

Investigative Report
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Ottawa, February 23, 1928

North American Lead & Refining Co. Ltd.
Ogema Mine, Dorion, Ont.

Atten: Mr. D.C. Kemerer, Mgr.

Dear Sirs:

Replying to your enquiry of the 17th. I beg to advise that the test work has been completed on your ore. The report on it is in preparation and will be submitted to you shortly. In the meantime I beg to give you the results:

Small scale batch test:

Product	Weight %	Assay				% of values			
		Pb %	Zn %	Au oz	Ag oz	Pb	Zn	Au	Ag
Lead conc.	24.3	65.45	2.84	0.02	0.66	98.8	64.4	99.0	99.0
Tailing	75.7	0.16	0.05			1.2	35.6		

Large Scale Continuous test:

Flot. conc.	53.91% Pb	Tailing	0.05% Pb
" "	60.44%	" "	0.07%

From the results of these tests you will have no trouble making a high grade lead concentrate assaying above 65% lead, with a very high recovery of the lead values. The small batch tests showed a recovery of 98.8% and the larger tests will show even higher recoveries. What gold and silver values are present report in this concentrate.

Yours very truly,

W. B. Timm,
Chief, Division of Ore
Dressing and Metallurgy

North American Lead & Refining Company
Limited

EXECUTIVE OFFICE:
310 CANADIAN PACIFIC EXP. BLDG.
MONTREAL, QUEBEC

OGEMA MINE, DORION, ONT.

Feb. 17, 1928.

The Ore Dressing Laboratories,
Minis Branch.
Dept of Minis.
Booth St. Ottawa.

Dear Sirs.-

Several months ago we sent 1300 lbs
of ore from our "Ogema" Mine for a concentration
test; I have no word about this test and do not
know if you received the ore - if not I will take
the matter up with the C. P. R. and have a tracer
put on.

Very truly yours.

Don C. Kurrer, Mgr.
North American Lead -

April 5, 1928

From: Chief, Division of Ore
Dressing and Metallurgy

To: The Director, Mines Branch

Subject: Report on lead ore from -
NORTH AMERICAN LEAD REFINING CO.

I submit herewith the report of the Ore Dressing and Metallurgical Laboratories on a shipment of lead ore from the Ogema mine, submitted by the North American Lead Refining Company, Dorion, Ont.

Respectfully,

W. B. Timm,
Chief of Division

COPY

North American Lead Co.

Jan 28

Test No. 1

Took two bags a random and crushed to -14 mesh

Charge 2000 grams -14 mesh ground in new Denver ball mill

15 minutes. Soda ash added 5 lb/ton Floated in Denver Sub A

with Xanthate and pine oil

Test run from grab sample

Product	Weight %	<i>Assay</i>				<i>Percent of Value -</i>			
		Pb%	Zn%	Au/gg	Ag/gg	Pb	Zn	Au	Ag
Lead conc	24.3	65.45	2.84	0.02	0.66	98.8	64.4	99.0	99.0
Tailing	75.7	.16	0.05			1.2	35.6		

North American Lead & Refining Company
Limited

EXECUTIVE OFFICE:
310 CANADIAN PACIFIC EXP. BLDG.
MONTREAL, QUEBEC

OGEMA MINE, DORION, ONT.

Dec. 13, 1927

The Director,-
Munro Branch, Dept of Mines.
Ottawa, Ont.-

Dear Sir:

Attached is our application for experimental work: The 1500 lbs of ore is going forward to-day. Tuesday - Dec. 13th from Dorion Station on the C.P.R. by freight as per your advice of Dec. 6, 1927.

Yours very truly

Don C. Smurver
Mgr. Ogema Mine.

APPLICATION FOR EXPERIMENTAL WORK

The Director,
Mines Branch, Department of Mines,
Ottawa, Ontario.

I herewith make application for experimental tests on a shipment of ore, as follows:—

Approximate weight of shipment in pounds.... 1500 lbs
 Nature and character of ore.... Lead Ore with small
 percentage of zinc, 1 ounce silver, trace Gold.
 Principal mineral constituents.... Lead 15 to 25% - Zinc 1 to 3% -
 "Jange Material" Quartz and Mica Schist.
 Location of property from which shipment was taken... T.B. 4447
 Dorion Township, Thunder Bay Mining District.
 Exploratory work done on property to date... Surface explored on 2000' of vein -
 Shaft down 162 feet - station
 cut at 125' and drifting East + West on this level - approx
 Development work done on property to date... 36' each way - Shaft is in
 ore at 162' and has been from the surface on down - both
 drifts along the vein in ore, mostly Lead.
 Nature of test work to be conducted... Determination of best
 mill practice for our ore.
 Owner of property... North American Lead + Refining Co. Ltd.
 Address of owner... Dorion, Ont.
 Further remarks... Channel Sample across 4 feet in the West
 drift on the 125' level run 27.97% Lead and small % Zinc -
 The 1500 lbs forwarded are from this drift. This is
 neither our highest or lowest grade.

I also submit by mail representative sample of shipment for your advice as to its economic value, whether it is desirable that test work should be conducted, and whether shipment is to be made by freight or express.

Yours truly,

Name... North American Lead + Ref Co Ltd.
 Address... Dorion, Ont.

Copy for information of Mr. Timm.

Received

Ottawa, December 6, 1927.

Don. C. Kemerer, Esq.,
Manager, North American Lead
& Refining Co., Ltd.,
Ogema Mine,
Derion, Ont.

Dear Sir,

Referring to your request of November 30 for instructions as to how to send 1,500 pounds of your mill-run ore for test as to methods of concentration, I am enclosing herewith copy of a pamphlet describing conditions under which tests are made, and would suggest that you ship the 1,500 pounds, properly identified, by freight, addressed to The Ore Dressing Laboratories, Mines Branch, Department of Mines, Booth St., Ottawa; freight prepaid. Please advise when shipment is made.

Yours very truly,

(Signed) John McLeish.

Director, Mines Branch.

Copy.

NORTH AMERICAN LEAD & REFINING COMPANY, LIMITED.

Ogema Mine, Dorion, Ont.

Executive Office,
310 Canadian Pacific Exp. Bldg.,
Montreal, Que.

Nov. 30, 1927.

Dear Sir,

We are desirous of obtaining a test run of our regular vein material from the above mine to ascertain the most economical mill treatment of our ores.

These ores contain from channel samples from 25 to 60% lead in the richer portions of the vein, width varies from 12 to 48" and another portion of the vein containing mixed lead and zinc. The galena occurs in fine and coarse crystals, and it is our desire to find out if a flotation system of recovery is required.

I have 1500 lbs. of vein material - average mill run as closely as possible - from the west drift on the 125' level, bagged and ready for shipment. Will you please send necessary instructions, and oblige,

Very truly,

(Signed) Don C. Kemerer.

Mgr.

The Director,
Mines Branch,
Department of Mines,
Ottawa, Ont.