

EAGLE MINE

Beach Area

Located in sec. 28 and 33, T. 27 S., R. 14 W. (19.51 acres in NW.  $\frac{1}{4}$  of NE.  $\frac{1}{4}$  sec. 33 and 80 acres in NW  $\frac{1}{4}$  sec. 28)

"This placer mine has to its credit perhaps the largest gold production of any of the black-sand operations of southwest Oregon. The deposit was discovered about the middle 60's and actively worked until 1873. Of late years the mine has been worked with indifferent success from time to time."

"All the mining has been done on the smaller tract. The 80-acre tract is said to contain deposits of black sand, but their value and extent have not been proven.

"The old beach sands that were successfully worked in the early days outcrop a few feet above the bed of the creek and have a cover of 50 to 60 feet of fine gray sand. A short distance up the creek they reach water level and soon disappear beneath the creek bed."

"The gold is not uniformly distributed, but appears to be in well-defined streaks or shoots, the richest part of the bed being the east or landward side. The gold content of the material mined in the early days must have been fairly high, but the unworked part of the deposit will probably not average more than a few cents a ton, although claims of \$1 to \$5 a ton in gold are made by those most interested. Platinum and its associate minerals, osmium and iridium, occur in a ratio of 5 to 10 percent of the gold content.

"At first the creek channel was worked for the gold that had concentrated from the erosion of the black-sand beds. Later tunnels were driven into the outcrops above water level, and drifts were run in either direction following defined pay shoots. As the workings were extended to the east, water was encountered, which stopped mining in that direction. To the west the shoots were worked until the limit of

EAGLE MINE (continued)

the pay dirt was reached. Finally pumps were installed and an attempt made to carry the workings below water level, but this proved too expensive, and the mine was closed down; probably, however, not before the richest part of the deposit had been worked out.

"The material mined was trammed in cars to sluice boxes, fitted with riffles and having the bottom covered with burlap, where it was washed to obtain a black-sand concentrate containing gold and platinum. The concentrate was treated by amalgamation for the gold, little attention being given in the early days to the platinum.

"In recent years a number of attempts have been made to open and work this mine, but all efforts have invariably met with failure.

Recent Developments

"About four years ago the property was acquired by some San Francisco parties and, under the direction of G.W. Bradford, was extensively prospected by drilling with an Empire hand drill. In all, about 50 holes were drilled, all of which are reported to have shown the presence of gold and platinum.

"Seemingly the drilling was not done in a systematic manner, and the results, which were not available to the writer, are likely to be unreliable and misleading. The drill holes indicated an overburden of 60 to 75 feet with an average of perhaps 65 feet." (Hornor)

"The Eagle mine, on Cut Creek north of the Pioneer mine, was idle at the time of visit. As described by Hornor it contains a bed of black sand 200 to 250 feet wide and several hundred feet long that is lenticular in cross section and 6 to 8 feet thick in the middle. This bed is composed

EAGLE MINE (continued)

of chromite, magnetite, ilmenite, and other heavy minerals, with a little gold and platinum. Except along Cut Creek, there is an overburden of 50 to 60 feet of fine-grained gray sand. Part of the deposit that has been worked, mainly by drifting, is said to have made a relatively large production, of which 5 to 10 percent of the value was in platinum and the remainder in gold.

"According to a report made in 1927 by J.D. Meech for the owners of the property a layer averaging  $5\frac{1}{4}$  feet thick yields 50 percent of concentrate composed as follows:

	Percent
Chromite, containing 50 percent of $Cr_2O_3$	44.20
Magnetite	18.90
Ilmenite, containing 50 percent of $TiO_2$	15.00
Zirconium (Zircon?) containing 95 percent of $ZrSiO_4$	13.70
	<hr/>
	91.80

"In addition, the material is said to yield \$3.50 in gold and \$1 in platinum (reckoned at \$100 an ounce) to the ton.

"Owing to the depth of the overburden it is estimated that 17 tons of crude sand would have to be handled to obtain 1 ton of concentrate." / Pardee  
Ref.: Pardee, 34:39 (quoted)  
Harper, 1910, 19 (quoted)

FLETCHER-MYERS PROPERTY

Beach Area

"This property is situated in the SW  $\frac{1}{4}$  of sec. 16, T. 27 S., R. 14 W. and joins the Rose mine on the north.

"So far as determined the black sand outcrops on the property at two points, on on the main branch of Twomile Creek and the other on a small branch flowing into the creek from the east.

"On the east side of Twomile Creek near an old logging camp, about 30 feet above the level of the creek and at an elevation of 140 feet, a



OREGON BLACK SAND

Exploration

Hole No. CD #2

Sheet 2 OF 2

EAGLE MINE (GOOPER) Property

Sec. 28 T 275 R 14 W

County COOS

Hole No. 2# Location 400.0 NORTH 400.0 EAST

Drill used CHURN DRILL

OF MID POINT OF S. BOUNDARY

Driller ECLEE CO. KERRIN DRILLING CO.

OF SEC. 28 T 275

Engr. in charge ALLAN GRIGGS

Elev. of collar 208.9 (ground elev.)

Mtrl. classified by HASH

Thickness overburden 53 ft.

Sampler HASH

Thickness of ore lens 8.0

Date hole begun 6-16-41

Elev. bottom ore lens 197.9

Date hole finished

Depth of hole 67

Shifts actually drilled

Elev. bottom of hole 147.9

Diam. casing 6 INCH Diam. shoe 7 1/2 INCH.

Elev. water table 176.9

Nature of bedrock BLUE SHALE

Theoretical vol. per ft. this hole

Depth		Sample										Remarks	
From	To	Cased To	Core Rise	Vol. Wet	Wt. Dry	Cr <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	Fe	P	SiO <sub>2</sub>	D		
00	5.0												DIRT, RED SAND
5.0	10.0												"
10.0	15.0												"
15.0	20.0												SAND WITH PETE SOIL BETWEEN 20 AND 21 FT.
20.0	25.0												GRAY SAND
25.0	28.0												"
28.0	33.0												"
33.0	35.0												"
35.0	40.0												"
40.0	45.0												"
45.0	50.0												"
50.0	53.0												SAND AND GRAVEL
13	53.0	54.0		0.6	50.1	1.0					107		BLACK SAND AND WOOD
14	54.0	55.0		.98	9.95	9.2					128.0		"
15	55.0	56.0		1.32	13.42	6.9					115.6		"
16	56.0	57.0		1.05	7.61	7.6					131.9		GRAY SAND BLACK SAND AND GRAVEL
17	57.0	58.0		1.31	13.22	16.8					133.3		GRAY SAND BLACK SAND AND GRAVEL
18	58.0	59.0		.96	9.02	13.5					125.8		"
	59.0	60.0		1.42	10.52	9.2					126.2		"
	60.0	61.0						10.2			125.4		BLUE SHALE

Copy ✓ Calc ✓



OREGON BLACK SAND Exploration

Hole No. COH 2a

Sheet 1 of 2a

Eagle (Cooper) Property

Sec. 28 T973R 14W

County Coos

Hole No. CO2a Location 400 N, 400 E  
1710

Drill used Star 240 Chain Drill

Driller THOMAS Co.

Engr. in charge Paulsen

Mtrl. classified by "

Sampler "

Date hole begun 9/15/41

11:30 AM

Date hole finished 9/17/41

10:00

Shifts actually drilled 13

Diam. casing .5' Diam. shoe .62'

Elev. of collar (ground elev.)

Thickness overburden 50.0'

Thickness of ore lens 6.0'

Elev. bottom ore lens

Depth of hole 56.00

Elev. bottom of hole

Elev. water table - 31.0'

Nature of bedrock Blue ss.

Theoretical vol. per ft. this hole

Depth			Sample									Remarks
From	To	Cased To	Core Rise	Vol. Wet	Wt. Dry	Cr2O3	TiO2	Fe	P	SiO2		
0	5										1	Buff Sand
5	10										2	" "
10	15	15									3	" "
15	20	20									4	" "
20	<del>25</del> 30	<del>25</del> 30									5	Grey ± 10% Black
30	35	37.7									6	" "
35	40	43.0									7	" "
40	45	45.0									8	" "
45	50	51.5									9	" "
50	52	51.5									10	Strang change + B.S.
52	54	54.0									11	Black Sand (BS)
54	55	55.									12/13a	" "
55	56	57									13	Gradual Black to Grey Grey Blue SS Bedrock.
Split U.S. G.S. Spec. to get best fractions												

*All samples from*

OREGON BLACK SAND Exploration

Hole No. 2014  
Sheet 1 of 4

Eagle (Copper) Property

Sec. 27 T30R  
County Clatsop

Hole No. 2014 Location 400 N. 100 E  
7-16  
Elev. of collar \_\_\_\_\_ (ground elev.)  
Thickness overburden \_\_\_\_\_  
Thickness of ore lens 161  
Elev. bottom ore lens \_\_\_\_\_  
Depth of hole \_\_\_\_\_  
Elev. bottom of hole \_\_\_\_\_  
Elev. water table \_\_\_\_\_  
Nature of bedrock gray ss

Drill used \_\_\_\_\_  
Driller Thomas Co. \_\_\_\_\_  
Engr. in charge Paris  
Mtrl. classified by \_\_\_\_\_  
Sampler \_\_\_\_\_  
Date hole begun 7/14/41 1941  
Date hole finished \_\_\_\_\_  
Shifts actually drilled \_\_\_\_\_  
Diam. casing .5 Diam. shoe .52  
Theoretical vol. per ft. this hole \_\_\_\_\_

Depth			Sample								Remarks		
From	To	Cased To	Core Rise	Vol. Wet	Wt. Dry	Cr <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	Fe	P	SiO <sub>2</sub>			
0	10										1	Start in Buff sand ± 570 Black	
10	15										2	Darker sand tan-grey	
15	20	20									3	" "	
20	25	25									4	" "	
25	30	30.8									5	" "	
30	35	35.2									6	Bit stuck in Iron Oxide Orange clay changed to white clay Many pebbles ± 570 Black	
35	37	37.7									7	Back into tan grey sand Many pebbles Light tan-grey ss.	
37	40	40.0									8	Light tan-grey ss	
40	43	44.6										Blue grey ss	
43	47												
47	51												
													Bed rock, casing pulled



1000N BLACK SAND Exploration Hole No. CD#5  
EAGLE (Company) Property Sheet 1045  
 Sec. 22 T 29 S R 14 E  
 County '93

Hole No. CD#5 Location 400' E, 1000N Drill used Star 3 1/2" Churn Drill  
10 5-10 2 5' Driller Thomas Co. \_\_\_\_\_  
 Engr. in charge Parsons  
 Elev. of collar \_\_\_\_\_ (ground elev.) Mtrl. classified by \_\_\_\_\_  
 Thickness overburden 56' Sampler \_\_\_\_\_  
 Thickness of ore lens 8.5 Date hole begun 7/19/41 11:00  
 Elev. bottom ore lens \_\_\_\_\_ Date hole finished \_\_\_\_\_  
 Depth of hole 64.5 Shifts actually drilled \_\_\_\_\_  
 Elev. bottom of hole \_\_\_\_\_ Diam. casing .50 Diam. shoe .32  
 Elev. water table -27' Theoretical vol. per ft. this hole .301  
 Nature of bedrock Grey sandy shale

Depth			Sample										Remarks
From	To	Cased To	Core Rise	Vol. Wet	Wt. Dry	Cr <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	Fe	P	SiO <sub>2</sub>	Sample		
0	10										1	Light Tan	
10	15	15									2	Light grey	
15	20	20									3	"	
20	25	25									4	"	
25	30	30									5	Light Grey Tan	
30	35	35									6	Darker grey	
35	40	40									7	"	
40	45	46									8	"	
45	50	51									9	"	
50	55	57									10	"	
55	56												
56	60	60				4.66				115.	11	Black sand, <sup>little garnet</sup> grey blue sand very <del>small</del> high conc. rils over night-10' Dissected.	
60	62	62				8.95				130.0	12		
62	64	64.5				12.8				144.7	13	Marked increase in garnet grey sandy shale bedrock Bit sunk 1' foot in sh.	
See attached sheet for continuation													
24													
78													
126. 11													

Black sand was struck in this hole fully ten feet above what in Churn Drill hole 2a. The geologist in charge was out hunting up urgently need casing. As a result only a grab sample was obtained of the first four feet of the black sand.

The next two samples were taken at two foot intervals. and consist of the entire sample. Exceptance to this is as follows. Over night there was a core rise of ten feet. The casing was driven down and this core rise removed and discarded. The asumption being that it had come from a single horeizon and was definitely not a part of the core cut by the pipe.

OREGON STATE UNIVERSITY Exploration

Hole No. 100

Eagle, Cooper Property

Sheet 100

Sec. 5 T 27 R 12

County Clatsop

Hole No. 206 Location 1800 N. 300 E Drill used 3 1/2" Sigsbee  
 Driller Thomas Co. Co.  
 Engr. in charge Dawson  
 Elev. of collar \_\_\_\_\_ (ground elev.) Mtrl. classified by \_\_\_\_\_  
 Thickness overburden \_\_\_\_\_ Sampler \_\_\_\_\_  
 Thickness of ore lens \_\_\_\_\_ Date hole begun \_\_\_\_\_  
 Elev. bottom ore lens \_\_\_\_\_ Date hole finished \_\_\_\_\_  
 Depth of hole \_\_\_\_\_ Shifts actually drilled \_\_\_\_\_  
 Elev. bottom of hole \_\_\_\_\_ Diam. casing \_\_\_\_\_ Diam. shoe \_\_\_\_\_  
 Elev. water table \_\_\_\_\_  
 Nature of bedrock \_\_\_\_\_ Theoretical vol. per ft. this hole \_\_\_\_\_

Depth			Sample									Remarks
From	To	Cased To	Core Rise	Vol. Wet	Wt. Dry	Cr2O3	TiO2	Fe	P	SiO2		
0	5	0									1. Light Tan	
5	10	0									2. Grayish Tan Shale	
10	15	0									3. "	
13	20	31				<del>5.82</del>				<del>123.0</del>	4. Tan Shale	
20	25	31									5. "	
25	30	31									6. "	
30	35	34.1									7. "	
35	40	33.2									8. "	
40	45	42.1									9. "	
45	50	42.2									10. Grayish Tan Shale	
50	55	50.2									11. "	
55	60	50.2				0.87				109.7	12. Sandstone, light tan	
52.5	55.5	52.0				2.52				107.6	13. " light gray	
55.5	58.5	55.0				5.22				123.0	14. "	
58.5	61.5	58.1				4.03				121.6	15. "	
61.5	64.5	61.2				7.00				118.6	16. "	
64.5	67.5	64.2				6.11				119.3	17. Sandstone, gray	
67.5	70.5	67.1				5.65				126.2	18. "	
70.5	73.5	70.2				3.42				122.7	19. "	

100-33  
Calc ✓  
copy

4.83

4.80 129.3

121



Exploration

Hole No. C.D.3

Sheet \_\_\_\_\_

Property \_\_\_\_\_

Sec.      T      R     

County \_\_\_\_\_

Hole No. C.D.3 Location 400' N and 600' E of center of South Boundary of Sec 28

Elev. of collar \_\_\_\_\_ (ground elev.)

Thickness overburden \_\_\_\_\_

Thickness of ore lens \_\_\_\_\_

Elev. bottom ore lens \_\_\_\_\_

Depth of hole \_\_\_\_\_

Elev. bottom of hole \_\_\_\_\_

Elev. water table \_\_\_\_\_

Nature of bedrock \_\_\_\_\_

Drill used Churn Drill

Driller Lee Co. Kerbin Drilling Co

Engr. in charge \_\_\_\_\_

Mtrl. classified by Woodward

Sampler \_\_\_\_\_

Date hole begun \_\_\_\_\_

Date hole finished \_\_\_\_\_

Shifts actually drilled \_\_\_\_\_

Diam. casing \_\_\_\_\_ Diam. shoe \_\_\_\_\_

Theoretical vol. per ft. this hole \_\_\_\_\_

Depth		Cased To	Core Rise	Vol. Wet	Wt. Dry	Sample						Remarks
From	To					Cr2O3	TiO2	Fe	P	SiO2	Grains	
0.0	5.0										1	Dirt & red sand
5.0	10.0										2	Gray sand
10.0	15.0										3	"
15.0	20.0										4	"
20.0	25.0										5	"
25.0	30.0										6	"
30.0	35.0										7	"
35.0	40.0										8	" + Clay
40.0	45.0										9	"
45.0	48.0										10	"
												Clay struck at approx 37.5 (Blue shale)

*Duplicate of  
now been  
taken*

MAR 30 1939

Beach Area  
Coos County

**Name:** Eagle Mine (Beach placer)

**Owner:** Mrs. Della C. Ridle  
Temporary address is Scio, Oregon. Normally live in vicinity of Bandon, Oregon. This property is being purchased by the Western Consolidated Mining Corporation, E. McKenzie, President, Leo S. Ross, Secretary and General Manager of Yakima, Washington.

**Location:** 4 miles north of Bullards, Oregon on the Seven Devil's road.

**Area:** 120 acres more or less of patented ground in Secs. 28 and 33, T. 27 S., R. 14 W. See inclosed sketch.  
The 19.51 acres that is described in the rough draft is not correct. This 19.51 acres is the Pioneer Mining claim and not a part of the Eagle. From the information I gathered locally, the statement that this is the largest gold producing black sand operation in Oregon is not correct. It would be necessary to include the Pioneer Mine in order to qualify this statement. Otherwise the write-up on the Eagle Mine is O.K.

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



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

MG-348  
Cr<sub>2</sub>O<sub>3</sub>, Fe

*Your copy*

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 David J. White (DOGAMI)

Post office address P. O. Box 417 Grants Pass, Oregon

Are you a citizen of Oregon Yes Date on which sample is sent 8-22-52

Name (or names) of owners of the property Coast Minerals Co.

Are you hiring labor? \_\_\_\_\_

Name of claim sample obtained from Eagle Mine

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 Coos Bay (Beach)

Township 27 S Range 14 W Section 28 Quarter section SE 1/4

How far from passable road and name of road On Seven Devils Road

Channel (length) Grab Assay for Description

Sample no. 1 x Cr<sub>2</sub>O<sub>3</sub>, Fe

Sample no. 2 \_\_\_\_\_

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

(Signed) David J. White

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

Description A magnetic separation chrome concentrate from a Black sand concentrate--Send a copy of results to Mr. Geo. E. Murphy, Coast Minerals

Co., 311 Lumberman's Bldg., Portland, Oregon

Sample number	GOLD		SILVER		CHROME	IRON		
	oz./T.	Value	oz./T.	Value	Cr <sub>2</sub> O <sub>3</sub>	Fe		
P-13281 MG-348	---	--	---	--	45.21%	20.73%	---	---

Report issued \_\_\_\_\_ Card filed \_\_\_\_\_ Report mailed 9-5-52 Called for \_\_\_\_\_



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

*copy*

*P-13706  
Cr<sub>2</sub>O<sub>3</sub>, Fe*

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 Coast Minerals Co. by George E. Murphy

Post office address 311 Lumbermens Building, Portland, Oregon

Are you a citizen of Oregon Yes Date on which sample is sent 11-29-52

Name (or names) of owners of the property partnership

Are you hiring labor? No

Name of claim sample obtained from Eagle mine

Are you milling or shipping ore? No

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 Coos Bay

Township 27 S Range 14 W Section 33 Quarter section \_\_\_\_\_

How far from passable road and name of road On Seven Devils road

Channel (length)          Grab          Assay for          Description         

Sample no. 1                   Cr<sub>2</sub>O<sub>3</sub> Iron ratio - Black sand  
processed

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	RATIO	
	oz./T.	Value	oz./T.	Value	Cr <sub>2</sub> O <sub>3</sub>	Fe	Cr-Fe	
P-13706	- - -	- -	- - -	- -	50.40%	11.75%	2.9 - 1.0	- -

Report issued \_\_\_\_\_ Card filed \_\_\_\_\_ Report mailed 11-25-52 Called for \_\_\_\_\_



# State Department of Geology and Mineral Industries

702 Woodlark Building  
Portland, Oregon

EAGLE MINE--(Beach Placer)

Beach Area

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"The deposit was discovered about the middle 60's and actively worked until 1873. Of late years the mine has been worked with indifferent success from time to time.

"All the mining has been done on the smaller tract. The 80-acre tract is said to contain deposits of black sand, but their value and extent have not been proven.

"The old beach sands that were successfully worked in the early days outcrop a few feet above the bed of the creek and have a cover of 50 to 60 feet of fine gray sand. A short distance up the creek they reach water level and soon disappear beneath the creek bed.

"The gold is not uniformly distributed, but appears to be in well-defined streaks or shoots, the richest part of the bed being the east or landward side. The gold content of the material mined in the early days must have been fairly high, but the unworked part of the deposit will probably not average more than a few cents a ton, although claims of \$1 to \$5 a ton in gold are made by those most interested. Platinum and its associate minerals, osmium and iridium, occur in a ratio of 5 to 10 percent of the gold content.

"At first the creek channel was worked for the gold that had concentrated from the erosion of the black sand beds. Later tunnels were driven into the outcrops above water level, and drifts were run in either direction following defined pay shoots. As the workings were extended to the east, water was



## EAGLE MINE (continued)

encountered, which stopped mining in that direction. To the west the shoots were worked until the limit of the pay dirt was reached. Finally pumps were installed and an attempt made to carry the workings below water level, but this proved too expensive, and the mine was closed down; probably, however, not before the richest part of the deposit had been worked out.

"The material mined was trammed in cars to sluice boxes, fitted with riffles and having the bottom covered with burlap, where it was washed to obtain a black sand concentrate containing gold and platinum. The concentrate was treated by amalgamation for the gold, little attention being given in the early days to the platinum.

"In recent years a number of attempts have been made to open and work this mine, but all efforts have invariably met with failure.

### Recent Developments.

"About four years ago the property was acquired by some San Francisco parties and, under the direction of G. W. Bradford, was extensively prospected by drilling with an Empire hand drill. In all, about 50 holes were drilled, all of which are reported to have shown the presence of gold and platinum.

"Seemingly, the drilling was not done in a systematic manner, and the results, which were not available to the writer, are likely to be unreliable and misleading. The drill holes indicated an overburden of 60 to 75 feet with an average of perhaps 65 feet." (Ref: Hornor 18).

"The Eagle mine, on Cut Creek north of the Pioneer mine, was idle at the time of visit. As described by Hornor it contains a bed of black sand 200 to 250 feet wide and several hundred feet long that is lenticular in cross section and 6 to 8 feet thick in the middle. This bed is composed of chromite, magnetite, ilmenite, and other heavy minerals, with a little gold and platinum. Except along Cut Creek, there is an overburden of 50 to 60 feet of fine-grained gray sand. Part of the deposit that has been worked, mainly by drifting, is said to have made a relatively large production, of which 5 to 10 percent of the value was in platinum and the remainder in gold.

"According to a report made in 1927 by J. D. Mereen for the owners of the property, a layer averaging  $5\frac{1}{4}$  feet thick



EAGLE MINE (continued)

yields 50 percent of concentrate composed as follows:

	<u>Percent</u>
Chromite, containing 50 percent of $\text{Cr}_2\text{O}_3$	44.20
Magnetite	18.90
Ilmenite, containing 50 percent of $\text{TiO}_2$	15.00
Zirconium (Zircon ?) containing 95 percent of $\text{ZrSiO}_4$	13.70
	<u>91.80</u>

"In addition, the material is said to yield \$3.50 in gold and \$1.00 in platinum (reckoned at \$100 an ounce) to the ton.

"Owing to the depth of the overburden it is estimated that 17 tons of crude sand would have to be handled to obtain 1 ton of concentrate." (Ref: Pardee, 34:39 - quoted; Hornor, 18:18,19 - quoted).

Report taken from:

Bulletin No. 14-C, Vol. 1., Oregon Metal Mines Handbook, pages 19, 20, & 21.



# 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 had 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



RECORD IDENTIFICATION

RECORD NO..... M013525  
RECORD TYPE..... XIM  
COUNTRY/ORGANIZATION. USGS  
FILE LINK ID..... CONSV  
MAP CODE NO. OF REC..

REPORTER

NAME..... LEE, W  
DATE..... 74 01

NAME AND LOCATION

DEPOSIT NAME..... EAGLE 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  
43-11-43N 124-21-43W

UTM NORTHING UTM EASTING UTM ZONE NO  
4783200. 389350. +10

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

POSITION FROM NEAREST PROMINENT LOCALITY: N1/2 NE1/4

COMMODITY INFORMATION

COMMODITIES PRESENT..... AU

DRE MATERIALS (MINERALS, ROCKS, ETC.):  
HEAVY MINERALS

MAIN DRE MINERALS:  
HEAVY MINERALS

EXPLORATION AND DEVELOPMENT  
STATUS OF EXPLOR. OR DEV. 1

GEOLOGY AND MINERALOGY

GEOLOGICAL DESCRIPTIVE NOTES. BED OF BLACK SAND 200-250 FEET WIDE, SEVERAL HUNDRED FEET LONG AND 6 TO 8 FEET THICK. OVERBURDEN OF 50 TO 60 FEET OF FINE-GRAINED GRAY SAND.

GENERAL REFERENCES

- 1) DDGMI BULL. 14-C, VOL. 1, P. 19
- 2) USGS CIRCULAR 8, P. 39
- 3) DRE BIN, VOL. 25, P. 102-103