

FRED J. HEMSWORTH  
Mining Engineer

672584

Telephone MUTual 4-7734

315 Credit Foncier Bldg.  
850 West Hastings Street  
Vancouver 1, B.C.

PROGRESS REPORT  
on the  
SHERITT-LEE MINES LTD.  
BEAVERDELL, B.C.

Introduction

The following progress report summarizes the work accomplished at the Sheritt-Lee Mines property at Beaverdell, B.C., during the four months from May to September 1960. The program has followed closely the recommendations outlined in my report of May 5th, 1960. Engineering records have been brought up-to date; exploration has yielded encouraging results and some development ore has been shipped to the smelter. In addition equipment has been added and improvements made both underground and on the surface to greatly increase the efficiency of the overall operation.

Engineering Records

Old maps of most of the various workings were available. With these as a basis considerable surveying was done, and new maps were prepared of the present development and its relationship to the older workings. The new maps were tied in to the Highland-Bell system of coordinates. The following new maps have been completed:-

(1) A plan of the Bounty Fraction workings on a scale of 30 feet to 1 inch showing faults, diamond drill holes, etc. This plan will be kept up-to date as the development headings are advanced.

(2) Similar plans have been prepared of the Bounty and Tiger workings on a 30 foot to 1 inch scale.

(3) A plan of the Bounty, Bounty Fraction, and adjacent claims on a scale of 100 feet to 1 inch showing all underground workings and surface exposures.

(4) A map of the crown-granted mineral claims on a scale of 300 feet to 1 inch, taken from government survey plans. This plan covers all the Sheritt-Lee claims, and extends into the adjoining Highland-Bell ground.

(5) A survey has been completed, preparatory to mapping, of the claims between the Bounty Fraction and the Balacclava to show the relationship of the gold-bearing vein to the silver shear zones, and also the local topography.

#### Development - Bounty Fraction

The 4172 crosscut had been driven 300 feet to intersect the shear zone on the Bounty Fraction, and drifts started east and west. Since May, 1960, the west face has been advanced to 260 feet from the crosscut and the east 195 feet. Seven development raises were driven following possible ore shoots. These vary from a few feet in height to 40 feet.

Stringers and local enrichments of ore were found in this development, particularly in the east drift and in some of the raises. Whenever possible the higher-grade ore is sorted out of the muck preparatory to shipping. One shipment of about 13 tons was made by truck to the Trail Smelter during August, and other shipments will be made as the drift progresses. Ore of low or intermediate grade is being put on a separate mill-feed dump.

There remains about 1200 feet of potentially favorable ground between the Bounty Fraction and Bounty claims. The 4172 east drift is being advanced at an elevation about 250 feet lower than the lowest Bounty level.

#### Bounty Claim

The portal of the lowest Bounty level was reopened, and the workings were rehabilitated. Diamond drilling is in progress.

#### Wellington

Soil sampling for zinc was carried out over part of the surface of the Wellington claim in an attempt to find the faulted section of the main vein west of the West Terminal Fault. The results were inconclusive due to the large amount of zinc present in most of the soil on the hillsides. It is not possible to determine whether the zinc was carried in from old ore dumps, or is due to local ore concentrations.

General

There has been considerable improvement in operational efficiency by the addition of new machinery. Two 600 c.f.m. portable diesel-driven compressors have been installed, and a mucking machine and several mine cars have been added. A new ore bin was built at the lowest level, a new road constructed to the bin, and separate waste and mill-feed dumps prepared.

Recommendations

The recommendations listed in my report are being carried out. In addition some bulldozer stripping is recommended particularly on the Bounty and Tiger claims. Rich sections of the shear displaced by flat faults may be discovered by this stripping.

Conclusion

Exploration results have been encouraging. The intricate fault problem is being resolved. A continued program of intensive development is recommended.

Respectfully submitted,

September 6, 1960

F.J. Hemsworth, P. Eng.

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On my last examination of the Sheritt-Lee Mine, encouraging results were noted, particularly in the 201 drift. This drift is following the Bounty Fraction mineralized shear toward the Bounty workings about 1,200 feet to the east.

A sample taken by the writer of the east face across 1.0 feet of heavy lead-zinc mineralization assayed 163.3 ounces silver per ton. In this section five back samples taken at seven foot intervals gave a weighted average of 42.6 ounces across 3.0 feet.

At 100 feet west of the face boxholes No. 7 and No. 9 have been raised to \_\_\_ feet above the drift floor. Back samples average 60.1 ounces silver per ton across 4 feet.

The drift to the east is being advanced two rounds per day. The last samples from the mine of the drift face show 1.0 feet of banded sulphides assaying 56.6 ounces silver per ton and 2.0 feet of altered rock assaying 20.5 ounces silver per ton.

The east drift is passing through virgin ground where no previous work has been done. It is 150 feet below the surface with the backs increasing as the drift advances eastward. The prospects are very favorable of additional ore shoots being developed in this area.

Respectfully submitted,

November 2, 1960

F. J. Hemsworth, P. Eng.