



CONTACT INFORMATION

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PRIMARY NAME:BUCKHORN PROPERTY

ALTERNATE NAMES:

WILLIS AND HAND PLACER

YAVAPAI COUNTY MILS NUMBER: 955A

LOCATION: TOWNSHIP 8 N RANGE 2 W SECTION 28 QTR. NE
LATITUDE:N 34DEG 00MIN 44SEC LONGITUDE:W 112DEG 28MIN 14SEC
TOPO MAP NAME:COPPEROPOLIS - 7.5 MIN

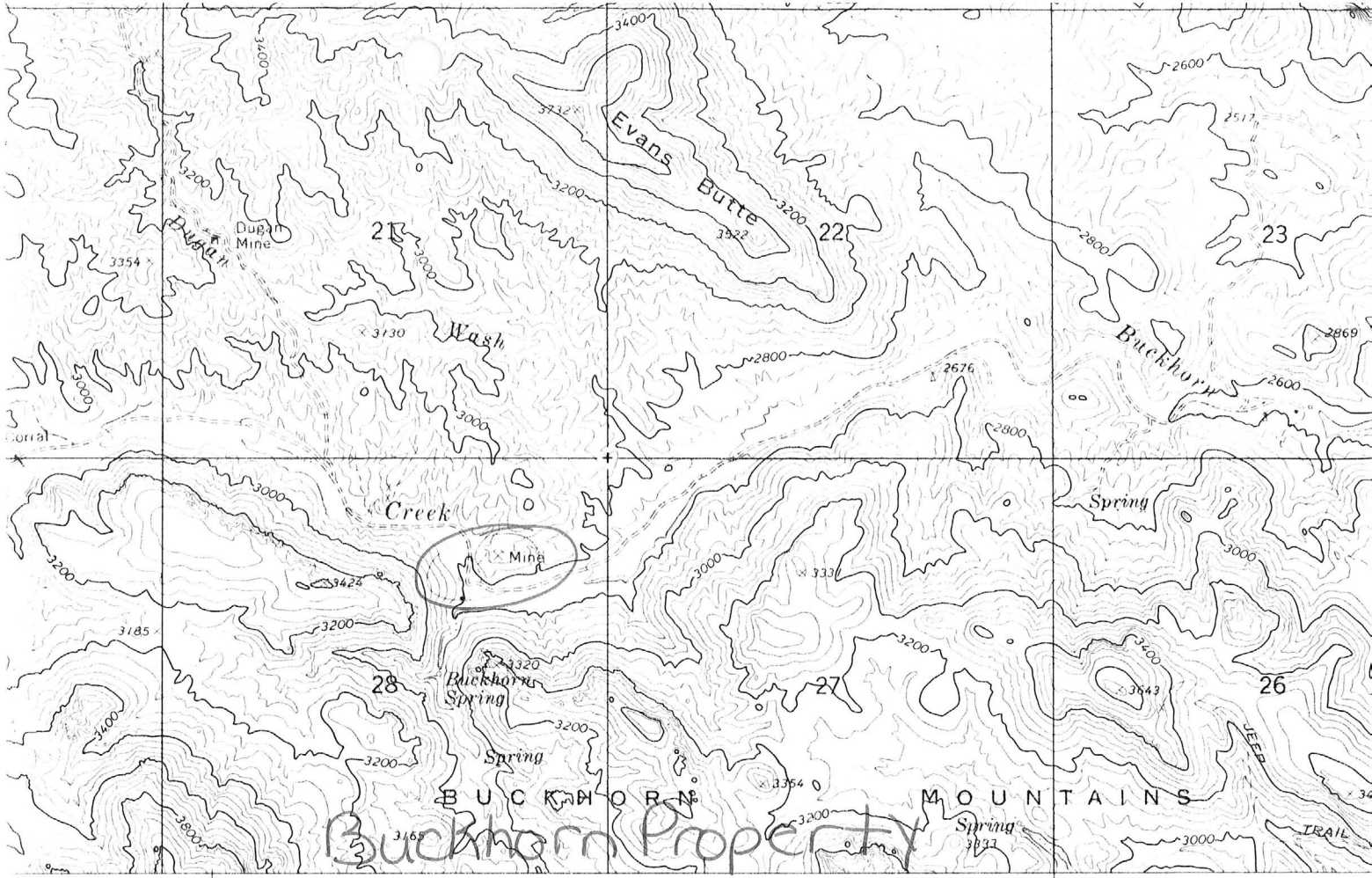
CURRENT STATUS:EXP PROSPECT

COMMODITY:

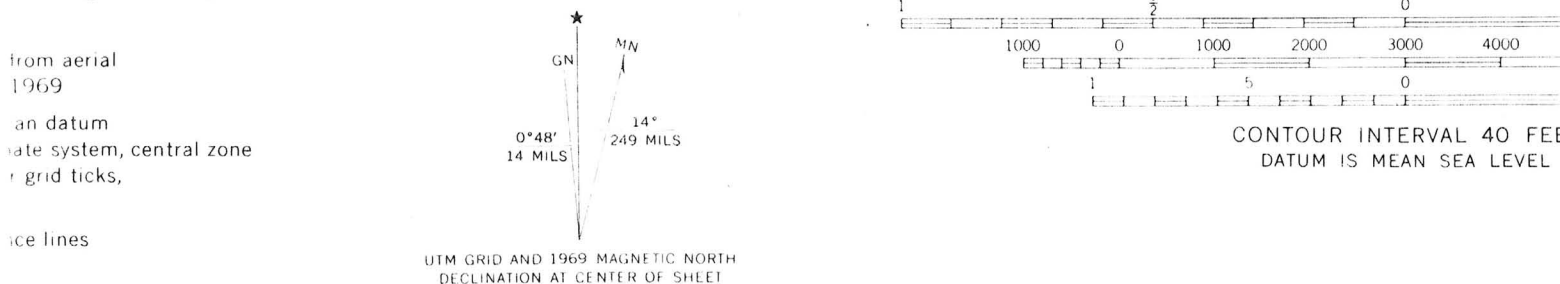
GOLD-(M) PLACER-PRIMARY

BIBLIOGRAPHY:

USGS COPPEROPOLIS QUAD
ADMMR BUCKHORN PROPERTY FILE
CLAIMS EXTEND INTO SEC. 20, 22, 23, 26, 27,
28 & 29 FOLLOWING THE BUCKHORN WASH



Geological Survey T8N R2W Sec. 28 (GARFIAS MOUNTAIN) 3551 IV NW SCALE 1:24,000



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO. A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE.

Copperopolis, AZ 7.5'

Do Not Reproduce

BUCKHORN PROPERTY

YAVAPAI COUNTY

11-23-77 - A map of Black Rock District and a map of Wickenburg, showing points of interest, are filed in the Wickenburg general file. 11-23-77 bh

KAP WR 1/9/81: William Memour, 200 Neptune Avenue, Encinitas, Calif 92024, of Buckhorn Mining Company (also P.O. Box 2401, Wickenburg AZ 85358) reported they plan to continue a dredging operation on Buckhorn Wash, Black Rock District (?) or Castle Creek District (?), Yavapai County (?). (Morgan Butte Quadrangle).

ARIZONA DEPARTMENT OF MINERAL RESOURCES
MINERAL BUILDING, FAIRGROUNDS
PHOENIX, ARIZONA

~~December 10, 1957~~

February 6, 1958

To the Owner or Operator of the Arizona Mining Property named below:

BUCKHORN PROPERTY
(Property)

GOLD
(ore)

We have an old listing of the above property which we would like to have brought up to date.

Please fill out the enclosed Mine Owner's Report form with as complete detail as possible and attach copies of reports, maps, assay returns, shipment returns or other data which you have not sent us before and which might interest a prospective buyer in looking at the property.

FRANK P. KNIGHT,
Director.

Enc: Mine Owner's Report

REFERENCE 1 F1 < USBM-ABGMT FILE DATA >
REFERENCE 2 F2 < AZ DEPT MIN. RESOURCES FILE DATA >
REFERENCE 3 F3 < >
REFERENCE 4 F4 < >

U.S. CRIB-SITE FORM

RECORD IDENTIFICATION

RECORD NUMBER B10 < > RECORD TYPE B20 < X.M > DEPOSIT NUMBER B40 < >
REPORT DATE G1 < 8.1.11 > INFORMATION SOURCE B30 < 12 > FILE LINK IDENT. B50 < USBM-004 035 >
REPORTER(SUPERVISOR) G2 < LARABA PETER > (DEWITTED)
(last, first, middle initial) (last, first, middle initial)
REPORTER AFFILIATION G5 < ABGMT > SITE NAME A10 < WILLIS MINE >
SYNONYMS A11 < BUCKHORN PROPERTY >

LOCATION

MINING DISTRICT/AREA A30 < CASTLE CREEK DISTRICT >
COUNTY A60 < YAVAPAI > STATE A50 < AZ > COUNTRY A40 < U.S. >
PHYSIOGRAPHIC PROV A63 < 1.2.1 >
DRAINAGE AREA A62 < 1.5.0.7.0.1.0.2.1 >
QUADRANGLE NAME A90 < COPPERPOLE > (1.4.6.9.)
SECOND QUAD NAME A92 < > (>
ELEVATION A107 < 2.800.0 FT > LAND STATUS A64 < 0.0.1.1.1.1.1 >
QUADRANGLE SCALE A100 < 2.4.0.0.0 >
SECOND QUAD SCALE A91 < >

UTM
NORTHING A120 < 3.7.6.4.0.8.0 >
EASTING A130 < 3.6.4.5.8.0 >
ZONE NUMBER A110 < 1.1.2 >

ACCURACY
ACCURATE ☒ (circle)
ESTIMATED EST < >

GEODETTIC
LATITUDE A70 < - - - - - N >
LONGITUDE A80 < - - - - - W >

CADASTRAL

TOWNSHIP(S) A77 < 0.0.8. N. > RANGE(S) A78 < 0.0.2. W. >
SECTION(S) A79 < 22 >
SECTION FRACTION(S) A76 < SW OF NE >
MERIDIAN(S) A81 < GILA AND SALT RIVER >

POSITION FROM NEAREST PROMINENT LOCALITY A82 < 1.4 MILES SOUTH OF BLACK BUTTE >
LOCATION COMMENTS A83 < LOCATED ON NORTH SIDE OF BUCKHORN CREEK. WILLIS MINE NOT THE SAME AS THE
BUCKHORN MINE, 2 MILES TO THE NORTHWEST >

* COMMODITIES PRESENT C10 < C.U. A.G. A.U. >
* OFF MINERALS C30 < UNKNOWN >
* COMMODITY SUBTYPES C41 < >
* GEN. ANALYTICAL DATA C43 < >
* COM. INFO. COMMENTS C50 < >

* SIGNIFICANCE

	PRODUCER	NON-PRODUCER
MAJOR PRODUCTS	MAJOR < C.U. A.U. >	MAIN COMMODITIES PRESENT C11 < >
MINOR PRODUCTS	MINOR < A.G. >	MINOR COMMODITIES PRESENT C12 < >
POTENTIAL PRODUCTS	POTEN < >	
OCCURRENCES	OCCUR < >	OCCUR < >

* PRODUCTION

	PRODUCER	NON-PRODUCER
PRODUCTION (YES) (circle)	PRODUCTION SIZE (SML) MED LGE (circle one)	PRODUCTION UND NO (circle one)

* STATUS

EXPLORATION OR DEVELOPMENT

	PRODUCER	NON-PRODUCER
STATUS AND ACTIVITY A20 < U >		STATUS AND ACTIVITY A20 < L >

* DISCOVERER L20 < L.F. WILLIS >
* YEAR OF DISCOVERY L10 < > * NATURE OF DISCOVERY L30 < B > * YEAR OF FIRST PRODUCTION L40 < 1929 > * YEAR OF LAST PRODUCTION L45 < 1929 >
* PRESENT/LAST OWNER A12 < L.F. WILLIS (1929) >
* PRESENT/LAST OPERATOR A13 < L.F. WILLIS (1929) >
* EXPL./DEV. COMMENTS L110 < >

DESCRIPTION OF DEPOSIT

* DEPOSIT TYPE(S) C40 < VEIN >
* DEPOSIT FORM/SHAPE M10 < TABULAR >
* DEPTH TO TOP M20 < > * UNITS M21 < > * MAXIMUM LENGTH M40 < > * UNITS M41 < >
* DEPTH TO BOTTOM M30 < > * UNITS M31 < > * MAXIMUM WIDTH M50 < > * UNITS M51 < >
* DEPOSIT SIZE M15 < SMALL > M15 < MEDIUM > M15 < LARGE > (circle one) * MAXIMUM THICKNESS M60 < > * UNITS M61 < >
* STRIKE M70 < > * DIP M80 < >
* DIRECTION OF PLUNGE M100 < > * PLUNGE M90 < >
* DEP. DESC. COMMENTS M110 < >

DESCRIPTION OF WORKINGS

* Workings are: SURFACE M120 UNDERGROUND (M130) BOTH M140 (circle one)
* OVERALL LENGTH M190 < > * UNITS M191 < >
* DEPTH BELOW SURFACE M160 < > * UNITS M161 < >
* LENGTH OF WORKINGS M170 < > * UNITS M171 < >
* OVERALL WIDTH M200 < > * UNITS M201 < >
* OVERALL AREA M210 < > * UNITS M211 < >
* DESC. OF WORK. COM. M220 < >

GEOLOGY

* AGE OF HOST ROCK(S) K1 < P.R.O.T., TERT., > UNDATED, PROBABLY 1750 MILLION YEARS OR OLDER; UNDATED, PROBABLY MID-TERTIARY
* HOST ROCK TYPE(S) K1A < QUARTZ-MICA SCHIST, AMPHIBOLE SCHIST, GRANITE; RHYOLITE
* AGE OF IGNEOUS ROCK(S) K2 < P.R.O.T., TERT., > AS LINE K1
* IGNEOUS ROCK TYPE(S) K2A < GRANITE; RHYOLITE, ANDESITE TO RHYOLITE FLOWS
* AGE OF MINERALIZATION K3 < P.A.L.E.O.-M.I.D., > UNDATED, PROBABLY MIOCENE
* PERT. MINERALS (NOT ORE) K4 < QUARTZ, HEMATITE, UMONITE
* ORE CONTROL/LOCUS K5 < FAULTING, SHEARING
* MAJ. REG. TRENDS/STRUCT. N5 < FOLIATION IN PRECAMBRIAN SCHIST TRENDS N20E TO N50E, TERTIARY VOLCANICS DIP NE, STRIKE NW
* TECTONIC SETTING N15 < >
* SIGNIFICANT LOCAL STRUCT. N70 < VEINS PARALLEL LOW-ANGLE (LESS THAN 50 DEGREE DIP) FAULTS WHICH TREND NW
* SIGNIFICANT ALTERATION N75 < MINOR FE-STAINING
* PROCESS OF CONC./ENRICH. N80 < OXIDATION AT NEAR-SURFACE
* FORMATION AGE N30 < P.R.O.T., > UNDATED, PROBABLY 1750 MILLION YEARS AND OLDER
* FORMATION NAME N30A < UNNAMED PRECAMBRIAN SCHIST
* SECOND FM AGE N35 < >
* SECOND FM NAME N35A < >
* IGNEOUS UNIT AGE N50 < P.R.O.T., > AS LINE N30
* IGNEOUS UNIT NAME N50A < GRANITE
* SECOND IG. UNIT AGE N55 < P.A.L.E.O.-M.I.D., > UNDATED, PROBABLY MID-TERTIARY
* SECOND IG. UNIT NAME N55A < RHYOLITE DIKE, UNNAMED
* GEOLOGY COMMENTS N85 < DEPOSIT IS QUARTZ VEIN LOCALIZED ALONG LOW-ANGLE FAULT WHICH PROBABLY DISPLACES TERTIARY VOLCANIC ROCKS TO THE SOUTHEAST. DEPOSIT AGE PROBABLY MIOCENE

GENERAL COMMENTS

GENERAL COMMENTS GEN < >

May 27, 1957

BUCKHORN PROPERTY

Yavapai Co.

No. information-

This property idle.

MARK GEMMILL

From the desk of

FRANK P. KNIGHT

2-10-58

Mr. Ben Humphreys called at office.
His group dropped the claims some time
ago and he does not know whether
another has located them.

They had located some 20 claims
in T & R 2 W? Sects 20, 21, 22, 23, 26, 27, 28, 29

Mr. Humphreys said there
was large tonnage of about \$7 gold ore.

18 July 1941

Mr. Carl Palmer,
Morristown,
Arizona.

My dear Mr. Palmer:

Complying with request of Mr. J. S.
Coupal, I am enclosing herewith copy of Report of
W. C. Madge on Buckhorn Property.

A copy of the above report has been made
and placed in our files.

Yours very truly,

Charles F. Willis
Chairman, Board of Governors

CFW-jrf
encl.

Registered Mail
Return Receipt Requested.

Form 3811
Rev. 1-4-40

RETURN RECEIPT

*Received from the Postmaster the Registered or Insured Article, the original
number of which appears on the face of this Card.*

1. Carl Palmer
(Signature or name of addressee)

2. _____
(Signature of addressee's agent—Agent should enter addressee's name on line ONE above)

Date of delivery _____, 194__

BOARD OF GOVERNORS:
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CHAIRMAN
DR. N. H. MORRISON, PHOENIX
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SHELTON G. DOWELL, DOUGLAS
J. HUBERT SMITH, KINGMAN
LOYDE C. EDMONSON, GLOBE

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
CAPITOL BUILDING
PHOENIX, ARIZONA



J. S. COUPAL, PHOENIX
DIRECTOR
W. J. GRAHAM, PHOENIX
ASSISTANT TO THE DIRECTOR
AND SECRETARY TO THE
BOARD OF GOVERNORS
FIELD OFFICES AT
GLOBE - KINGMAN
PRESCOTT - TUCSON

July 13, 1941

REPLY TO

Dear Jess;-

I am enclosing a report on a placer property. Please make copies of the report and some day when time permits I will write up a mine owners report from it. Please return the enclosure to Mr. Carl Palmer, Morristown, Ariz.

Received thw two letter forwarded to me here.

I expect to be here until Wdenesday and will then be at the hassayampa Hotel in Prescott.

Am anxiously awaiting word from M. M. Stantaon Jr., or from Charles A. Saitta, Asbestos Corporation of America, 90 West St., New York., with check or word that the work is ready to start.

Watch out for "Personal" marked on some letters which may come for me or you may be surprised.

Best wishes,

Very truly,

Sam.

Opard

REPORT OF W. C. MADGE ON BUCKHORN PROPERTY

(Now owned by The Placer Developments, Inc.)

MADGE'S REPORT:

Report of the Willis & Hand Placer Property.

This property is situated two miles south of the Buckhorn Mine, and comprises about 480 acres along the Buckhorn Wash, at the mouth of a wide tributary wash, coming in from the north and is about twenty miles from Wickenburg, in Yavapai County, Arizona

This wash is one of the main gulches or washes running into Buckhorn, which at this point has an easterly and westerly course. At the confluence of the tributary wash has spread out into a wide area, comprising over one and one-half miles in length along Buckhorn.

Gold bearing gravels were brought down and deposited in this area. Probably several periods of upheavals and subsequent erosions of the region generally have taken place, changing the channel of the gulch, and enriching the gravels by concentration at the lower end of the tributary wash. Finally, this area was uplifted forming the existing low hills and ridges in the wide mouth of the wash, and the partial erosion of these has formed bars reaching out into the wash from these bases - these bars being enriched by the natural concentration resulting from the carrying away of the lighter soil and gravel in to the main wash. Most of the gold in these bars is naturally rather coarse - some of the finer having been carried into the wash with the lighter gravels.

The property comprises a 160 acre entry that covers the Buckhorn wash, and alongside of this, covering the bars, are some sixteen placer locations. The length along Buckhorn wash covering about two miles.

The depth of the gravel and soil will average 6 to 8 feet, and in places will reach 10 or 12 feet, and the gold is quite uniformly distributed from bedrock to surface and so far as known there are no barren layers or strath. The owners have sunk a number of prospect pits but not a sufficient number to determine accurately the value of the whole area. The bedrock is tilted somewhat in places and will have to be dug a short distance to recover all the gold. It may be somewhat difficult to clean in places. From a large number of samples panned from different parts of the ground and from results being obtained by the small crude operation now being carried on, it can be conservatively estimated that most of the area will average \$1.00 per yard - and some of the ground will undoubtedly run much higher, and there will probably be some rich and lean channels, but there is no way these can be located except by actual operations.

At present a small operation is being carried on by means of a team and scraper and four men, and pumping water for sluicing with a gas engine from a well sunk a few feet in the middle of the Buckhorn wash to the top of the pit they are working. About 500 gallons per minute being pumped, which first helps to wash down the bank, The coarse gravel and sand is then ground removed by scraper, and the finer gravel and sand is then ground sluiced in the pit and finally washed down a 10 x 12 inch sluice containing riffles. Most of the gold is coarse and is recovered in the pit along with considerable black sand, which is later cleaned on a small jig. It is a crude and expensive operation and the ground must give more than \$2.00 per yard to pay wages.

The payable area at present may be conservatively taken at 2500 yards in length by an average width of 200 yards and $2\frac{1}{2}$ yards deep - making a total of 1,250,000 yards, while there are additional areas containing several hundred thousand yards that will

probably prove profitable, but which have not yet been prospected sufficiently to make an estimate of their value.

In order to make this property accessible for profitable operation a road will have to be rebuilt a distance of about three and one-half miles, this road also serving the Buckhorn Mine. This road will cost perhaps between \$400 and \$500.

There is no running water in Buckhorn wash during the major portion of the year but below the surface - so far as known - there is always water, and the wells sunk in the bed of the wash have not been lowered any in pumping the first five hundred gallons per minute nor by ranch owners who pump water for domestic use and irrigation. This wash is the final and main drainage of a large area of the region, and is of sufficient fall for the water to work down to this point and below. I am of the opinion that a continuous supply of 700 gallons per minute can be pumped from the well in the wash, and should this diminish for a time during the driest season, water can be returned from the operation and reused. For the operation a lift of only 15 to 20 feet will be required.

The property can be operated with a power shovel and mobile screening plant and sluices, or other gold saving apparatus, and pumping plant. There are plants and apparatus manufactured now for just such a situation and conditions that are very successful. With the water available 500 yards per day can be handled with such equipment at a cost of not exceeding 30¢ per cubic yard. I would suggest Diesel engines for all power purposes, including the above pumping and screening plant. About 80 H.P. will be required. An operation can be carried on the year around and the shovel can be utilized in building the necessary road into the property, while the camp established could take care of the men on the development of the Buckhorn Mine so that no camp need be provided at the mine. It would be most advisable to begin operations here before starting on mine development at the Buckhorn, thus reducing the initial outlay for camp and road.

A capital expenditure of about \$30,000 should be provided for the necessary equipment, road buildings and camp to start this operation. It should produce a net annual return of \$80,000 for dividends.

In addition to this operation and its potential possibilities the large profits that may be derived from dredging the gravels of the main wash of the Buckhorn should also be considered. The property extends across and includes the bed of the wash, which averages several hundred feet in width for a distance of two miles, and the depth of bed rock will probably average 25 to 60 feet. Undoubtedly much gold has been carried into this main wash by the many tributaries that run into it and the high values of the bars running right down into this main alone indicates a heavy enrichment and concentration in the latter. The gravels of the wash adjacent to and along the length of the placer bars alone would probably yield a profit of at least \$500 and might yield more for it undoubtedly can be dredged for several miles. Excavation, careful damming to impound the water, and some pumping for clarifying, would likely make possible a dredging operation, but if there should be insufficient water a drag line excavation would be practicable.

There may be a short period in the driest season when there would be a water shortage, but I believe it desirable and feasible to dredge this wash, and its possibilities should be considered along with the placer operations.

Respectfully submitted,

(SIGNED) Wm. C. MADGE, E.M.

NOTE: This report was made in 1932 when the price of gold was at the old standard, so with the price today of \$35 per ounce the situation is much better.

W. H. McK, Jr.

Since the foregoing report was made by Mr. Madge, E.M., the present owners have acquired three more 160 acre tracts - making 960 acres, covering numerous other bars and covering the main wash for over three miles, thereby doubling the gravel in Buckhorn Wash, and more than doubling the bench ground, as the largest of these - comprising thirty to forty acres - was not covered by the attached report, but prospecting has shown this larger bar to be as good as those covered by Mr. Madge's report, attached hereto.

REPORT OF W. C. MADGE ON BUCKHORN PROPERTY

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probably prove profitable, but which have not yet been prospected sufficiently to make an estimate of their value.

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Respectfully submitted,

(SIGNED) Wm. C. MADGE, E.M.

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W. H. McK, Jr.

94
Mine Owners File
Cashion, Arizona,
May 1st, 1954.

1945

REPORT on BUCKHORN PLACER GROUND. Ben Humphreys.

Dear Sir:

I have obtained control of the placer ground in the Buckhorn Wash, situated in Township 8 North, Range 2 West of the Gila and Salt River Meridian, Arizona, being about twenty miles in a north easterly direction from Wickenburg. I would be very glad to interest some big placer operator to the extent of looking this ground over, with a view to leasing.

The Ground.

Buckhorn Wash heads on the east side of the divide between Castle Creek and the Hasayampa River, and flows into Castle Creek. Along the three miles of gold bearing gravel there are quite a number of high bars, some being forty feet above the present wash, all of these high bars have been extensively worked in the past twenty or thirty years. Small operations, in both the dry and the wet methods. But no large operations in the main wash have been tried.

My testing work consisted of proving the value of the gravel in the remaining high bars. I find that the majority of it will run from fifty cts. to two dollars per yard, with some spots possibly somewhat richer. The side canyons have eroded many hundreds of thousands, possibly millions of yards. And the many abrupt turns in the main canyon are very favorable for the concentration of rich deposits.

The water is very favorable to large placer operations. Buckhorn Springs, even during a dry season, flows about twenty inches, and during medium rain fall, double that amount. Several old wells and excavations show the water to be within a few feet of the surface of the wash now.

Roads. The new access road built over the route of the old Groom Mine road to serve the Abe Lincoln mine takes you over the summit to the head of Buckhorn Wash. A very good road. The remaining trail down the wash is a very good unimproved road. But anyone would be well advised not to go in a low hung car. A very little repair work would reopen the road from Castle Creek into the lower Buckhorn Wash.

Would be very glad of your assistance.

Thanking you, I am,

Yours very truly,

Ben Humphreys

Since the foregoing report was made by Mr. Madge, E.M., the present owners have acquired three more 160 acre tracts - making 960 acres, covering numerous other bars and covering the main wash for over three miles, thereby doubling the gravel in Buckhorn Wash, and more than doubling the bench ground, as the largest of these - comprising thirty to forty acres - was not covered by the attached report, but prospecting has shown this larger bar to be as good as those covered by Mr. Madge's report, attached hereto.

MB-94 ✓
~~MB-89~~

PLACER

May 1, 1945

3 miles of gold bearing gravel - number of high bars.
Runs from 50¢ to \$2.00 per yard. Water favorable
to large placer operations. Good road to within short
distance.

Buckhorn wash, Yavapai County, Arizona