

VEN trenching.

860490

note: line no. locations are scaled off soil maps. (UTM)

trench locations:	<u>anomalous metals</u>	<u>length</u>
① line 27+00 E 56+00 → 58+00 N	Cu + Zn + Ag + Au	200 m
② line 15+50 E 78+00 → 80+00 N	Zn + Cu + Ag	200 m.
③ line 23+50 E 54+00 → 55+50 N	Zn + Cu + Ag.	150 m.
X④ line 21+50 E 57+00 → 59+00 N	Zn + Ag.	200 m.
⑤ line 31+00 E 71+50 → 72+50 N (as close to creek as possible)	Zn + Cu + Ag + Au?	100 m.

Total 850 m.
- estimate 150 hr. including access.

Contracting

- Joe Hidber 846-5463
- backhoe mounted on skidder.
 - 10 hr/day. \$55-60 / hr. (all inclusive)
 - + move and de-move.
 - available for the month of May only!
 - (if more than 1 month - he will pay for de-move.)

contingency:

✓ ⑥ line 23+50 E 64+00 N → 67+00 N	Zn + Ag.	300 m.
		950 m.

total 15 days @ 10 hr/day = 150 hr @ \$60/hr = \$9000

DUAL CLAIMS.

ROCK DESCRIPTIONS.

SAMPLE #

DESCRIPTION.

38029

FROST HEAVE OR TALUS FROM DUAL 6.
Dark greyish-brown silicified tuff. 2-3% disseminated chalcophyrite. Possible trace chalcocite. Abundant malachite staining.

38030

Light grey intensely argillic altered feldspar porphyry. Moderate to weak fracture intensity. Dark grey amorphous silica plus microcrystalline pyrite fill fractures. Minor (<1%) disseminated microcrystalline pyrite throughout. Weak iron-oxide staining on weathered surfaces.

38031

FROST HEAVE OR TALUS FROM DUAL 6.
Similar to 38029. Dark greyish-brown tuff. Moderate to intense fracture. Silicified. Occasional massive coarsely crystalline pyrite vein. Occasional pyrite + pschodite + minor chalcophyrite vein. Minor disseminated chalcophyrite. Trace magnetite. Moderate malachite stain.

EQTY03 * AIVEN - DAFS.

Aive-

Limits. XMIN = 0001
 XMAX = 5000
 YMIN = 4000
 YMAX = 9000
 SCALE = 10,000

Zn. contours. 90, ~~120~~ - only. C1
 Cu contours. 30, 60 C2.

XMIN = 500 800	Cu	Fig 4	A1	M1
XMAX = 4000 3500	Zn	Fig 5	A2	M2
YMIN = 4500 4800	Pb	Fig 6	A3	M3
YMAX = 8500 8300	Ag	Fig 7	A4	M4
	Au	Fig 8	A5	M5
	As	Fig 9	A6	M6

1:10,000 scale.

Figure 4. Cu^(ppm) in Soil

E.S.M.L.

Aiven Claims

Soil sample Locations

01-2
 S1-2,4,5,35,
 M1 2,3,4,6
 V1 2 3
 A1, 6

Pop. Distribution

Cu - 30 Histo, 25 Prob. P. (Non log), 25 Prob. P. (log).
- there is a break at 15 ppm as well!
- use 30 as threshold.

0-14

15-29 ●

30-59 ●

60+ ●

Zn - 90 Histo, 75 Prob. P. (non-log), 70 Prob. P. (log).
- use 75 as Threshold.

0-49

50-74 ●

75-99 ●

100+ ●

15 75-89 ●

20 90-129 ●

130+ ●

As - lots of .5, stats indicate anything higher than 2.

4-6 ●

7-9 ●

10+ ●

? Questionable Science!

Pb - 10 Histo, 12 Prob. P. (log)

0-8

8-12 ●

12-15 ●

16+ ●

?

Ag ?

An

.02, .03 ●

.04 .06 ●

.08-.1 ●

Aiven Soils

Correlation Matrix - No Log Transform

Cu - Ag - Zn - Au - As

Zn - Cu - Ag

Ag - Cu - As

Au - Cu - As

As - Ag - Cu

Correlation Matrix - Log Transform

Cu - Zn - Ag - Pb - Au

Zn - Cu

Pb - Cu

Ag - Cu

Au - Cu

As - Ag

Conclusion

Cu has a positive correlation with all the metals analyzed. Highest with Zn and Ag, lower with Au, As, Pb. There is a Cu-Zn-Ag correlation.

Zn has Cu - Ag as above.

Pb has weak correlation with Cu. Probably not of any significance since Pb values so low.

Ag has Cu-Zn as above. Plus Ag - As

Au has weak correlation with Cu.

As has Ag correlation as above.

Summary

Cu - Zn - Ag } plus weak Cu - As
Ag - As } Cu - Au
Cu - Pb