; 196' @ 0.335⁰⁰
0.117; 0.153; 0.081

329' @ 0.442⁰⁰ note - no direct rated Mo: Cu⁰⁰
0.054

but after MoS₂ higher on low Cu's.

Fulcher believes MoS₂ will have
equal or more value than Cu.

196 - Expect to announce job partner soon.

197 - Nappon → 150,000 1st phase.

* Sched. program calls for \$95,000,000 by Dec. 1967

198 - Financially in shape

57 0.3 % Cu; 0.07 % MoS₂

210

190,000,000 tons @ 0.301 % Cu; 0.069 % MoS₂
w/ Cu @ 40¢ (only) & MoS₂ @ 90¢ (only) gross \$ 3.65/T.
w/ 35 holes (premium & chd.)

34-claim group.

prop. adjoin. to top & East.

To date 47 holes compl. out of 77 sched.
all holes to depth of 250'

* Good poss. of up-grading ore.

* Ore: Waste ratios in percussion drilling @ 1:1.
+ w/ waste sec's clean Cu → 0.376 %

Grade comparable to Brenda @ 0.24 % Cu + 0.12 % MoS₂

244

Re-call.

\$ 23,885,000 tons @ 0.331 % Cu; 0.069 % MoS₂
to indicate 250' depth

Ops to go on all winter.

Dir. drilling to test = 250' in hole depth

71/77 holes completed but to correct
by reason of weather out of ore

plan to drill to 1000'

Within major area 1.P. indicates that
three zones of higher grades which
smaller each other and more gen. N.W. - S.E.
These areas to be tested.

\$ 390,000,000 tons @ 0.44 % Cu and 0.031 % MoS₂