

Re ph call to Graham; July 24/73 afternoon

KAM - KOTIA

801393

Am sending you prints showing current interpretations of up data from East and West end explorn. Note Bill has prints of all of this except the larger maps; however he had Dirk (Pastor) trace this off at mine. The maps include some suggestions re. drillhole layouts; the decision to delete any of these or, conversely, drill follow-up holes may be based on the results.

WEST

Note: there is no disagreement concerning the amount of the normal displacement across the 4625 - 4690 N.W. fault system. However, it is probable that this displacement will continue west and S.W. of the 4690*2 X-C area via the probable complex system of faults, lode segments, and lode-link strands at this general corner. Current interpretations indicate that lode in footwall of, and up-dip of 4625 - 4690 strike fault is less well developed than the hanging wall or down-dip continuation of it --- noting that the respective segments are fundamentally distinct.

note 40' displacement tent. under @ See 10/1001 K220 K134 etc.

Re W. end explorn - prob. best to expect that fault cuts off respective lode segs above and below 4690 horizon hence this not the horizon to

EAST (large map)

Within your area no. 1 lode pattern interp. as a flatly south-pitching warp in which the prevailing N.E. strike swings to the southeast and then back to the northeast. up-pitch section could be drill tested via a short northeasterly stub off of the 4857' corner of the decline. Also a hole has been proposed to test the northeasterly part of the lode warp.

Bill:

Apr. 2/93.

Rec'd April 5/93 mail

Hole K 189

approx 4322 N

11662 E

- 45° @ 00 North.

143-146.4 10.9 1.3 4.9
(3.4')

168-173.5 32.1 3.1 11.4 (Average)
(10.5')

————— 11 —————

Looking better as we
go along with the
program.

K-138
DIP 00°23'

4.0
Lost Core
K-137
DIP 00°40'

STUB DR.

Map distortion of bedding
on this layer.

4600N

S. Side Down

4690 #2 X-C

Scale 1"=20'

Aug 10, 1972 (not prev. rec'd.)

Rec'd. April 5/73 mail

10200E

10300E

10400E

WILLIAM M. SHARP, M.A.Sc., P.ENG.
CONSULTING GEOLOGICAL ENGINEER
171 W. ESPLANADE, NORTH VANCOUVER, B.C.

APRIL 5, 1973

DEAR BILL:

THANKS FOR YOUR SKETCH REFERRING TO THE
4690 #2 X-C STUB DRIFT AND K189 DATA RECEIVED
TODAY. THOSE K189 INTERSECTIONS SHOULD MAKE EVERYONE
HAPPY, BUT DON'T TELL BARRETT & NIMSICK! COULD BE
A REAL NICE BLOCK SHAPING UP UNDER 4625 - E. END.

YOUR LAYOUT ON THE STUB DRIFT FROM 4690 #2 X-C
LOOKS VERY APPROPRIATE AND CERTAINLY SHOULD ACCOMPLISH
ITS INTENDED PURPOSE.

THE ENCLOSED SKETCH IS FROM MY 20-SCALE WORKING
PLAN - UP-DATED PER YOUR SKETCH. THE INTERPRETATION
SHOWN IS THE SIMPLEST OF ANY OF THE ALTERNATIVES I CAN
DERIVE FROM THE DATA, AND MIGHT EXPLAIN WHAT IS
ACTUALLY GOING ON AT THIS END OF THE WORKINGS. IN ANY
EVENT I'LL BE LOOKING FORWARD TO LEARNING WHAT THE
DRIFT DOES REVEAL AND/OR INDICATE.

ANY FURTHER DETAIL YOU CAN PROVIDE BEFORE OUR 5TH
APRIL 18TH MEETING WILL BE MUCH APPRECIATED.

BEST REGARDS,

Bill Sharp.

P.S. THE ENCL NOTE IS FOR KAY AND IN REF. TO THE
PICTURE-FRAMING MATTER.

ENCL

June 29/73

Re-mapping 4690 #2 Xcut & Stub

The re-mapping was carried out on 2 mornings. The #16 stope was also checked on the second morning in an attempt to correlate between the lodes on the level in the stope. The lode zone in the #2 X cut would appear to be the same as found in the stope proper. Upon closer inspection of the lode zone in the drift (#2 Xcut) mineralization was also found. A chip sample across the lode zone assayed 0.2% Ag, 0.6% Pb, 0.5% Zn. I could not correlate between the lode zone in the X-cut and the shear zone in the stub drift, nor could any visible mineralization be located in the stub drift. Due to the close proximity of the stub drift and the Xcut, and the similarity in the angles of the faults, I am assuming that the faults join up as shown on the print. The location of the hanging wall of the lode is very questionable and could be as shown. *In other words probably is rep. by (crushed) faulted (with displ.) segs*

Contouring of the lode above the 4625 West Footwall Lateral indicates that the lode is swinging to the South-east as far east as the Main Drift. Diamond drilling from the 4690 Hanging wall Lateral indicates a south-westerly strike of the lode, with the turning point in the area of 4690 #2 X-cut. This swing could possibly be indicated in the stub drift with the lode becoming a series of bedding faults. (?) ** Chopped off crushed segments*

~~An~~ ^{On} ~~long~~ ^{section} was drawn on a bearing $N 23^{\circ} W$ so that it intersects the lode in $K 157, -70\frac{1}{2}^{\circ}$, due North. This section seems to indicate that there is very little displacement. Granted the information is scanty, but it is nevertheless interesting. This phenomenon could be explained partially if we assume a hinge type of fault system centering around the stub drift. If we assume this to be so, one would expect displacement of considerable magnitude in the area of #8 Stope on 4625. This is not proven as yet on that level. A section through E ¹⁰⁴⁷⁰ ~~10470~~ indicates some possible displacement while $K 155, -84^{\circ}$, could indicate a greater displacement as no lode section was encountered in the hole. However, one must say that this is at present only a theory and in no way proven.

W.M.A. Suggs:

From end of stub drift put in 3-hole (pushback fan) (flat)

(a) $5.30^{\circ} E$, South, $5.30^{\circ} W$.
20' 35' 40'

D. Pastora

July 2, 1973

4625 #8 Slope

On drawing a section thru the 4625 W Lateral, bearing $N48^{\circ}E$, and projecting the lode to the fault horizons, the apparent displacements are of different magnitude than those on 4690.

The footwall fault on 4625 has an apparent displacement of 70' compared to 40' on 4690.

Note horsetailing westward of the 4625 W-Fault (70') leads to origin of 3 step fault strands @ 4625 #2 X-C; hence displace of lode via all 3 (-68')

The hangingwall fault on 4625 has an apparent displacement of 30' and approximately 60' on 4690. The total displacement is still in the proximity of 100 feet.

If we use this information and project the total displacement of 100 feet west of the stub drift on 4690, then our long section ~~thru~~ on 4690 is obvious incorrect, or the lode structures intersected in the drilling from 4690 West Lateral is not the main we certainly suspected this -- good confirmation via above logic. lode structure, or the lode structure is very flat on 4690, or some other structure is influencing the lode. Obviously we have not yet determined what is going on and more investigation is necessary. How this can be further investigated is not clear at present

See W.S.F.W-0, W-1, W-2, W-3, as well.
as pack-sack fan from 4690 Stub Drift.