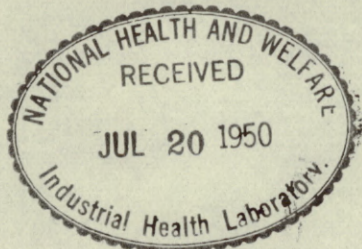


# THE CONSOLIDATED MINING AND SMELTING COMPANY OF CANADA LIMITED

CABLE ADDRESS  
"COMINCO"



CHAPMAN CAMP, B. C.,  
July 14th, 1950.

Dr. K. Kay,  
Chief Industrial Health Laboratory,  
Department of National Health & Welfare,  
OTTAWA, CANADA.

Dear Dr. Kay:

Herewith are arsenic determinations  
on various water specimens taken in the vicinity  
of the Con property, Yellowknife, N.W.T.

These figures are the ones which I  
gave you on the memo paper during your visit to  
Yellowknife.

Yours, truly,

A handwritten signature in dark ink, appearing to be "K. Raht".  
K. RAHT.

KR/11  
Encl.



WATER SAMPLES

<u>Location</u>	<u>Date</u>	<u>Mgs. As/L</u>
Con Domestic Water	May ✓ 22	.085
Con Domestic Water	May ✓ 25	.075
Con Domestic Water	May ✓ 27	.10
Con Domestic Water	June ✓ 5	.04
✓ Con Domestic Water	June ✓ 12	.025
Con Domestic Water	June ✓ 20	.09
Con Domestic Water	June ✓ 22	.04
Con Domestic Water	June ✓ 27	.04
Yellowknife Domestic Water	May ✓ 22	.075
Yellowknife Domestic Water	May ✓ 26	.065
Yellowknife Domestic Water	May ✓ 29	.10
Yellowknife Domestic Water	June ✓ 5	.05
Yellowknife Domestic Water	June ✓ 19	.09
Yellowknife Domestic Water	June ✓ 24	.025
Yellowknife Bay At Town Intake	June ✓ 5	.075
Yellowknife Bay at 20 Yds. Out	June ✓ 5	.125
Yellowknife Bay at 50 Yds. Out	June ✓ 5	.09
✓ Yellowknife Bay at 100 Yds. Out	June ✓ 5	.05
Kam Lake	May ✓ 19	.15
Kam Lake	May ✓ 26	.175
Kam Lake	June ✓ 2	.10
✓ Kam Lake	June ✓ 9	.30
✓ Kam Lake	June ✓ 16	1.45
Kam Lake	June ✓ 24	1.5
Kam Lake-NORTH END	June ✓ 24	1.5
Pud Lake	May ✓ 19	8.3
Pud Lake	May ✓ 25	11.9
✓ Pud Lake	June ✓ 2	19.0
✓ Pud Lake	June ✓ 8	31.5
Pud Lake	June ✓ 16	30.0
Pud Lake	June ✓ 27	34.5
Rat Lake	May ✓ 17	.20
Rat Lake	May ✓ 26	.20
✓ Rat Lake	June ✓ 2	.125
Rat Lake	June ✓ 9	.20
Rat Lake	June ✓ 16	.20
Rat Lake	June ✓ 24	.20
Grace Lake	May ✓ 22	.04
Grace Lake	May ✓ 26	.038
✓ Grace Lake	June ✓ 9	.09
✓ Grace Lake	June ✓ 16	.09
Grace Lake	June ✓ 24	.10

42

42 samples



-2-

<u>Location</u>	<u>Date</u>	<u>Mgs. As/L</u>
✓ Sand Lake	June ✓ 12	.15
✓ Sand Lake	June ✓ 19	.30
✓ Sand Lake	June ✓ 24	.15
Con Intake, Yellowknife Bay at Intake	May ✓ 27	.10
Con Intake, Yellowknife Bay 20 Yds. from Intake	May ✓ 27	.11
✓ Con Intake, Yellowknife Bay 50 Yds. from Intake	May ✓ 27	.08
✓ Con Intake, Yellowknife Bay 100 Yds. from Intake (Beyond Mosku Island)	May ✓ 27	.10
<i>Mosher</i>		
<u>RUN OFF WATER</u>		
✓ Swamp Waters from North End of Crank Lake, Draining to Rat Lake	✓ April ✓ 19	3.9
	May ✓ 8	1.6
	May ✓ 17	1.6
	May ✓ 27	4.2
	June ✓ 1	2.9
	June ✓ 10	2.7
	June ✓ 15	3.4
✓ Water from Swampy Area at S.W. of Rat Lake, Draining to Rat Lake	✓ April ✓ 19	2.5
Swamp Water Near Negus Road N. East of Crank Lake	✓ April ✓ 19	5.4
	May ✓ 11	1.7
	May ✓ 18	2.5
	May ✓ 27	3.1
	June ✓ 1	3.8
	June ✓ 15	3.2
✓ Swamp Water from Swamp N.E. of Crank Lake Draining toward Con Gardens	Apr. ✓ 19	1.1
	May ✓ 8	5.2
	May ✓ 18	.8
	May ✓ 27	.9
(Water in Lumber Yard)	June ✓ 1	.5
(Water in Lumber Yard)	June ✓ 15	1.0
(Water in Gardens)	June ✓ 10	.12
✓ Run off through Contaminated Tailings area to Pud Lake	Apr. ✓ 19	36.8
✓ Run off through Contaminated Tailings area to Neal Lake	Apr. ✓ 19	28.9
✓ Run off through Contaminated Tailings area to Pud Lake	May ✓ 25	44.0

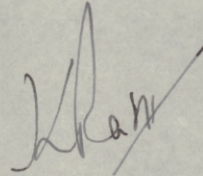
31

31 samples



-3-

Above two areas draining over old tailings should be at at a minimum soon as accumulated ice is gone. Future run-off from this area should be relatively minor.

A handwritten signature in dark ink, appearing to be 'H. C. Giegerich', with a long diagonal stroke extending from the bottom right.

cc: Mr. W.G. Jewitt,  
Mr. H.C. Giegerich,  
Mr. C.E. White,  
Dr. O.L. Stanton,  
Mr. R.A. Gibson,  
File.