CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
1520 West Adams St.
Phoenix, AZ 85007
602-771-1601
http://www.azgs.az.gov
inquiries@azgs.az.gov

The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

ACCESS STATEMENT

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

CONSTRAINTS STATEMENT

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

06/13/86

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: AMERICAN CLAIM

ALTERNATE NAMES:
PATENTED CLAIM MS 784

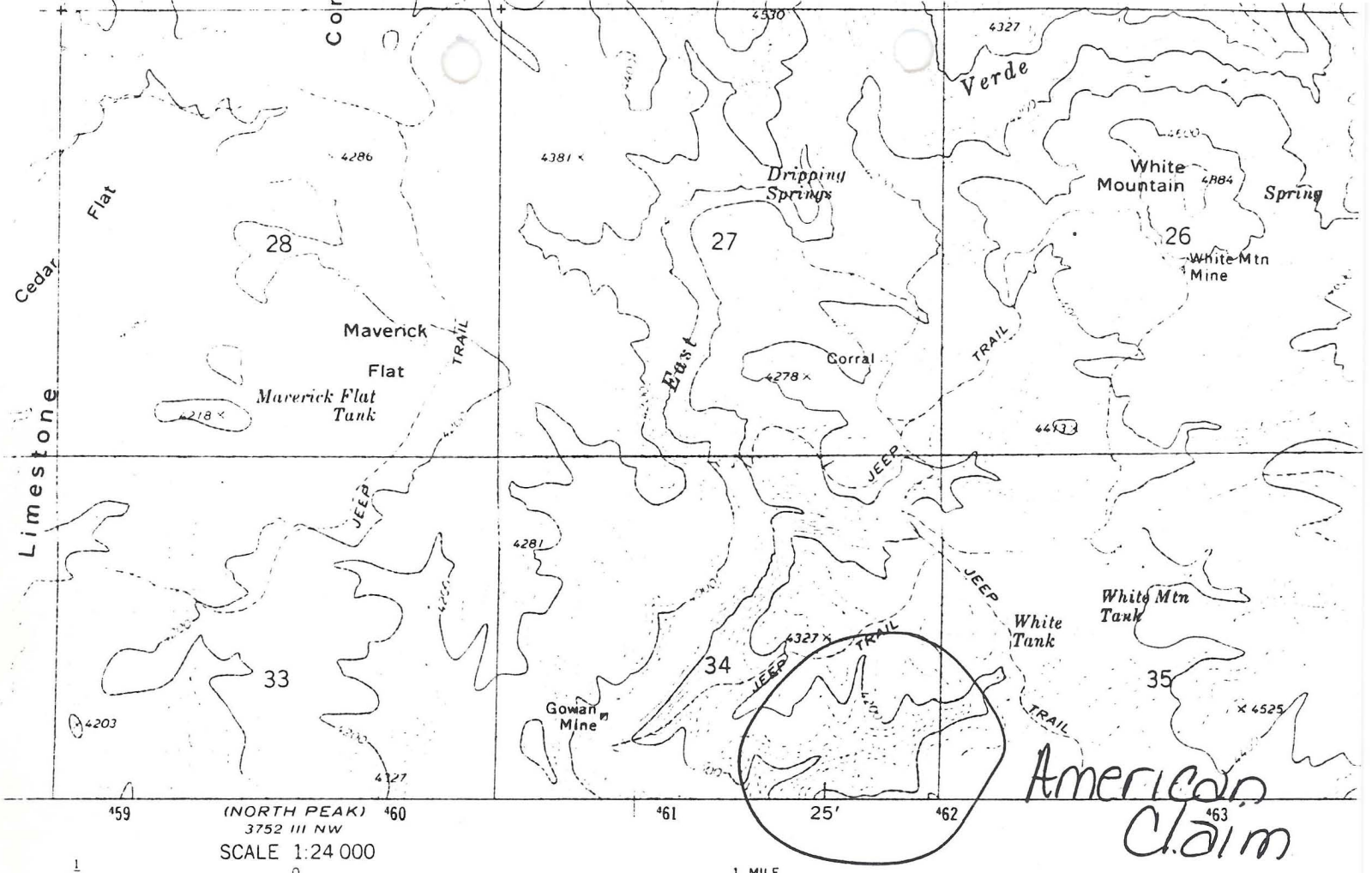
GILA COUNTY MILS NUMBER: 514A

LOCATION: TOWNSHIP 11 N RANGE 9 E SECTION 34 QUARTER SE
LATITUDE: N 34DEG 15MIN 00SEC LONGITUDE: W 111DEG 25MIN 00SEC
TOPO MAP NAME: BUCKHEAD MESA - 7.5 MIN

CURRENT STATUS: PROSPECT

COMMODITY:
GOLD
COPPER

BIBLIOGRAPHY:
ADMMR AMERICAN CLAIM FILE
BLM MINING DISTRICT SHEET 133



SCALE 1:24 000

1 MILE

7000 FEET

1 KILOMETRE

CONTOUR INTERVAL 40 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

QUADRANGLE LOCATION

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
ER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Buckhead Mesa
7.5'

American

AMERICAN CLAIM

Verde Falls Gold Mining Company,
Phoenix, Arizona.

Gentlemen:-

While preparing my report of the different groups owned by your company, I overlooked my notes regarding the American claim.

I herewith submit my opinion as well as results of my investigation.

Your American patented mining claim, as shown on the attached print, is situated about one mile from the Gowan gold mine, on the American gulch. This property has been opened up sufficiently along the strike of the vein, to permit an intelligent sampling whereby conclusions could be arrived at, so as to advise future development.

The vein varies in width from eight to fifteen feet and is a contact between porphyry and granite.

Samples taken gave results as follows.

No-1--Open cut six feet in width	0.80	ozs.	gold	or $12.00.
No-2--Tunnel Pyretic ore, select	2.00	"	"	" $40.00.
No-3--Waste Material	0.10	"	"	" $ 2.00.
No-4--Outcrop, porphyry dyke	0.20	"	"	" $ 4.00.

It would not be an unreasonable stretch of the imagination since metamorphism has played its part along the contact, thereby exidizing a certain portion of a very large and prominent intrusive porphyry dyke, to believe that a very large ore body exists for the full width of the dyke with a distinct length of more than one thousand feet. I refer you to sample No. 4, as shown above, which is the result of careful sampling taken the full width, or, one hundred and twenty-five feet.

I certainly recommend the development of this property.

Respectfully submitted,

F. C. Smith, M.E.

COPY

american

COPY

August 5, 1931.

Mr. W. P. Twitchell,
Phoenix, Arizona.

My Dear Sir:-

A few days ago I made a superficial examination of a portion of the workings of the Gowan Mine, as well as the workings on the American Mine, these mines are part of the holdings of the Verde Falls Gold Mining Company, of which you are President, and are situated close to the East Fork of the Verde River, Green Valley Mining District, Gila County, Arizona.

From the Geological conditions existing along the strike of these veins on the surface, and from my observations taken underground in the different workings its obvious that these mines in the past have produced a considerable tonnage of ores. From tests made by me on the ground, I find that these ores above the ground water level are amenable to amalgamation; a large percentage of the gold contents can be extracted by this sulphide zone are more complex, and will have to be cyanided or flotated, to save the values.

These veins I find to be these of the deep seated variety and should carry values to a great depth.

With the rehabilitation of your milling plant now on the Gowan property, and with the acquisition of the ground adjacent to the Gowan patented claim, on the north side lines, also on the east end lines, and the ground along the American gulch, between the American mine, and the East Fork of the Verde River, you will have a mining property of unquestioned magnitude, which has produced a considerable tonnage of gold ore in the past, and which with a small amount of development will again be ranked amoung the gold producers of the state, and will pay dividends for many years to come.

As the mines are adjacent to the East Fork of the Verde River you have an unlimited water supply for all purposes mine timbers and lumber can be procured at reasonable rates close to the mine.

Very truly yours,

J. P. McDonald, M.E.
Reg. Prof. Engineer
Cer. 296.

American

SUPPLEMENTARY REPORT

UPON THE PROPERTIES OF

THE VERDE FALLS GOLD MINING CO.

Dec. 4th/30

My original Report upon the Verde Falls Gold Mining Company was made some ten years ago; since which time I have kept quite thoroughly posted upon all items of progress, and upon all general and particular conditions. A very considerable amount of work has been done, during this time, for the general betterment of conditions (such as somewhat wide-spread development of a sort; great improvement of roads etc.) but, in a case where the various claims are so scattered, the changes worked are not readily visible.

I may say that all items of test have only served to confirm, and even to better, my former opinion as to the very great prospective value of these claims, and a few of them I shall enumerate below.

The possiblity of railroad development which might serve these properties has, since the time of my former report, been temporarily abandoned, doubtless by reason changes of policy and conditions; so that, so far as I know, no railroad construction is to be expected at any early date. The vastly improved condition of the wagon-roads, however, together with the wonderful strides made in motor-truck transportation, make this a matter of relatively small importance.

When the first work was done (now nearly fifty years ago) upon these mines, it must be remembered that the old-timers who located and worked the claims, and who finally patented them and left them--never to return--were hampered in many ways;-by the almost utter lack of roads (which made it difficult to bring in supplies of all kinds, and equally difficult to ship anything out) by insufficient and inadequate machinery (whereb they lacked pumps and also any sort of concentrating machinery) and, finally, by very different markets for metals from those existent today. Emphasis must also be laid upon the fact that these old-time miners were <u>gold miners</u> pure and

simple, and knew (or probably cared) very little indeed about the copper which was so widely present on all the claims, and which, indeed may one day exhibit the major values of the whole group.

In probably every case (such as can now be discerned in the ores of the Gowan and Summit) it is most probable that, after a short depth below the oxidized surface zones, the gold became, in large part, so mixed with sulphides of copper and Iron as to become much less easily amalgamable with mercury, which was the only process then in use for its saving.

In the case of the Gowan ores, the level of the East Verde River was reached at a depth of about 70 feet from surface, and below this water-level it is an important fact that, no matter what reasonable gold content might be found in the ore, they not only had no adequate means of saving it from its mixture with copper and iron sulphides, but they had no pumps with which to remove sufficient water to permit mining operations. It is an important and favorable condition, however, that they did mine down to the water level, and they did stope to surface on both sides of the shaft, and all of this dirt they did mill; presumably at a profit. Since they left--un-mined and un-milled--the two feet of hanging-wall breccia (which gave me an assay of about $11.00 per ton) it seems likely that the pure quartz which they did mine and mill must have assayed considerably higher; thus establishing a very probable condition that the continuation of the quartz vein in depth may carry good values; and values which will not be decreased by their sulphide contents under the present-day methods of milling, but will increase them.

The same reasoning may well also apply to the Summit.
With reference to the great losses attendant upon the former lack of concentration, about the only available method consisted in taking a sample of the old mill-tails at the Gowan Mill, and concentrating the same, with subsequent assay of the concentrate. These tails were, naturally, much more completely oxidized by the passage of 40 years, and the weights taken and concentrated by hand (panned) made

only an estimate possible; but at the same time, they conclusively show what a valuable product had formerly been wasted (and from a presumably oxidized gold ore) which could, today, be certainly saved. The assay of the concentrate was as follows:--

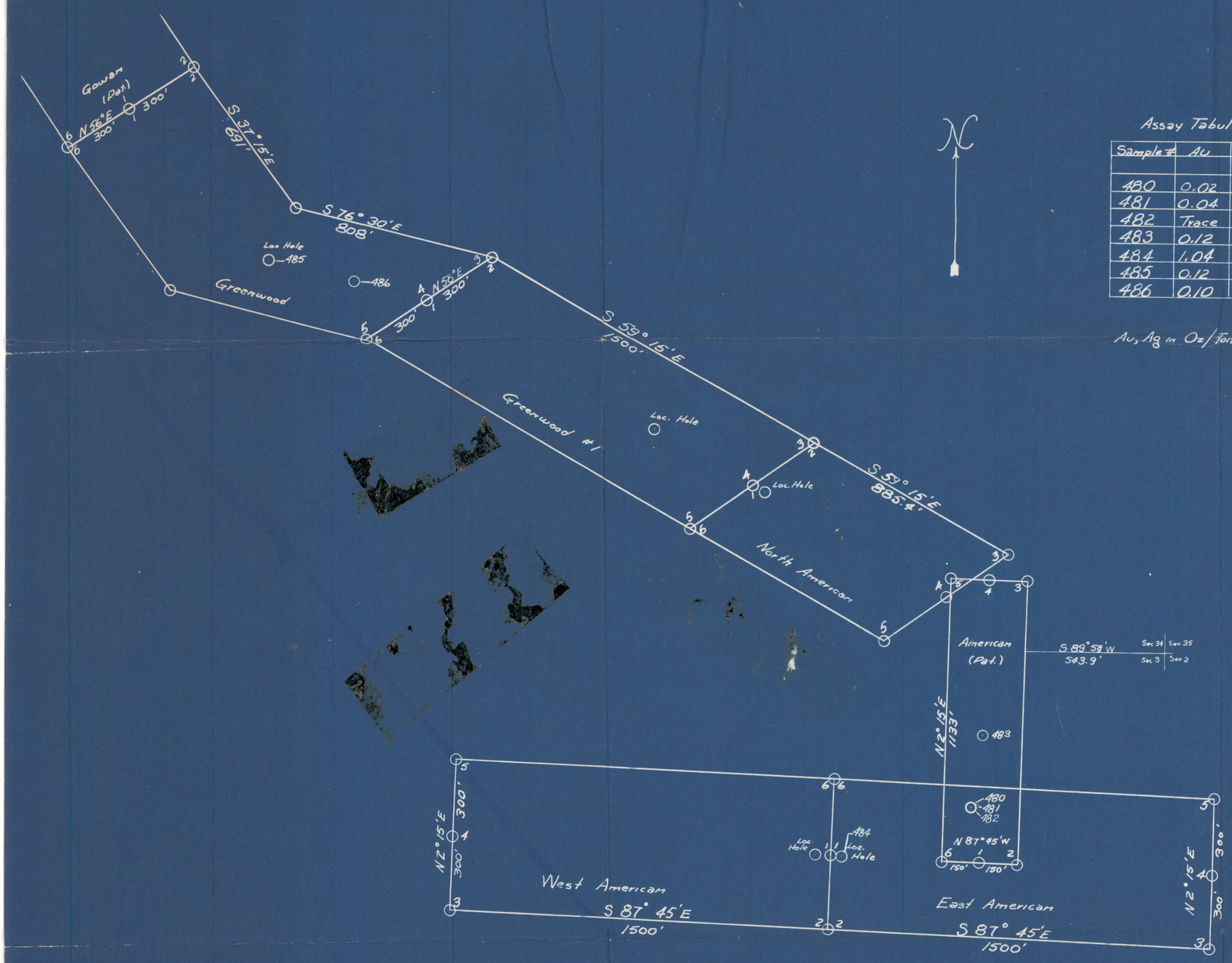
Silver	Gold	Value per ton.
0.7, oz. per ton.	8.43 oz. per ton.	$174.36

One claim, The American, which lies about one mile from the Gowan--was not included in my former report, since it was then under bond and lease to Mr. Cl McFarland. It is now shown on the new map herewith. At the time Mr. McFarland took it over, the opening on the property showed a gold bearing vein of about eight feet in thickness, which yielded on assay very good gold values. He installed a small free-gold mill, and did a considerable amount of development (crossing several veins or stringers, in a quartz-porphyry matrix; one of them approximating four feet in thickness) but he found, at a small distance below the surface oxidation, the same old story iron sulphides, which made amalgamation difficult; so, not being able to install concentrators, the property came back to the Company. A rough general assay recently gave $14.00 per ton in gold.

In conclusion I would say that my high opinion of these properties has been only increased by the passage of nine years. As indicated in my former report, I was deeply impressed by the possibilities of the Contact Group as a function of development in depth of its great sulphide deposit. It seems to me inevoidable, that when development of this group and other claims has been made, there will be "a world of ore" available which will supply a modern flotation mill with material for an exceedingly profitable copper-gold concentrate, which may be further concentrated to a matte - or shipped by truck to custom-smelter as may be found desireable.

With electric power now available (and possibly at least 100 H.P. available from local water-fall) with abundant timber for mining and enough for ordinary fuel consumption, the Kent region looks to me like a sure winner, if backed by sufficient capital.

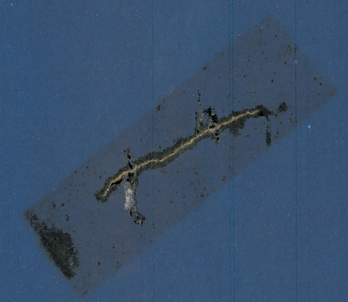
Yours truly,



Assay Tabulation

Sample #	Au	Ag
480	0.02	1.00
481	0.04	0.60
482	Trace	0.60
483	0.12	0.20
484	1.04	0.80
485	0.12	0.20
486	0.10	0.20

Au, Ag in Oz/Ton



AMERICAN GROUP
of
MINING CLAIMS
Green Valley Mining District
Gila County, Arizona
Verde Falls Gold Mining Company

Scale 1" = 300'