

YALE LEAD ENTERS PRODUCING RANKS

250-Ton Sink-Float Plant, 150-Ton Concentrator Installed on Ainsworth, B.C. Property

Another new base metal mine has been added to the expanding list of Canadian producers with the start of milling by Yale Lead and Zinc Mines on its Ainsworth, district of British Columbia, property.

"The first few days of milling offer every reason to believe that the mill will operate efficiently and with a minimum of trouble," Manager H. D. Forman reports to Toronto principals who provided \$360,000 through a bond issue to construct the 250-ton per day sink-float plant and 150-ton per day concentrator.

Milling was commenced on April 9th with all equipment working satisfactorily. Tune-up is being carried out on a 4,000-ton stockpile of ore that accumulated from development work and that is expected to grade 5% combined lead-zinc or better. Following a week's running, a better grade ore from the Highlander section of the extensive property is to be mixed with the stockpile and millheads will be raised.

Head values during the early months of production can be expected to vary widely, Mr. Forman says, since sources of ore will vary from 4% metal content dump ore up to 16% combined metals from the better underground stopes. Following opening up of outlying properties and completion of further development at the Highlander section it is expected to be able to regulate feed at or near a 10% metal content.

Initial milling rate is low on account of some difficulty being experienced with a wet and sticky feed. This, however, is expected to be straightened out when the sink-float plant is swung into the circuit and screening and washing of the ore is carried out ahead of the secondary crushing circuit. The sink-float plant is completed with the exception of one small item delivery of which should be had in 10 days. Expectations are to have the sink-float section up to a rate of 200-tons per day by the end of this month.

Reach Capacity in June

Immediately after the snow goes at the higher elevations, work at rehabilitating the Eden, Crescent and Krao mines is to be started. It is figured that ore from these sources should be available by the end of June when it will be possible to increase daily tonnage to full capacity of 250 tons per day. The Yale Lead and Zinc holdings consist of some 30 properties that have been gathered together into the one organization. Work has been carried out spasmodically on some over a period of 50 years. The combined properties have a continuous length of three and one half miles on strike with seven known north-south veins and three transverse fractures that have been mined from time to time at various elevations along the zone.

From the work carried out it is estimated that reserves are in the order of 200,000 tons classed as "easily available" and having an average grade of 5% lead, 5.5% zinc and 3.1 oz. silver per ton. While it is still too early to determine costs it is estimated these will be not more than \$9 per ton and will leave an operating profit of about \$10 after all freight, treatment, mining and milling, etc., charges.

Main source of initial feed is the Highlander section where new development has been satisfactory with one high grade shoot partially explored as well as a large section of lower grade. Four stopes are being started here and are expected to provide a criterion of what grade may be expected if the Highlander vein is mined as a whole rather than mining the high grade shoots only. The Highlander north drift is now about 600 ft. south of the Banker tunnel and 450 ft. slope distance below it. Approximately six months is expected to be required to connect the latter workings with the main Highlander adit and make available for milling a high grade shoot developed there.

N.Y. Miner
19/4/51

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EDEN & CRESCENT 082FNE035
KRAO 082FNE080

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DEPARTMENT OF LABOUR
OFFICE OF
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VICTORIA

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TO THIS FORM PLEASE REFER TO

No.

March 31st, 1955.

THIRD REQUEST

STATISTICS OF WAGE-EARNERS EMPLOYED IN TRADES AND INDUSTRIES, ETC., 1954

The "Department of Labour Act," section 4 (d), requires this Department to collect such statistical and other information as may be deemed necessary.

For this purpose we mailed you a form on January 5th, 1955, and a second request on February 28th, 1955, to cover your operations for the year 1954, and at this date we have not received the completed form.

If the form mailed you has been lost or mislaid, another will be mailed on request. When requesting another form please give the number in the top right corner and address your request to:—

THE BUREAU OF ECONOMICS AND STATISTICS,
VICTORIA, B.C.

Yours truly,

A handwritten signature in cursive script that reads "D. H. Sands".

Deputy Minister of Labour.