

Memorandum

Vancouver, B. C.
1981-09-14

841928

COURTE RILEY - M481
PLANNED DRILLING

HELMUT WOBER:

The 1981 drill holes have been planned on the basis of their relation to variable combinations of the following factors:

- (1) The main NW geochemical trend (Trend A).
- (2) A possible secondary NW trend SE of (1) (Trend B).
- (3) Geochemical highs (Au and secondarily As).
- (4) Structures, particularly NS structures and areas of intense fracturing.
- (5) Known surface mineralization.
- (6) Alteration, pyritic, sericitic, and possibly ankeritic.

A perusal of lineaments and known faulting suggests the possibility that the best mineralization may occur where NS structures intersect the NW geochemical trends.

The relatively poor Au geochemical expression seen in relation to the main showing and two earlier drill holes is highly suggestive of surface leaching of Au. Hence the low amplitude Au anomalies are considered significant.

A summary, relating the above factors to the planned holes is attached.

DA.

D. ARSCOTT

DA:am
Attach:

COURTE 1981 PLANNED DRILLING

<u>Hole Designation</u>	<u>Location</u>	<u>Direction</u>	<u>Angle</u>	<u>Length</u>	<u>Justification</u>	<u>Priority</u>
<u>DEFINITELY PLANNED HOLES</u>						
81-C-1	20+08E, 9+50S	175°	-50°	300 to 450'	E. end of an As (Au) anomaly on Trend B, and beneath a pyritic rhyolitic dyke or sill. Also in vicinity of possible ankeritic alteration. This hole is <u>not</u> aimed at the high Au values at the <u>mouth</u> of Sol Creek. These are almost certainly transported from the vicinity of the main showing.	Med.
I	Approx. 20+50E, 69	180°	-50°	700 to 800'	An attempt to intersect the main showing at depth, on the assumption that the mineralized zone dips northwards.	Med. to High
II	Approx. 18E, 9S	210°	-50°	450 to 650'	W end of same anomaly as 81-C-1	Med.
III a.	Approx. 6E, 2N	210°	-50°	400'	On Trend A, aimed at Au-As anomaly, 300 m E of previous mineralized hole C-80-3.	High
b.	Approx. 6E, 2N	100°	-45°	150 to 200'	Intersection of NS structure and/or rhyolitic intrusive from same site as III a.	Med.
IV	Approx. 2E 3S	180°	-50°	600 to 700'	On Trend B, aimed at Au As Hg anomaly 130 m NE of secondary quartz-stibnite showing	Med.
SUBTOTAL	FOOTAGE			<hr/> 2600 to 3200'		

COURTE 1981 PLANNED DRILLING

<u>Hole Designation</u>	<u>Location</u>	<u>Direction</u>	<u>Angle</u>	<u>Length</u>	<u>Justification</u>	<u>Priority</u>
<u>STANDBY FOOTAGE</u>						
V	Approx. 1E 3S	180°	-50°	400 to 600'	On Trend B, aimed at small quartz-stibnite showing.	Low
VI	At site of D.H. C-80-1	270°	-50°	500 to 700'	Aimed at generally anomalous area in vicinity of rhyolite and/or siliceous pyritic alteration with fracturing.	Low
VII	5W 5N	45°	-50°	350 to 450'	On Trend A, directed at Au anomaly partly underlain by diorite.	Low

NOTE: Holes V to VII are tentative possibilities should (a) technical difficulties severely restrict the footage in the higher priority holes or (b) a change in emphasis appear necessary from early drill results.

COURTE - POSSIBLE 1981 DRILL HOLES

Updated 4 Sep 81

No.	Position	Direction	Angle	Length (Max.)	Length (Min.)	Water Hor.	Dist. Vert.	Priority	Other
<u>I</u> 81-C-4	~ 20+50E/6S ✓	180° (or towards C-79-1)	-50°	800'	700'	200'	50'	High	Long line site, with 20 minute climb. Water could be gravity
<u>II</u> 81-C-3	18E 79S (or upslope) ✓ OR 18E 10S	210°	-50°	650'	450'	1200'	50'	Med.	Near road. 10 min. access In slash.
<u>III</u> a.	6E 2N ✓	210°	-50°	425'*	400'	600'	200'	Med.	Site cut. *Care needed not to penetrate Umex ground to S. Long access. (Heli. daily?) **
b.	" " ✓	100°	-45°	200'	150'	"	"		
<u>IV</u> Spare (Aim for showing)	1E 3S ✓	180°	-50°	650' (if vert. R sill)	450' (if hor. R sill)	1000'	300'	Med.	Site just above "quarry". Care needed with grid positions in this area. In slash
<u>IV</u> 81-C-2	2E 3S ✓	180°	-50°	700'	600'	900'	300'	Med.	In slash.
<u>VI</u> Spare	Site of J.H. C-80-1	270°	-50°	700'	500'	400'	100'	Low	
<u>VII</u> Spare	5W 5N	45°	-50°	450'	350'	400'	300'	Very low	Site would need logging.
81-C-1	20+8E/9+50S ✓	175°	-50°	below dyke/sill 450' 3400 to 4600	300' 2750 to 3600	200'	Grav.	Med.	50m off road. ** Site also spotted but may have to be moved a few feet further from pad. xxx Marked but not spotted xxxx Spotted

Note: Hole lengths will need adjustment for a) exact final position of hole, & b) result of detail prospecting in vicinity of hole