

TERRITORY OF ALASKA  
DEPARTMENT OF MINES

BRIEF LODE REPORT

FAIRBANKS MINING DISTRICT

HI YU MINEOWNER

Hi Yu Mining Company

REPORTED BY

Irving Reed

LOCATION

20 claims on the left limit of Fairbanks Creek and its tributary, Moose Creek.

HISTORY

The former owners, Crites and Feldman, opened this property up and started all the tunnels shown on the blue print and also did most of the surface prospecting that had been done up to this fall. They stoped out all the rich ore near the surface.

PRESENT DEVELOPMENT WORK

The present company has stoped out all the rich ore chute from the upper two tunnels which had been left by the former owners. These tunnels are numbered as follows in the company reports: No. 1 is the upper tunnel which is marked Adit No. 5-A on the map. No. 2 is the middle tunnel which is marked Adit No. 4-A on the map. No. 3 is the lower tunnel which is marked Adit No. 3-A on the map. There is still a lower tunnel than this which was the original tunnel driven in by Crites and Feldman when they opened up the property and which is not now being used. This is shown as Adit No. 2-A on the map. Tunnel No. 3 or Adit No. 3-A has been driven in about 200 ft. further than shown on the map. Two new stopes have been opened up above this tunnel. It is at present actively being extended into the hill along the vein. The ore is getting better the further the tunnel is driven into the hill and the expectation is that it will soon cut the rich chute that was found in the tunnel above. About 900 ft. back from the end of Tunnel No. 2 or Adit No. 4-A, a side tunnel or drift has been driven to the north in an attempt to intersect what is known as the North Vein, which outcrops along the Long Shin Quartz Fraction. This side drift was tending to turn to the east as shown on the map but has now been straightened and driven about 50 ft. further than shown on the map. Work is being done intermittently in this drift. The North

Vein is expected to be cut in another 100 ft. This fall the company ran a series of surface cuts with a bulldozer and has pretty well located in several places the surface outcrop of the north vein.

#### DEPOSITS

The Hi Yu Vein on which practically all the development work has been done has an almost vertical dip, practically east and west strike. It varies from 2 to 10 inches in width, averaging about 6 inches. The values are said to run from \$40 to \$70 per ton. The North Vein has also an almost east-west strike and a dip to the north of about 60 degrees. It is said to be 3 ft. wide but that the values are much lower than in the Hi Yu Vein.

#### EQUIPMENT

This mine is equipped with two 5-stamp Joshua Hendy stamp mills. Power is furnished with a Washington Estop diesel electric 165 H.P. plant to furnish power for both mill and mine. There are 2 compressors and both Gardner-Denver and Ingersoll-Rand stopers and jackhammers. All drilling machines are water liners.

#### EMPLOYMENT

At present there are from 20 to 22 men employed on this property.

#### CONCLUSIONS

Unless the north vein is cut and has a greater width and is more consistent in depth and strike than the present Hi Yu Vein, I do not see much future for the Hi Yu Mine except as a rather small sniping proposition. However, only further development will prove this.

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Irving Reed  
Associate Mining Engineer

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DIAGRAM

OF

RAISE AT HI-YU MINE, ALASKA

SCALE: 1 INCH = 20 FEET.

Sketch by Irving McK. Reed,  
Associate Mining Engineer

June 22, 1938

