

841290 King
m-490

KING 1981 DRILL
SITE SELECTION

7 Sept 81

Enclosed is some data to help spot the King drill hole.

We have been following a major As-Hg anomaly westwards in the hope that it would lead to a hydrothermal source area rich in Au. So far, no good. The area gridded this year west of Ghost Creek yielded no anomalies and a different stratigraphy. The only remaining chance for such a source is just east of Ghost Creek (i.e. if not eroded away, faulted off, or buried at great depth)

We have been progressing westerly and north westerly since:

- (a) The As:Hg ratio increases dramatically in this direction
- and (b) The best alteration in the 1979 drilling increased this way.

X Also, by way of guidance, it appears that the anomalous values have a strong stratigraphic control, being preferentially located at the bottom of the major conglomerate unit.

The attached set of overlays is an attempt to bring together the east end

OVER ⇒

841590 OPS148

Chevrons 1981 grid with the west end of the older JMT sampling. The anomalous samples match reasonably in a general way. The ^{interesting} stratigraphic contact however shows an alarming discrepancy which will have to be sorted out in the field. It is peculiar since the outcrops (conglomerate with very minor sandstone vs abundant sandstone + argillite) are very easy to map.

Assuming the above problem can be resolved, the drill site (for a vertical hole) should be placed:

- a) Upslope from a high As - medium to low Hg anomaly (e.g. near 28E 3S or 30E 5S)
- " b) Not more than about 450 feet vertically above the lower conglomerate contact
- c) wherever topography allows a reasonable set-up

Da



Also, a way of guidance, it appears that the anomalous values have a strand being geographically located at the bottom of the major conglomerate.

The attached set of overlays is an attempt to bring together the east end

OVER →