



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.

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: DIAMOND BUTTE PLACER GROUP

ALTERNATE NAMES:
GOLD GULCH

GILA COUNTY MILS NUMBER: 441

LOCATION: TOWNSHIP 9 N RANGE 12 E SECTION 11 QUARTER W2
LATITUDE: N 34DEG 08MIN 12SEC LONGITUDE: W 111DEG 05MIN 50SEC
TOPO MAP NAME: DIAMOND BUTTE - 7.5 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:
GOLD PLACER

BIBLIOGRAPHY:
ADMMR DIAMOND BUTTE PLACER GROUP FILE
CLAIMS CONTINUE INTO SEC 10
ABM BULL. 160, P 64
UBM MLA 139-82 MINERAL INVESTIGATION OF HELL
GATE ROADLESS AREA - R.A. McCOLLY, 1982, P 5

PRELIMINARY REPORT
ON
DIAMOND BUTTE PLACER GROUP
For Wm. E. Otis, Jr.

FOREWORD

I visited this property, in company with Thomas A. Rhodimer, Wm. E. Otis, Jr., and Earl Pugh, acting in the capacity of assistant to Mr. Rhodimer, for the purpose of establishing lines and markers and to make a proper map showing both location of the property, and estimated yardage of gravel that can be profitably handled. We left Los Angeles the evening of February 11 and returned the morning of February 17 which gave us four days on the property.

THE PROPERTY

The property consists of two full claims, Diamond Butte No. 1 and Diamond Butte No. 2; and one fraction Diamond Butte No. 3, containing in all approximately fifty-five acres.

TITLE

The title is by location, in compliance with all State and Federal laws. The notices are recorded in the name of Mr. Earl F. Pew of Santa Ana, California.

LOCATION

The Diamond Butte Placer Claims are located about seven and one half miles west of the town of Young, in sections 10 and 11, T 9 N; R 12 E, Gila County, Arizona; including 300' on either side of the center of Gold Gulch Creek from the point in the center of Spring Creek where Gold Gulch Creek enters it, for 4000' up stream in a north easterly direction following the center line of the stream. They are reached by trail, a distance of about two and one half miles from the end of the present road.

HISTORY

This property was originally located by the present owner sixteen years ago and aside from that necessary for annual assessment work no development work has been done. One \$325 nugget was supposed to have been found and the value of the gold, recovered from nine test holes of three yards to the hole run over a six inch sluice box was \$2000. This information is all purely "hearsay".

TOPOGRAPHY AND CLIMATE

The topography of this section is very rugged as shown by the accompanying U. S.G.S. sheet. The elevation is slightly over 4500 feet and the climate is ideal for year-round operation.

GEOLOGY:

The geology of this district is fully covered by Bulletin No. 120, Geologic series No. 4, of the Arizona Bureau of Mines. This bulletin is of the Payson Quadrangle which lies directly to the west of the Diamond Butte district. A copy of this bulletin can be obtained by writing to the Arizona Bureau of Mines, University of Arizona, Tucson, Arizona.

LABOR CONDITIONS:

There are plenty of experienced miners in and around the towns of Miami and Superior who can be hired for \$5.00 a day.

WATER:

There is an abundant water supply for any practical type of operation, the year around.

TIMBER:

There is considerable small timber of the pine and cedar families on the ground, sufficient for the building of log cabins, etc. However, being in the Tonto National Forest, some permit would be necessary before using it.

GRAVEL DEPOSITS:

The gravel deposit consists of the creek bed between steep canyon walls. The width averages forty feet from bank to bank and runs from the intersection of Gold Gulch Creek with Spring Creek for 4000 feet northerly. The yardage estimated, exclusive of boulders, is between 35 and 50 thousand yards.

DEVELOPMENT WORK:

There is no development work done on the property with the exception of the discovery work.

RESULTS OF PANNING:

As shown by the accompanying map and assay report the four samples taken show an average value of \$2.63 per yard which, however, I believe to be considerably lower than the actual average of the gravel. Due to the heavy storms just previous to and during our visit to the property, the creek was unusually high, making it practically impossible to get representative samples of the entire depth of gravel.

The one sample, No. 3, was taken at a point where the bed rock was accessible without being flooded and because of that fact the values were much higher.

RECOMMENDATIONS

I believe this property to have merit, and therefore recommend that some approved method of production be put to work at once. "Because of the size and inaccessibility I would suggest an "Esseck" two-man suction dredge as shown on the enclosed circular of the Esseck Machinery Co. This machine, because of its light weight and flexibility, would prove very satisfactory in cleaning up the gravel in the creek bed itself and can then be used as a pressure pump to hydraulic the banks on either side into the sluice box in the center.

Respectfully,

E. Noel Kitchen Jr., E.M.
(Nevada School of Mines, 1935)

I employed Mr. E. Noel Kitchen Jr., E.M., to assist me in the examination covered by the foregoing report, and I hereby warrant that each and every statement therein is an fact within itself, as stated. I heartily concur with Mr. Mitchen in th full report as written.

Respectfully submitted.

T.A. RHODIMER
Consulting Engineer
613 North Laurel Avenue
Hollywood, California.

C O P Y 5-1-41
(Courtesy Fred A. Storey)

THOMAS A RHODIMER
MINING
Hollywood, Calif.

Feb.26th, 1941

Comments on the joint report of Mr. E. Noel Kitchen, E.M., and the writer.

In addition to the recommended procedure of operation mentioned by Mr. Kitchen, I wish to go a little more into detail, as to just what I would recommend.

Since the amount of gravel contained in the deposit covered by the following report does not warrant the installation of a large outfit capable of moving the heavy boulders, and due to the fact that the gravel and sand is so situated around and under the boulders that it can be moved with the use of a suction dredge pump. I certainly recommend that such an operation be installed at once and work begun on the actual production of gold.

Due to the fact that the average values shown by the sampling in the following report, are only a small amount of what should be recovered in actual operation, since we were only able to get near the bedrock for one of our samples, and in that case the sample showed over eight dollars per cubic yard, bases on gold of a fineness of 1000.

I consider it a very safe and conservative statement to say the values which should be expected from the entire mass of workable sand and gravel should be above seven dollars per cubic yard of all material, (boulders excluded).

This is one property which is deserving of having proper operation started NOW and there is no question but what it will pay very handsome returns on the very small investment required to get going on a good commercial basis.

There is five pictures of the Creek attached to this report which gives a good idea of the way the Creek in general looks.

T.A. RHODIMER
Consulting Engineer
613 North Laurel Avenue
Hollywood, California.

WOODWARD ENGINEERING SERVICE CO

ASSAY CERTIFICATE

8058 Salt Lake Ave.,
Bell, Calif.

Feb. 22, 1941

Wm. Otis

Thos Rhodimer
Diamond Butte Placer

Owners Mark on Sample		Value per ton	
Gold Gulch No. 1	8.68 mg.	\$.86 per yard	1000 fine
Gold Gulch No. 2	10.50 "	2.10 " "	
Gold Gulch No. 3	90.40 "	8.22 " "	
Gold Gulch No. 4	4.22 "	.35 " "	
Black Sand, surface	.01 "	.35 Laying on edge of creek.	
Average fineness	833		

H.A. Woodward, Assayer.

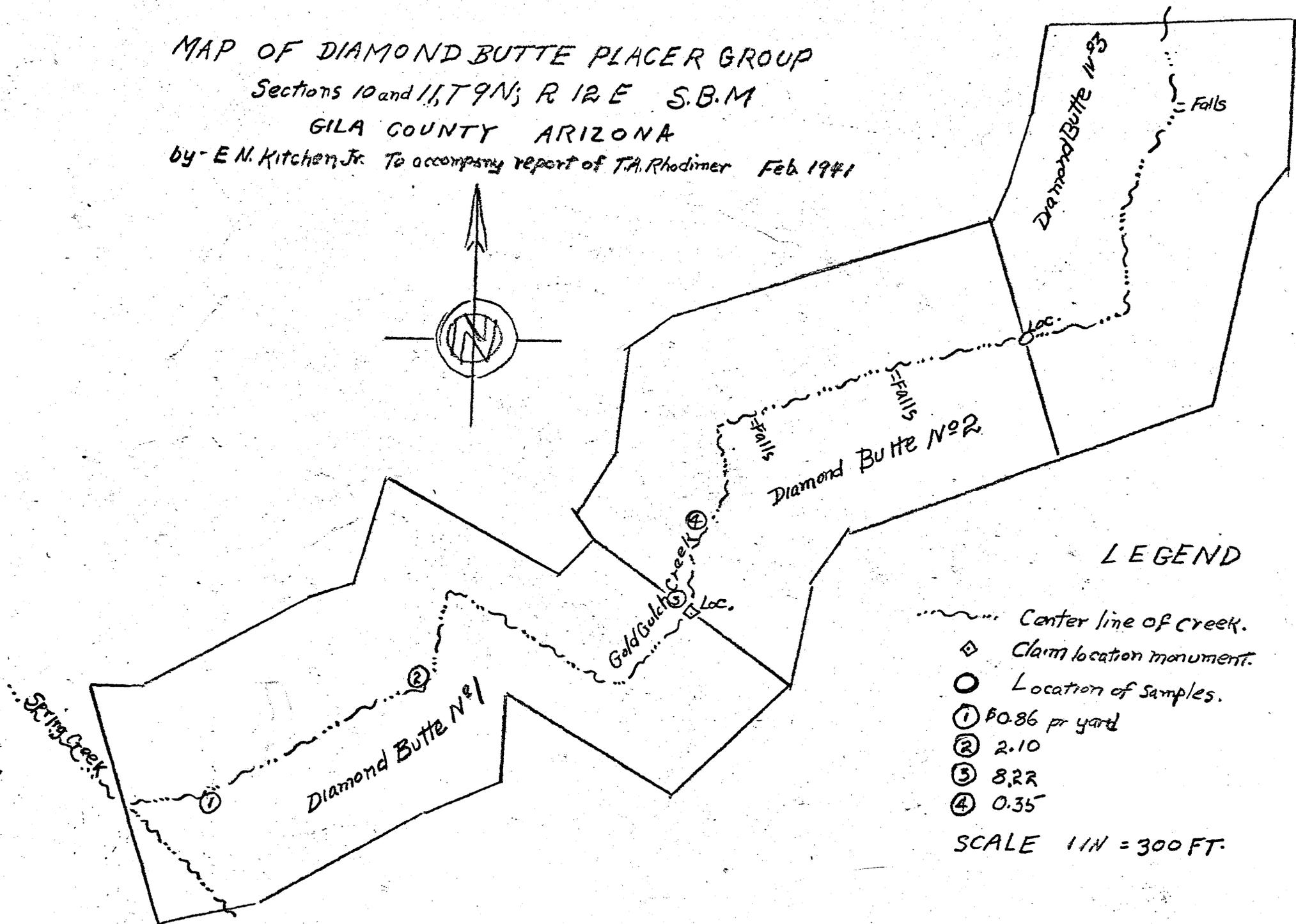
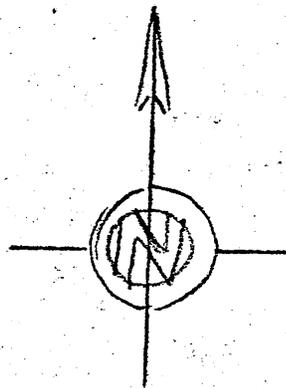
C O P Y

MAP OF DIAMOND BUTTE PLACER GROUP

Sections 10 and 11, T 9 N; R 12 E S.B.M

GILA COUNTY ARIZONA

by E. N. Kitchen, Jr. To accompany report of T. A. Rhodimer Feb 1941



LEGEND

- Center line of creek.
- ◇ Claim location monument.
- Location of samples.
- ① 80.86 pr yard
- ② 2.10
- ③ 8.22
- ④ 0.35

SCALE 1" = 300 FT.