

FIELD NOTES AND ASSAY REPORT FOR THE RED BOY-SUTHERLAND
MINE AND THE RED BOY PROSPECT, TIN CUP DISTRICT,
FREMONT COUNTY, WYOMING

by
W. Dan Hausel, 1982

Samples collected from the Red Boy Prospect in section 26, T.31 N., R. 93 W., and from the Red Boy-Sutherland Mine in the N/2 NE/4 sec. 36, T.31 N., R. 93 W. were assayed for precious metals. The Tin Cup Mine (?) located on the Tin Cup Mountain 7½-minute quadrangle in the NW/4 sec. 24, T.31 N., R. 93 W. was also visited but because of the lack of development and mineralization, the so-called "Tin Cup Mine" was not sampled for assay. Only a shallow hole, possibly less than 20 feet, was found at this locality.

The Red Boy-Sutherland Mine is quite interesting. The basic appearance of the mine is that it is located in a sheared sulfide facies zone of an oxide facies iron formation. Massive sulfides (pyrite) are scattered all over the mine dump. It has been reported that the mine workings are also filled with massive sulfides. The sulfides are so concentrated in the mine that Eugene Clark (personal communication), a prospector from Laramie, claims that he climbed down into the workings some years ago and his clothes fell off a short time after exiting from the mine. The oxidation and hydration of the sulfides apparently produced significant quantities of sulfuric acid.

The following samples were collected and assayed:

RED BOY PROSPECT (sec. 26, T.31 N., R. 93 W.)

Sample RB 82-1 was a chip sample collected from the face of a small pit. RB 82-2 was selected from dump material and contained limonite boxworks.

Tin Cup Mtn. 7 1/2-minute

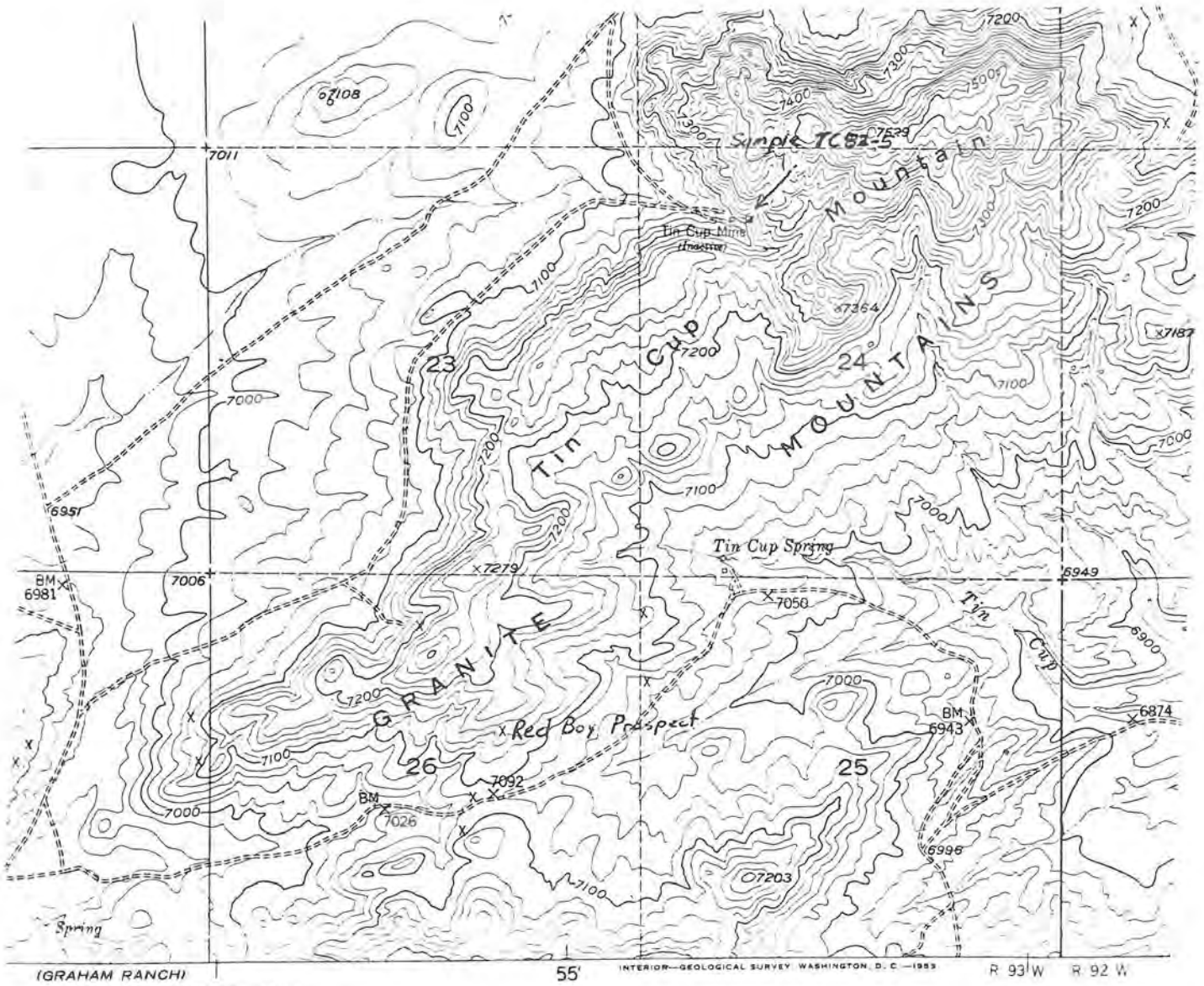


Figure 1. Location map of the Red Boy Prospect, Tin Cup District.

RB 82-1 assayed 0.92% Cu and 0.02 oz./ton Au. Sample RB 82-2 ran 0.05 oz./ton in Au.

RED BOY-SUTHERLAND MINE

TC 82-1 was a selected sample of massive sulfide collected from the mine dump. The sample assayed no detectable gold or silver. The attached prospectus of the Emigrant Mining Company has a very general mine summary.

Graham Ranch 7 1/2-minute

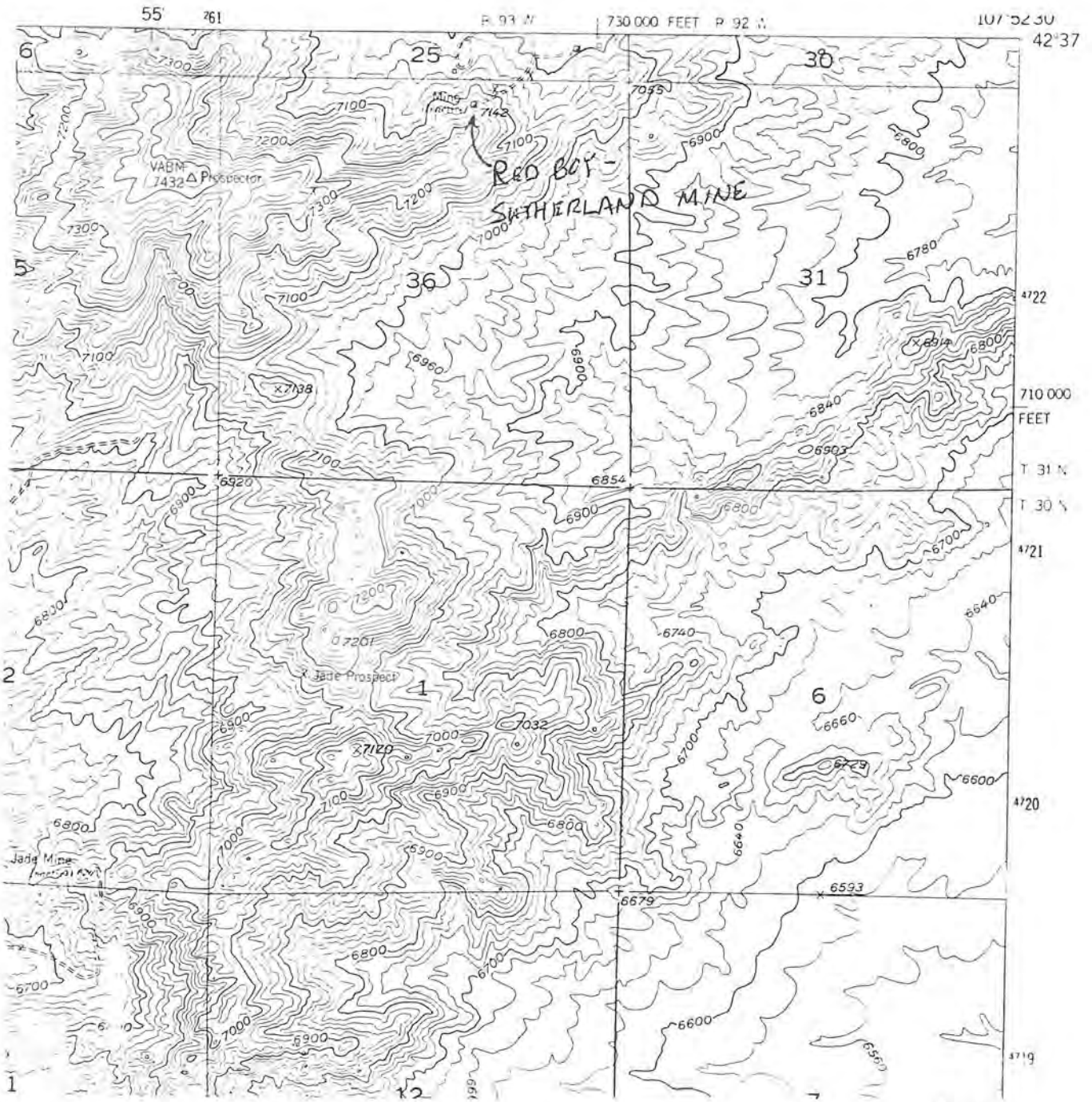


Figure 2. Location Map of the Red Boy-Sutherland Mine, Tin Cup District.



WYOMING ANALYTICAL LABORATORIES, INC.

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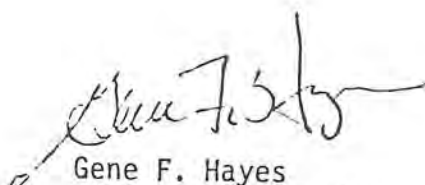
LARAMIE, WYOMING 82070

Dan Hausel
Wyoming Geological Survey
Box 3008, Univ. Sta.
Laramie, WY 82071

Request No. 1251-063
Date: 4 August 1982

REPORT OF ANALYSIS

Customer ID	Lab No.	Copper (mg/Kg)	Gold (oz/ton)	Silver (oz/ton)	Cobalt (mg/Kg)
Lost Muffler LMP 82-1	9156	--	0.22	--	--
Lost Muffler LMP 82-2	9157	--	0.13	--	--
LMP-82-3	9158	--	0.03	0.03	103 (0.01 %)
LMP-82-4	9159	--	0.04	--	--
Granite Mtns. RB-82-1	9160	9190 (0.92%)	0.02	--	--
Granite Mtns. RB-82-2	9161	--	0.05	--	--
Granite Mtns. TC-82-1	9162	--	<0.01	<0.01	--
Sweet Water River SW-82-1	9163	--	0.01	--	--
Sweet Water River SW-82-2	9164	--	<0.01	0.13	--


Gene F. Hayes
Laboratory Director

INCORPORATION DATA

The Emigrant Mining Company was organized under the laws of the State of Wyoming on June 15, 1938 by a group of Riverton, Wyoming business men.

PURPOSE

The general purpose of the Company is to prospect for, mine and produce gold, silver and other minerals but the immediate purpose is to develop the mining property described within.

CAPITAL STOCK

The Company is capitalized at \$100,000.00, which is divided into one million shares of common stock of the par value of ten cents each.

TERM OF EXISTENCE

The term of existence of the Company is fifty years.

PRINCIPAL OFFICE

The principal office and place of business of the Company is located at Riverton, Fremont County, Wyoming.

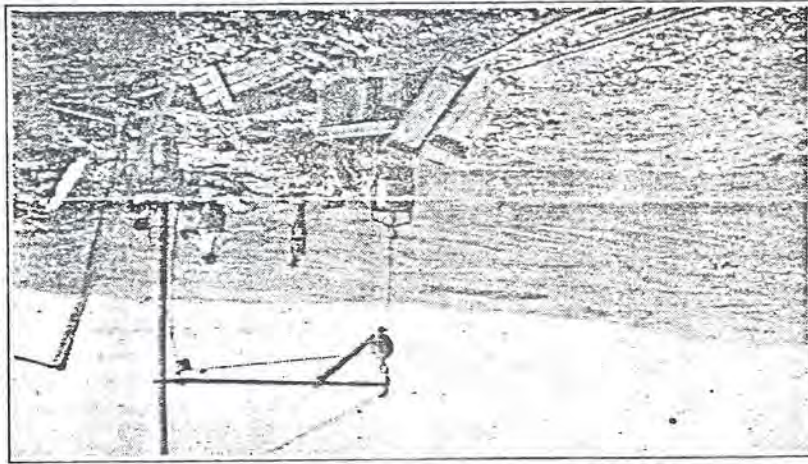
MANAGEMENT

The affairs of the Company are managed by a board of five directors who are elected annually by the stockholders on the first Tuesday in February. The following are the present officers and directors, all of whom reside at Riverton, Wyoming:

F. D. Wooten, President.
Stanley Sutherland, Vice President.
F. B. Sheldon, Jr Secretary Treasurer.
A. J. Kirch, Director
Lucile Connaghan, Director.

EMIGRANT MINING COMPANY

PROSPECTUS
on
Seventy Thousand Dollar Offering
of
COMMON STOCK



"Red Boy Mine"
June 12, 1938

THE REDBOY MINING PROPERTY

The Emigrant Mining Company, hereafter referred to as the Company, has been organized for the immediate purpose of financing the development of the "Red Boy" lode mining property located on Section 36 in Township 31 North of Range 93 West of the Sixth Principal Meridian, in the Granite Mountains a short distance north of the old Emigrant Trail in the southeastern part of Fremont County, Wyoming.

HISTORY AND DEVELOPMENT

The Red Boy Mining Claim was located by Stanley (Red) Sutherland, a typical old time prospector, about twenty years ago. Since then he and other prospectors, encouraged by the heavily mineralized formations and gold values found on the surface, have done considerable exploration work in this locality. Sutherland commenced a shaft on the Red Boy in which he worked intermittently until he finally induced friends in Riverton to grub stake him for a half interest in his claims. This group, in the spring of 1937 formed a syndicate and raised enough money locally to put in second hand power hoist, compressor, rock drill and other necessary equipment. By the spring of 1938 the shaft had reached the depth of 120 feet, the oxidized pyrite formation on top the lead vein has been penetrated and the sulphides reached. By this time, however, the second hand equipment was worn out, and the shaft had to be re-timbered and additional finances were imperative. Assays taken from time to time as the work progressed disclosed values in gold silver, copper and lead which increased with depth and the opinion of mining experts on the property was so encouraging that the group decided to abandon their makeshift operation and go after this prospect in earnest by forming a stock company to raise money.

GEOLOGY

The rock formation in the locality of the Red Boy stands on end in a northeasterly and southwesterly course at a right angle to the general uplift in this part of the state. The country rock is mostly metamorphic granite, and carbonite schists heavily oxidized, which has been intruded by dikes and stocks of monzonite and porphyries which are commonly mineralized by dissemination. The outcroppings on the surface are well exposed and the fissure lodes can be traced for a distance of two miles. The lead upon which the Red Boy is located is oxidized to a depth of 120 feet, at which point the formation and character of the rock is changing from carbonate schist to sulphides disintegrated with black iron and quartz. The shaft is now 130 feet deep and the formations are still broken and not in place. As work progressed samples were taken every few feet and assay values showed from \$1.40 to \$16.00 in gold. Recent assays taken from the bottom of the shaft show values of \$13.65 in gold and \$15.00 in silver per ton. While the property is still in the prospect

stage probable ore is now in sight and all indications point to a very large deposit, the extent of which can only be determined by further exploration and development work.

DEVELOPMENT PROGRAM

The Company took over the Red Boy property on July 5, 1938 with the immediate program ahead of sinking the shaft another fifty to one hundred feet, cross cutting and blocking out ore. A bunk house has been built, road work is being done and re-timbering of the shaft is now under way and by the time completed a new hoist and compressor will be installed. The estimated cost of the above program is \$10,000.00. As soon as ore values are assured the Company expects to install a mill to concentrate the ore for shipment to the smelter at Murray, Utah, at an estimated cost of not to exceed \$25,000. Stock in the Company will be offered for sale to meet the above costs as they arrive. This following is a statement of the assets and liabilities of the company as of July 20th, 1938.

TITLES and PROPERTY STATEMENT

The Red Boy property is located on school section thirty-six above described, comprising 640 acres, upon which the Company holds a ten year mineral lease from the State of Wyoming dated April 16th, 1937, with the preferential rights to renew the same for successive ten year periods vested in the lessee by state statute. The lease provides for the payment to the State of a sliding scale of royalties on ore ranging from 5 percent on ten dollar ore to 25 percent on one hundred dollar ore. The Company also owns the Sunset Lode Mining Claim adjoining the school section on the north and located on the public domain. The Company paid the Syndicate for its entire holdings including all development work, buildings and equipment to the sum of \$28,500 in stock. The following statement of the assets and liabilities of the company as of July 20th, 1938:

Assets	
School Lease, claim & development work	\$27,500.00
Improvements & materials on hand	800.00
Machinery and equipment	1,052.00
Cash on hand	274.50
Total	29,626.50
Liabilities	
Common stock issued	\$29,158.50
Notes payable (Equipment)	468.00
Bills payable - none	
Wages due - none	
Total	29,626.50
S. E. C.	

These securities have not been registered with the Securities and Exchange Commission because such securities are believed to be exempt from registration. But such exemption, if available, in no sense indicates approval by the Commission of the merits of these securities.