

To

J. G. Simpson

Date

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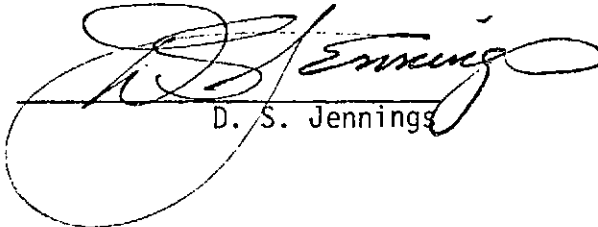
From

D. S. Jennings

Subject

Appended are the results of five inter-laboratory comparisons of standard sulphide samples HV-1 and RU-1 supplied by the Minerals Research Program of Energy Mines and Resources Canada.

Inspection of Table 1 shows Can-Test, K.R.A.L. and Bondar-Clegg to be superior quality, whereas Min-En and Whitehorse Assay are not acceptable. Cost comparisons shown in Table 2 strongly favour K.R.A.L. as does their turn-around scheme and familiarity with the Anvil District ores. Based on this comparison and discussions with Bert Cook towards the same end, it is recommended we send all DY exploration core and all Mine assay and re-assay core to K.R.A.L.



D. S. Jennings

DSJ/cb
Attach.

c.c. D. J. Hanson
J. P. Franzen
S. Buziak ✓
R. E. G. Davis
R. Cook
J. C. Devitt
J. Olk

TABLE 1

Interlaboratory Comparison: HV-1 and RU-1

HV-1

<u>Laboratory</u>	<u>Cu</u>	<u>Mo</u>			<u>Remarks</u>
Recommended	0.522	0.058			
Min-En	0.501	0.053			Good
Can-Test	0.52	0.06			Excellent
K.R.A.L.	0.52	0.058			Excellent
Bondar-Clegg	0.52	0.057			Excellent
Whitehorse	0.51	0.046 (converted from $\text{MoS}_2 = 0.077$)			Not acceptable

RU-1

<u>Laboratory</u>	<u>Zn</u>	<u>Cu</u>	<u>Fe</u>	<u>S</u>	<u>Remarks</u>
Recommended	2.237	0.854	24.40	21.62	
Min-En	2.28	0.781	26.70	20.30	Not acceptable
Can-Test	2.24	0.85	24.40	21.60	Excellent
K.R.A.L.	2.24	0.85	24.40	21.60	Excellent
Bondar-Clegg	2.20	0.84	24.30	21.70	Excellent
Whitehorse	2.16	0.81	22.98	22.28	Fair

TABLE 2

Interlaboratory Cost Comparison

✓ ✓ ✓ ✓ ✓
Ag, Pb, Zn, Cu, Fe_S, Fe_I, Ba, S.G. (400 samples)

Kamloops Research and Assay Lab:

\$28.74 each

(Each element @ \$2.86, Ba @ \$8.08, S.G. @ \$3.50;
Turnaround: Cu, Pb, Zn, Ag in 48 hours via telex
Faro and Vancouver for 40 samples, remainder in
72 hours; 72 hours on everything for 80 samples)

Can-Test:

\$39.90 each

(20% off price list to 1,000 samples; 25% off
price list after 1,000 samples; S.G. @ \$3.50;
Turnaround: Cu, Pb, Zn, Ag in 5 days)

Bondar-Clegg:

\$40.00 each

(approximately 15% off price list, S.G. @ \$3.50;
Turnaround: 5 days).