

HYLAND RIVER MINES LTD.

PROGRESS REPORT

August 15, 1966

Exploratory and assessment work was commenced on the various claim blocks of Hyland River Mines approximately the middle of May. Climatic conditions were such that the north country had a very late spring break-up period. As a result of the conditions, early work was confined to putting the claim lines in good shape and tagging the claims.

Mr. Cliff Turner and a crew of three carried out various forms of exploratory work during the summer. The crew were supplied with a magnetometer, portable gas hammer drill, four-wheel drive transportation and other necessities for adequate prospecting. Mapping supplies were adequately used by Mr. Turner.

A summary of the work carried out and the results obtained to date are recorded under the various claim groups listed below:

Lucy Group

A magnetometer survey was run on this group to substantiate the airborne magnetometer anomaly that was recorded by a government survey. The ground survey was conducted on a series of lines with 25' stations. A good response was recorded and showed that a strong, valid anomaly exists over most of the claim block. Constructive stripping, trenching and other surface work must still be carried out on the ground.

The rock types found consisted of phyllite schist and a minor dioritic intrusive. The schist occurs at a steep angle and has been cut by quartz veins. The general strike of the schist is N.45°W. The known

mineral deposits that occur on the Ventures claims, which lie 1-1/2 miles north of the Lucy group, occur in quartz within the phyllite schists. There are indications that a fault zone which occurs on the ventures ground is striking towards the Lucy group.

Due to overburden and talus conditions it has not yet been possible to establish emplaced mineral deposits, however some galena and sphalerite have been found in pieces of the talus material.

Further work is planned on this claim block.

Jan Group

Considerable work has been carried out on the Jan claims. A minor amount of magnetometer work has been carried out and a number of trenches have been dug or blasted on some of the mineralized showings.

The showings mainly consist of limestone replacement bodies which vary from 5 to 20 feet in width. A lower horizon of pyrrhotite bearing skarn was also observed but has not been investigated to any extent.

Essentially an intrusive quartz-monzonite cuts the altered sedimentary body and where the intrusive is in contact with the limestone beds good pyrrhotite and chalcopyrite mineralization is in evidence. Mineralization is constant throughout the skarn zones that exist.

The structure appears to be quite consistent over a good portion of the claim block. Minor faulting and shearing are extensive in the intrusive body.

Further work is definitely necessary on this group. Geophysical and geochemical surveys will be necessary in addition to surface trenching. The main showing occurs in quite a rugged area.

Assays that have been taken to date on this group are as follows:

Main Showing

	<u>Gold</u>	<u>Copper</u>
1. Grab	0.02 oz/ton	1.83%
2. Grab	0.02 oz/ton	2.25%
3. Grab	Trace	1.74%
4. Grab	0.84 oz/ton	1.87%

Secondary Show

Trench #1	Trace	0.22%
Trench #2	Trace	0.34%
Trench #3	Trace	0.44%
Trench #4	0.02 oz/ton	0.59%
Trench #5	Trace	0.39%
Trench #6	0.005 oz/ton	0.28%
Trench #7	0.01	0.64%
Trench #8	0.005	0.51%
Trench #9	0.06	0.37%
Trench #10	0.01	0.05%

The main showing is in a cliff-like area and consequently it has not been possible to carry out an adequate sampling program.

On the secondary show all trenches have been in heavily oxidized and fractured material hence the likelihood of surface leaching is extreme. However, it should be noted that every sample contained copper values.

Mineral outcrops on which further work must be done occur on Jan claims numbered 1, 2, 3, 4, 13, 15 and 16.

Miko Group

Limited work only has been carried out on the Miko group. Trenching has been done on claims No. 11 and 12, while an exploratory magnetometer traverse and prospecting have been done on mineral showings on claims No. 7 and 8.

Geologically a quartz monzonite body occurs in contact with cherty limestone and other types of sediment. The contact is generally sharp and easily distinguishable and occurs over the entire length of the 24 claims. The general strike of the sediments is easterly and the dip is to the southwest.

Mineralization consists of chalcopyrite, galena and sphalerite with resultant silver values. Cadmium is also present.

Assays taken on the claims have returned the following values:

1. Skarn zone well mineralized with sphalerite and pyrite.

Gold	.005 oz/ton
Silver	3.0 oz/ton
Lead	0.05%
Zinc	9.55%

2. Calcareous quartz monzonite

Silver	7.4 oz/ton
Lead	2.24 %
Zinc	2.75%
Gold	Trace

3. Well mineralized cherty limestone

Silver	0.30 oz/ton
Copper	1.81%
Lead	5.75%
Zinc	4.80%
Gold	Trace
Cadmium	0.02%

4. Coarse grained calcareous quartz-monzonite

Silver	4.20 oz/ton
--------	-------------

Lead	2.24%
Zinc	2.18%
Gold	Trace

5. Well mineralized cherty limestone

Silver	4.0 oz/ton
Lead	2.20%
Zinc	10.10%
Gold	Trace

Generally speaking, the main mineralization occurs in the sedimentary material but the monzonite in the contact region can carry mineral and these result in some of the values shown above.

Considerable work is necessary on this group to develop its true potential.

Midas Group

This group was staked on the general strike of the known mineral occurrences of the Jan group. Limited work on the group has produced negative results and the claims will likely be abandoned on their anniversary staking date.

Ace Group


These claims have not been investigated to date. The Norquest group are doing road building towards a drilling program on their adjoining ground and we are waiting to take advantage of the easier access.

This group is advantageously located between two of the main groups of claims held by the Norquest group, who are the main pioneers and developers of the Frances River area. It is postulated that the Tyers River fault, which is suspected as being responsible for the mineral deposition in the area, crosses the Ace group. Further work will be necessary to clear up the geology. The Norquest joint venture group consist of Anaconda, Asbestos Corporation, Bralorne-Pioneer, Granby,

New Jersey Zinc and Utah Construction and Mining.

General

1. Only a moderate amount of assessment and exploratory work has been carried out on the claim blocks but this work has been well organized and constructive in nature.
2. The resultant mineral showings on the ground have showed good structural character and will undoubtedly prove to be more widespread upon further work.
3. Assay results obtained to date are very promising and also indicate a good range of mineral commodities.
4. There are other mineral shows in the area which must be examined and if considered to be of worth-while character will be staked.
5. Time is an important factor since the exploratory season in the Yukon is short at best.
6. Our prospecting crews under the direction of Mr. Cliff Turner have done a creditable job this summer when weather and financial conditions are considered.
7. Assessment requirements for the year are more than covered on most groups.


F. L. Croteau, B.Sc.
P.Eng., P.Geol.