

PROSPECT CARDS

Property Name Ashland Mine
 Property Owner _____
 Submitted by _____
 Location: State Ore.
 County Jackson
 Mining D. _____
 T 39 S R 1 E Sec. _____

Code No. _____
 Followup Recom. no
 Later Review Recom. _____
 Examined by _____
 Company _____
 Date _____
 Where filed _____

Metals		Production Metal
Cu	_____	_____
Mo	_____	_____
Pb	_____	_____
Zn	_____	_____
Ag	_____	_____
Au	<u>X</u>	_____
Fe	_____	_____
Mn	_____	_____
Cr	_____	_____
Ni	_____	_____
W	_____	_____
U	_____	_____
Re	_____	_____
P2O5	_____	_____
K2O	_____	_____
Sn	_____	_____
Be	_____	_____
Coal	_____	_____
Hg	_____	_____
Other	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____

AMS Quad _____
 Other Quad _____
 Production
 None 10² 10³ 10⁴ 10⁵ 50⁵ 10⁶
 TONS

_____	_____	_____	_____	_____	_____	_____
-------	-------	-------	-------	-------	-------	-------

Geology _____
 Host Rock _____

Mineralization
 Type vein
 Trend _____
 Ore quartz w. native Au, Ag and some sulfides
 Gangue _____

Alteration
 Type _____
 Extent _____

Bibliography
 USGS _____
 USBM _____
 Other _____

Remarks: _____

 Follow-up Recom. _____

Field Time
 None _____
 1 Day _____
 1 Week _____
 1 Mo _____
 +1 Mo _____

KEY to DEVELOPMENT PLAN- See Section Thru Workings.

- (A) Level No.10,North. Drive 50' or more North. Sink 100' or more. *When mined @ 4000
plated 2500*
- (B) Level No.7,South. Drive to fault zone,200' Raise to Level No.6,100' ** 16-20 @ 1 1/2'*
- (C) Main Level,South. Complete raise to surface,100'
- (D) Tunnel "A" Drive 50' North. (?)
- (E) New Adit,North
Below mill Drive North 100'
Drive South 300'
Raise to surface 200',if justified

Possibility-New Shaft,collar at North extension of Main Level.

General repair of South Shaft.

Improvement of water system.

Complete addition to mill building for compressor room,
move compressor and install second mill unit when justified.

Ball 1844.23 + 8.44
2755.73 + 12.17
1853.25 + 8.44
2117.54 + 10.9

Conc 12737 # 183.87
1170.98

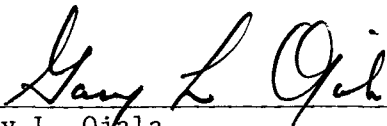
\$9731.86

5097.5

CONFIDENTIAL DISCLOSURE AGREEMENT

The undersigned hereby acknowledges receipt from Boise Cascade Corporation of proprietary and confidential information relating to Mineral Rights of Boise Cascade on its Fee Lands in the vicinity of Ashland, Oregon, and Mineral Rights of certain third parties in the vicinity of Ashland, Oregon. The undersigned agrees to treat as confidential said information and all additional information received from Boise Cascade Corporation concerning the subject matter thereof, and not to disclose any of said information to any third party and to maintain such confidentiality until released from the obligation specified herein by Boise Cascade Corporation in writing. The undersigned further agrees not to use any of said information other than for purposes of evaluating and determining whether or not the undersigned will enter into a Joint Venture with Boise Cascade Corporation for purposes of developing the Mineral Rights, information as to which is being disclosed pursuant to this Confidentiality Agreement. The undersigned further agrees not to attempt to obtain any lands in any governmental section within a five-mile radius of Ashland, Oregon and lying west of U.S. Interstate Highway I-5, for a period of two years from the date of this Agreement.

Nothing herein above contained shall deprive the undersigned of the right to use or disclose any information which becomes, at a later date, generally known to the trade or public through no fault of the undersigned; only after said later date and only to the extent and in the same manner as said information may be used by any member of the public.



Gary L. Ojala

Title: Manager of Exploration

Date: March 22, 1983

SUBJECT

A S H L A N D M I N E

NAME: Ashland Mine.

LOCATION: Jackson County, Oregon. Three miles from the City of Ashland.

ELEVATION: 3,500 feet.

AREA: 276 acres.

TITLE: Good commercial title. 166 acres patented mining lands.
110 acres deeded Government land.

FORMATION: Granite, Dioryte and associated formations.

VEIN: True Fissure. Strike, northeasterly-southwesterly. Dip about 45 degrees easterly. Width generally from 4 to 12 feet.

ORE SHOOT: There are two principal ore shoots proven in the main workings. North shoot and South shoot. Of the North shoot less is known but the South shoot occupies a zone ranging between 300 and 400 feet in length with a rake of some 45 degrees northeast. These shoots are separated by about 600 feet along the vein but recent development has disclosed considerable ore in the zone between and may prove eventually either a center shoot or that the shoots are practically connected on certain planes.

ORES: Usually massive, white to bluish, and sometimes nearly black, quartz containing native gold, silver, some Galena and pyrites.

MINERALS: Gold and little Silver.

VALUES: Throughout the history of the mine; Milling ores from \$5.00 to \$40.00 per ton. Shipping ores \$70.00 to \$240.00, former operations. Free gold 65-95 per cent. Concentrates 5-35 per cent. Gold bullion 740-780 Fine. Concentrates \$150.00-\$350.00 per ton. The product from ores treated during 1934-1935 and 1936 has been in excess of 90 per cent free gold and less than 10 per cent concentrates.

DEVELOPMENT: In round number. Original-Tunnels 6,000 feet. Shafts 1,100 feet. Raises 1,500 feet. New development 2,400 feet. Total roundly 11,000. Exploring the vein for a length of about 2,400 feet and to a depth of 1,200 feet on the incline.

PRODUCTION: Production previous to present operations is reputed to be about \$1,300,000, partly from shipping but mostly from milling with the old five-stamp mill formerly located at Ashland. A continuous, tho modest production has been maintained under present operations since 1933, entirely from milling at the new Ashland plant.

PROCESS: Stamp milling. Amalgamation and concentration.. Cyanide was tried but found unnecessary on ores from the lower levels where values are mostly in coarse free gold.

ORE TONNAGE: No general estimate of ore tonnage and valuation has been made up to this time as complete reopening of the mine has but recently been realized. Early mining was confined to a grade of ore exceeding \$15.00 per ton in value and this led to removal of the better ores developed above the main working

Continued

ORE

TONNAGE:

level and in part to the "800" level in the South shaft. Reopening discloses that the limit of these shoots was not determined, however, and therefore, while there is more or less ore in evidence on almost every hand the extent is unknown pending further development. Size of ore bodies and especially values have shown a marked increase with depth, the highest values now being encountered on "900" level, North.

COSTS:

Actual costs of mining and milling and milling on a one unit basis not exceeding 20 tons per day, present methods, is costing roundly \$3.50 per ton, exclusive of development and other improvements.

RECOVERY:

Recovery on ores now being treated by amalgamation and gravity concentration is ranging around 90%, largely due to the clean character of the ore, coarse free gold and to the careful application of these methods. Tailings are being impounded, however, for future treatment.

POWER:

Electric-Commercial, 3 phase, 220 volt. 95 horse power connected.

WATER:

Not abundant. Small surface supply. State right. Can be doubled by further development. Additional supply from pumping. Limited quantity from South shaft.

TIMBER:

Sufficient and suitable for mining needs. Owned by property.

DUMP-RIGHT*

Unlimited space within property lines below workings.

CLIMATE:

Suitable to continuous operations.

TRANSPORTATION:

Good auto road from City of Ashland, distance 3 miles. S. P. Railroad and Pacific Highway pass through the City of Ashland.

BUILDINGS:

Mine buildings. Ten stamp mill buildings, bin, etc. All new.

EQUIPMENT:

Mine equipment includes: Compressors, drills, air lines, pumps, hoists, water lines, storage tank, cars, skips, tracks, drill sharpener, shop equipment, tools, etc. Mill equipment includes: stamp mill, plates, rock crusher, concentrating table, cyanide tanks, with piping, shafting, pulleys, belting, etc., complete. Power equipment includes: 1-75 HP electric motor, 1-20 HP electric motor and 1-3 HP electric motor, complete with starters, switches, etc. Above equipment installed and operating.

INVESTMENT:

Permanent improvements, Underground development, surface improvements, excavations, roads, trams, bins, buildings, water system, etc., exclusive of equipment, represent an investment and replacement value of roundly \$250,000.00. Reopening, repair, development, improvements and operations under present ownership represent expenditures of about \$150,000.00 additional.

REMARKS:

Operations beginning with 1939 are being directed principally toward the North extension of the "900" level which is now being drifted on ore in new ground nearing 400 feet from the Main shaft. Sinking from this level will be undertaken when the end of the shoot is reached. Values continue mostly free and even better than in upper levels.

NOTE:

Under present ownership operation of the mine began in 1931. Milling began in 1933. These operations have gone forward continuously to date.

OWNER:

P. B. Wickham
Ashland, Oregon
Dated, March, 1939.

<u>Ashland Mine</u>		<u>Gold</u>	
NAME	OLD NAMES	PRINCIPAL ORE	MINOR MINERALS

30 South 1 West 12
T R S

.....Jackson..... COUNTY

.....Ashland..... AREA

.....3500 feet..... ELEVATION

..... ROAD OR HIGHWAY

3 miles N.W. of Ashland.... DISTANCE TO SHIPPING POINT

PUBLISHED REFERENCES

Ore. Metal Mines Hdbk. 14-C Vol.II, Sec.2
Park & Swartley 16:16

MISCELLANEOUS RECORDS

AddressAshland, Oregon.....

.....

.....

.....

.....

.....

.....

PRESENT LEGAL OWNER (S)P. B. Wickham.....

.....

.....

.....

OPERATORP. B. Wickham.....

Name of claims	Area	Pat.	Unpat.
<u>276 acres of patented land</u>			

Name of claims	Area	Pat.	Unpat.

EQUIPMENT ON PROPERTY

Mill and mining equipment

RECEIVED
OCT 17 1938

STATE DEPT OF GEOLOGY
& MINERAL INDS.

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

ASSAY REPORT

Office Number 1203

Grants Pass, Oregon

~~Esberox Ore~~

October 15, 1938

Sample submitted by Earl K. Nixon

704 Lewis Building, Portland, O

Sample description Base ore; level no. 9; Ashland Mine.

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					
	14.88	520.80	7.6	4.86					\$525.66

Market Quotations:

Gold \$35.00 per oz.
Silver \$ 0.64 per oz.
\$ per lb.
\$ per lb.

State Assay Laboratory

Albert C. Lewis
Assayer

MAR 20 1939

Ashland District
Jackson County

Additional Information To Be Added To The

Ashland Mine: Mr. Wickham has submitted a new report on the Ashland Mine and the following additions have been made to the Report which was made as of March, 1937,

On Page 1 under ORE TONNAGE change the last period to a comma which comes after "depth" and add "the highest values now being encountered on 900 ft. level, north."

On Page 2 to be added to the paragraph on INVESTMENT, "Reopening, repair, development, improvements and operation under present ownership represent expenditures of about \$150,000.00, additional."

On Page 2 a new paragraph entitled REMARKS should be added as follows: Operations beginning with 1939 are being directed principally toward the North extension of the "900" level which is now being drifted on ore in new ground nearing 400 feet from the main shaft. Sinking from this level will be undertaken when the end of the shoot is reached. Values continue mostly free and even better than in upper levels.

My Confidential remarks are as follows:

Mr. Wickham does not care to have it published that he has been milling for sometime on the ore from the 9th level that plates \$100 per ton. He is doing development work and the ore is only about one foot wide. It only produces enough ore for him to run ^{the mill} every other day.

The above information furnished by Mr. P.E. Wickham. 3/18/39.

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
ASSAY LABORATORIES

Baker, Oregon
Grants Pass, Oregon

SAMPLE INFORMATION REQUESTED

The law passed by the Legislature, governing the free assaying and analyzing of samples sent to a State Assay Laboratory, provides that certain information be furnished to the Laboratory regarding samples sent for assays, etc. A copy of the law will be found on the back of this blank. Please read the law carefully. Will you please fill in the information called for in the following blank, as far as possible, and return the same to the nearest State Assay Laboratory, along with your sample. If you have made out a blank, this copy is for your future use. Keep a copy of the information on each sample for your own reference.

Your name in full . . . *J. E. Morrison* . . .
Postoffice address

Are you a citizen of Oregon? . *yes* . Date on which sample is sent. *9/7/88* .

Name (or names) of owners of the property *P. B. Wadham Ashland Ore.* . . .

Name of particular claim and date of location *Ashland*

Location of property or source of sample:

- (1) County. *Jackson* (2) Mining District *Ashland*
- (3) Township *39 S* (4) Range *1 W* (5) Section *12*
- (6) Quarter Section

How far from passable road? *on road*

For what do you wish sample tested? . . . *gold & silver*

Does your sample represent a new discovery? . *yes* . *9th level*

On a newly located claim? *no* Old? *yes*

Has any ore from this claim been milled or shipped? . *yes*

Width of ore where sample was taken (length of channel cut) *3 ft*

Remarks: The Department would be pleased to have you add to the above, such information as you think would be of interest and value. Use the reverse side of this sheet or a separate sheet. This could best be shown by a pencil sketch, indicating the development on the claim with the widths of vein, especially the width of ore at the place where this sample was taken.

A sample, to be of value, should be taken in an even channel across the vein from wall to wall. Its position in the workings should be marked and the width measured. Assays of unlocated samples, without widths, are of little value. They create but little interest in the minds of experienced investors and engineers.

(signed) *J. E. Morrison*

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

ASSAY REPORT

Office Number -35 & -36

September 20, 1938

Grants Pass, Oregon
Baker, Oregon

Grants Pass, Oregon

Sample submitted by J. E. Morrison, Mining Geologist

Sample description Two samples from the Ashland Mine, owned by Mr. P. B.

Wickham. Sample no. 1 is the second sample that was left.

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					
1	0.06	2.10	0.90	0.57					\$2.67
2	2.13	74.55	1.0	0.64					75.19

Market Quotations:
 Gold \$ 35.00 per oz.
 Silver \$ 0.64 per oz.
 \$ per lb.
 \$ per lb.

State Assay Laboratory

Assayer

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
PROJECT SAMPLE RECORD

ACG - 40 - Au, Ag, Hg
41 - Au, Ag
42 - Au, Ag

SAMPLES SUBMITTED BY: Len Ramp ADDRESS: P. O. Box 417, Grants Pass, Ore. DATE: April 68

Sample No.	Mine or Prospect	Type	District	S.	T.	R.	Assay For
ACG-40	Ashland Mine	30" channel	Ashland	12	39 S	1 W	Au, Ag, Hg
ACG-41	"	4' "	"	"	"	"	Au, Ag
ACG-42	"	concentrate	"	6	"	1 E	Au, Ag

Descriptions:

- ACG-40 Fractured iron and manganese-stained vein quartz and weathered rock from the Ashland vein exposed in the open cut on the ridge top.
- ACG-41 Mixture of fractured vein quartz, iron-stained clay, granular quartz mica schist, and weathered diorite from "Deadman" vein in the southeast edge of a cut about 120 feet southeast of "Deadman shaft". The vein strikes about N 50° W and dips 60° SE.
- ACG-42 Concentrate from table in Ashland Mine Mill containing quartz, pyrite, tramp metal, mercury, amalgam, cinnabar, etc.

Results:

		GOLD		SILVER	MERCURY
		Oz/Ton	Value		
P-32619	ACG-40	0.52	\$18.20	1.68	Nil
P-32620	ACG-41	0.01	0.35	0.20	- -
P-32621	ACG-42	0.74	25.90	1.66	

4-10-68

copy sent to

EXPLORATION
of the
ASHLAND MINE
1942-1961

When war order L-208 closed the Ashland Mine early in 1942 Mr. Perry Wickham was deeply involved in debt. Being unable to meet his commitments he lost the property to Mr. G. S. Butler of Ashland, Oregon. Mr. Butler died during World War II and the mine was included in his estate. The present owners purchased the patented claims from the estate and obtained additional surrounding ground. The property was logged off but only minor intermittent exploration was conducted in the years up to 1959.

Early in 1960 a Nevada corporation obtained a lease on the property and proceeded to clean out and timber the portal and the "West Shaft" hoist room on the 250 level. Plans were then made to de-water the "West Shaft" workings but before this could be done the company was absorbed by another and activities ceased in November 1960.

In December 1960 an Oregon corporation then obtained a lease and commenced a de-watering program. The "West Shaft" incline was generally in good condition until the 500 level was reached. Between the 500 and 600 levels the shaft was completely blocked due to the fact that previous operators had robbed all the pillars supporting the shaft and it caved.

A secondary route was followed down to the 700 level where it was possible to get back over to the main shaft. From the 700 level to the 900 level de-watering proceeded faster because the open workings were less extensive.

The "West Shaft" ore shoot was continuous from the surface to the 900 level but had been nearly mined out.

Studies indicated that the area near the 900 level is close to the permanent water table. In the presence of acid solutions and manganese oxide, a chloride solution was formed which removed the gold especially in the soft gouge which constituted most of the pay streak. The small quartz stringers within the gouge resisted solution changes and still contain economic values.

The "West Shaft" ore shoot rakes to the north and on the 900 level it lies about 200 feet north of the inclined shaft. Even if the shaft were to be cleaned out between the 500 and 600 levels it is no longer feasible to use it for deeper exploration.

The "Ore Shoot" undoubtedly will continue below the 900 level and when workings penetrate far enough below the water table the gold content will probably increase again, even though it would be lower than in the oxidized zone.

Water flow would be no problem in the Ashland Mine because once it was de-watered the current flow could be pumped out in less than 2 hours per day. However, the water flow could increase if workings were to penetrate deeper.


Sampling throughout the mine revealed commercial values in several of the remaining pillars but the total ore that is immediately available, including the "York Shaft" would not exceed 3000 tons.

There are some possibilities along the strike of the vein that were never thoroughly investigated.

The Oregon corporation decided not to pursue exploration further so operations ceased in April 1961 and the mine was again idle.

Ashland, Oregon
April 27, 1963

Respectfully Submitted,


John M. Volgamore, Jr.
Geologist

State Department of Geology and Mineral Industries

1069 State Office Building
Portland 1, Oregon

ASHLAND MINE (gold)

Ashland area

Owner: P. B. Wickham, Ashland, Oregon.

Location: E $\frac{1}{2}$ sec. 12, T. 39 S., R. 1 W., three miles northwest of the city of Ashland at an elevation of 3,500 feet.

Area: 276 acres of patented land.

History: Parks & Swartley reported as follows:

"The Ashland mine is opened by means of the West shaft, about 900 feet deep, as measured on the incline of about 38°, reaching a vertical depth of about 800 feet beneath the top of the ridge. It is opened further by an adit, crosscutting westward about 500 feet to the vein and drifting on the vein about 1,500 feet to the shaft at a depth of 250 feet on the incline. The vein is also reached by the York shaft and an upper adit connected therewith. The chief vein has an average strike of N. 19° E. and a dip of about 40° E. There are two important ore shoots in the vein, one being opened by the York shaft and the other by the West shaft. Both pitch to the south and seem to converge downward. Most of the ore above the adit level has been removed. The vein is regular and persistent, varying in thickness from 2 to 12 feet; the quartz varies in thickness from 0 to 10 feet and occurs in lenses reported to pitch to the south. The vein varies only gently in strike and dip and is not faulted so far as open to inspection. It is in a country rock of coarse tonalite, fine-grained diorite, hornblendite and mica schist cut by a few dikes of aplite. The aplite is much more abundant on the hillsides of the mine than it is in the workings.

"According to information received from H. V. Winchell of Mineapolis, who examined this mine in 1899, there are several quartz veins on the Ashland ground, only two of which have been developed.

"In size the veins vary from a foot to ten or twelve feet in thickness and some of their outcrops can be traced for considerable distances across the Ashland claims. Near the surface and to a depth of one hundred feet or more the veins are oxidized and the sulfides have been removed by leaching. Below this depth, however, the ore is still free-milling, showing that the gold is mechanically associated with the pyrite instead of occurring in such an intimate admixture or combination that the ore is refractory and only to be treated by some chemical process like smelting or cyaniding.

"The vein filling is quartz and pyrite with more or less country rock. The walls are very smooth and well defined and there is always a gouge or selvage that makes easy mining or stoping of the ore.

"The vein on which the greatest amount of development

- 2 -

- 2 -

- 2 -

- 2 -

- 2 -

- 2 -

- 2 -

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- 2 -

- 2 -

- 2 -

"Soon afterward the mine was closed by injunction proceedings brought by owners of adjoining ground, and very little work, aside from the construction of a 10-stamp mill, has been done since.

"In 1898 and 1899 the ore from the Ashland mine was treated in a 5-stamp mill operated by water power. It was located at the city of Ashland, about four miles from the mine. The cost of hauling ore from the mine to the mill was between \$0.75 and \$1.00 per ton. Since then a 10-stamp mill has been erected at the mouth of the West shaft at an elevation of 3,350 feet by aneroid. It is equipped with a 6 by 10 Blake crusher, two 5-stamp batteries, Challenge feeders, two 5 by 15 feet amalgamating plates in sections of 7½ feet, and two 6-foot Johnston vanners. The mill has been but slightly used. Both mill and hoist were operated by steam from a horizontal fire-tube boiler, which is still on the ground.

"The prospects for making a valuable and important gold mine at the Ashland are very unusually good and it is to be hoped that difficulties in regard to ownership may be adjusted so that development may proceed.

"This mine has recently been taken over by Mr. A. W. Bartlett, of Ashland, Oregon, and associates. Mr. Bartlett proposes to mine and mill a large tonnage of ore above the 250-foot level in the old stopes and in the wall rocks, where he claims sufficient mineralization has taken place to allow them to be worked with profit. Mr. Bartlett purchased a part of the mill machinery of the Braden mine and installed it at the Ashland during August and September, 1916."

Under the present ownership the mine was opened in 1931 and milling began in 1933. The mine was closed late in 1939, and then reopened in 1941.

General: Water supply is limited but can be increased by pumping from the mine. Timber is sufficient for mining needs. There is insufficient snowfall to hamper operations. A county road leads to the mine property. There is unlimited space for dumps. Power (3 phase, 220 volt) is delivered to the mine.

Production: Production previous to present operations is reported to have been about \$1,300,000, partly from shipping ore but mostly from milling ore treated at the old five-stamp mill formerly located at Ashland. A continuous, modest production has been maintained under present operations from 1933-1939, entirely from milling at the new Ashland plant.

Development: In round numbers: Original tunnels 6,000 feet; shafts 1,100 feet; raises 1,500; new development, 2,400 feet; total 11,000 feet.

Development explores the vein for a depth of about 1,200 feet on the dip.

Equipment: Ten-stamp mill buildings, bins, etc., all new. Mine equipment includes: Compressors, drills, air lines, pumps, hoists, water lines, storage tank, cars, skips, tracks, drill-sharpener, shop equipment, tools, etc. Mill equipment includes: stamp mill, plates, rock crusher, concentrating table, cyanide tanks, with piping, shafting, pulleys, belting, etc., complete. Power equipment includes: 1-75 H. P. electric motor, 1-20 H. P. electric motor, and 1-3 H. P. electric motor, complete with starters, switches, etc.

Geology: Country rock is reported as tonalite by Winchell (14) and as granodiorite by Wells (39). The vein is a "fissure vein" about 4-12 feet wide. It strikes NE - SW and dips 45° SE.

There are two principal ore shoots proven in the main workings--a north shoot and a south shoot. On the north shoot less is known, but the south shoot occupies a zone ranging between 300 and 400 feet in length with a rake of some 45° northeast. These shoots are separated by about 600 feet along the vein, but recent development has disclosed considerable ore in the zone between and may prove eventually either a center shoot or that the shoots are practically connected on certain planes. The ores are usually massive quartz containing metallic gold and silver as well as some galena and pyrite. The quartz is white to bluish to nearly black in color.

Throughout the history of the mine, milling ores have assayed from \$5.00 to \$40.00 per ton. Shipping ores have assayed \$79.00 to \$240.00 per ton. Free gold amounts to 65-95 percent. Gold bullion has assayed 740-780 fine and concentrates from \$150.00 to \$350.00 per ton. The production from ores treated during 1934, 1935, and 1936 has been in excess of 90 percent from free gold and less than 10 percent from concentrates.

No exact estimate of available tonnage and value of ore has been made. Early mining was confined to a grade of ore exceeding \$15.00 per ton in value and this led to removal of the better ores developed above the main working level. Size and values of ore bodies have shown a marked increase with depth; the highest values now being encountered are on the "900" level, north.

Ore Treatment: Stamp milling is followed by amalgamation and concentration. Cyanidation was tried but found unnecessary on ores from the lower levels where values are mostly in coarse free gold.

Recovery on ores now being treated by amalgamation and gravity concentration is approximately 90 percent, largely due to the clean character of the ore and presence of coarse free gold. Tailings are being impounded for future treatment.

Informant: P. B. Wickham, 1939.

Reference: Parks & Swartley, 16:16 (quoted).
Burch, 41:107.

* * * * *

copy to John Volgamore 190 Hargadon Ashland also copy of Mar 60 Ore Bin

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

Pen

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 fully and submit this blank filled out along with the sample.

Your name in full Len Ramp (DOGAMI)

Street or P.O. Box P.O. Box 417 City & State Grants Pass, Oregon

Are you a citizen of Oregon? Yes Date on which sample is sent 4/11/60

Name (or names) of owners of the property Ashland Mining Co. Van Curler Bros.

Are you hiring labor? _____ Are you milling or shipping ore? _____

Name of claim sample obtained from Ashland Mine

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

County Jackson Mining District Ashland

Township 39 S Range 1 E Section 7 Quarter section _____

How far from passable road? _____ Name of road _____

	<u>Channel (length)</u>	<u>Grab</u>	<u>Assay for</u>	<u>Description</u>
Sample no. 1	<u>18"</u>	_____	<u>Au, Ag</u>	<u>intermediate drift</u>

Sample no. 2 _____
(Samples for assay should be at least 1 pound in weight)

(Signed) Len Ramp

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

Sample Description Gray fractured vein quartz with mixed chlorite some iron and copper-stained sulfides and lime on fractures.

Sample number	GOLD		SILVER					
	oz./T.	Value	oz./T.	Value				
P-25100 UG-64	<u>0.25</u>	<u>\$8.75</u>	<u>Nil</u>	<u>--</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>

Report issued _____ Card filed _____ Report mailed 4-19-60 Called for _____

copy sent to Volgamore 4/21/60

ASHLAND MINE

Ashland, Oregon

**RECOGNIZED AS ONE OF THE IMPORTANT GOLD MINES
OF THE PACIFIC COAST REGION.**

Property embraces 581 acres of patent lands.

Value of permanent improvements, development, etc... \$250,000

Reopened and equipped since 1930 at a cost of..... \$150,000

Total represented investment..... \$350,000

Developed by 900-foot shaft and 10,000 feet of underground workings.

Equipped with modern mining and mill plants.

Operated by electric power, connected load 100 horsepower.

Continuous operation under present ownership since 1931.

Production inclusive to date \$1,500,000.

**ONE OF THE LEADING INDUSTRIAL ENTERPRISES
OF JACKSON COUNTY.**

(Ashland Chamber of Commerce)

RECORD IDENTIFICATION

RECORD NO..... M013788
 RECORD TYPE..... XIM
 COUNTRY/ORGANIZATION. USGS
 FILE LINK ID..... CONSV
 MAP CODE NO. OF REC..

GENERAL REFERENCES

1) USGS BULL. 1290, PG. 84

REPORTER

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

NAME AND LOCATION

DEPOSIT NAME..... ASHLAND

MINING DISTRICT/AREA/SUBDIST. ASHLAND

COUNTRY CODE..... US

COUNTRY NAME: UNITED STATES

STATE CODE..... OR

STATE NAME: OREGON

COUNTY..... JACKSON

QUAD SCALE QUAD NO OR NAME

1: ASHLAND

TWP..... 39S

RANGE..... 01E

SECTION.. 06 07

MERIDIAN. W.M.

POSITION FROM NEAREST PROMINENT LOCALITY: SEC. 6 : SW1/4 SW1/4 SEC. 7: NW1/4 NW1/4

COMMODITY INFORMATION

COMMODITIES PRESENT..... AU

EXPLORATION AND DEVELOPMENT

STATUS OF EXPLOR. OR DEV. B

PRODUCTION

YES

ANNUAL PRODUCTION (ORE, COMMOD., CONC., OREBURD.)

PRODUCTION COMMENTS.... PRODUCTION OF \$1,300,000.00

RECORD IDENTIFICATION

RECORD NO..... M015641
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..... ASHLAND MINE

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

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

COUNTY..... JACKSON

TWP..... 39S
RANGE..... 01E
SECTION.. 05
MERIDIAN. W.M.

POSITION FROM NEAREST PROMINENT LOCALITY: SW1/4 OF SEC (ASHLAND QUAD)

COMMODITY INFORMATION

COMMODITIES PRESENT..... AU

EXPLORATION AND DEVELOPMENT

STATUS OF EXPLOR. OR DEV. 8

DESCRIPTION OF WORKINGS

COMMENTS(DESCRIP. OF WORKINGS):

DURING 6-MO PERIOD BEFORE 1942 CLOSURE \$565,000 REPORTED TAKEN OUT. TWO SHAFTS BEING DEVELOPED - THERE IS A 1500 FT TUNNEL WHICH MAY BE OPENED TO VISITOR.

PRODUCTION

YES

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

RECORD IDENTIFICATION

RECORD NO..... M060821
 RECORD TYPE..... XIM
 COUNTRY/ORGANIZATION. USGS
 MAP CODE NO. OF REC..

REPORTER

NAME..... PUFFETT, WILLARD P.
 DATE..... 74 03
 UPDATED..... 80 12
 BY..... FERNS, MARK L.; (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... ASHLAND MINE

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

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

COUNTY..... JACKSON
 DRAINAGE AREA..... 17 BEAR CREEK-ROGUE RIVER
 PHYSIOGRAPHIC PROV..... 13 KLAMATH MOUNTAINS

QUAD SCALE QUAD NO OR NAME
 1: 62500 TALENT OREGON-CALIFORNIA

LATITUDE LONGITUDE
 42-11-31N 122-45-24W

UTM NORTHING UTM EASTING UTM ZONE NO
 4670902.7 520092.1 +10

TWP..... 039S 039S
 RANGE..... 001E 001W
 SECTION.. 06 07 01 12
 MERIDIAN. WILLAMETTE

ALTITUDE.. 3400 FT

POSITION FROM NEAREST PROMINENT LOCALITY: 2 1/2 MILES W. OF ASHLAND

COMMODITY INFORMATION

COMMODITIES PRESENT..... AU AG PB CU

PRODUCER(PAST OR PRESENT):

MAJOR PRODUCTS.. AJ
 MINOR PRODUCTS.. AG CU

OCCURRENCE(S) OR POTENTIAL PRODUCT(S):

POTENTIAL.....

OCCURRENCE..... PB

ORE MATERIALS (MINERALS, ROCKS, ETC.):

GOLD, GALENA, CHALCOPYRITE, PYRITE, PYRRHOTITE, PYRITE, PYRRHOTITE

COMMODITY COMMENTS:

2.19 AU:AG

MINERAL ECONOMICS FACTORS

ECONOMIC COMMENTS:

SOME GOLD FREE MILLING; SOME COMBINED WITH PYRITE.

EXPLORATION AND DEVELOPMENT

STATUS OF EXPLOR. OR DEV. 6

PROPERTY IS INACTIVE

YEAR OF DISCOVERY..... 1886

NATURE OF DISCOVERY..... A

YEAR OF FIRST PRODUCTION. BEFORE 1900

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

VEIN/SHEAR ZONE

FORM/SHAPE OF DEPOSIT: TABULAR

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL

DEPTH TO TOP 0 FT

DEPTH TO BOTTOM..... 900 FT

MAX LENGTH..... 1 MILE

MAX THICKNESS..... 12 FT

STRIKE OF OREBODY.... N 20 E

DIP OF OREBODY..... 45 SE

DIRECTION OF PLUNGE.. S

DESCRIPTION OF WORKINGS

DEPTH OF WORKINGS BELOW SURFACE. 900 FT

LENGTH OF WORKINGS..... 11000 FT

COMMENTS (DESCRIP. OF WORKINGS):

ORE CAME FROM TWO DISTINCT SHOTS THAT WERE AS MUCH AS 500 FT. APART IN THE VEIN, BUT SEEM TO CONVERGE AT DEPTH
MAIN MINE DEVELOPMENT BY INCLINED SHAFT.

PRODUCTION

YES

CUMULATIVE PRODUCTION (DRE, COMMOD., CONC., OVERBUR.)

ITEM	ACC	AMOUNT	THOUS. UNITS	YEAR	GRADE, REMARKS
15	DRE EST	1588.00	DOLLARS	1886-1958	0.3-5.0 OZ/TON AU; 0.14 OZ/TON AG; 0.2 LB/TON CU

SOURCE OF INFORMATION (PRODUCTION).. USBM

PRODUCTION COMMENTS.... REPORTEDLY \$1,300,000 DRE HAS BEEN PRODUCED

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... TRI
HOST ROCK TYPES..... QUARTZITE, QUARTZ MICA SCHIST

AGE OF ASSOC. IGNEOUS ROCKS.. JUR
IGNEOUS ROCK TYPES..... QUARTZ DIORITE

PERTINENT MINERALOGY..... QUARTZ, SERICITE

LOCAL GEOLOGY

NAMES/AGE OF FORMATIONS, UNITS, OR ROCK TYPES

1) NAME: APPLGATE GROUP - QUARTZITE, MICA-SCHIST
AGE: TRI

NAMES/AGE OF IGNEOUS UNITS OR IGNEOUS ROCK TYPES

1) NAME: QUARTZ DIORITE
AGE: JUR

SIGNIFICANT ALTERATION:

VEINS OXIDIZED TO A DEPTH OF 100 FT.

COMMENTS (GEOLOGY AND MINERALOGY):

THE PROPERTY IS ON A FISSURE VEIN IN GRANDDIORITE ALONG THE CONTACT WITH HORNFELSED METASEDIMENTS.

GENERAL COMMENTS

RECORD NUMBERS (M017022), (M013337), AND (M013787) HAVE BEEN MERGED WITH THIS RECORD AND DELETED FROM THE OREGON FILE.

GENERAL REFERENCES

- 1) HOTZ, P.E., 1971, PLUTONIC ROCKS OF THE KLAMATH MOUNTAINS, CALIFORNIA AND OREGON: U.S. GEOL. PROF. PAPER 684-B
- 2) HOTZ, P.E., 1971, GEOLOGY OF LODE GOLD DISTRICTS IN THE KLAMATH MOUNTAINS, CALIFORNIA AND OREGON: USGS BULL. 1290 P. 57
- 3) BROOKS, H.C. AND RAMP, LEN, 1968, GOLD AND SILVER IN OREGON: ORE DEPT. GEOL. AND MIN. IND. BULL. 61, P. 271-273
- 4) PARKS, H.M. AND SWARTLEY, A.M., 1916, THE MINERAL RESOURCES OF OREGON, VOL. 2, NO. 4, P. 16-19: OREGON BUR. MINES AND GEOL.