Collier Creek Copper Company (dissolved 1912) Curry County

The work on this property was done about 1900 and nothing has been done since except possible yearly assessment work. Mr. Frank Berry has been dead about 20 years. According to Walter Fry of Agness no one claims the property at present.

Informant: J. E. Morrison

Collier Creek Copper Co. (dissolved 1912) Curry Co

Located about a 30 T 26 S R 13 W, south of House Cave Block.

Frank Berry, chief owner, died 1916; apparently abandoned.

Collier Mine. Strike N 25° E and two north veins Mohawk and Eagle. Strike N 10° E average width 4 ft; developed by open cut and one shaft. Country rock, quartzite, sandstone and slate. Mineralogy: Veins; Magnetite, pyrites, molybdenite, stibnite, copper. Traces of gold and silver. (Handbook pg 57-8 for details)
MEMORANDUM REPORT


INTRODUCTION

The purpose of this reconnaissance was principally to investigate the occurrence of cobalt in the Collier Creek area reported by Butler and Mitchell (1916: 96-100).

A total of seven days were required for the investigation with only two days spent in actual field work, the remaining five days being required to get to and from the area of investigation.

Prospects visited included: the Copper City Group near the Hurt cabin located in sec. 2, T. 37 S., R. 12 W.; Gray Copper No. 8 and the Adams Prospect in sec. 1, T. 37 S., R. 12 W., and Gray Copper No. 10 in sec. 36, T. 36 S., R. 12 W. Gray Copper No. 8 and No. 10 and the Adams Prospect are located near the trail extending from the North Fork of Collier Creek.

It was not possible to determine definitely if any of the properties visited correspond to any of those listed by Butler and Mitchell (1916:96-100). Description of the Bonanza King Copper Group by Butler and Mitchell (1916:99) corresponds closely to the present Copper City Group but the map location given is considerably in variance. It is believed, however, that these represent essentially the same property. The Reid Group mentioned by Butler and Mitchell (1916:100) may correspond to any or all of the other three prospects visited—Gray Copper No. 8 and No. 10 and the Adams Prospect.

The area is reached by some 20-25 miles of dirt and gravelled road (via either Hunters Creek road or the Pistol River road which extend east from the coast highway south of Gold Beach) and then by ten miles of trail extending from the Snow Camp Mt. road to the Hurt cabin via Huntley Springs and Sourdough Camp.

GENERAL GEOLOGY

There was insufficient time on this investigation to make other than very general observations regarding the geology of the Collier Creek area. The area immediately surrounding the Hurt cabin is largely peridotite and serpentinite. This is part of a large mass of ultrabasites which extends to the north to and beyond the North Fork of Collier Creek.
Sandstone, shale and chert were noted in the area a short distance west of the Hurt cabin and extending west to the vicinity of Saddle Mt. Butler and Mitchell (1916) mapped this as part of the Dothan formation. In the area along the main branch of Collier Creek east of the Hurt cabin they have mapped a body of gneiss, termed the Craggy Gneiss. They proposed that it is a metamorphosed phase of the adjacent Dothan formation.

All prospects examined occur within the ultrabasics in serpentine shear zones. The deposits examined consist of pods or lenses, largely composed of magnetite with associated copper minerals. Cobalt occurring as erythrite is present in some deposits but in relatively minor amounts.

Butler and Mitchell (1916:54-59) in describing this type of deposit and the related shear-zones in Curry County report as follows:

"'Boulder' or float deposits. These constitute the most interesting and, probably the most important deposits of copper in Curry County, and are so unusual in many of their features as to deserve somewhat extended description.

The first peculiarity to be noted is that the deposits are confined to serpentinite, or to peridotites or allied ultrabasic rocks which have been almost completely altered to serpentinite. While copper deposits in such materials are not unknown they are so rare as to make this association in itself a feature of rather unusual interest.

The second point worthy of consideration is the unusual mode of occurrence of the ore, as it is found in more or less boulder-like or lenticular masses which are usually unsystematically distributed throughout the serpentinite. These individual masses vary from a few ounces to several tons in weight, and commonly appear to be absolutely unconnected by stringers or anything else. The ore (described later) resists weathering to a notable degree, although exposed portions are sometimes partially converted to limonite, and often outcrops prominently so as to have the appearance of rounded fragments which have broken off from some higher deposit of great size, and have rolled down to their present position. In fact, practically all the prospectors with whom there was opportunity to talk were of the opinion that these masses are merely float, and that, when the mother lode is discovered, it will be found
to be a very large and rich vein of some kind. A little in-
vestigation in the field sufficed, however, to prove conclusively
that each mass of ore is in place in the serpentine. Although
this rock is sometimes more or less sheared and softened around
the ore bodies, the ore minerals are usually confined to the nod-
ular masses of ore themselves. In some places these little bod-
ies of ore are comparatively close together, while in others
they are widely separated, and often there seems little or no
system in their distribution or magnitude.

The third unusual feature shown by these deposits relates
to the nature of the minerals found in them. These consist
mainly of magnetite (magnetic oxide of iron), which is often
rather coarsely crystalline. Cavities frequently show the typ-
ical octahedral crystallization of this mineral, but, in at
least one locality, the crystals are cubical. Associated with
magnetite, are copper minerals of various kinds of which one
of the commonest is chalocite (sulphide of copper). This min-
eral has an unusually high luster, is notably sectile, and dif-
fers from the ordinary type of chalocite in that the prismatic
cleavage is uncommonly distinct.

Other minerals usually present in greater or less abundance
are cuprite (red oxide of copper), bornite (a sulphide of copper
and iron, which has a brownish color when untarnished), and
native copper which is sometimes present in nodular masses
weighing several pounds. Less frequently are found malachite
(green carbonate of copper), azurite (blue carbonate of copper),
chrysocolla (blue silicate of copper), tenorite (? black oxide
of copper), and erythrite (pinkish hydrous arsenate of cobalt).
Occasionally thin crusts or films of a bright green chromium
mineral of uncertain nature are also present.

In one or two localities, notably in the McKinley group
east of Gold Beach, chalcopyrite (sulphide of iron and copper)
and pyrrhotite (mono-sulphide of iron) constitute the bulk of
the sulphide minerals. Not infrequently chromite replaces the
magnetite to varying extent.

Practically no quartz or calcite, and little or no pyrite
or other minerals common in ordinary vein deposits are present.
In fact, the only gangue in the ore bodies is magnetite, chrom-
ite, or one or more of the other minerals already mentioned.

Mr. Frank Berry, of Agness, who has done considerable work
on this material, expressed the conviction that the copper ores
are always overlain with the magnetite or chromite. It is hard
to explain such an occurrence, although it is true that the re-
GENERAL GEOLOGY (continued)

Relationships seen in the field seem to substantiate this theory. It may be that the magnetite or chromite originally formed a core around which the sulphide minerals were deposited, and that the relative ease with which these may be disintegrated and leached away when exposed on the surface of the ground accounts for the fact that the core of magnetite or chromite is the material usually exposed. Unfortunately, most of the ore bodies examined had been so cut up or so largely removed by mining operations as to make it impossible to prove or disprove this hypothesis without the expenditure of more time and labor than could be given to the problem.

"Shear-zones in serpentine. In most of the serpentine areas which contain the boulder-like masses of ore already described, there also occur zones of copper-impregnated serpentine, locally called veins. In these the ore minerals are confined to the joints and slips everywhere plentiful in the serpentine, but which appear to be especially numerous at the points where the copper mineralization is most pronounced.

Surface exposures usually show no copper minerals excepting malachite (carbonate of copper) and chrysocolla (hydrous silicate of copper), but the presence of considerable limonite (hydrous oxide of iron) at some points indicates that the original minerals were sulphides of copper and iron.

The ore resulting from such impregnation as just described is very low-grade, at least where oxidized, but these deposits are of interest since they seem to be the loci of an unusually large number of boulder deposits of the type already described. While the latter are not by any means confined to such shear-zones, in some localities they are so closely connected therewith as to make it appear possible that the systematic development of these zones will expose a sufficiently large number of boulder deposits to make mining profitable.

An interesting feature of the type of deposit under consideration is their common presence parallel and in close proximity to dikes of dacite-porphyry. This suggests that the copper-bearing solutions have come directly from the dacite-porphyry after the serpenitization of the basic rocks into which they have been intruded, or that they have risen along the dacite-porphyry contact and spread into the adjacent sheared serpentine. They may have come from the same magma reservoir as did the dacite-porphyry. It has been suggested that the shear-zone deposits represent contact deposits originally of quite different types, which were later changed to their present condition as a result of the serpenitization process. The fact that the fragments of serpentine between the films of copper minerals do not themselves appear to be copperiferous, makes it appear unlikely that any considerable metamorphism
GENERAL GEOLOGY (continued)

Shear-zones in serpentine (continued)

has occurred after the introduction of the copper minerals; and the small size of some of the dacite-porphyry dikes mitigates against the theory that the mineralizing solutions were expelled directly from them during solidification. As some decidedly sheared zones of serpentine in the neighborhood of boulder deposits show no copper stains, and as it is difficult to understand how serpentinization could produce two such distinctly different types of deposits as the boulders and shear-zones, it seems most likely that the ore solutions have risen along the dacite-porphyry and spread into the adjacent sheared serpentine."

DESCRIPTION OF PROSPECTS

Copper City Group (Cu, Ni, Co)

Old name: Bonanza King Copper Group

Owner: J. B. Myers, Gold Beach, Oregon

Area: 8 lode claims

Location: All claims are near the Hurt cabin with the main workings being located some 700-800 feet southwest of the cabin (see attached sketch map).

History: According to Butler and Mitchell (1916:99) the Bonanza King Group consisted of three claims in 1916 owned by F. G. Hurt of Agness. He purchased one, the Bonanza King, of W. W. Whitton, in 1898, and the second, the Bonanza King extension, in 1912 from A. J. Canfield. A third claim, the Spotted Faun, was located by Hurt in 1912.

The ownership and the name has apparently changed several times since then.

The only reported production was described by Butler and Mitchell (1916:53-54) as follows:

"Mr. F. G. Hurt, of Agness, was interviewed upon the arrival of the party at that point. He claimed that Dr. T. R. Lines took 45 tons of copper ore from Hurt's copper properties near Collier creek, and shipped it to San Francisco in 1908. The ore is said to have been brought to Agness on pack-horses,
DESCRIPTION OF PROSPECTS (continued)

carried to Gold Beach in small boats, and then shipped by water to San Francisco. No information concerning the outcome of this venture was obtainable as Dr. Hines was never heard from after taking out the ore. It is claimed, however, that 2,700 pounds of the ore, which happened to be left in Agness, was shipped by Mr. Ed. Miller in order to secure reimbursement for packing expenses incurred; and that it paid the cost of shipment and treatment, and yielded a net profit of $45. It is said that this ore consisted chiefly of bornite, but contained some native copper.

Geology and Development:

Development work consists of numerous open cuts, three short adits, two of which are partially or completely caved and two shafts, also partially caved. See accompanying sketch map. Apparently most of this work was done during the early 1900's with very little development having been done since that time.

Butler and Mitchell (1916:99-100) reported on the property as follows:

"Lode 21. Bonanza King copper group. . . . Two tunnels, one 60 and the other 48 feet long, were driven on the property, which was also opened up by means of 8 open cuts and shafts. Although work was done as late as 1914, all of the openings have so badly caved as to make it impossible to secure accurate data concerning the deposits. From what observations it was possible to make, they appeared to be largely of the boulder type, although one or more mineralized shear-zones may also be present. In several cases a little moderately deep development has gone under the ore into seemingly barren serpentine, bearing out the conclusion that most of the deposits are of the boulder type. Hurt claims that it was ore on the various dumps of this group which was taken by Dr. T. R. Hines, heretofore mentioned.

The principal ore mineral is undoubtedly chalcocite or copper glance (sulphide of copper), although considerable cuprite (red oxide of copper) and native copper are also present. Magnetite (magnetic oxide of iron) seems to have been invariably associated with the copper ores, and it is claimed that this mineral itself carries copper in every case. This is borne out by the fact that a specimen of seemingly pure magnetite from the Copper King tunnel on the Collier creek group proved to contain 50.08 per cent iron, 2.43 per cent copper, and no sulphur, phosphorous, titanium, or arsenic.

Where the copper ores outcrop on the surface, they have
been oxidized to malachite (green carbonate of copper) and azurite (blue carbonate of copper). Occasionally a little erythrite (pink arsenate of cobalt) is also present. These substances are said to give place to chalcocite, cuprite, and native copper a few feet from the surface in every case. Some of the ore still on the dumps is apparently very rich, and a general sample of such material from a number of points on the Bonanza King group yielded 20.137 per cent copper, .96 oz. gold, and .12 oz. silver per ton."

The workings shown on the accompanying sketch map are grouped in three separate locations: The first group (points A-B-C-D-E-F-G on the map) is located about 700-800 feet southwest of the hurst cabin; the second group (points H and I) is located about 700 feet south of the cabin; and the third group (points J and K) is located about 700-800 feet southeast of the cabin.

The first group is said to be the source of the 45 tons of ore reported to have been shipped from the Bonanza King claims in 1908 (Butler and Mitchell 1916:53). Workings of this group shown on the sketch map are described below.

Point A, shaft in sheared serpentine, caved but reopened to 15 foot depth. Point B, adit reported to be 60 feet in length and to extend to about under the shaft at point A. There are a few tons of ore on the dump composed largely of magnetite with noticeable amounts of chalcocite, malachite, azurite and erythrite. Two assay samples (2A and 2B) were taken of this ore. Point C, open out 10 feet wide, 5 to 10 feet deep and 50 feet long in sheared serpentine. Point D, open out 30 feet long and a 15 foot adit entirely in sheared serpentine. The shear planes are nearly vertical and show a strike N. 35° E. In places there is considerable malachite present. Point E, caved shaft reported to be 20 feet deep. Dump shows considerable limonite with some magnetite and malachite. Northwest of the shaft about 15 feet, a serpentine outcrop shows a strike of N 10° W and a dip of 40° to the northeast. Point F, caved shaft reported to be about 40 feet deep extending to adit below, and an open out 15 feet long, 10 feet wide and 5 to 10 feet deep, exposing limonite gossan with some magnetite and malachite. The gossan body trends N. 25° E. Heavy gossan float continues north of the cut a few feet, then ends abruptly. One assay sample (No. 1) was taken of the gossan. Point G, adit reported to be 70 feet long, now caved at 40 feet back. The adit is entirely in serpentine, generally massive, but with some fractures which strike east. There is some malachite staining along the west wall at the portal.
Geology and Development (continued)

Workings of the second group are as follows. Point H, shallow open cut 10 feet long in serpentine showing malachite staining along fracture planes. Point I, two parallel open cuts which trend N. 55° W. West cut exposes sheared serpentine with a minor amount of malachite. East cut is 20 feet long, 5 feet wide and 30 feet deep at the face. A lens of magnetite 2 inches wide and 6 inches long is exposed along the northeast wall. It contains some chalococite, azurite and malachite. Ore on the dump is magnetite with chalococite, malachite and erythrite.

Workings of the third group are as follows. Point J, two parallel open cuts which trend north, each 6 feet wide, 16 feet long and 15 feet deep at the face. These cuts expose a zone of gossan 6-8 feet wide in serpentine. The zone strikes east and dips 70° N. Blocks of massive sulphides appear in the gossan. Disseminated light grey sulphides with erythrite appear in places in the gossan. Two assay samples (Nos. 3 and 4) were taken from the gossan zone in the west cut. Point K, open cut 30 feet long and 8 feet wide exposing sheared serpentine and a 3 foot zone of gossan. Ore on the dump contains magnetite, gossan, erythrite and malachite.

Description and assay results of samples taken at the Copper City Group. Location of samples is shown on the accompanying sketch map of the workings:

<table>
<thead>
<tr>
<th>Sample No.</th>
<th>Description</th>
<th>Au</th>
<th>Ag</th>
<th>Co</th>
<th>Ni</th>
<th>Cu</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) P-11962</td>
<td>10 foot chip sample across gossan body</td>
<td>Nil</td>
<td>oz./T</td>
<td>0.10%</td>
<td>0.10%</td>
<td>---</td>
</tr>
<tr>
<td>(2A) P-11960</td>
<td>general grab sample of dump</td>
<td>Nil</td>
<td>oz./T</td>
<td>0.50%</td>
<td>0.50%</td>
<td>5.10%</td>
</tr>
<tr>
<td>(2B) P-11961</td>
<td>picked sample from dump showing considerable erythrite</td>
<td>---</td>
<td>----</td>
<td>----</td>
<td>0.50%</td>
<td>----</td>
</tr>
<tr>
<td>(3) P-11963</td>
<td>grab sample of massive sulphides in gossan</td>
<td>oz./T</td>
<td>Nil</td>
<td>0.20%</td>
<td>----</td>
<td>4.20%</td>
</tr>
<tr>
<td>(4) P-11964</td>
<td>picked sample of gossan with disseminated light grey sulphides and erythrite</td>
<td>oz./T</td>
<td>Tr</td>
<td>0.10%</td>
<td>2.00%</td>
<td>Tr.</td>
</tr>
</tbody>
</table>
DESCRIPTION OF PROSPECTS

GRAY COPPER No. 8 (Cu,Co,Ni)

Owner: Leda Kent

Area: Lode claim

Location: The claim is located northeast of the Hurt cabin about 1½ miles on the trail extending to the North Fork of Collier Creek in sec. 1, T. 37 S., R. 12 W. The location out is about 500 feet due east of the trail and some 200 feet lower. Elevation at the out is 1530 feet by aneroid.

Geology and Development: Development work consists of one drift, trending N 10° E, now caved. The size of the dump indicates that the drift was possibly 50 feet or more in length. Rock in the vicinity of the drift is largely massive serpentine with some sheared serpentine.

The dump consists of gossan with magnetite and some malachite. A grab sample (P-11965) from the dump consisting of magnetite and malachite assayed as follows: Au-0.08 oz/T., Ag-trace; Cu-1.0%; Co-0.10% and Ni-0.50%.
DESCRIPTION OF PROSPECTS

ADAMS PROSPECT (Cu)

Owner: Phil Adams, Gold Beach, Oregon

Area: Lode claim

Location: The claim is located northeast of the Hurt cabin about 1½ miles on the trail extending to the North Fork of Collier Creek in sec. 1, T. 37 S., R. 12 W. The location cut is about 600 feet east of the trail along the crest of a small ridge which divides the North and Middle Forks of Collier Creek. Elevation at the cut is 1820 feet by aneroid, about 100 feet lower than the trail.

Geology and Development: Development work consists of a small cut 8 feet long, 4 feet wide and 6 feet deep at the face, now badly caved. The dump shows some gossan with some malachite, chalcosite and magnetite. The gossan appears to be brecciated. A grab sample (P-11966) of the gossan assayed as follows: Au-nil; Ag-trace; Cu-3.70%. The predominant rock in the vicinity of the cut is serpentine, usually sheared.
DESCRIPTION OF PROSPECTS

GRAY COPPER No. 10 (Cu, Co, Ni)

Owner: J. B. Myers, Gold Beach, Oregon

Area: 1 lode claim

Location: The claim is located on a series of benches a few hundred feet above the North Fork of Collier Creek in sec. 36, T. 36 S., R. 12 W. It is located just above the trail extending from the Hurt cabin to the North Fork of Collier Creek about 1½ miles from the Hurt cabin. Elevation of principal cut--1975 feet.

Geology and Development: Development work consists of two small cuts in serpentine. One cut which is located just above the trail shows no mineralization whatsoever. A second cut, about 60 feet elevation above the first is 15 feet long and 4 feet wide and exposes pieces of magnetite with minor malachite. Magnetite is reported to occur at several places on the hillside above this cut. A grab sample (P-11967) of the magnetite from the dump assayed as follows: Cu-3.90%; Co-0.10%; and Ni-0.20%.
REFERENCES: Butler, G. M., and Mitchell, G. J.
1916 Preliminary survey of the geology and mineral resources of Curry County, Oregon: Oregon Bureau of Mines and Geology, Mineral Resources of Oregon No. 2.

Inforant: J. B. Myers
Report by: H. D. Wolfe
Date of Report: April 25, 1952
Beach Placers North of Wedderburn

Curry County

The MacLeay Estate owns several miles along the beach North of Wedderburn which includes the Collins Mine and various other prospects that are reported from time to time. The latest is the one eight miles north of Wedderburn operated by E. G. Kingwell, 1405 N. Summer, Salem, Oregon. During the fall of 1938, he carried on experiment work on the sands with a 50 ton Kroll Amalgamator. At the time of my visit he had not progressed far enough with his work to determine any results. The local representative of the MacLeay Estate is S. O. Newhouse of Wedderburn, Oregon.

Confidential: Mr. Newhouse will not give any leases on the Beach sand until the concern has proved that they have a commercial proposition. Mr. Kingwell was operating without a lease.

The State Law governing free analysis of samples sent to State Assay Laboratories requires that certain information be furnished the Laboratory regarding samples sent for assay or identification. A copy of the law will be found on the back of this blank. Please fill in the information called for as completely as possible, and submit it along with your sample. Keep a copy of the information on each sample for your own reference.

Your name in full: H. D. Wolfe

Post office address: DOGAMI, Grants Pass, Oregon

Are you a citizen of Oregon: Yes

Date on which sample is sent: 9-15-51

Name (or names) of owners of the property: Joe Myers

Name of claim sample obtained from: Copper City #4

Location of property or source of sample (describe as accurately as possible below):
County: Curry
Mining district: Agness

Township: 37 S
Range: 12 W
Section: 2
Quarter section: NW of SW

How far from passable road and name of road: 10 miles to Snow Camp Road

Channel (length): Grab
Assay for: Description: magnetite, chalcocite, malachite, erythrite

Sample no. 1: Spec.Cu,Ni,Cu,Au,Ag, malachite, erythrite

Sample no. 2: Co

(Samples for assay should be at least 1 pound in weight; clay samples for ceramic testing, at least 5 pounds.)

IMPORTANT: A vein sample should be taken in an even channel across the vein from wall to wall. Location of sample in the workings, together with the width measured, should be recorded.

(Signed) H. D. Wolfe

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

Description: #1 general grab sample of dump - largely magnetite with chalcocite, malachite and erythrite. Field sample 2A #2 selected sample from dump showing considerable erythrite. Field sample 2B

<table>
<thead>
<tr>
<th>Sample number</th>
<th>GOLD</th>
<th>SILVER</th>
<th>COPPER</th>
<th>NICKEL</th>
<th>COBALT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>oz./T. Value</td>
<td>oz./T. Value</td>
<td>Cu</td>
<td>Ni</td>
<td>Co</td>
</tr>
<tr>
<td>P-11960</td>
<td>NIL</td>
<td>--</td>
<td>0.30</td>
<td>$0.27</td>
<td>5.10%</td>
</tr>
<tr>
<td>LG-551</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>P-11961</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>0.50%</td>
</tr>
<tr>
<td>LG-552</td>
<td>--</td>
<td>--</td>
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<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

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Your name in full: H. D. Wolfe

Post office address: Dogami, Grants Pass, Oregon

Are you a citizen of Oregon: Yes

Date on which sample is sent: 9-15-51

Name (or names) of owners of the property: Leda Kent

Name of claim sample obtained from: Grey Copper #8

Location of property or source of sample (describe as accurately as possible below):

(If legal description is not known, give location with reference to known geographical point)

County: Curry
Mining district: Agness

Township: 37 S
Range: 12 W
Section: 1
Quarter section: SE of NW

How far from passable road and name of road: 11 miles to Snow Camp Road

Channel (length): Grab Assay for Description

Sample no. 1: Cu, Ni, Co, Au, Ag magnetite with malachite

Sample no. 2: (Samples for assay should be at least 1 pound in weight; clay samples for ceramic testing, at least 5 pounds.)

IMPORTANT: A vein sample should be taken in an even channel across the vein from wall to wall. Location of sample in the workings, together with the width measured, should be recorded

(Signed) H. D. Wolfe

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Description field sample #5 - grab sample from dump - largely magnetite in serpentine with malachite.

<table>
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<tr>
<th>Sample number</th>
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<th>COPPER</th>
<th>COBALT</th>
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<tr>
<td></td>
<td>oz/T. Value</td>
<td>oz/T. Value</td>
<td>Cu</td>
<td>Co</td>
<td>Ni</td>
</tr>
<tr>
<td>P-11965</td>
<td>0.08</td>
<td>$2.80</td>
<td>Trace</td>
<td>-</td>
<td>1.0%</td>
</tr>
<tr>
<td>LG-55a</td>
<td></td>
<td></td>
<td></td>
<td>0.10%</td>
<td>0.50%</td>
</tr>
</tbody>
</table>

The State Law governing free analysis of samples sent to State Assay Laboratories requires that certain information be furnished the Laboratory regarding samples sent for assay or identification. A copy of the law will be found on the back of this blank. Please fill in the information called for as completely as possible, and submit it along with your sample. Keep a copy of the information on each sample for your own reference.

Your name in full: H. D. Wolfe

Post office address: DOGAMI, Grants Pass, Oregon

Are you a citizen of Oregon: Yes

Date on which sample is sent: 2-15-51

Name (or names) of owners of the property: Joe Myers

Name of claim sample obtained from: Copper City #4

Location of property or source of sample (describe as accurately as possible below):

County: Curry

Mining district: Agness

Township: 37 S

Range: 12 W

Section: 2

Quarter section: NW of SW

How far from passable road and name of road: 10 miles to Snow Camp Road

Channel (length): Grab Assay for Description: limonite gossan

Sample no. 1: 10' chip sample Au, Ag, Co, Ni gossan

Sample no. 2: (Samples for assay should be at least 1 pound in weight; clay samples for ceramic testing, at least 5 pounds.)

(Signed) H. D. Wolfe

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Description: limonite gossan Field Sample #1

<table>
<thead>
<tr>
<th>Sample number</th>
<th>GOLD</th>
<th>SILVER</th>
<th>COBALT</th>
<th>NICKEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>oz./T.</td>
<td>oz./T.</td>
<td>%</td>
<td>%</td>
</tr>
<tr>
<td>P-11962</td>
<td>Nil</td>
<td>0.70</td>
<td>0.10%</td>
<td>0.10%</td>
</tr>
<tr>
<td>LG-553</td>
<td></td>
<td>0.63</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Report issued: Card filed: Report mailed: 11-2-51 Call for
The State Law governing free analysis of samples sent to State Assay Laboratories requires that certain information be furnished the Laboratory regarding samples sent for assay or identification. A copy of the law will be found on the back of this blank. Please fill in the information called for as completely as possible, and submit it along with your sample. Keep a copy of the information on each sample for your own reference.

Your name in full: H. D. Wolfe

Post office address: DOGAMI, Grants Pass, Oregon

Are you a citizen of Oregon: Yes

Date on which sample is sent: 9-15-51

Name (or names) of owners of the property: Phil Adams

Location of property or source of sample (describe as accurately as possible below): County: Curry

Mining district: Agness

Township: 37 S

Range: 12 W

Section: 1

Quarter section: NE

How far from passable road and name of road: 1½ miles to Snow Camp Road

Channel (length): Grab

Assay for: Description

Sample no. 1: Spec. & Au, Ag, Cu

gossan

Sample no. 2: (Samples for assay should be at least 1 pound in weight; clay samples for ceramic testing, at least 5 pounds.)

IMPORTANT: A vein sample should be taken in an even channel across the vein from wall to wall. Location of sample in the workings, together with the width measured, should be recorded.

(Signed) H. D. Wolfe

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

Description: Field sample #6 - gossan- brecciated- magnetite with some chalcocite and malachite present

<table>
<thead>
<tr>
<th>Sample number</th>
<th>GOLD oz./T. Value</th>
<th>SILVER oz./T. Value</th>
<th>COPPER Cu</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-11966</td>
<td>Nil</td>
<td>Trace</td>
<td>3.70%</td>
</tr>
<tr>
<td>LG-557</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Report issued | Card filed | Report mailed 11-3-51 | Called for |
The State Law governing free analysis of samples sent to State Assay Laboratories requires that certain information be furnished the Laboratory regarding samples sent for assay or identification. A copy of the law will be found on the back of this blank. Please fill in the information called for as completely as possible, and submit it along with your sample. Keep a copy of the information on each sample for your own reference.

Your name in full: H. D. Wolfe

Post office address: DOGAMI Grants Pass, Oregon

Are you a citizen of Oregon: Yes

Date on which sample is sent: 9-15-51

Name (or names) of owners of the property: Joe Myers

Name of claim sample obtained from: Gray Copper #10

Location of property or source of sample (describe as accurately as possible below): (If legal description is not known, give location with reference to known geographical point)

County: Curry

Mining district: Agness

Township: 36 N

Range: 12 W

Section: 36

Quarter section: SW

How far from passable road and name of road: 12 miles to Snow Camp Road

Channel (length): Grab Assay for Description

Sample no. 1: Spec. & Cu, Co, Ni magnetite & malachite

Sample no. 2: (Samples for assay should be at least 1 pound in weight; clay samples for ceramic testing, at least 5 pounds.)

IMPORTANT: A vein sample should be taken in an even channel across the vein from wall to wall. Location of sample in the workings, together with the width measured, should be recorded.

(Signed) H. D. Wolfe

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

Description field sample #7 - picked sample from dump at small cut - largely magnetite with malachite staining.

<table>
<thead>
<tr>
<th>Sample number</th>
<th>GOLD</th>
<th>SILVER</th>
<th>COPPER</th>
<th>COBALT</th>
<th>NICKEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>oz./T. Value</td>
<td>oz./T. Value</td>
<td>Cu</td>
<td>Co</td>
<td>Ni</td>
</tr>
<tr>
<td>P-11967</td>
<td>- -</td>
<td>- -</td>
<td>3.90%</td>
<td>0.10%</td>
<td>0.20%</td>
</tr>
<tr>
<td>LG-558</td>
<td>- -</td>
<td>- -</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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Your name in full: H. D. Wolfe

Post office address: DOGAMI, Grants Pass, Oregon

Are you a citizen of Oregon Yes Date on which sample is sent: 9-15-51

Name (or names) of owners of the property: Phil Adams

Name of claim sample obtained from:

Location of property or source of sample (describe as accurately as possible below):

County: Curry Mining district: Agness

Township Range Section Quarter section

How far from passable road and name of road: 1/2 miles to Snow Camp Road

Channel (length): Grab Assay for Description

Sample no. 1 x Spec. & Au, Ag, Cu goossen

Sample no. 2

(Samples for assay should be at least 1 pound in weight; clay samples for ceramic testing, at least 5 pounds.)

IMPORTANT: A vein sample should be taken in an even channel across the vein from wall to wall. Location of sample in the workings, together with the width measured, should be recorded.

(Signed) H. D. Wolfe

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Description: Field sample #6—gossen-breciated magnetite with some chalcocite and malachite present

<table>
<thead>
<tr>
<th>Sample number</th>
<th>GOLD oz./T. Value</th>
<th>SILVER oz./T. Value</th>
<th>COPPER Cu</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-11908</td>
<td>Nil</td>
<td>Trace</td>
<td>3.70%</td>
</tr>
<tr>
<td>LG-557</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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Your name in full: H. D. Wolfe

Post office address: DOGANIE, Grants Pass, Oregon

Are you a citizen of Oregon: Yes Date on which sample is sent: 9-15-51

Name (or names) of owners of the property: Joe Myers

Name of claim sample obtained from: Copper City #3

Location of property or source of sample (describe as accurately as possible below):

County: Curry

Mining district: Agness

Township: 37 S Range: 12 W Section: 2 Quarter section: SW of SE

How far from passable road and name of road: 10 miles to Snow Camp Road

Channel (length): Grab Assay for Description

Sample no. 1: Au, Ag, Co, Cu massive sulphides

Sample no. 2: Spec. & Co, Cu, Au, Ag gossan with disseminated sulphide

(Samples for assay should be at least 1 pound in weight; clay samples for ceramic testing, at least 5 pounds.)

IMPORTANT: A vein sample should be taken in an even channel across the vein from wall to wall. Location of sample in the workings, together with the width measured, should be recorded.

(Signed) H. D. Wolfe

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

Description:

#1 field sample #3 - picked sample of massive sulphide zones in gossan

#2 field sample #4 - picked sample gossan with disseminated white sulphide and erythrite.

<table>
<thead>
<tr>
<th>Sample number</th>
<th>GOLD oz./T. Value</th>
<th>SILVER oz./T. Value</th>
<th>COPPER Cu 4.20%</th>
<th>COBALT Co 0.20%</th>
<th>NICKEL Ni 2.00%</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-11962</td>
<td>0.20</td>
<td>$7.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LG-554</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P-11964</td>
<td>0.25</td>
<td>$9.80</td>
<td>Trace</td>
<td>0.10%</td>
<td>2.00%</td>
</tr>
<tr>
<td>LG-555</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Report issued: Card filed: Report mailed 11-2-51 Called for:

SIR-5
REQUEST FOR SAMPLE INFORMATION

The State Law governing free analysis of samples sent to State Assay Laboratories requires that certain information be furnished the Laboratory regarding samples sent for assay or identification. A copy of the law will be found on the back of this blank. Please fill in the information called for as completely as possible, and submit it along with your sample. Keep a copy of the information on each sample for your own reference.

Your name in full: H. D. Wolfe

Post office address: DOGAMI Grants Pass, Oregon

Are you a citizen of Oregon: Yes Date on which sample is sent: 9-18-51

Name (or names) of owners of the property: Copper City #4

Location of property or source of sample (describe as accurately as possible below):
(If legal description is not known, give location with reference to known geographical point)

County: Curry Mining district: Agness

Township 37 S Range 12 W Section 2 Quarter section NW of SW

How far from passable road and name of road: 10 miles to Snow Camp Road

Channel (length) Grab Assay for Description
Sample no. 1 Spec. Cu, Ni, Co, Ag, magnetite, chalcocite, malachite, erythrite

Sample no. 2 Spec. Co

(Signed) H. D. Wolfe

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

Description: General grab sample of dump—largely magnetite with chalcocite, malachite and erythrite. Field sample 2A #2 selected sample from dump showing considerable erythrite.

Field sample 2B

<table>
<thead>
<tr>
<th>Sample number</th>
<th>Gold oz. T. Value</th>
<th>Silver oz. T. Value</th>
<th>Copper Cu</th>
<th>Nickel Ni</th>
<th>Cobalt Co</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-11960</td>
<td>0.11</td>
<td>0.30</td>
<td>$0.27</td>
<td>5.10%</td>
<td>0.50%</td>
</tr>
<tr>
<td>LG-551</td>
<td>0.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P-11961</td>
<td>0.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LG-552</td>
<td>0.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Report issued Card filed Report mailed 11-2-51 Called for

SIR-5
STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
ASSAY LABORATORY

REQUEST FOR SAMPLE INFORMATION

The State Law governing free analysis of samples sent to State Assay Laboratories requires that certain information be furnished the Laboratory regarding samples sent for assay or identification. A copy of the law will be found on the back of this blank. Please fill in the information called for as completely as possible, and submit it along with your sample. Keep a copy of the information on each sample for your own reference.

Your name in full: H. D. Wolfe

Post office address: DOGAMI, Grants Pass, Oregon

Are you a citizen of Oregon: Yes

Date on which sample is sent: 9-15-51

Name (or names) of owners of the property: Joe Myers

Name of claim sample obtained from: Copper City #3

Location of property or source of sample (describe as accurately as possible below):

County: Curry

Mining district: Agness

Township: 37 S

Range: 12 W

Section: 2

Quarter section: NE 1/4 SW 1/4 SE

How far from passable road and name of road: 10 miles to Snow Camp Road

Channel (length): Sample no. 1

Grab Assay for Description: x Au, Ag, Co, Cu massive sulphides

Sample no. 2

(Samples for assay should be at least 5 pounds.)

IMPORTANT: A vein sample should be taken in an even channel across the vein from wall to wall. Location of sample in the workings, together with the width measured, should be recorded.

(Signed) H. D. Wolfe

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

Description

#1 field sample #3 - picked sample of massive sulphide zones in

goissen #2 field sample #4 - Picked sample goisson with disseminated white sulphide

and erythrite.

<table>
<thead>
<tr>
<th>Sample number</th>
<th>GOLD</th>
<th>SILVER</th>
<th>COPPER</th>
<th>COBALT</th>
<th>NICKEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>oz./T.</td>
<td>Value</td>
<td>oz./T.</td>
<td>Value</td>
<td>Cu</td>
</tr>
<tr>
<td>P-11963</td>
<td>0.20</td>
<td>$7.00</td>
<td>N11</td>
<td>--</td>
<td>4.20%</td>
</tr>
<tr>
<td>Le-554</td>
<td>0.28</td>
<td>$9.80</td>
<td>Trace</td>
<td>--</td>
<td>Trace</td>
</tr>
<tr>
<td>P-11964</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Le-555</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Report issued: Card filed: Report mailed: 11-2-51 Called for:

SR-5
The State Law governing free analysis of samples sent to State Assay Laboratories requires that certain information be furnished the Laboratory regarding samples sent for assay or identification. A copy of the law will be found on the back of this blank. Please fill in the information called for as completely as possible, and submit it along with your sample. Keep a copy of the information on each sample for your own reference.

Your name in full: H. D. Wolfe
Post office address: RC 4, Grants Pass, Oregon

Are you a citizen of Oregon? Yes
Date on which sample is sent: 9-15-51

Name (or names) of owners of the property: Leda Kent

Name of claim sample obtained from: Gray Copper #8

Location of property or source of sample (describe as accurately as possible below):
(If legal description is not known, give location with reference to known geographical point.)
County: Curry
Mining district: Agness
Township: 37 S
Range: 12 W
Section: 1
Quarter section: SE of NW

How far from passable road and name of road: 11 miles to Snow Camp Road

Channel (length): Grab
Assay for: Description

Sample no. 1: Cu, Ni, Co, Au, Ag magnetite with malechite

Sample no. 2: (Samples for assay should be at least 1 pound in weight; clay samples for ceramic testing, at least 5 pounds.)

IMPORTANT: A vein sample should be taken in an even channel across the vein from wall to wall. Location of sample in the workings, together with the width measured, should be recorded.

(Signed) H. D. Wolfe

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

Description field sample #5 - grab sample from dump - largely magnetite in serpentine with malechite.

<table>
<thead>
<tr>
<th>Sample number</th>
<th>GOLD</th>
<th>SILVER</th>
<th>COPPER</th>
<th>COBALT</th>
<th>NICKEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-11965</td>
<td>oz./T.</td>
<td>$2.80</td>
<td>Trace</td>
<td>1.0%</td>
<td>0.10%</td>
</tr>
<tr>
<td>LG-556</td>
<td>0.08</td>
<td>Trace</td>
<td>1.0%</td>
<td>0.10%</td>
<td>0.50%</td>
</tr>
</tbody>
</table>

Report issued: 11-2-51
Card filed: Report mailed: 11-2-51
Called for: SIR-5
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Your name in full: H. D. Wolfe

Post office address: DUGAMI Grants Pass, Oregon

Are you a citizen of Oregon: Yes Date on which sample is sent: 9-15-51

Name (or names) of owners of the property: Joe Myers

Name of claim sample obtained from: Copper City #4

Location of property or source of sample (describe as accurately as possible below):
(If legal description is not known, give location with reference to known geographical point)

County: Curry

Mining district: Agness

Township: 37 S

Range: 12 W

Section: 2

Quarter section: NW of SW

How far from passable road and name of road: 10 miles to Snow Camp Road

Channel (length): Chip sample

Sample no. 1: Au, Ag, Co, Ni gossan

Sample no. 2: Limonite gossan

(Signed) H. D. Wolfe

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

Description: limonite gossan Field Sample #1

<table>
<thead>
<tr>
<th>Sample number</th>
<th>GOLD</th>
<th>SILVER</th>
<th>COBALT</th>
<th>NICKEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-11962</td>
<td>Nil</td>
<td>0.70</td>
<td>0.10%</td>
<td>0.10%</td>
</tr>
<tr>
<td>LG-553</td>
<td>Nil</td>
<td>0.65</td>
<td>0.10%</td>
<td>-</td>
</tr>
</tbody>
</table>

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Your name in full: H. D. Wolfe

Post office address: DOGAMI Grants Pass, Oregon

Are you a citizen of Oregon: Yes

Date on which sample is sent: 9-15-51

Name (or names) of owners of the property: Phil Adams

Name of claim sample obtained from:

Location of property or source of sample (describe as accurately as possible below):
(If legal description is not known, give location with reference to known geographical point)

County: Curry

Mining district: Agness

Township: 37 S

Range: 12 W

Section: 1

Quarter section: NE

How far from passable road and name of road: 1½ miles to Snow Camp Road

Channel (length): Grab

Assay for: Description

Sample no. 1

x Spec.&Au,Ag,Cu gossan

description

Sample no. 2

(Samples for assay should be at least 1 pound in weight; clay samples for ceramic testing, at least 5 pounds.)

IMPORTANT: A vein sample should be taken in an even channel across the vein from wall to wall. Location of sample in the workings, together with the width measured, should be recorded.

(Signed) H. D. Wolfe

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Description: Field sample #6 - gossan- brecciated- magnetite with some chalcocite and malachite present

<table>
<thead>
<tr>
<th>Sample number</th>
<th>GOLD</th>
<th>SILVER</th>
<th>COPPER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>oz./T.</td>
<td>Value</td>
<td>oz./T.</td>
</tr>
<tr>
<td>P-11966</td>
<td></td>
<td>Nil</td>
<td></td>
</tr>
<tr>
<td>LG-557</td>
<td></td>
<td>Trace</td>
<td></td>
</tr>
</tbody>
</table>

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Your name in full: H. D. Wolfe

Post office address: DOGAMI Grants Pass, Oregon

Are you a citizen of Oregon: Yes Date on which sample is sent: 9-15-51

Name (or names) of owners of the property: Joe Myers

Name of claim sample obtained from: Gray Copper #10

Location of property or source of sample (describe as accurately as possible below):

County: Curry

Mineral district: Agness

Township: 36 S

Range: 12 W

Section: 36

Quarter section: SW

How far from passable road and name of road: 12 miles to Snow Camp Road

Channel (length): Grab

Assay for Description: Spec. & Cu, Co, Ni magnetite & malachite

Sample no. 1 x Spec. & Cu, Co, Ni magnetite & malachite

Sample no. 2

(Samples for assay should be at least 1 pound in weight; clay samples for ceramic testing, at least 5 pounds.)

IMPORTANT: A vein sample should be taken in an even channel across the vein from wall to wall. Location of sample in the workings, together with the width measured, should be recorded.

(Signed) H. D. Wolfe

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

Description field sample #7 - picked sample from dump at small cut - largely magnetite with malachite staining.

<table>
<thead>
<tr>
<th>Sample number</th>
<th>GOLD</th>
<th>SILVER</th>
<th>COPPER</th>
<th>COBALT</th>
<th>NICKEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>oz./T. Value</td>
<td>oz./T. Value</td>
<td>Cu</td>
<td>Co</td>
<td>Ni</td>
</tr>
<tr>
<td>P-11997</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>3.90%</td>
<td>0.10%</td>
</tr>
<tr>
<td>LG-558</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

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Your name in full ____________________________

Post office address DOGAMI, Grants Pass, Oregon

Are you a citizen of Oregon Yes Date on which sample is sent 9-15-51

Name (or names) of owners of the property Joe Myers

Name of claim sample obtained from Copper City #3

Location of property or source of sample (describe as accurately as possible below): (If legal description is not known, give location with reference to known geographical point.)

County __________________ Mining district ________________

Township 37 S Range 12 W Section 2 Quarter section SW of SE

How far from passable road and name of road 10 miles to Snow Camp Road

Channel (length) Grab Assay for Description

Sample no. 1 ___________ x Au, Ag, Co, Cu massive sulphides

Sample no. 2 ___________ x Spec. & Co, Cu, Au, Ag gossan with disseminated sulphide

(Samples for assay should be at least 1 pound in weight; clay samples for ceramic testing, at least 5 pounds.)

IMPORTANT: A vein sample should be taken in an even channel across the vein from wall to wall. Location of sample in the workings, together with the width measured, should be recorded.

(Signed) H. D. Wolfe

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Description #1 field sample #3 - picked sample of massive sulphide zones in gossan #2 field sample #4 - picked sample gossan with disseminated white sulphide and erythrite.

<table>
<thead>
<tr>
<th>Sample</th>
<th>Gold</th>
<th>Silver</th>
<th>Copper</th>
<th>Cobalt</th>
<th>Nickel</th>
</tr>
</thead>
<tbody>
<tr>
<td>number</td>
<td>oz./T. Value</td>
<td>oz./T. Value</td>
<td>Cu</td>
<td>Co</td>
<td>Ni</td>
</tr>
<tr>
<td>P-11933</td>
<td>0.20</td>
<td>$7.00</td>
<td>Nil</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>LG-554</td>
<td>Trace</td>
<td>Trace</td>
<td>4.20%</td>
<td>0.20%</td>
<td>-</td>
</tr>
<tr>
<td>P-11984</td>
<td>0.28</td>
<td>$9.80</td>
<td>Trace</td>
<td>0.10%</td>
<td>2.00%</td>
</tr>
<tr>
<td>LG-555</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Report issued Card filed Report mailed 11-2-51 Called for
REQUEST FOR SAMPLE INFORMATION

The State Law governing free analysis of samples sent to State Assay Laboratories requires that certain information be furnished the Laboratory regarding samples sent for assay or identification. A copy of the law will be found on the back of this blank. Please fill in the information called for as completely as possible, and submit it along with your sample. Keep a copy of the information on each sample for your own reference.

Your name in full: H. D. Wolfe

Post office address: DOGAMI, Grants Pass, Oregon

Are you a citizen of Oregon: yes

Date on which sample is sent: 9-15-51

Name (or names) of owners of the property: Leda Kent

Name of claim sample obtained from: Gray Copper #8

Location of property or source of sample (describe as accurately as possible below): (If legal description is not known, give location with reference to known geographical point)

County: Curry
Mining district: Agness

Township: 37 S
Range: 12 W
Section: 1
Quarter section: SE of NW

How far from passable road and name of road: 11 miles to Snow Camp Road

Channel (length): Grab Assay for Description
Sample no. 1: x Cu, Ni, Co, Au, Ag magnetite with malachite

Sample no. 2

(Samples for assay should be at least 1 pound in weight; clay samples for ceramic testing, at least 5 pounds.)

IMPORTANT: A vein sample should be taken in an even channel across the vein from wall to wall. Location of sample in the workings, together with the width measured, should be recorded.

(Signed) H. D. Wolfe

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

Description field sample #5 - grab sample from dump - largely magnetite in serpentine with malachite

<table>
<thead>
<tr>
<th>Sample number</th>
<th>GOLD</th>
<th>SILVER</th>
<th>COPPER</th>
<th>COBALT</th>
<th>NICKEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-11965 LG-556</td>
<td>0.08</td>
<td>$2.80</td>
<td>Trace</td>
<td>1.0%</td>
<td>0.10%</td>
</tr>
</tbody>
</table>

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Your name in full: H. D. Wolfe

Post office address: DOGAMI Grants Pass, Oregon

Are you a citizen of Oregon: Yes

Date on which sample is sent: 9-15-51

Name (or names) of owners of the property: Joe Myers

Name of claim sample obtained from: Copper City, #4

Location of property or source of sample (describe as accurately as possible below):

County: Curry

Mining district: Agness

Township: 37 S

Range: 12 W

Section: 2

Quarter section: NW of SW

How far from passable road and name of road: 10 miles to Snow Camp Road

Sample no. 1

Channel (length): 10' chip sample

Grab Assay for: Au, Ag, Co, Ni

Description: gossan

Sample no. 2

(Samples for assay should be at least 1 pound in weight; clay samples for ceramic testing, at least 5 pounds.)

IMPORTANT: A vein sample should be taken in an even channel across the vein from wall to wall. Location of sample in the workings, together with the width measured, should be recorded.

(Signed) H. D. Wolfe

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Description: limonite gossan

Field Sample #1

<table>
<thead>
<tr>
<th>Sample number</th>
<th>GOLD</th>
<th>SILVER</th>
<th>COBALT</th>
<th>NICKEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>oz./T.</td>
<td>Value</td>
<td>oz./T.</td>
<td>Value</td>
</tr>
<tr>
<td>P-11962</td>
<td></td>
<td></td>
<td>0.70</td>
<td>$0.63</td>
</tr>
<tr>
<td>LG-553</td>
<td>M1</td>
<td>-</td>
<td>0.10%</td>
<td>0.10%</td>
</tr>
</tbody>
</table>

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Your name in full: H. D. Wolfe

Post office address: DOGAMI, Grants Pass, Oregon

Are you a citizen of Oregon: Yes

Date on which sample is sent: 9-15-51

Name (or names) of owners of the property: Joe Myers

Name of claim sample obtained from: Copper City #4

Location of property or source of sample (describe as accurately as possible below):

County: Curry
Mineral district: Agness
Township: 37 S
Range: 12 W
Section: 2
Quarter section: NW of SW

How far from passable road and name of road: 10 miles to Snow Camp Road

Channel (length): Grab
Assay for:
Description: magnetite, chalcocite, malachite, erythrite

Sample no. 1:
Spec. & Cu, Ni, Co, Au, Ag, malachite, erythrite

Sample no. 2:
Co

(Samples for assay should be at least 1 pound in weight; clay samples for ceramic testing, at least 5 pounds.)

IMPORTANT: A vein sample should be taken in an even channel across the vein from wall to wall. Location of sample in the workings, together with the width measured, should be recorded.

(Signed) H. D. Wolfe

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Description:
Sample 1: general grab sample of dump - largely magnetite with chalcocite, malachite and erythrite. Field sample 2A
Sample 2: selected sample from dump showing considerable erythrite. Field sample 2B

<table>
<thead>
<tr>
<th>Sample number</th>
<th>GOLD oz./T. Value</th>
<th>SILVER oz./T. Value</th>
<th>COPPER Cu</th>
<th>NICKEL Ni</th>
<th>COBALT Co</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-11960</td>
<td>Nil</td>
<td>0.30</td>
<td>5.10%</td>
<td>0.50%</td>
<td>0.50%</td>
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<tr>
<td>LG-551</td>
<td>-</td>
<td>$0.27</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P-11961</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0.50%</td>
<td>-</td>
</tr>
<tr>
<td>LG-552</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>


Called for: SIR-5
REQUEST FOR SAMPLE INFORMATION

The State Law governing free analysis of samples sent to State Assay Laboratories requires that certain information be furnished the Laboratory regarding samples sent for assay or identification. A copy of the law will be found on the back of this blank. Please fill in the information called for as completely as possible, and submit it along with your sample. Keep a copy of the information on each sample for your own reference.

Your name in full: H. D. Wolfe

Post office address: DOGAMI Grants Pass, Oregon

Are you a citizen of Oregon: Yes

Date on which sample is sent: 9-15-51

Name (or names) of owners of the property: Joe Myers

Name of claim sample obtained from: Gray Copper #10

Location of property or source of sample (describe as accurately as possible below):

- County: Curry
- Mining district: Agness
- Township: 36 S
- Range: 12 W
- Section: 36
- Quarter section: SW
- Miles to passable road: 12 miles to Snow Camp Road

Channel (length): Grab Assay for Description

Sample no. 1: Spec.&Cu, Co, Ni magnetite & malachite

Sample no. 2: (Samples for assay should be at least 1 pound in weight; clay samples for ceramic testing, at least 5 pounds.)

Important: A vein sample should be taken in an even channel across the vein from wall to wall. Location of sample in the workings, together with the width measured, should be recorded.

(Signed) H. D. Wolfe

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Description field sample #7 - Picked sample from dump at small cut - largely magnetite with malachite staining.

<table>
<thead>
<tr>
<th>Sample number</th>
<th>GOLD</th>
<th>SILVER</th>
<th>COPPER</th>
<th>COBALT</th>
<th>NICKEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>oz./T.</td>
<td>Value</td>
<td>oz./T.</td>
<td>Value</td>
<td>Cu:</td>
</tr>
<tr>
<td>P-11967</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>3.90%</td>
</tr>
<tr>
<td>LG-558</td>
<td>-</td>
<td>-</td>
<td></td>
<td></td>
<td>-</td>
</tr>
</tbody>
</table>

Report issued Card filed Report mailed 11-3-51 Called for
**Record Identification**

<table>
<thead>
<tr>
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<tr>
<td>Record Type</td>
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<tr>
<td>Country/Organization</td>
<td>USGS</td>
</tr>
<tr>
<td>Map Code No. of Rec.</td>
<td></td>
</tr>
</tbody>
</table>

**Reporter**

Updated: 81 02
By: BRADLEY, R.; WALKER, G. W.
FERNS, MARK L. (BROOKS, HOWARD C.)
FERNS, MARK L. (BROOKS, HOWARD C.)

**Name and Location**

- **Deposit Name**: COLLIER CREEK COPPER NO. 13
- **Mining District/Area/Subdist.**: AGNESS
- **Country Code**: US
- **Country Name**: UNITED STATES
- **State Code**: OR
- **State Name**: OREGON
- **County**: CURRY
- **Drainage Area**: 17100311 PACIFIC NORTHWEST
- **Physiographic Prov.**: 13 KLAMATH MOUNTAINS
- **Land Classification**: 41

**Quad Scale**

- **Quad No or Name**: COLLIER BUTTE
- **UTM Zone NO**: +10

**Latitude**

- **UTM Northing**: 4693200.
- **UTM Easting**: 412600.

**Longitude**

- **UTM Northing**: 4693200.
- **UTM Easting**: 412600.

**Commodity Information**

**Commodities Present**: CR
ORE MATERIALS (MINERALS, ROCKS, ETC.):
CHROMITE

MAIN ORE MINERALS:
CHROMITE

ANALYTICAL DATA (GENERAL)
ASSAY ONLY: 50.04% CR2O3, 13.54% Fe

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV.: 1
PRESENT/LAST OWNER: C. M. TAYLOR

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:
MASSIVE CHROMITE

FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA
SIZE OF DEPOSIT: SMALL

PRODUCTION
NO PRODUCTION

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

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS: JUR
HOST ROCK TYPES: SERPENTINE

GENERAL COMMENTS
CONSV. RECORD (4013603) MERGED WITH THIS RECORD AND DELETED FROM OREGON FILE.

GENERAL REFERENCES
1) RAMPS, LEN., 1961, CHROMITE IN SOUTHWESTERN OREGON: OREGON DEPT. GEOLOGY AND MINERAL IND. BULL. 52, 169 P., P 117
CRIB MINERAL RESOURCES FILE 12

RECORD IDENTIFICATION
RECORD NO. .................. H015895
RECORD TYPE. ................. XM
COUNTRY/ORGANIZATION. ........ USGS
MAP CODE NO. OF REC. .........

REPORTER
NAME................................ BRADLEY, ROBIN; WALKER, GEORGE W.
DATE................................ 79 03

NAME AND LOCATION
DEPOSIT NAME..................... COLLIERS CREEK
COUNTRY CODE..................... US
COUNTRY NAME: UNITED STATES
STATE CODE......................... OR
STATE NAME: OREGON
COUNTY.............................. CURRY
LAND CLASSIFICATION............. 41

QUAD SCALE QUAD NO OR NAME
1: 62500 COLLIERS BUTTE (1954 )

LATITUDE LONGTITUDE
42-23-29N 124-02-57W

UTM NORTING UTM EASTING UTM ZONE NO
4693550. 413650. +10

TWP........ 037S 036S
RANGE..... 012W 011W
SECTION... 01 12 20 29 30
MERIDIAN: WILLAMETTE

POSITION FROM NEAREST PROMINENT LOCALITY: AREA N. OF HURT CABIN SITE

LOCATION COMMENTS: AREA EXTENDS INTO 4 TOWNSHIPS; SEC 20 , 29 , 30 , 31 ; T 36 S, R 11 W; SOUTH EDGE OF SEC 36 T 36 S, R 12 W; SEC 1 , 2 , T 37 S, R 12 W; AND MINOR PATCHES IN SEC. 6 , T 37 S, R 11 W.

COMMODITY INFORMATION
COMMODITIES PRESENT.............. NI CR CO FE

ANALYTICAL DATA(GENERAL)
ASSAYS IN REFERENCE
DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:
LATERITES

FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA
SIZE OF DEPOSIT ....... SMALL
MAX THICKNESS ......... 35 FT

COMMENTS (DESCRIPTION OF DEPOSIT):
ROCK CONTENT VARIES FROM ABOUT 30 TO 80 %

PRODUCTION
UNDETERMINED

GEOLOGY AND MINERALOGY
HOST ROCK TYPES ............. LATERITES

IGNEOUS ROCK TYPES ............. DIKES AND STOCKS WHICH VARY IN COMPOSITION AND TEXTURE TO INCLUDE DIABASE, GABBRO, DACITE, DIORITE

LOCAL GEOLOGY

SIGNIFICANT LOCAL STRUCTURES:
THRUST FAULT

SIGNIFICANT ALTERATION:
SERPENTINIZATION

COMMENTS (GEOLOGY AND MINERALOGY):
LATERITES DEVELOPED ON PARTLY SERPENTINIZED HARZBURGITE. ULTRAMAFICS ARE THRUST OVER LATE JURASSIC MARINE SEDIMENTS.

GENERAL COMMENTS
THERE HAS BEEN VERY LITTLE EXPLORATION OF THE AREA FOR NICKEL. PROSPECTING HAS BEEN MAINLY FOR COPPER AND CHROM

GENERAL REFERENCES
1) RAMP, LEN, 1978, INVESTIGATIONS OF NICKEL IN OREGON: ODGMI MISC. PAPER NO. 20, P. 45 - 46
CHARCOALITE, COPRITHE, NATIVE COPPER, MALACHITE, AZURITE, ERYTHRITE

COMMODITY SUBTYPES OR USE CATEGORIES:
0.502 Au:Ag

ANALYTICAL DATA (GENERAL)
GENERAL SAMPLE FROM A NUMBER OF POINTS ASSAYED 20.137% Cu, .060z Au, .120z Ag

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 6

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:
"BOULDER"

FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA
SIZE OF DEPOSIT...... SMALL

COMMENTS (DESCRIPTION OF DEPOSIT):
COPPER SHOWINGS ARE SCATTERED OVER AN AREA 1.5 MILE LONG AND 0.75 MILE WIDE

PRODUCTION

YES
SMALL PRODUCTION

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

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

ITEM ACC AMOUNT THOUS. UNITS YEAR GRADE REMARKS
15 ORE EST 0000.045 TON 1908

PRODUCTION YEARS....... 1898 -1914

GEOLGOY AND MINERALOGY

AGE OF HOST ROCKS ............... JUR
HOST ROCK TYPES ................. SERPENTINE
PERTINENT MINERALOGY .......... MAGNETITE

LOCAL GEOLOGY

COMMENTS (GEOLGOY AND MINERALOGY):
MINERALIZATION OCCURS AS PODS AND LENSES OF MAGNETITE, PYRITE, CHALCOPYRITE, AND COPPER OXIDES IN SERPENTINITE.
Magnetite, malachite, bornite also.
Sheep null filled was 20' deep.
Trend of NW low? = 000.
From Nort, Cabin.

#7
1640 A = 15' wide Magnetite +
Magnetite in serp. Trend = N 55 E.
loc = 30' 70 E of #1 to 6.

Magnetite, bornite, dolomite.

#1

(100 yds)
Books = N 19 E.
L = 16 40 A.

#3

std = + 130
N ON E - BS, 17 35 A.

(Trend = N 10 W + 80').

Caved out. 30' trend of tunnel.
Walls = black serp, caliche.
Dump = shows Magnetite, strained.
Serp =

Took 5 #1 = chip sample.
Tunnel exposed above tunnel.
loc = 01 = 16I N W/S W 500 T. 375.

#2

A = Grab from sorted ore, on
dump. B = Untouched selected
16 40 A = same loc as staff.

#1

S#1 A & B = en claim #1

S#2 A & B = en claim #1

16 50 A = same loc as staff.

N 35 E = BS.
16 50 A = same loc as staff.
On Ridge 1820 A = Ps 8 P. No. 4
Breciated Gossan in Step seen
Malachite, chalcopyrite Took Small
5 # 6 for Spec (complete)

Next Warden No. 5
1820 A Drift = 560 W into hill
15' of Lode saw small (very) slight
Malachite 5' in Oop and some
Chrome but found none

Grey Copper # 10 Joe Myers
small cut with malachite
Magnetite 1920 A
5 # P of picked high grade from dump 100 = SWH 320 361 575 Raw

Arrived in Q P Night
of 26th
27-28 in Q P.