

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

PIONEER and EAGLE MINES (Placer)
(Supplement to report in Bull. 14-C, vol. 1,
pp. 19 & 25)

Beach Area
Coos County

Owner: Leased by Coast Minerals Company, Oregon, Ltd., 311 Lumbermen's Building, Portland, Oregon, in 1952. The concentrating plant of this company is located on the west side of the Seven Devils road four (4) miles north of the Bullard's ferry on the Coquille River near Bandon. The Coast Minerals Company is a partnership consisting of Messrs. George E. and Harry Murphy.

Miscellaneous Information: At the time of this visit (Aug. 20, 1952) an open pit estimated to be 100 yards long, 40 feet deep and 30 feet wide has been completed. Black sand was exposed in the north end of the pit. Stripping operations were being conducted by the Wright Construction Company, a Michigan corporation. L. W. Deberry was the superintendent of these operations. Equipment observed consisted of two large Caterpillar bulldozers, a carryall (earth mover), and a dragline (about 1½ yard capacity).

The concentrating plant is well constructed and is electrically operated. A screw feeder regulates flow of sand from a hopper to a belt conveyor that carries the ore to a vibrating screen. Material is pumped from the screen to a distributor feeding 12 economy tables. Middlings from these tables are rerun on a thirteenth table. An amalgamator and retort are used to recover gold and the residue from the amalgamator is retabled to obtain a platinum concentrate. Black sand concentrates consisting mainly of chromite, magnetite, garnet, zircon, olivine, and a small amount of monazite are being stockpiled for possible future treatment in a plant being planned to separate these minerals.

Report by: D. J. W. Sept. 2, 1952

Visited: Aug. 20, 1952 by L. R. and D.J.W.

Informant: George Murphy

PIONEER MINE (Beach placer gold)

Beach Area.

Owner: Alex H. Smith, % Blindcraft, 7th. & Howard, San Francisco, Calif.
Leased to Western Consolidated Mining Corporation, E. McKenzie,
president; Leo S. Ross, secretary-treasurer, Yakima, Washington.

Location: Located about 4 miles north of Bullards, Oregon, on the Seven Devils Road.

Area: 1 patented mining claim 19.51 acres in the $W\frac{1}{2}$ of the $W\frac{1}{2}$ of the $NE\frac{1}{4}$ of sec. 33, T. 27 S., R. 14 W.

General Information: The Western Consolidated spent about \$17,000 on this property from July 15 to October 15, 1938. They set up a plant, and according to Mr. J. E. Babington, the watchman, only about 30 yards was run through the plant, and they were unable to make a satisfactory recovery. The property has been idle since October 15th of last year. The black sands occur on the average of about 52 feet below the surface; the whole claim has been mined, and only small areas of virgin ground can be found that the old timers have not worked. There are 3 long tunnels on this property which are caved, the longest of which is 1,340 feet.

Equipment: One 30" x 72" Trommel Screen.

Two 30" Tital Hydraulic Jigs

One Titan Rotary Amalgamator

One 45 hp Fairbanks Morse Diesel

One 48 amp. 220 volt A. C. Generator

Four pumps

One 2/5 yd. Erie Steam Shovel

Two 3 ton Pierce Arrow Trucks

One Fordson tractor

One 7 hp D.C. Diesel Generator Set

Informant: J.E. Morrison, March 25, 1939.

"This property adjoins the Eagle to the south, and is reported to have been patented in 1872. The claim was located in 1866 by A. H. Winch and John Dame, and later sold to Simon Lane, who worked the mine actively until the middle 70's, when it was closed. Some years later the claim was sold to Capt. Smith and son, of San Francisco, the present owners, but no attempt has been made to work it. At the time of the author's visit, C. W. Smith, one of the owners, was on the ground for the purpose of interesting men in the property.

"The workings are in the same deposit as the Eagle Mine, and the methods of mining, and treatment were similar to those used at the Eagle." (Ref: Horner, 13:21 quoted).

"At the time of examination the mine was being operated with sluice boxes suitable for the small head of water then available, and a dragline scraper was being used to remove 15 or 20 feet of overburden consisting of gray sand.

"The pay streak is a layer of black sand 3 feet or more thick, the richer part of which was mined through drifts said to have been made more than 60 years ago. Some of the mining timbers as well as an occasional huge log of drift wood are exposed by the present workings. Samples of the black sand remaining averaged about 3 percent of magnetite and 55 percent of chromite and ilmenite together. Gold and platinum alloy were being recovered by sluicing. A sample of the platinum alloy as determined by a spectrographic

examination by George Steiger in the laboratory of the United States Geological Survey is composed of a relatively very large amount of platinum and smaller amounts of iridium and ruthenium. It contains in addition a possible trace of rhodium but no osmium of palladium.

"Most of the black-sand tailings resulting from former operations at the Pioneer mine were washed down Cut Creek until they reached a ponded area near the sea known as the Lagoons, where they have formed a deposit several acres in extent. A sample from a hole 3 feet deep at one place contained 4 percent of magnetite and 60 percent of chromite and ilmenite. It is said that the tailings in the Lagoons contained unrecovered gold and platinum, and in July 1931 a machine designed to test the deposit for these metals was being installed. The result was not learned". (Ref: Pardee 34:38 quoted).

ROSE MINE

Beach Area

Owners: C. D. Walker, J. L. Berghamer, J. H. Fackler, Edith Covert,
Leng Dafoe

"An old placer mine, the Rose, is on the south branch of Twomile creek, at an altitude of 150 feet, 150 acres in the NE $\frac{1}{4}$ sec. 21, T. 27 S., R. 14 W., about 7 miles north of Bandon, Ore.

"This mine was located and worked for a number of years by Abraham Rose, who is reported to have recovered considerable gold and platinum from the black sands and gravel by ground sluicing. The property in recent years passed into the hands of a Detroit, Mich., company, headed by Dr. Ewell and George De Foe, and they equipped it with a gasoline-driven centrifugal pump to operate a hoze and nozzle. The sand and gravel were washed from a 20 to 25 foot bank and carried by a bedrock flume to a mechanically driven rocker, which removed the light material and part of the black sands. The concentrates from the rocker were passed over a pinder circular table, mercury and soda being added. The gold and platinum were collected as an amalgam and the black sand went to waste.

"The plant ran about four months, when it was closed down, having proved a failure."

"A sample (H-131) was taken from a bed of massive black sand 4 feet thick, exposed in an old ditch near the foot of the 25-foot bank. The bed at this point rests on a shale bedrock. The sample was barren". (Ref: Hornor, 18:24 quoted).

SENGSTACKEN MINE (Placer)

Beach Area

Owner: Henry Sengstacken Co., Marshfield, Oregon

Location: 180 acres in the E $\frac{1}{2}$ of Sec. 25. The mine is located in the NE $\frac{1}{4}$ of the SE $\frac{1}{4}$ of sec. 25. This property has not been operated for a number of years.

Informant: J. E. Morrison, March 7, 1939;

"Sample H-120 was taken from the face of an old cut showing 4 feet 10 inches of black, heavy, consolidated sand with probably 5 to 6 feet of sand and soil covering. Beneath the bed of black sand is fine iron-stained beach sand.

"The deposit outcrops at an elevation of 60 feet near the top of a heavi-

ly wooded bluff near the head of Talbott Slough on land owned by H. Sengstacken in the SE $\frac{1}{4}$ of NE $\frac{1}{4}$ of Sec. 25, T. 26 S. R. 14 W. The deposit has been opened by a number of prospect cuts and shallow pits and appears to be of small extent. No work has been done in recent years.

"The sample showed a gold and platinum content of 0.01 ounce a ton."
(Ref: Hornor, 18:16 quoted).

U. S. MINING CO.

Oregon corporation; capitalization \$50,000; Chester A. Sheppard, 1208 Public Service Bldg., Portland, Oregon, president; Emery Olmstead, 2619 Cornell Road, Portland, Oregon, secretary-treasurer.

Property: SW $\frac{1}{4}$ and NE $\frac{1}{4}$ sec. 16, T. 27 S., R. 14 W., containing 320 acres; the SW $\frac{1}{4}$ is the Fletcher-Myers property (which see) and the NE $\frac{1}{4}$ was secured from D. A. Long; situated about 3 miles NE of Bandon in marine sands about 100 feet above sea level. No activity in 1938.

WESTERN CONSOLIDATED MINING CORPORATION

Beach Area.

E. McKenzie, president; Leo S. Ross, secretary and general manager,
Yakima, Washington.

Purchasing under contract the following properties which are described elsewhere:

Eagle Mine
Lane Extension Mine
Pioneer Mine.

Source

Pioneer Mine, Coos County (6 $\frac{1}{2}$ miles north of Bandon)

Samples:

1. Tyler cut about 5" wide, 5" deep, 4' high on a black sand lens. Sample for chromite content by Earl K. Nixon. The black sand is in the shape of a wedge, the thinnest on the ocean side, about 7 $\frac{1}{2}$ ' average thickness, 300' wide, and reportedly a mile long. It is overlain by white duned sand.
2. Sample from tailings below sluice. 3 variations at each of (a) heads, (b) center, (c) tail of pile. Tailings about 1' thick.
3. Sample from dry tailings ^{race} ~~ridge~~ above sluices. Considerable black sand.
4. Sample from Bunkers, now operated.

Pioneer Mine, Coos County ($6\frac{1}{2}$ miles north of Bandon)

Samples:

1. ^{Triangular} ~~Tyler~~ cut about 5" wide, 5" deep, 4' high, on a black sand lens. Sample for chromite content by Earl K. Nixon. The black sand is in the shape of a wedge, the thinnest on the ocean side, about $7\frac{1}{2}$ ' average thickness, 300' wide, and reportedly a mile long. It is overlain by white ~~dune~~ ^{dune} sand.
2. Sample from tailings below sluice. ^{shovel full from} 3 ~~variations~~ ^{at} each of (a) heads, (b) center, (c) tail of pile. Tailings about 1' thick.
3. Sample from dry tailings ^{race} ~~raise~~ above sluices. Considerable black sand.
4. Sample from Bunkers, now operated.

For chromite tests.

Photos: Roll # 30 # 10-16 inclusive.

MAR 30 1939

Beach Area
Coos County

Name: Pioneer Mine (Beach Placer Gold)

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c/o Blindcraft,
7th & Howard,
San Francisco, California.
Leased to Western Consolidated Mining Corporation,
E. McKenzie, President,
Leo S. Ross, Secretary-Treasurer,
Yakima, Washington.

Location: Located about 4 miles north of Bullards, Oregon on
the Seven Devils Road.

Area: 1 patented mining claim 19.51 acres in the W. $\frac{1}{2}$ of
the W. $\frac{1}{2}$ of the N.E. $\frac{1}{4}$ of section 33, T. 27 S., R. 14 W.
See enclosed sketch.

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Equipment: One 30" x 72" Trommel Screen.
Two 30" Titan Hydraulic Jigs. *also one 12" Jig.*
One Titan Rotary Amalgamator.
One 45 h.p. Fairbank Morse Diesel.
One 48 amp. 220 volt A.C. Generator.
Four Pumps.
One 2/5 yd. Erie Steam Shovel.
Two 3 ton Pierce Arrow Trucks.
One Fordson Tractor.
One 7 h.p. D. C. Diesel Generator Set.

Informant: J. E. Morrison. 3/25/39.

P-15781
Cr₂O₃

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

2033 First Street
Baker, Oregon

1069 State Office Building
Portland 1, Oregon

239 S.E. "H" Street
Grants Pass, Oregon

REQUEST FOR SAMPLE INFORMATION

The State law governing analysis of samples by the State assay laboratory is given on the back of this blank. Please supply the information requested herein as fully as possible and submit this blank filled out along with the sample.

Your name in full George F. Murphy

Post office address 211 Lumbermans Building, Portland, Oregon

Are you a citizen of Oregon _____ Date on which sample is sent Dec. '53

Name (or names) of owners of the property _____

Are you hiring labor? _____

Name of claim sample obtained from _____

Are you milling or shipping ore? _____

Location of property or source of sample (If legal description is not known, give location with reference to known geographical point.)

County Coos Mining district Old Pioneer Mine

Township 27 S Range 14 W Section 33 Quarter section W₂ of W₂ of NE₄

How far from passable road and name of road _____

Channel (length) Grab Assay for Description

Sample no. 1 _____ Cr₂O₃ Upgraded Cr table concentrate

Sample no. 2 _____

(Samples for assay should be at least 1 pound in weight.)

(Signed) George E. Murphy

DO NOT WRITE BELOW THIS LINE - FOR OFFICE USE ONLY - USE OTHER SIDE IF DESIRED

Description _____

Sample number	GOLD		SILVER		CHROME	Iron		
	oz./T.	Value	oz./T.	Value	Cr ₂ O ₃	Fe		
P-15781	---	--	---	--	50.70%	4.54	---	---

Report issued _____ Card filed _____ Report mailed 12-23-53 Called for _____



STATE DEPARTMENT OF GEOLOGY
AND MINERAL INDUSTRIES

702 WOODLARK BUILDING
PORTLAND 5, OREGON

September 1, 1949

Samples by
Walter Scott
showing (1) conc.
by secret process
by Ziedrick et al
from Pioneer sand
(2) conc. made
by Coquille plant

Sample submitted by F. W. Libbey

Sample received on August 17, 1949

Analysis requested Chrome, Iron assay

Analysis by: when operating

L. C. Hoagland
Assayer

Lab. No.	Sample Marked	Results of Analysis		Remarks
P-9042	Pioneer Conc. no. 1	Chrome (Cr ₂ O ₃)	47.35%	Equiv. to 32.38% Cr Equivalent to 18.72% Fe.
P-9043	Govt. plant Conc. no. 2	Chrome (Cr ₂ O ₃)	40.62%	Equiv. to 27.78% Cr Equivalent to 17.60% Fe.
*****	*****	*****		*****
		<p>Chrome-iron ratio</p> <p>P-9042 1.7 to 1</p> <p>P-9043 1.58 to 1</p>		Cr = 68.4% of Cr ₂ O ₃
<p>The Department did not participate in the taking of this sample and assumes responsibility only for the analytical results.</p>				

RECORD IDENTIFICATION

RECORD NO..... M013526
RECORD TYPE..... X1M
COUNTRY/ORGANIZATION. USGS
FILE LINK ID..... CONSV
MAP CODE NO. OF REC..

REPORTER

NAME..... LEE, W
DATE..... 74 01
UPDATED..... 78 10
BY..... BRADLEY, R.; WALKER, G. W.

NAME AND LOCATION

DEPOSIT NAME..... PIONEER MINE

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: BANDON

LATITUDE LONGITUDE
43-11-37N 124-21-47W

UTM NORTHING UTM EASTING UTM ZONE NO
4783000. 389250. +10

TWP..... 27S
RANGE..... 14W
SECTION.. 33
MERIDIAN. WILLAMETTE

POSITION FROM NEAREST PROMINENT LOCALITY: 4 MILES N. OF BULLARDS, ON SEVEN DEVILS RD.

LOCATION COMMENTS: W 1/2 OF W 1/2 OF NE 1/4 ; 1 PATENTED MINING CLAIM, 19.51 ACRES.

COMMODITY INFORMATION

COMMODITIES PRESENT..... AU PT

DRE MATERIALS (MINERALS, ROCKS, ETC.):

MINDR DRE MINERALS:
MAGNETITE

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV.

6
PROPERTY IS INACTIVE
1866
A. H. HINCH
ALEX H. SMITH
WESTERN CONSOLIDATED MINING CORPORATION

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

BEACH PLACER

FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA

DEPTH TO TOP 52 FT
MAX THICKNESS..... 3 FT

DESCRIPTION OF WORKINGS

COMMENTS(DESCRIP. OF WORKINGS):

3 CAVED TUNNELS, THE LONGEST OF WHICH IS 1,340 FT.

PRODUCTION

YES

ANNUAL PRODUCTION (DRE, COMMOD., CONC., OVERBURD.)

PRODUCTION COMMENTS..... SMALL PRODUCTION.

GEOLOGY AND MINERALOGY

HOST ROCK TYPES..... BLACK SANDS IN BEACH SANDS

GEOLOGICAL DESCRIPTIVE NOTES. PAY STREAK IS LAYERED BLACK SAND 3 FEET OR MORE THICK.

GENERAL COMMENTS

THE MINE HAS A HISTORY OF NUMEROUS ATTEMPTS TO SET UP A PAYING OPERATION. BECAUSE OF EXTENSIVE OVERBURDEN, MORE THAN 50 FT. ON THE AVERAGE, AND VARIOUS OTHER CAUSES, ONLY THE EARLIER OPERATION WAS PROFITABLE.

GENERAL REFERENCES

- 1) OREGON METAL MINES HANDBOOK, 1940 , ODGMI BULL. 14-C, V. 1 , P. 25 - 26 .
- 2) BROOKS, H. C., AND RAMP, L., 1968 , GOLD AND SILVER IN OREGON: ODGMI BULL. 61 , P. 179 - 180





