

THE CONSOLIDATED MINING AND SMELTING COMPANY OF CANADA, LIMITED

CABLE ADDRESS
"COMINCO"

Sullivan Concentrator,
Chapman Camp, B. C.
September 13, 1951.

SEP 17 1951

Ans Sept 17

Dr. Kingsley Kay, Chief,
Industrial Hygiene Laboratories,
Dept. of National Health and Welfare,
200 Kent Street,
OTTAWA, Ontario.

Dear Dr. Kay:

Herewith are arsenic determinations on various waters in the Yellowknife area.

It is interesting to note that the arsenic level of Pud Lake water is holding at about a half that which was maintained before the spring run-off. I think we can attribute this to a flushing out of the arsenic which accumulated during the experimental period of fume collection. Some further improvement may show up after another clean-up of the area at the next run-off. Waste waters which enter Pud Lake carry some arsenic but the poundage is not sufficient to cause concern. I am preparing a report covering this ~~and certain other small increments to the waste water~~, which will go forward to you shortly.

Con Domestic Water	
Date	Mgs. As/L
June 1, 1951	.01 ✓
June 9, 1951	.01 ✓
June 22, 1951	.015 ✓
June 29, 1951	.01 ✓
July 20, 1951	.01 ✓
July 27, 1951	.02 ✓
Aug. 4, 1951	.02 ✓
Aug. 11, 1951	.01 ✓
Aug. 18, 1951	.02 ✓
Aug. 25, 1951	.015 ✓

Yellowknife Domestic Water	
Date	Mgs. As/L
June 1, 1951	.04 ✓
June 9, 1951	.03 ✓
June 22, 1951	.025 ✓
June 29, 1951	.01 ✓
July 20, 1951	.01 ✓
July 27, 1951	.03 ✓
Aug. 4, 1951	.02 ✓
Aug. 11, 1951	.01 ✓
Aug. 18, 1951	.02 ✓

Kam Lake, North End	
Date	Mgs. As/L
June 6, 1951	.6 ✓
June 22, 1951	2.0 ✓
July 27, 1951	1.7 ✓
Aug. 11, 1951	2.4 ✓
Aug. 25, 1951	2.8 ✓

Kam Lake, West Side, Near Grace Lake	
Date	Mgs. As/L
June 15, 1951	1.9 ✓
June 22, 1951	1.9 ✓
July 27, 1951	2.0 ✓
Aug. 11, 1951	2.4 ✓
Aug. 25, 1951	2.8 ✓

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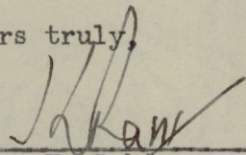
CONTINUATION OF LETTER TO Dr. K. Kay

Pud Lake	
<u>Date</u>	<u>Mgs. As/L</u>
June 15, 1951	22.5 ✓
June 22, 1951	18.35 ✓
July 27, 1951	19.15 ✓
Aug. 11, 1951	21.0 ✓
Aug. 25, 1951	16.4 ✓

Rat Lake	
<u>Date</u>	<u>Mgs. As/L</u>
June 15, 1951	1.3 ✓
June 29, 1951	1.3 ✓
July 27, 1951	1.0 ✓
Aug. 11, 1951	2.0 ✓
Aug. 25, 1951	2.0 ✓

Frame Lake	
<u>Date</u>	<u>Mgs. As/L</u>
June 15, 1951	.37 ✓
June 22, 1951	.30 ✓
July 27, 1951	.38 ✓
Aug. 11, 1951	.38 ✓
Aug. 25, 1951	.50 ✓

Yours truly,


K. Raht

K.R:ij

cc: W.G. Jewitt
H.C. Geigerich
G.E.B. Sinclair
Dr. O.L. Stanton
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