1. IP. Bright Cls. Lines 8200' Long (Line spacing 10001.) hive miles !. = 90,200 17 live mils Est. cost @ 500/line mi. = \$500 2 I.P. Crescent cls.

line length - 6,600'

lines = 5 x 500m = 2500m x 3.28 = 8200' 8.2

1000 Times line miles = 8.2 x 1.25 = 10.25 line mile Est. Cart @ 500/lin Mi. = \$ 5000 Onborne work.

Vernon area - 10 miles & 4 miles line space y /4mi

= 160 line miles. - Time = 160 - 3.3 hrs pay - 3-4 hrs Cost 4 hrs 320 = \$1280 for Relicante,

plus R. +B. for 3 men 30/man for 2 days

= \$180

Plus aperator Solaries = 300 \$1760

FROM: TATS TAKEDA

RE: DRILL HOLE 77-6, KNIGHT PROPERTY, KELOWNA, B.C.

1. PERIOD OF FIELD WORK: FROM. MARCH 26 TO MARCH 28,1977

2. GEOLOGICAL FEATURES: In the hole, no coal is noted, but more abundant occurrence of pebble- gravel bearing arkosic. Sandstone with slightly higher radioactive background than basalts and leucocratic basement intrusive is seen. Serpentinite fills some of the inregular cracks in olivine basalts.

The topmost layer of basiltic lava flow is characterized with white zeolile coaled gas porcs.

Basement intrusive is quadrally becoming higher in elevation towards east with decreasing thickness of sediments between basaltic capping and the intensely altered basement.

3. Comments

- (i) Known anomalous features along Line 21+60N has been well checked with 5 holes of which three reached to the basement intrucive.
 - (ii) Protective, basalt capping theory for wranium containing sediments requires revision, because at least on the Knight Group, pre-Miocene Sediments is not indicating original high background in radioactivities.
 - (iii) Apparently, sub-aerial environment as well as Topographic control in recent age may be one of the key factors for uranium concentration in permeable layers such as pebble stone or conflomerate.
 - (iv) Knight group is separated by the Daies Creck from The eastern block which shows higher radioactive background, especially in pebble-small gravel bearing layers in eskars and marrines. Potential source

are a much be located in further east, more likely to be outsite of the Knight Group.

(V) Intense shattering and alteration in the leucocratic felsic intrusive suggest the similarity to the feature seen in the alteration halo surrounding prophyry molybdenite mineralization. However, no malybdenite occurrence has been confirmed in the current holes, except printe hair lines.

Intense argillicalteration together with chloriti stockworks and lesser silinfication also suggests a possibility of gold mencialization.

4. Summary and Recommendations

No significant uranium mineralization has been encountered in

the current six holes.

Sophistacated, ageological mapping is urgently recommended to study environment on the uranium concentration in the area of 10 km × 10 km approximately:

first stage: photogeological study (April, 1977)

second stage: ground survey for geological mapping. (April-June, 1977)

Then the targets will be selected for further detailed exploration in the advanced stage, such as geophysical work and diamond drilling.

Respect fully submitted,

Toto Takeda

KERR ADDISON MINES LIMITED 405-1112 WEST PENDER STREET VANCOUVER, B.C. V6E 2S1

Mr. D.A. Lowrie



OKANAGAN PROJECT - KNIGHT CLAIMS COMPOSITE GEOPHYSICAL MAP AND PROFILES March 4, 1977

Accompanying this memorandum is a compilation of geophysical material and an attempt at a structural profile. We also enclose logs of 77 - 1 and 77 - 2 plus a very detailed cross section of these drill holes by Tats Takeda.

The magnetic profile seems to delineate the lava cover quite accurately and the P.F.E. high on the west side of line 21 + 60 N probably depicts the emergence of the underlying pyritized siltstone at or near surface. The resistivity profile at 4 + 00 E on line 21+ 60 N indicates a low at the site of drill hole 77 - 3 and may well be indicative of the channel encountered in that drill hole. As you know, that drill hole went through lavas into sandy gravels and conglomerates at approximately 87.5 meters.

Under the circumstances, rather than move the drill to the north east corner of the property near the monashee outcrop, we will drill another hole east of 77 - 3 to get another intercept on the channel. The distance east will be a function of whether or not any radioactivity is encountered in 77 - 3. If significant radioactivity is encountered, we will start a grid drilling pattern after the eastern limit of the channel has been defined. Otherwise we will probably move about 300 meters to the east.

W.M. Sirola

Encls.