CORPORATION FALCONBRIDGE COPPER

FILE
MEMORANDUM

DATE: September 26, 1985

Rapifax 2:05
Please Deliver Immediately

À TO: D. H. Watkins

COPIES À COPIES TO: M. J. Knuckey, H. L. Gibson

826113
92G/11

DE FROM: A. J. Davidson

SUJET SUBJECT: MAGGIE MINES SLUMACH ZONE (MAR CLAIM) LONG SECTION

Attached please find a vertical longitudinal section, a geology plan map for the Slumach Zone and a table of drill hole data.

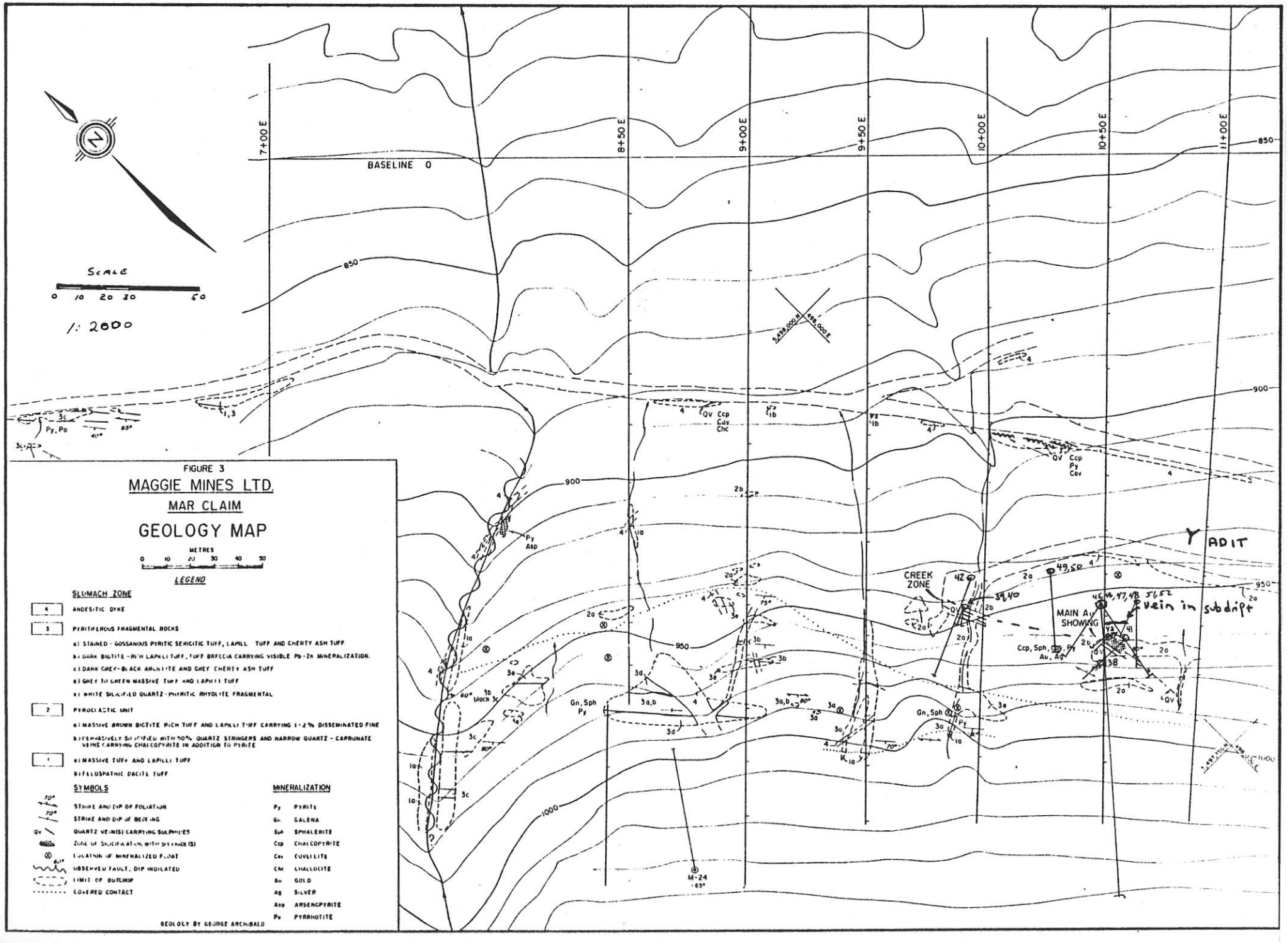
The geology map shows the Main Showing the Creek zone and the geology in the immediate area. Note that the vein is apparently crosscutting stratigraphy at a low angle, and is so far contained if tuffs and lapilli tuffs of Unit 2. Drilling so far has tested less than 100m of the strike extent. Line 11+00E is the eastern limit of the mapping and other surveys.

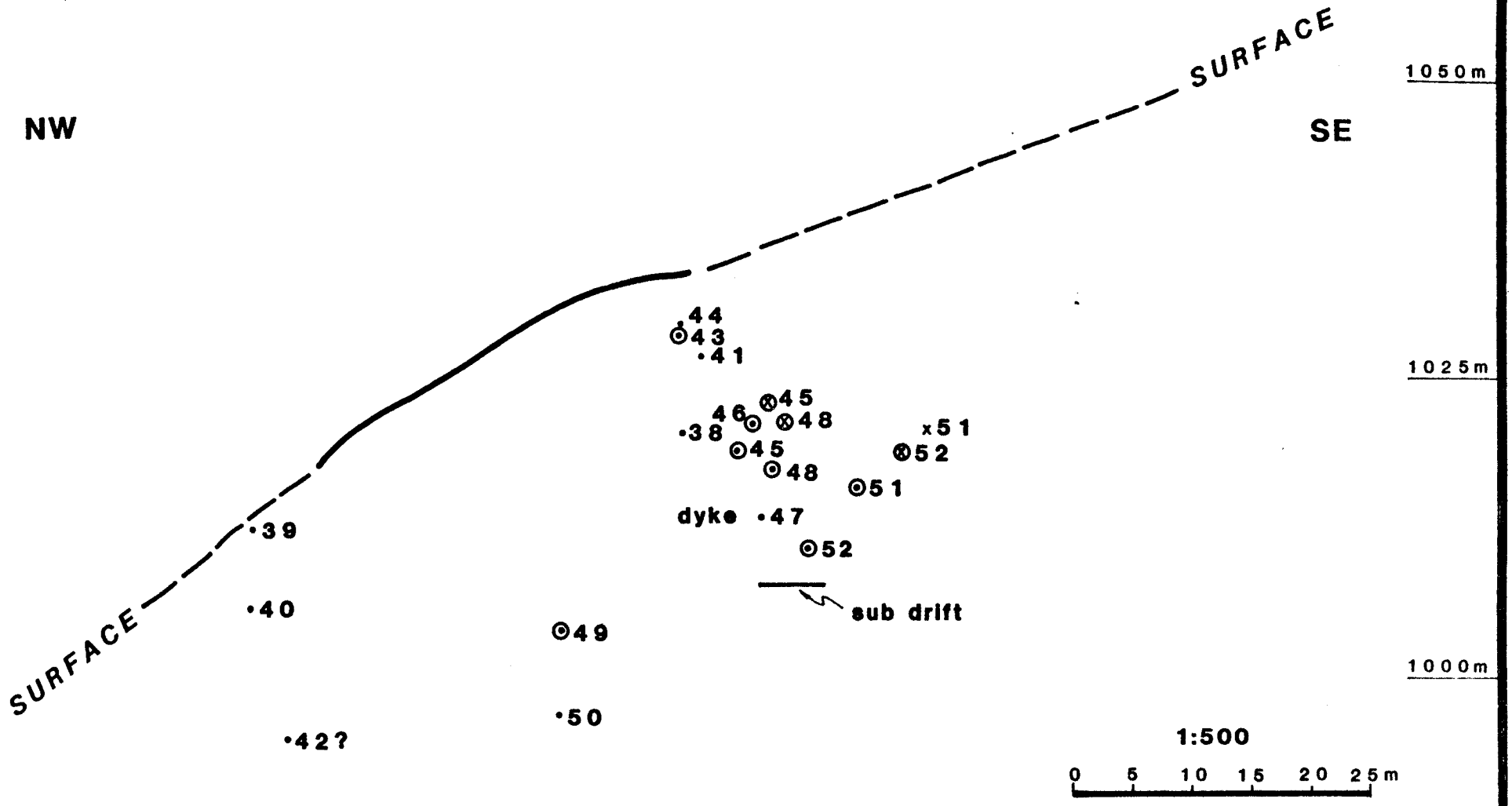
The longitudinal section shows an apparent rake to the mineralization of about 60° to the east although this is based on very close spaced drilling. Potential is clearly wide open both downdip and along strike to the SE and even to the NW. The grade may be increasing at depth i.e. DDH M52 and the subdrift.

The table shows that the intercepts of the East vein (E) marked by an X on the long section are just as good as those on the main vein and only appear to be in the more southeasterly holes (M45, 48, 51, 52). Potential to develop two or more close spaced parallel veins is also excellent downdip and to the southeast.

A. J. Davidson

AJD/ik


BASELINE 0
7+00 E
8+50 E
9+00 E
9+50 E
10+00 E
10+50 E
11+00 E
850
900
950
1000
SCALE
0 10 20 30 50
1: 2000
3,498,000 N
498,000 E
CREEK ZONE
MAIN Au SHOWING
ADIT
vein in subdrift
M-24
-65°
Py, Po
Py Asp
Gn, Sph Py
Ccp, Sph, Gn, Py Au, Ag
Ccp Cuv Chc
Ccp Py Cov
QV
FIGURE 3
MAGGIE MINES LTD.
MAR CLAIM
GEOLOGY MAP
METRES
0 10 20 30 40 50
LEGEND
SLUMACH ZONE
4 ANDESITIC DYKE
3 PYRITIFEROUS FRAGMENTAL ROCKS
a) STAINED - GOSSANOUS PYRITIC SERICITIC TUFF, LAPILL TUFF AND CHERTY ASH TUFF
b) DARK BIOTITE - RICH LAPILLI TUFF, TUFF BRECCIA CARRYING VISIBLE Pb - Zn MINERALIZATION.
c) DARK GREY - BLACK ARGILLITE AND GREY CHERTY ASH TUFF
d) GREY TO GREEN MASSIVE TUFF AND LAPILLI TUFF
e) WHITE SILICIFIED QUARTZ - PYRITIC RHYOLITE FRAGMENTAL
2 PYROCLASTIC UNIT
a) MASSIVE BROWN BIOTITE RICH TUFF AND LAPILLI TUFF CARRYING 1 - 2% DISSEMINATED FINE
b) PERVASIVELY SILICIFIED WITH 50% QUARTZ STRINGERS AND NARROW QUARTZ - CARBONATE VEINS CARRYING CHALCOPYRITE IN ADDITION TO PYRITE
1 a) MASSIVE TUFF AND LAPILLI TUFF
b) FELDSPATHIC DACITE TUFF
SYMBOLS
STRIKE AND DIP OF FOLIATION
STRIKE AND DIP OF BEDDING
QV QUARTZ VEIN(S) CARRYING SULPHIDES
ZONE OF SILICIFICATION WITH SULPHIDE (S)
LOCATION OF MINERALIZED FLOAT
UNSERVED FAULT, DIP INDICATED
LIMIT OF OUTCROP
COVERED CONTACT
MINERALIZATION
Py PYRITE
Gn GALENA
Sph SPHALERITE
Ccp CHALCOPYRITE
Cov COVELLITE
Chc CHALCOCITE
Au GOLD
Ag SILVER
Asp ARSENOPYRITE
Po PYRRHOTITE
GEOLOGY BY GEORGE ARCHIBALD



⊘ Significant Intercept Main Vein
• Intercept Main Vein
⊗ Significant Intercept East Vein
× Intercept East Vein

VERTICAL LONGITUDINAL SECTION

MAGGIE MINES

SLUMACH ZONE

LOOKING NORTHEAST

498,000E

CORPORATION FALCONBRIDGE COPPER

MAGGIE MINES - SLUMACH ZONE
DRILL HOLE DATA

Hole	Elev.	North	East	Azim.	Dip	Length	Hor Length	Min Easting	Min Depth	Min Elev.	Min Hor	Grade oz/M
M38	1039	497813	497987	073	-70°	21.9	7.5	793.5	20.0	1020.5	6.7	.024/0.35
M39	1016	497870	497962	250	-40°	11.6	8.5	758	5.18	1012.5	4.0	.036/.61
M40	1016	497870	497962	233	-60°	13.1	6.5	757	11.6	1006	5.5	.014/.86
M41	1031	497813	498000	270	-34°	28.0	23	795	7.3	1027	6.0	.034/.31
M42	1016	497876	497972	246	-40°	55.5	43	760	33?	995?	25	25 ppb
M43	1031	497818	497996	264	-34°	6.2	5.0	793	3.5	1029	3.0	0.21/.30
M44	1031	497818	497996	274	-35°	6.1	5.0	793	3.05?	1029.5	2.4	60 ppb
M45	1024	497829	498003	220	-30°	142.6	121	800.5	3.2	1023	3.0	E .498/.46
M45	1024	497829	498003	220	-30°	142.6	121	798	8.84	1019	8.0	.141/4.87
M46	1024	497829	498003	260	-30°	28.04	24	799.5	4.08	1021.5	3.5	.285/2.02
M47	1024	497829	498003	260	-70°	10.36	3.2	800	10	1013.5	3	dyke
M48	1024	497829	498003	190	-30°	38.25	33.0	802	4.6	1021.5	3.8	E .201/.46
M48	1024	497829	498003	190	-30°	38.25	33.0	801	12.8	1017.5	11.	.712/.6
M49	1009	497854	497997	220	-10°	33.8	33.5	783	22.25	1004.5	21.5	.31/.3
M50	1009	497854	497997	220	-30°	37.3	32.0	783	24.5	997	21	.035/.3
M51	1023	497820	498015	225	-30°	30.5	26.0	808	13.41	1016	11.5	.325/.61
M51	1023	497820	498015	225	-30°	30.5	26.0	814	3.75	1021	3.1	E .05/:61
M52	1023	497820	498015	250	-45°	20.7	14.8	804	16.9	1011	12	2.78/.62
M52	1023	497820	498015	250	-45°	20.7	14.8	812	5.79	1019	4	E .122/.61