

Beach Area (Coos County)

CHICKAMIN MINE

Beach Area

Located in sec. 25, T. 26 S., R. 14 W., in the south slough.

An open cut of the Chickamin mine, at an altitude of 60 feet on the east side of Brown Slough, exposes chiefly gray sand, with streaks of black sand and at the bottom a pebbly layer (fig. 16). The black-sand streaks range from 1 to 8 inches in thickness and are about 3 to 4 feet. The whole mass is rather compact and partly cemented by iron oxides and is regarded as offshore sediments. At the open cut a plant, which was idle at the time of visit, includes a steam shovel, sluices, shaking tables, and other equipment. The results of its operation were not learned.

A sample of the black sand contains about 85 percent of heavy minerals, of which 20 percent is magnetite and 65 percent chiefly chromite, with ilmenite and garnet. The remainder is quartz, undecomposed rock grains, and rusty-brown limonitic cement. This deposit is probably the same as one sampled by Hornor in July 1917 ^{39/} and described as on the land of M.J. Mathews. Assays of Hornor's samples indicate from \$1 to \$1.55 a ton in gold and platinum. Samples are also reported by Hornor representing 12 other exposures around South Slough, of black-sand beds which range from 1 to 8 feet in thickness. The assays indicated that 8 of the samples were barren and that 4 contained gold and platinum worth 20 to 60 cents a ton. The samples, however, do not represent definite quantities of the deposit and the results, as explained above, are merely qualitative.
Ref.: Pardee, 34:39 (quoted)

Beach Area
Coos County

APR 7 1939

Name: Chickaman Mine (gold).

Owner: W. H. Wann, Coos County Auditor, Coquille,
Oregon.

Area: Mr. Wann owns several hundred acres of which possibly eighty acres has black sand possibilities. The Chickaman mine is located as described in the U. S. G. S. Circular 8, and is in the S.W. $\frac{1}{4}$ of the S.E. $\frac{1}{4}$ of Sec. 25, T. 26 S., R. 14 W. The M. J. Matthews Black Sand Mine is located about 1,000 ft. west of the Chickaman, and it is in the S.E. $\frac{1}{4}$ of the S.W. $\frac{1}{4}$ of Sec. 25.

Informant: J. E. Morrison. March 27, 1939.



RECORD IDENTIFICATION

RECORD NO..... M013520
 RECORD TYPE..... X1M
 COUNTRY/ORGANIZATION. USGS
 FILE LINK ID..... CONSV
 MAP CODE NO. OF REC..

REPORTER

NAME..... LEE, W
 DATE..... 74 01
 UPDATED..... 7B 10
 BY..... BRADLEY, R.; WALKER, G. W.

NAME AND LOCATION

DEPOSIT NAME..... CHICKAMIN MINE
 SYNONYM NAME..... MATHEWS (M.J.) PROPERTY

MINING DISTRICT/AREA/SUBDIST. BEACH AREA

COUNTRY CODE..... US
 COUNTRY NAME: UNITED STATES

STATE CODE..... OR
 STATE NAME: OREGON

COUNTY..... COOS

QUAD SCALE QUAD NO OR NAME
 1: EMPIRE

LATITUDE LONGITUDE
 43-17-00N 124-18-17W

UTM NORTHING UTM EASTING UTM ZONE NO
 4792900. 394150. +10

TWP..... 26S
 RANGE..... 14W
 SECTION.. 25 26
 MERIDIAN. WILLAMETTE

ALTITUDE.. 60 FT

LOCATION COMMENTS: SE 1/4

COMMODITY INFORMATION

COMMODITIES PRESENT..... AU PT

MINDR DRE MINERALS:
MAGNETITE, GARNET

ANALYTICAL DATA (GENERAL)

ASSAYS INDICATE FROM \$1 TO \$1.55 A TON OF GOLD AND PLATINUM (1939)

EXPLORATION AND DEVELOPMENT

STATUS OF EXPLOR. OR DEV.

2
PROPERTY IS INACTIVE

PRESENT/LAST OWNER.....

W.H. WANN

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

PLACER

FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA

COMMENTS (DESCRIPTION OF DEPOSIT):

BLACK SAND STREAKS 1 - 8 INCHES THICK, AGGREGATE 3 OR 4 FT.

DESCRIPTION OF WORKINGS

COMMENTS (DESCRIP. OF WORKINGS):

DEVELOPED BY AN OPEN CUT.

PRODUCTION COMMENTS..... PRODUCTION NOT RECORDED.

GEOLOGY AND MINERALOGY

HOST ROCK TYPES..... BLACK SAND

PERTINENT MINERALOGY..... QUARTZ

GEOLOGICAL DESCRIPTIVE NOTES. DEPOSIT IS RATHER COMPACT-PARTLY CEMENTED BY IRON OXIDES AND IS REGARDED AS OFFSHORE SEDIMENTS.

GENERAL REFERENCES

- 1) BROOKS, H. C., AND RAMP, L., 1968 , GOLD AND SILVER IN OREGON: ODGMI BULL. 61 , P. 180
- 2) OREGON METAL MINES HANDBOOK, 1940 , ODGMI BULL. 14 -C, V. 1 , P. 19 , 22 - 23 .

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

ASSAY REPORT

Office Number 623

Grants Pass, Oregon

~~Baker, Oregon~~

June 22

1939

Sample submitted by J. E. Morrison

Grants Pass, Oregon

Sample description Following is the report on the sample from the property
of F. B. Hollister:

The assay results given below are made without charge as provided by Chapter 176, Section 10, Oregon Laws 1937, the sender having complied with the provisions thereof.

NOTICE: The assay results given below are from a sample furnished by the above named person. This department had no part in the taking of the sample and assumes no responsibility, other than the accuracy of the assay of the material as furnished it by the sender.

Sample Number	GOLD		SILVER		Percent	Value	Percent	Value	Total Value
	Ounces per ton	Value	Ounces per ton	Value					
	0.04	1.40	Trace						\$1.40

Market Quotations:

Gold ~~\$~~35.00 per oz.
 Silver ~~\$~~ per oz.
~~\$~~ per oz.
~~\$~~ per oz.

STATE ASSAY LABORATORY

Albert L. Lewis
 Assayer

West Bluff, Head of Brown Slough

"The most promising of these deposits is situated on the M.J. Mathews property in the SE $\frac{1}{4}$ of SW $\frac{1}{4}$ of sec. 26, T. 26 S., R. 14 W. The bed outcrops on the west face of a bluff near the head of Brown Slough, about 60 feet above sea level. It is opened by a tunnel 30 feet long having a direction of S. 60° W. At this opening the bed is exposed for a length of about 40 feet and is nearly 10 feet thick.

"The upper part of the bed is brownish-black consolidated material nearly 5 feet thick, with light-colored and dark sands in alternating bands in the bottom 18 inches. The lower part, approximately 4 feet 6 inches thick, has three partings 3 to 4 inches thick and 6 to 8 inches apart. These consist of alternating layers of black and white sand about 1/2 to 3/4 inch thick.

"The bed rests on a rather coarse-grained, iron-stained beach sand of undetermined thickness. The overburden is 25 to 50 feet of fine sand, clay and soil covered with vegetation, timber, and fallen logs.

"The exposure was sampled in two sections at the portal of the tunnel, and the samples were assayed with the following results:

	<u>Au and Pt, ounces per ton</u>
Sample H-122, over upper 4 feet 10 inches	0.00
Sample H-122A, over lower 4 feet 4 inches	0.02

"An approximate analysis of a composite of the two samples gave for the base metals present the following results: Fe₂O₃ (calculated from Fe), 30 to 33 percent; TiO₂, 10 to 15 percent, SiO₂, 30 to 35 percent. The balance consisted of CaO, MgO, Al₂O₃, and probably some zirconium.

"A sample (H-123) taken at a point 130 feet north of the tunnel, representing a thickness of 8 feet 2 inches, showed no gold and no platinum.

(over)

"This bed can be traced for probably 200 feet north of the tunnel and some 300 feet to the south. In the southerly direction the exposures are not so prominent as to the north. The bed, where exposed in a ravine that cuts it some 300 feet south of the tunnel, thins out to 3 to 4 feet thick.

"The breadth of this deposit could not be definitely determined, but probably does not exceed 200 feet. The outcrop could not be traced continuously for more than 400 to 500 feet, as it is concealed by vegetation and no systematic attempt has been made to expose the bed along its strike. The continuity of the outcrop is frequently broken by ravines, and evidently a large part of the bed has been eroded.

"No accurate estimate can be made of the quantity of material available, but from the nature of the deposit no large tonnage may be expected. The sand has little value for the precious metal it contains and is not promising in either quantity or quality as a source of iron ore or the associated metals - chromium and titanium.

East Bluff, Head of Brown Slough

"Situated in the SW $\frac{1}{4}$ of SE $\frac{1}{4}$ of sec.25 on the land of M. J. Mathews, and about one-quarter of a mile east of the outcrop mentioned in the previous paragraph is a small isolated bed of black sand mixed with fine and coarse gravel. This deposit is at the top of the bluff on the east side of Brown Slough at an elevation of about 120 feet. It appears to cover an area of less than one acre and where opened is 3 feet 4 inches thick with a covering of 6 feet of soil and gray sand.

"The workings consisted chiefly of an open cut, a pit 60 feet long, 10 feet deep, and 15 to 20 feet wide, and short tunnels.

"The valuable material removed from the tunnels and pit was carried by a surface tram about 200 feet long to a ravine, where it was washed in crude sluice boxes containing riffles and burlap.

"When visited the workings were idle, but judging from the small quantity of material removed and treated work had not been profitable.

"Two samples were taken at this place and assayed as follows:

	<u>Sample H-121</u>	<u>Sample H-131A</u>
Gold and platinum, ozs. per ton	0.06	0.23
Gold "	--	0.14
Platinum "	--	0.09

"The first assay (H-121) represents a sample of 38 pounds, taken over a width of 3 feet 4 inches, from which was sorted 6 pounds of coarse gravel. The remainder was quartered down and assayed. The second assay (H-121A) represents a concentrate of one-half pound from panning down 8 pounds of the original sample after the gravel was removed." (Ref: Hornor, 18:14-16 quoted).