

PE-086-02

FR PE (4)

PK  
86-2

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Valdez 86-2

The Little Giant Mining Co.  
Mineral Creek. K 86-9  
Valdez Precinct.

(5.8, 4.0)

106-1900  
61° 15' N

Examined by J.G. Shepard.  
Sept. 1925.

The property of the Little Giant Mining Co. is a group of claims located on the east side of Mineral Creek about 8 miles above the mouth. The claims lie at an elevation of about 3,000 feet. A pack trail branches from the Mineral Creek road and zig-zags up the mountain to the mine workings. In days past, 120 tons of ore was milled from the Mountain King Claim. This ore is reported to have plated \$ 22.00 per ton. Shipments of 3 and 4 tons each have been made from the Rose and Little Giant Claims. These shipments are reported to have run as high as \$ 400.00 per ton.



Smiths Mill on Mineral Creek, from the Little Giant Trail.

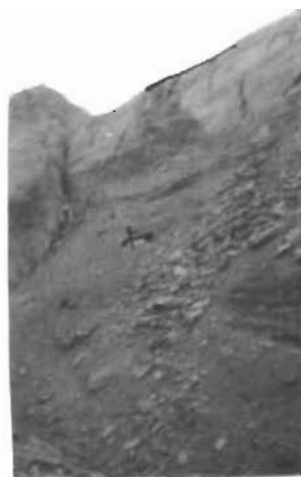
The Little Giant orebody has been exposed by a x-cut 40 feet long and a drift of 120 feet, at a depth 25 feet below the surface. 5 feet of pure quartz is present in the drift. The orebody on which the work has been done, is apparently at least 200 feet long and from 3 to 17 feet in width. There is no surface equipment, but location is favorable for the installation of a comparatively short aerial tramway, by which the ore could be carried to Smiths mill. A considerable tonnage can easily be developed at a medium expense. In view of the physical features and the ore value, as indicated in the accompanying sketch, the orebody seems to have commercial possibilities.



Showing strike of Little Giant Vein.

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On the Rose Claim a x-cut 178 feet long was driven to intersect the vein at a depth 300 feet below the surface. At this point the vein was 10 inches wide. A drift 50 feet long was driven to a point where a surface, or check fault, was encountered. Ore in the drift was from 10 to 18 inches in width. 25 feet of the distance was reported to be high grade ore. A single sample taken where the high values were reported to be did not bear this out. The orebody is small and will not produce any great tonnage. About 1000 tons is blocked out on the Rose Claim.



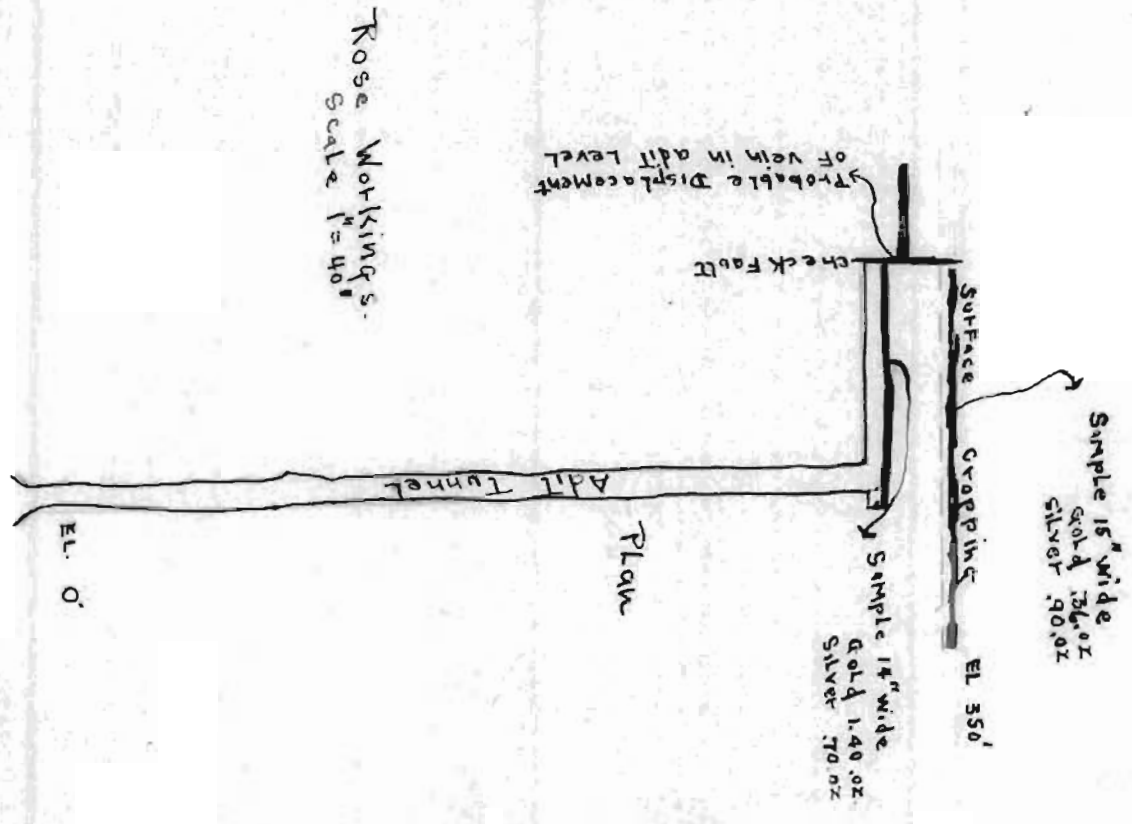
Showing Rose Portal  
and strike of vein.

An aerial tramway has been purchased by the company and is being moved to the property for installation during the spring of 1926. This tramway will extend from the Little Giant workings to Smith's Mill, a distance of approximately  $\frac{1}{2}$  mile. There is not sufficient ore in sight to justify the installation of a large plant. The showings, however, war- a well directed campaign of development.

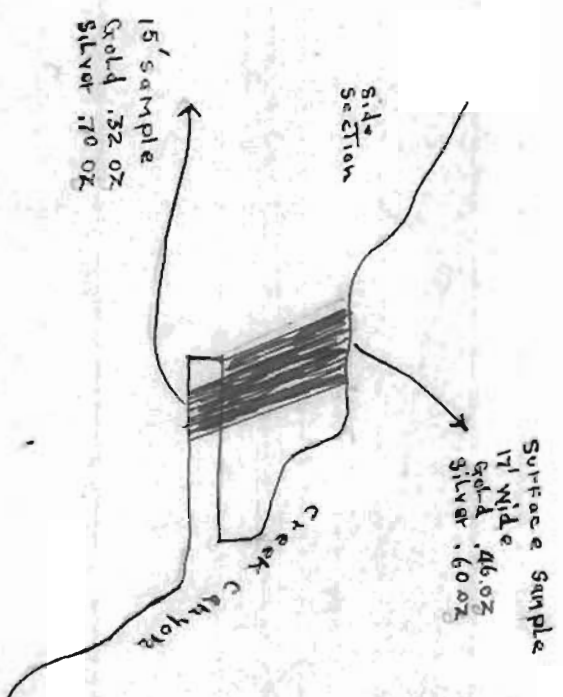
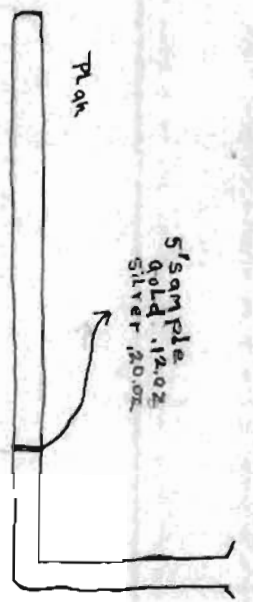


Little Giant exposure.

Sketch of workings  
 of  
 Little Giant Mining Co.  
 by J. F. Shepard  
 Sept. 1925



Rose Workings  
 Scale 1" = 40'



Little Giant Workings  
 Scale 1" = 40'

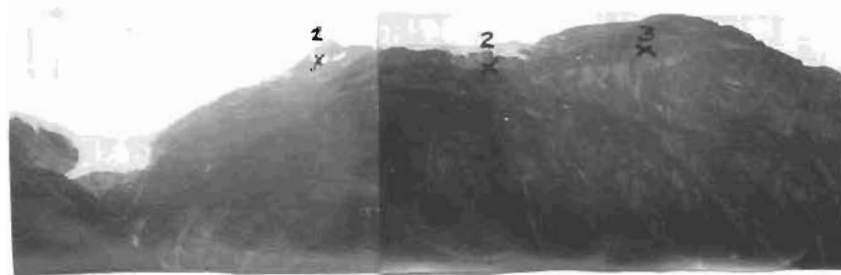
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The Big Four, Millionaire<sup>86-3</sup>, and Cook groups.  
Mineral Creek,  
Valdez Precinct.

Sept., 1925.

On the west side of Mineral Creek, 8 miles above the mouth, are located the claims of the Big Four, Millionaire, and Cook-Barret groups. These claims lie at an elevation of from 3500 to 5500 feet. A pack trail zig-zags up the mountain from Smiths Mill, on Mineral Creek.

A small production has been made from each property in the past. Crude methods both as to transporting and milling the ore being used. The average value of the ore milled is reported to have been \$ 25.00 per ton gold. The properties singly, do not have seemed to justify the expenditure necessary to install equipment by which ore of this value could be treated at a profit. Should the three properties be grouped and a central milling plant and tramway be installed, the venture might possibly be a success.



Showing location of Big Four { 1 }  
Millionaire { 2 }  
Cook - Barret { 3 }

UNITED STATES  
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The Ramsey- Rutherford Mine.  
Valdez Precinct.

Sept. 1925

The Ramsey- Rutherford Mine is situated on the mountain east of Valdez Glacier and is 10 miles from Valdez. Six miles of travel is by way of the glacier and no permanent trail is available. The property is equipped with a milling plant, compressor and air drills, and camp buildings. Power is furnished by gasoline engines. A total of nearly one half million dollars in gold and silver has been produced by this mine.

At present the property is under lease to two miners, who are operating intermittently, in a small way. During 1925, about \$ 3,500.00 was produced.