

KRAIN DDHs.

010218

K-1	- 90°	213'	✓
2	- 90°	300'	x
3	- 90°	529'	x
4	90°	556	x
5	90°	470	x
6	90'	497	x
7	90°	380	x
8	90°	346	x
9	90°	188	x
10	90°	250	x
11	-30°	347	x
12	90°	349	x
13	90°	367	x
14	90°	348	x
15	-45°	347	x
16	-30°	260	x
17	-35°	278	✓
18	-50°	269	x
19	-50°	500	x

{ Old Series  
6025

old series  
↓

K-20	- 45°	221	✓
21	- 45°	350	✓
22	- 50°	155	✓
23	- 45°	498	✓
24	- 45°	460	✓
25	- 35°	400	✓
26	- 45°	431	✓
27	- 50°	386	✓

{ Pasture  
3,670

2590

D-1 [drilled in 1956]  
approx -46°

9695'  
6478  
3217

401

(on D.W.)

10,096  
6478  
3618

N-1

424

[drilled in 1956]

C  
10,000  
6,500  
4,500

6478  
2630  
9108

6025  
3670  
9695



Kham

65-19	5774		
-15	5723		
-7	5560		
-11	5682		
-2	5570	1516.	4050
-8	5573		
-3	5594		4480

~~-1 (-60 SW) 5556~~

66-1 5562 (500) - 5062

65-16 60 5581 5200

65-10 5515

-13 5628

65-14 5460

65-12 5475? (5475 in book)

- 65-10 ✓
- 21 ✓
- 18 ✓
- 20 ✓
- 22 ✓
- 11 ✓
- 13 ✓
- 9 ✓
- 19 ✓
- 15 ✓
- 16 ✓
- 17 ✓
- 112 ✓
- 114 ✓
- 17 ✓

ok till to do.

Check for photoz of  
S-30-S-33.

~~JH. Cannon 1A/C. cheque for \$70 paid Aug 1945 L. Rank~~

Know DDHs still to plot.

~~5-65~~  
~~6-61~~  
~~6-2~~  
~~7-~~  
~~10-~~  
~~11-~~  
~~12-~~  
~~13-~~  
~~14-~~  
~~15-~~  
~~17~~  
~~18~~  
~~19~~  
~~20~~

~~7~~  
~~10~~  
12  
14  
17

Leh 5720

- # 21 5575
- # 20 5650? ~ 5675
- # 23 5600
- # 22 5575 (n 5500)
- # 15 5650

subtract 50  
to make equivalent  
to plotted elev<sup>ns</sup>.

---

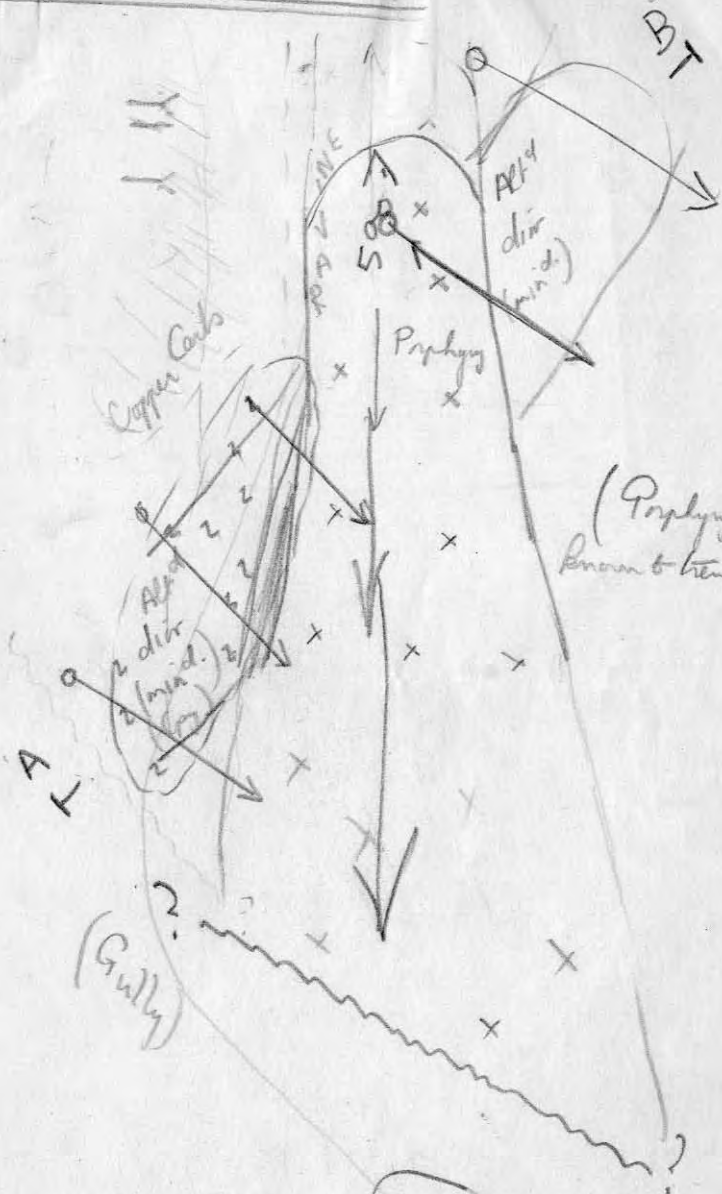
P in # 9 & 11 : either flat or steep W<sup>d</sup> dipping (Bethel? domed  
N-S beneath gen. ?)

P in # 18 : upper (W<sup>n</sup>) contact drops W-ward to # 2, ~~apparently~~  
~~is dipping~~ is at about the same height in # 18 as in # 1.



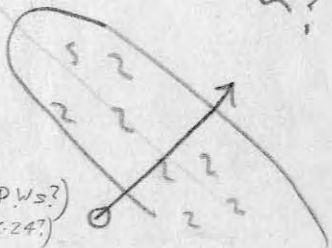
① Talk with Bill Viola, Feb. 18, 1956 (A. Sherman Young)

Kram.



2 2 Myte anomalies

(on D.W.S.?)  
(or K.24?)

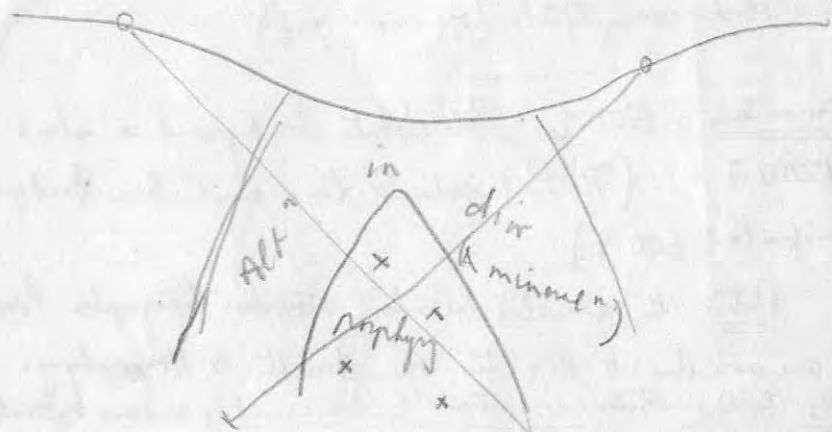


② (Kraun (cont.))

A

metre anomaly

B



(Either the amphib plays S-ward or is cut off against a fault).

Values.  $7\frac{1}{2}$  mill. tons of 0.5% Cu. Are very constant; tend to increase slightly in depth. No bornite, only one minor fraction of chalcocite, at depth 50', where ~~expected~~ (projected?) base of oxid zone would be. Pyrite is present. ~~Alb~~

Alteration. Kaolin, chlorite. No sericite, alb<sup>n</sup>, etc. Little or no hematite.

The Carbonate Problem: There are sulphides below it but none in it, & there is a gap of ca. 60' between the two levels. No remaining sulphides suggests transported origin - n.b. the alluvial stuff above, & beneath the vales. Nonetheless, leaching is not absent for the primary sulphides to the E. The aver. grade of the carbonate mass is 0.81% Cu.

③ Viola says the Kram body, if overworked, is eminently suitable for block-carving, as since values don't come in for several hundred feet of depth, is not an open-cast proposition. Possible costs per ton: block-carving 90¢ (open-cast 70¢).

Mt. Anomalies: 500γ. The diurnal background is about 1200 γ. (The Bettsaida G has a much lower background - of about 600 γ).

Note: the anomalies lie along ~~strata~~ topographic lows, are more due to the alt<sup>n</sup> than strictly to the porphyry. [All "FarWest-Bronck" interest has been covered by airborne magnetometer.]

A further anomaly drilled ~~about~~ at trenches on Kram ground close to where new (N<sup>n</sup>) Kram road takes off from Palms Prince road N of Trojan camp. Only alteration found - no significant values (Ho's some mineral<sup>n</sup>). [Is this where the Younger QD (or at least, an intrusion or contact of coarse & fine QD) has been traced on fodge ground, & is somewhat mineralized?]

Bettsaida. More or less dead.  
The Bettsaida G has a sufficiently lower susceptibility that its contacts can be traced by magnetometer. Its internal pattern is "ridged" on N60W trends, which is main direction of cleaving. NB. Anomalies due to intense alt<sup>n</sup> are not likely to be readily apparent in this rock type.  
The contact crosses the NW corner of Bettsaida ground, as indicated by ~~airborne~~ magnetometer.



(4) We discussed the qtz inclusion. Sirola suggests it to be  
Bache Bk, though not wholly comparable to the "cherty" types usual  
in the Bache Bk. series. None other seen in whole of Valley!

Sirola examined the Bache Bk rocks at Spraggum (ca. 2  
miles S on Thompson from Ashcroft) at margin of the Gleichen  
block, with Bud Rye (prospector). There are great  
boulders of felsitic agglon, mineralized.

Miners Development has been incorporated into Sheila  
Copper Co (Sheel is intending a self-potential survey of the  
latter's holdings).

Sirola knows of no work being done on the Glossy group  
— didn't think any was.

New Jersey Zinc Co's holdings are reached from  
Spence Bridge.

Hamlin B. Hatch (Jericho Mines, etc.) hopes Phelps-  
Dodge will enter their picture. They have put in one  
DDH so far.

Sherman Tough, in conversation with Rutherford, couldn't  
get confirmation of  $1\frac{1}{2}$  mill. tons of near-ore grade at  
Sheena Silver. [Bill White reported to be impressed  
by Sheena Silver at our visit there — probably by virtue of  
geometry alone. He was also impressed originally by Bethesda].