

EXAMINATION NOTES  
KING CREEK ~~PROPERTY~~  
QUEEN CHARLOTTE GOLD - M466

841310

53° 26' N, 132° 21' W

Location: Close to active logging, between King and Ghost Creeks, 16 miles NW of Queen Charlotte City, Q. C. I., B. C.

Claims: 1 claim of 4 units, staked by J. Christie & G. Richards.

Geology: The property consists of anomalous ~~sediment~~<sup>silt & soil</sup> Hg and As over an area of at least 1000ft by 5000 ft. ~~The rocks~~, underlain by Triassic to Jurassic Kunga Fm. limestone, Cretaceous Haida Fm. sand and siltstones, and Cretaceous Honna Fm. conglomerate. These are variably hornfelsed, carbonated and, in the case of the Kunga, unusually pyritic. From about the centre of the claim northwards, the sediments are cut with increasing frequency by relatively fresh looking feldspar porphyry dykes.

The geochemical values ~~in the soil~~ are of considerable magnitude, particularly the Hg, but Au was only anomalous in one instance. The implication is either that the mineralizing system is ~~gold~~ Au deficient, or that the ~~soil~~ Hg and As represent the halo of something deeply buried.

There is insufficient information as yet to guess at the geometry of the system, or even the full extent of it.

Conclusion: A <sup>large and pronounced</sup> geochemical anomaly ~~is~~ is underlain by 3 separate rock types, at least two of which are of suitable composition, and show suitable alteration, to host low-grade gold.

The conglomerate is particularly well silicified from the central creek over an EW distance of at least 1500 feet

KING #1 CLAIM

4 units between King & Ghost cks  
500 ppb rec. sas to N (also spec.)  
(Marie L. area)

cg's in TM mapped area

Long arm under cg (Hona)  
(wedge Lot Ghost ck).

H<sub>i</sub> H<sub>g</sub> over 3000 x 3000 (silt) <sup>~ 1000's.</sup>

A<sub>s</sub> similar (4 silt - all hi).

A<sub>n</sub> low



Honna.  
cg.

glauc  
ss.

occ.  
50? pyritic  
st. limy dior

Kuuga

45  
steep

slaggy/argil.  
(ammonitic)

Going up in SS sec. → silty o/c  
(145° fairly typ. str. for Kunga)  
>12000Hg silt in Honna-ish sand  
w/ ss pebbles.

1000' down main ck. Haida siltst.  
sporadically o/c on both sides  
becomes "flintier." Occ. limy

DA-K-1 on S. claim bndy  
'flinty' Haida? w/ <sup>slgts</sup> <sup>& Mn.?</sup> <sup>stn</sup> <sup>stn</sup>  
ACME 260 AC 1700Hg on  
trib. opposite

DA-K-2 73As 2500Hg. (on lgetrib)  
~600' inside C.B.  
minor py.  
sh'd zone +4' // to main  
ck.

DA-K-3 Δ cg. pyte. in ck @  
~700' inside C.B.

~750' bddd ss, (sl. limy) str.  
~ ~~900~~ 70 S

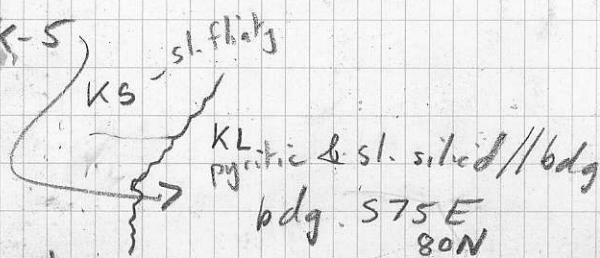
DA-K-4

in kunga, clean silic'd body  
sa. of silic'd mat'l.  
~1000' N of S. body (in C.B.)  
bdg EW 80 distm.

100'

DA-K-5

S ↑



feld por dkg this  
area.  
(gen'l incr. intensity)

DA-K-6 near of C.B.

pylts bk. ls

grab over ~25' ⊥ bdg

S3E 60S

sa was 100' this  
below silt

DA-K-7

Cg.

AS660 Hg > 16,000

wild grab over 40' along  
ck above "wt+l" where  
possible

Strong sil. up this ck in cg for  
+500'

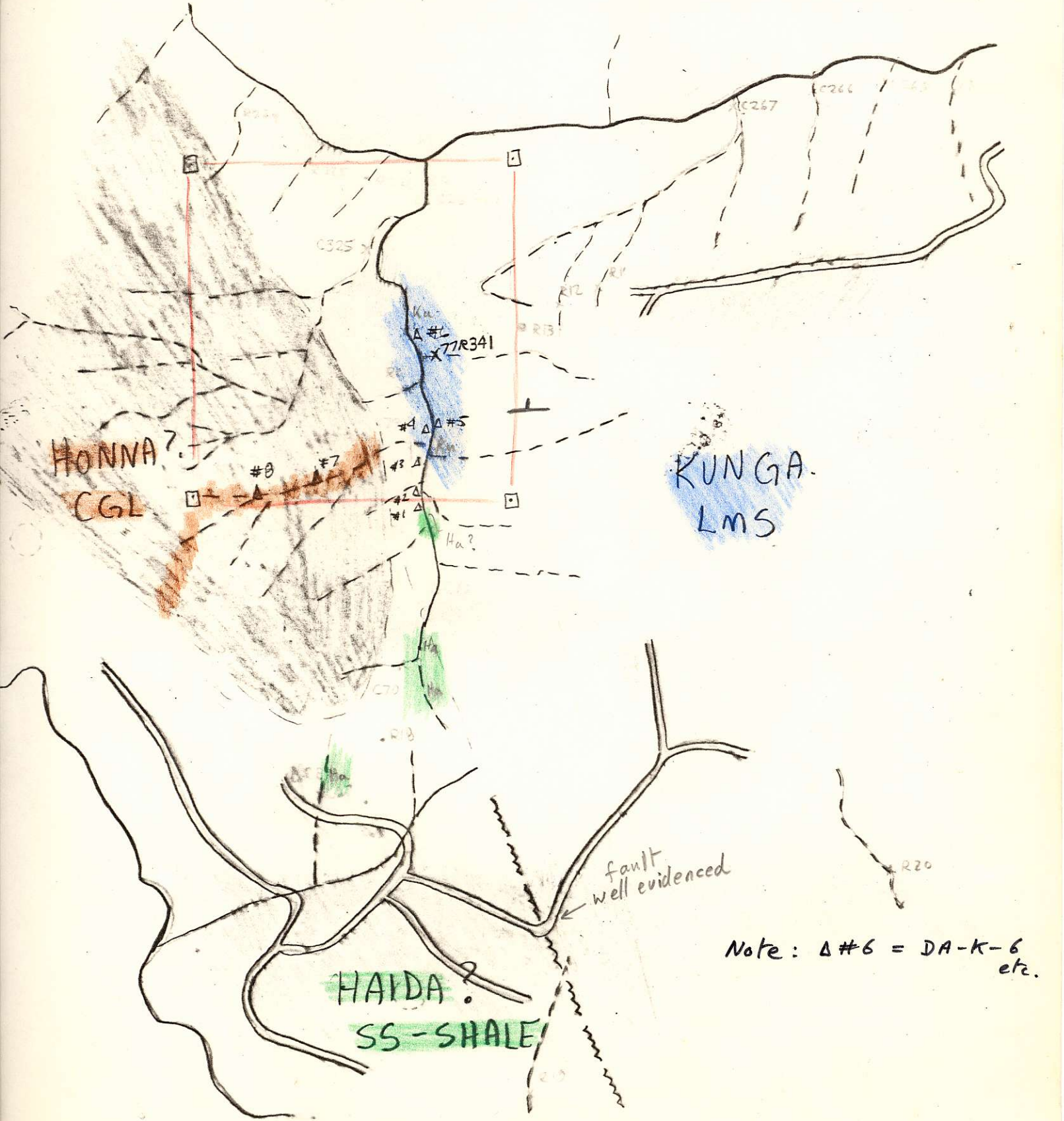
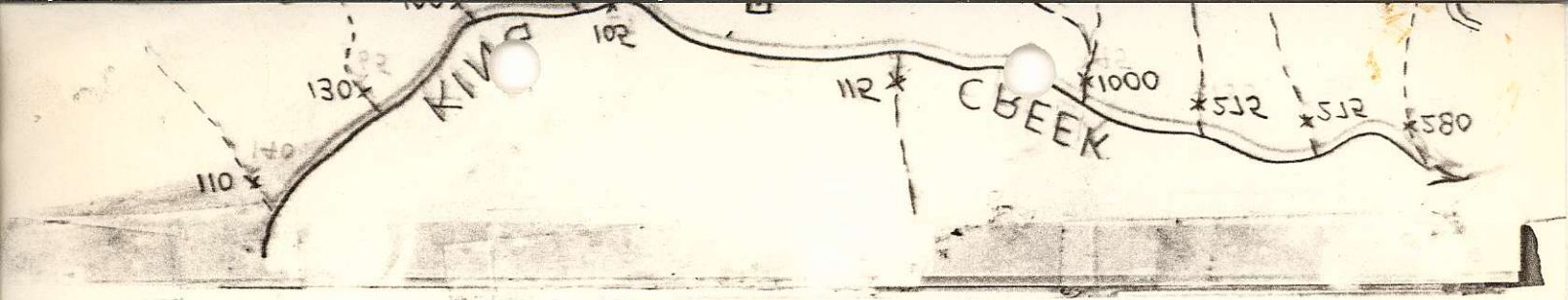
DA-K-8  $\frac{1}{2}$  way to corner  
post. Same ck. cg. less  
silicified

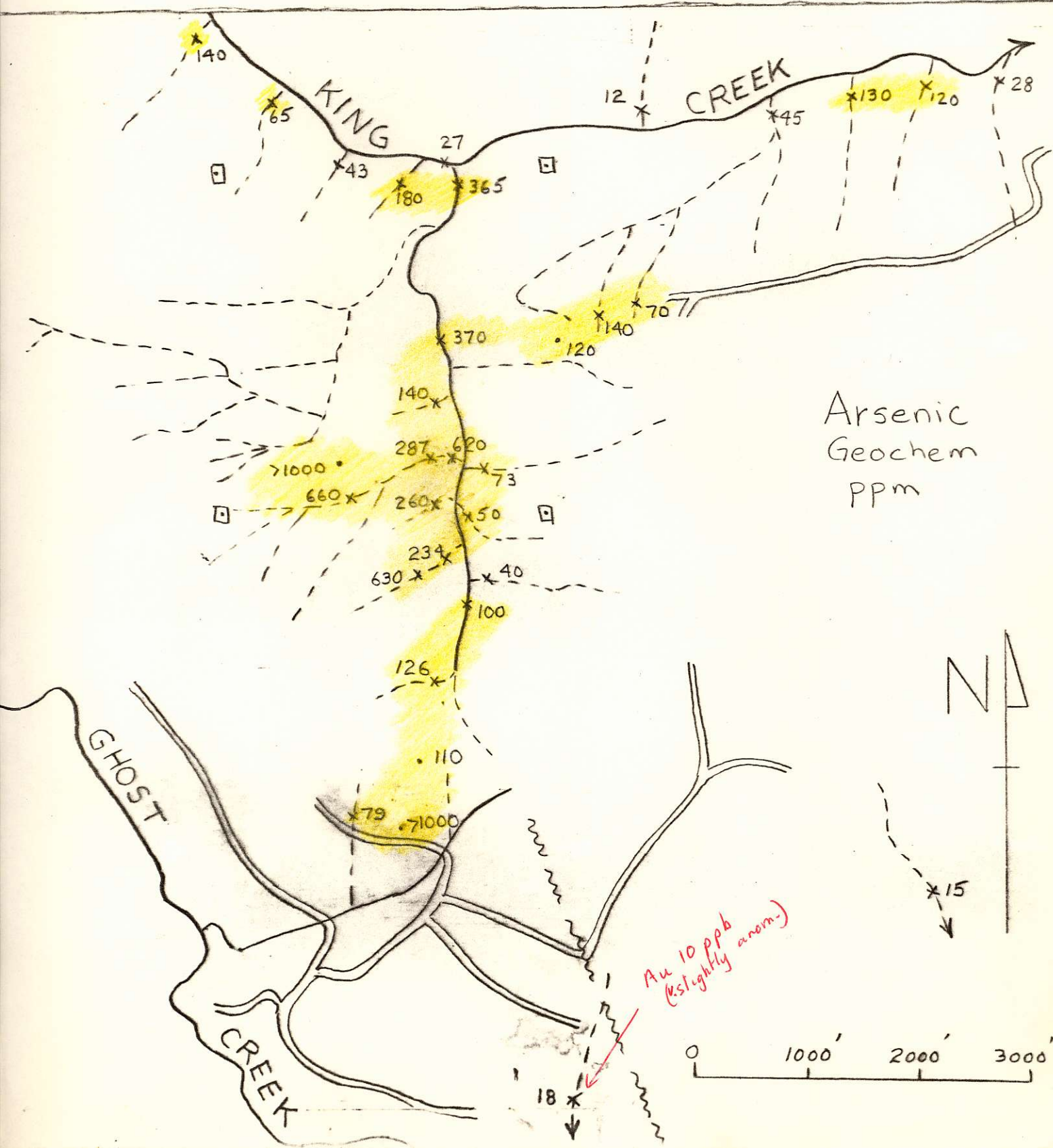
+500'

Silic now erratic, but water in  
ck has hi Fe.

lgtz vn. 3" w

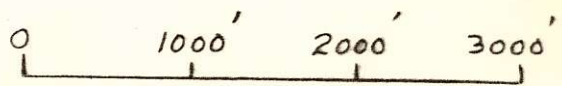
Flt follows ck. in this area.

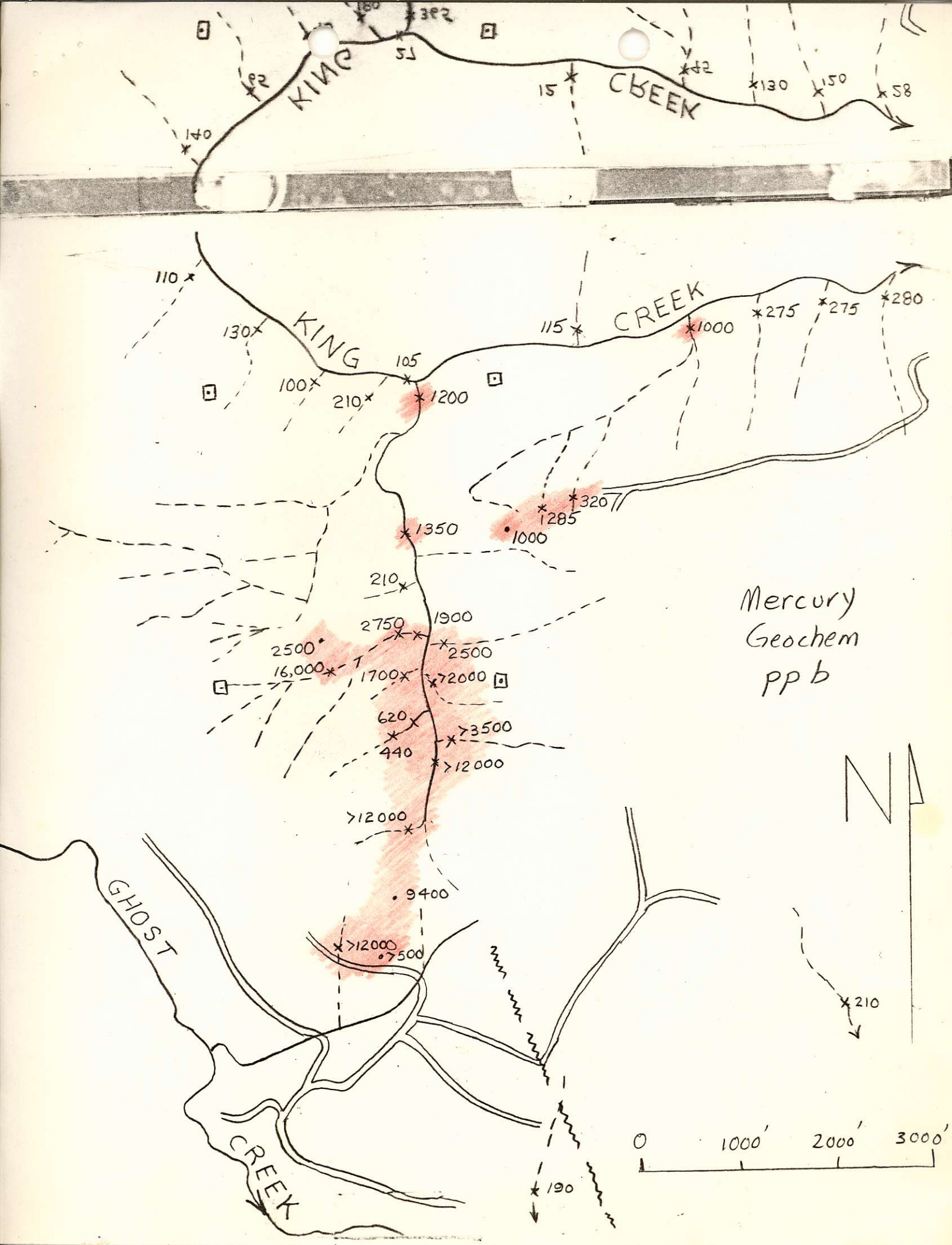




Arsenic  
Geochem  
PPM

*Au 10 ppb  
(slightly anom.)*







KING CREEK SAMPLING

6 Aug 77

- DA-K-1 Greenish grey, hard, fine grained rock with dark (Mn?) irregular patches, thin white veinlets, and very minor carbonate content.
- DA-K-2 Grey, soft, brown weathering rock of almost intrusive appearance. Occasional quartz eyes. No carbonate. From sheared zone, 4' wide.
- DA-K-3 Conglomerate. Pebbles include dioritic, cherty, and probable volcanic compositions. Moderately silicified. (Float)
- DA-K-4 Pale green to grey, soft, fine grained possible tuff with irregular black (Mn?) markings and rare quartz eye. High carbonate content.
- DA-K-5 Limestone, black, slaty.
- DA-K-6 Limestone, black, argillaceous
- DA-K-7 Conglomerate, highly silicified, pyritic, and rather cruddy.
- DA-K-8 Conglomerate, pyritic, moderately silicified.

D. A.