

Golden Economy Mine

Mule Creek District

Curry County

Copper, lead, and manganese values are stated to have been opened in the Golden Economy mine at the head of Tiny H Creek in Curry County. The property has been acquired by W.F. Cromwell from Charles M. Lewis, and a shaft-sinking contract given to Willis Ireland. Gold and silver values are also present.

Mining World, June, 1946, p. 63

# State Department of Geology and Mineral Industries

702 Woodlark Building  
Portland, Oregon

Report by H. M. Dole  
July 17, 1946

Golden Economy, (Au, Ag, Pb, Zn.)

Mule Creek Mining District  
Curry County

**Owners:**

W. F. Crowell

256 Beatty Street  
Medford, Oregon

Willis Ireland

Marial, Oregon

**Area:**

1 claim (20 acres) held by location.

**Location:**

On the West Fork of Tina H Creek, a tributary of the West Fork of Mule Creek.  
In Sec. 29, T. 32 S, R. 10 W.

4 miles NW of Marial Postoffice by trail and approximately 2 1/2 miles  
south of Eden Valley road.

Closest shipping point is Glendale, approximately 40 miles by Forest  
Service road from the mouth of Mule Creek. Grants Pass is 65 miles from  
Mule Creek.

**History:**

The claim was located November 3, 1930 by M. S. Doerstler. C. M. Lewis  
acquired it from Mr. Doerstler and in 1942 W. F. Crowell purchased it from  
Mr. Lewis. Mr. Ireland was given a half interest in 1946 for doing  
development work.

There has been no production.

**Topography and Climate:**

Rough mountainous topography. Elevation 1510 aneroid.

Climate mild, with but few inches of snowfall in winter.

**Development work:**

See attached map.

Twenty feet of drift work plus seven feet of shaft.

Present work consists of sinking the shaft along the dip of the vein.  
When a depth of 20'-30' is reached the plan is to drift along the strike.

**Geology:**

The adit is in metavolcanics. In the creek below the opening are many  
large boulders of conglomerate and a few of sandstone evidently from the  
Myrtle formation. It is presumed the contact with the Myrtle (?) is  
near the summit of the ridge from which the stream heads. This is 1/2

# U. S. Department of Geology and Mineral Industries

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## Geology (cont.)

mile to 1 mile to the northwest.

The original prospect was along a small (1" to 3") shear which panned free gold. The lead-zinc values were not picked up until the present face was reached 40'.

The mineralized zone which carries the heavy sulphides occurs along a fracture which has a strike of N55° W and a dip of 45° N.

Against the wall is a 2" to 3" gouge zone followed by a zone 4" to 12" wide containing pyrite, galena, argentite (?), sphalerite, quartz, and a little copper oxide. This is followed by a zone from 8" to 18" wide of broken up metavolcanics showing some mineralization of the above minerals. This gives way to somewhat fractured metavolcanics which carry little to no mineralization. In all there is a band up to 3' showing good mineralization.

The ore where heavy is fairly well banded.

The galena is crushed; good cubes being difficult to find. The argentite (?) is dull and earthy and occurs in streaks up to 1" wide and 6" long. The sphalerite is difficult to see even with the hand lens although an analysis on the ore by the Colorado Assaying Co. gives 1.95% zinc. There is a little malachite showing as scattered stains.

The following is an analysis run by the Colorado Assaying Co. from a 4' channel sample cut at an angle of 45° to the hanging wall and represents about 50 lbs. of ore.

Combined H <sub>2</sub> O and CO <sub>2</sub> . . . . .	1.66
Silica . . . . .	38.70
Iron oxide . . . . .	12.22
Iron . . . . .	3.25
Sulphur . . . . .	6.21
Copper . . . . .	.18
Lead . . . . .	15.60
Zinc . . . . .	1.95
Aluminum Oxide . . . . .	10.42
Calcium oxide . . . . .	5.60
Mangesium oxide . . . . .	2.84
Sodium and Pottasium oxides . . . . .	1.10
Phosphorous, Titanium and Manganese. . . . .	Tr.
Platinum and platinum group. . . . .	Nil.

99.73%

Au. . . . .	.0.74 oz/ton
Ag. . . . .	.3.30 oz/ton

The small amount of copper and zinc present, and the earthy appearance of

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## Geology (cont.)

argenite (?) suggest that this vein is a supergene deposit.

The size and shape of the deposit is unknown and cannot be ascertained without further development. No outcrops or other occurrence of ore of this type is known in this locality.

## Mining and Metallurgy:

At the present time mining consists of sinking a shaft down the dip. The ore taken out will be stock piled.

Equipment consists of hand prospecting tools only.

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## Mining and Metallurgy:

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The ore taken out will be stock piled.

Equipment consists of hand prospecting tools only.

3540 ONE FILE

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## Golden Economy

### Assays:

August 25, 1945 - Assayer, Abbot Hanks

1. Sample of country rock

Au. - .01 oz/ton

Ag. - Trace

2. Handpicked "high-grade" (Note: Mr. Crowell said this was taken from the black, sooty spots-argentite?)

Au. - 1.05 oz/ton

Ag. - 10.15 oz/ton

Remarks - large amount of Pb in this sample.

November 7, 1945 - Assayer, Abbot Hanks

1. 26" channel sample

Au. - .67 oz/ton

Ag. - 4.73 oz/ton

May 1, 1946 - Assayer, Colorado Assaying Co.

1. Grab sample

Au. - .38 oz/ton

Ag. - 2.90 oz/ton

Pb. - 7.3 %

July 11, 1946 - Assayer, Colorado Assaying Co.

1. 4' channel sample

See analysis in text.

July 17, 1946 - Assayer, Oregon State Department of Geology  
(See map for location of sample)

	<u>1. G. G 108</u>	<u>2. G G 109</u>	<u>3. G &amp; 110</u>	<u>4. G G 111</u>
Au.	.02 oz/ton	0.40 oz/ton	0.10 oz/ton	0.03 oz/ton
Ag.	Trace	2.03 oz/ton	0.50 oz/ton	0.40 oz/ton
Pb.	0.2 %	3.70 %	0.50 %	0.60 %
Zn.	0.68 %	1.32 %	0.58 %	1.20 %
Cu.	Trace	0.50 %	Trace	0.70 %

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GOLDEN ECONOMY

MULE CREEK

CURRY COUNTY

## Economies:

There has been no tonnage developed to date; further mining is pointed towards this end.

Inasmuch as this is the first property in this area having this type of ore, and inasmuch as the strike of the vein is almost at right angles to the normal gold-silver veins which characterize Mule Creek the size and continuity of this prospect is problematical. Surface outcrops are relative few, being masked by large quantities of rubble. Consequently very little areal geology was attempted, and therefore the ore horizon and structure are still unknown. However, the assays which have been made justify more prospecting and if any ore can be developed this might possibly become a mine.

There is sufficient timber and water for any type operation.

The big drawback to this whole area is its inaccessability. To build roads or good sled trails for moving heavy equipment in would be a hard and expensive job. And if ore or concentrates are to be shipped transportation cost will present a serious obstacle. Nevertheless the gold content at present is sufficient reason for continued exploration.

## Assays:

August 25, 1945- Assayer, Abbot Hanks

1. Sample of country rock  
Au.-.01 oz/ton  
Ag.- Trace

2. Handpicked "high-grade" (note; Mr. Crowell said this was taken from the black, sooty spots-argentite?)

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Ag.-10.15 oz/ton

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Au.- .67 oz/ton  
Ag.-4.73 oz/ton

May 1, 1946- Assayer- Colorado Assaying Co.

1. Grab sample  
Au.- .38 oz/ton  
Ag.-2.90 oz/ton  
Pb.-7.3 oz/ton

July 11, 1946- Assayer- Colorado Assaying Co.

1. 4' channel sample  
see analysis in text.

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## Assays (con't)

July 17, 1946- Assayer- Oregon State Department of Geology  
(see map for location of sample)

	<u>1. G G 108</u>	<u>2. G G 109</u>	<u>3. G G 110</u>	<u>4. G G 111</u>
Au.	.02 oz/ton	0.40 oz/ton	0.10 oz/ton	0.03 oz/ton
Ag.	Trace	2.03 oz/ton	0.50 oz/ton	0.40 oz/ton
Pb.	0.2 %	3.70 %	0.50 %	0.60 %
Zn.	0.68 %	1.32 %	0.58 %	1.20 %
Cu.	Trace	0.50 %	Trace	0.70 %

## Informants:

F. W. Crowell  
Willis Ireland  
Willard Corwin

CONFIDENTIAL



Mule Creek District  
Curry County

Name: Golden Economy Group. (Gold Quartz)

Owner: C. M. Lewis, Marial, Oregon.

Location: On the west fork of the West Fork of Mule Creek. 4 miles from Marial Post Office by trail.

Area: 4 unpatented quartz lode claims. 80 aces.

Development: Consists of 4 tunnels with total length of 105 feet on the Lucky Strike Claim. One 25 foot tunnel on the Golden Economy, and a 10 foot tunnel on open-cuts on the Golden Cabin.

Geology: The country rock is an altered porphyry probably andesite cut by a number of gold bearing stringers.

General  
Information: Elevation 1100 feet aneroid. Mountainous topography. Plenty of timber and water with the possibility of developing water power for mining purposes. Equipment consists of cabin, 12 ft. water wheel and a 6 ft. arrastre and prospecting tools.

Informant: J. E. Morrison. 7/20/39.

Golden Economy.

C. M. Lewis & Marial  
Luck Strike.

Golden cabin

Sec 32 T 520. R 10 W.

3 miles thicker flat.

4 tunnel <sup>total of 105</sup> on Lucky strike

1 " 25' on Golden Economy.

1-10 tunnel of cut.

several cuts.

porphyry. 5 ledges on  
on Lucky strike.

plenty water & lumber  
Elev. 1100 ft

1 1/2' water wheel & arrastra  
which not save his values  
W of the W of mules or  
located claims in 1932 & 33  
cabin.

STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES  
1069 State Office Building - Portland, Oregon 97201

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 requested completely, and submit it along with your sample. Keep a copy of the information on each sample for your own reference.

**M. J. McShane**  
**590 E. Park St.**  
**Grants Pass, Ore.**

Please print your name and address in space above

Date sample is sent:

10/27/61

Name of claim sampled:

Open ground (Old Red Mine)

Name of property owners U.S.

Are you hiring labor? No

Are you milling or shipping ore? No

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

County Curry

Mining district Mule Creek

Township T. 32 S.

Range 10 W

Section 29

Quarter section S $\frac{1}{2}$

How far from passable road and name of road

Channel (length)

Grab

Assay for

Description

Sample No. 1

Au, Ag, Pb

Sample No. 2

(Samples for assay should be at least 1 lb. in weight; clay samples for ceramic testing at least 5 lbs.) 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) /s/ M. J. McShane

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

Description Rusty, altered clayed metavolcanic rock mineralized with pyrite, galena, chalcopryite, quattz and minor secondary carbonates (calcite, malachite).

Sample Number	GOLD		SILVER		LEAD Pb	COPPER Cu
	oz./T.	Value	oz./T.	Value		
P-27068 VG-274	0.08	<del>1.08</del>	1.20	<del>1.08</del>	1.20%	0.20%

Report mailed 11/10/61

STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES  
1069 State Office Building - Portland, Oregon 97201

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County Curry Mining district Mule Creek

Township T. 32 S. Range 10 W Section 29 Quarter section S<sup>1</sup>/<sub>2</sub>

How far from passable road and name of road \_\_\_\_\_

Channel (length) Grab Assay for Description

Sample No. 1 Au, Ag, Pb

Sample No. 2 \_\_\_\_\_

(Samples for assay should be at least 1 lb. in weight; clay samples for ceramic testing at least 5 lbs.) 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.

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Description Rusty, altered clayed metavolcanic rock mineralized with pyrite, galena, chalcopyrite, quartz and minor secondary carbonates (calcite, malachite).

Sample Number	GOLD		SILVER		LEAD	COPPER		
	oz./T.	Value	oz./T.	Value	Pb	Cu		
P-27068 VG-274	0.08	<del>\$2.80</del>	1.20	<del>\$1.08</del>	1.20%	0.20%		

Report mailed 11/10/61

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Reuben J. Humbert  
 Box 563  
 Coos Bay, Oregon

Please print your name and address in space above

Date sample is sent: November 29, 1957

Name of claim sampled: Old Red Mine

*Golden  
 Bullet  
 + Golden  
 Economy*

Name of property owners \_\_\_\_\_

Are you hiring labor? No Are you milling or shipping ore? No

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

County Curry Mining district Mule Creek

Township 32 S. Range 10 W. Section 29 Quarter section \_\_\_\_\_

How far from passable road and name of road \_\_\_\_\_

Channel (length) Grab Assay for Description

Sample No. 1 X Au, Pb, Ag. Three lumps - 1 pound

Sample No. 2 \_\_\_\_\_

(Samples for assay should be at least 1 lb. in weight; clay samples for ceramic testing at least 5 lbs.) 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) /s/ Reuben J. Humbert

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

Description Mixed sulphides in quartz, some goossan.

Sample Number	GOLD		SILVER		Lead Pb		
	oz./T.	Value	oz./T.	Value			
P-22318	0.42	<del>\$14.70</del>	5.00	<del>\$4.52</del>	0.10%	-----+-----	

Report mailed 12-10-57

REQUEST FOR SAMPLE INFORMATION

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Reuben J. Humbert  
Box 563  
Coos Bay, Oregon

Please print your name and address in space above

Date sample is sent:

November 29, 1957

Name of claim sampled:

Old Red Mine

*Golden  
Bullet*

Name of property owners \_\_\_\_\_

Are you hiring labor? No

Are you milling or shipping ore? No

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

County Curry

Mining district Mule Creek

Township 32 S.

Range 10 W.

Section 29

Quarter section \_\_\_\_\_

How far from passable road and name of road end

Channel (length)

Grab

Assay for

Description

Sample No. 1 X Au, Pb, Ag.

Three lumps - 1 pound

Sample No. 2 \_\_\_\_\_

(Samples for assay should be at least 1 lb. in weight; clay samples for ceramic testing at least 5 lbs.) 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.

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Report mailed 12-10-57

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Estella Crowell  
 256 Beatty Street  
 Medford, Ore.

Date sample is sent:

Oct. 1946

Name of claim sampled:

Golden Economy, 1930

Please print your name and address in space above

Name of property owners Crowell & Ireland

Are you hiring labor? \_\_\_\_\_ Are you milling or shipping ore? \_\_\_\_\_

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

County Curry Mining district Mule Creek

Township T. 32 S Range 10 W Section 29 Quarter section \_\_\_\_\_

How far from passable road and name of road 3 1/2 miles

Channel (length) Grab Assay for Description

Sample No. 1 X Au, Ag, Pb, Zn, Cu.

Sample No. 2 \_\_\_\_\_

(Samples for assay should be at least 1 lb. in weight; clay samples for ceramic testing at least 5 lbs.) 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) /s/ Estella Crowell

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Description \_\_\_\_\_

Sample Number	GOLD		SILVER		Mercury lbs./T	Copper Percent	Lead Pb	Zinc Zn
	oz./T.	Value	oz./T.	Value				
P-5298 GG-188	0.17		1.52		---	0.40%	2.76%	2.73%
P-5299 GG-189	0.59		4.40		---	0.90%	11.67%	13.68%

Report mailed 10-28-46

STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES  
1069 State Office Building - Portland, Oregon 97201

Au, Ag, Cu, Pb, Zn.

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Estella Crowell  
256 Beatty Street  
Medford, Ore.

Date sample is sent:

Oct. 1946

Name of claim sampled:

Golden Economy, 1930

Please print your name and address in space above

Name of property owners Crowell & Ireland

Are you hiring labor? \_\_\_\_\_ Are you milling or shipping ore? \_\_\_\_\_

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

County Curry Mining district Mule Creek

Township T. 32 S Range 10 W Section 29 Quarter section \_\_\_\_\_

How far from passable road and name of road 3 1/2 miles

Channel (length) Grab Assay for Description

Sample No. 1 X Au, Ag, Pb, Zn, Cu.

Sample No. 2 \_\_\_\_\_

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Report mailed 10-28-46



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Au, Ag, Cu, Pb, Zn

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W.F. Crowell  
256 Beatty Street,  
Medford, Oregon

Date sample is sent:

10/3/46

Name of claim sampled:

Golden Economy, 1930

Colden  
Bullet  
1974

Please print your name and address in space above

Name of property owners Crowell & Ireland

Are you hiring labor? \_\_\_\_\_ Are you milling or shipping ore? \_\_\_\_\_

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

County Curry Mining district Mule Cr.

Township 32S Range 10W Section 29 Quarter section \_\_\_\_\_

How far from passable road and name of road 3 1/2 miles

Channel (length) Grab Assay for \_\_\_\_\_ Description \_\_\_\_\_

Sample No. 1 GG 186  Au, Ag, Pb, Zn, Cu.

Sample No. 2 GG 187  \_\_\_\_\_

(Samples for assay should be at least 1 lb. in weight; clay samples for ceramic testing at least 5 lbs.) 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) /s/ W. F. Crowell

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Description \_\_\_\_\_

Sample Number	GOLD		SILVER		Mercury lbs./T	Copper percent	Lead Pb	Zinc Zn
	oz./T.	Value	oz./T.	Value				
P-5296								
GG-186	Trace	---	Nil	---	-----	Trace	Nil	Trace
P-5297								
GG-187	Nil	----	Nil	---	-----	Trace	Nil	Trace

Report mailed 10-17-46

STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES  
1069 State Office Building - Portland, Oregon 97201

Au, Ag, Cu, Pb, Zn

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W.F. Crowell  
256 Beatty Street,  
Medford, Oregon

Date sample is sent:

10/3/46

Name of claim sampled:  
Golden Economy, 1930

*Golden  
Bellet  
1974*

Please print your name and address in space above

Name of property owners Crowell & Ireland

Are you hiring labor? \_\_\_\_\_ Are you milling or shipping ore? \_\_\_\_\_

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

County Curry Mining district Mule Cr.

Township 32S Range 10 W Section 29 Quarter section \_\_\_\_\_

How far from passable road and name of road 3 1/2 miles

	Channel (length)	Grab	Assay for	Description
Sample No. 1	GG 186	X	Au, Ag, Pb, Zn, Cu.	
Sample No. 2	GG 187	X	*****	

(Samples for assay should be at least 1 lb. in weight; clay samples for ceramic testing at least 5 lbs.) 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) /s/ W. F. Crowell

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Description \_\_\_\_\_

Sample Number	GOLD		SILVER		Mercury lbs./T	Copper percent	Lead Pb	Zinc Zn
	oz./T.	Value	oz./T.	Value				
P-5296								
GG-186	Trace	---	Nil	---	-----	Trace	Nil	Trace
P-5297								
GG-187	Nil	----	Nil	---	-----	Trace	Nil	Trace

Report mailed 10-17-46

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES  
PROJECT SAMPLE RECORD

GG-108-111 Au, Ag, Cu, Pb, Zn

SAMPLES SUBMITTED BY: H.M. Dole ADDRESS: P.O. Box 417 Grants Pass, Ore DATE: July 30, 1946

<u>Sample No.</u>	<u>Mine or Prospect</u>	<u>Type</u>	<u>District</u>	<u>S.</u>	<u>T.</u>	<u>R.</u>	<u>Assay For</u>
P-4992	GG-108 Golden Economy	Au	Mule Creek	29	T. 32 S	10 W	S Au, Ag, Cu, Pb, Zn
P-4992-A	109 " "	"	" "	"	"	"	.....
P-4993	110 " "	"	" "	"	"	"	.....
P-4994	111 " "	"	" "	"	"	"	.....

Descriptions:

COPY MADE 12-11-74

<u>Results:</u>	<u>GOLD</u>	<u>SILVER</u>	<u>LEAD</u>	<u>ZINC</u>	<u>COPPER</u>
P-4992 GG-108	<del>0.02 oz.</del>	<del>Trace</del>	0.2%	0.68%	Trace
P-4992-A GG-109	0.40 oz.	2.03 oz	3.70%	1.32%	0.50%
P-4993 GG-110	0.10 oz.	0.50 oz.	0.50%	0.58%	Trace
P-4994 GG-111	0.03 oz.	0.40 oz.	0.60%	1.20%	0.70%

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES  
PROJECT SAMPLE RECORD

GG-108-111 Au, Ag, Cu, Pb, Zn

SAMPLES SUBMITTED BY: H.M. Dole ADDRESS: P.O. Box 417 Grants Pass, Ore DATE: July 30, 1946

<u>Sample No.</u>	<u>Mine or Prospect</u>	<u>Type</u>	<u>District</u>	<u>S.</u>	<u>T.</u>	<u>R.</u>	<u>Assay For</u>	
P-4992	GG-108	Golden Economy	Au	Mule Creek	29	T. 32 S	10 W	S Au, Ag, Cu, Pb, Zn
P-4992-A	109	" "	"	" "	"	"	"	.....
P-4993	110	" "	"	" "	"	"	"	.....
P-4994	111	" "	"	" "	"	"	"	.....

Descriptions:

COPY MADE 12-11-74

<u>Results:</u>	<u>GOLD</u>	<u>SILVER</u>	<u>LEAD</u>	<u>ZINC</u>	<u>COPPER</u>
P-4992 GG-108	0.02 oz.	Trace	0.2%	0.68%	Trace
P-4992-A GG-109	0.40 oz.	2.03 oz	3.70%	1.32%	0.50%
P-4993 GG-110	0.10 oz.	0.50 oz.	0.50%	0.58%	Trace
P-4994 GG-111	0.03 oz.	0.40 oz.	0.60%	1.20%	0.70%

# State Department of Geology and Mineral Industries

702 Woodlark Building  
Portland, Oregon

SEE GOLDEN BULLET

GOLDEN ECONOMY (Au, Ag, Pb, Zn.)

*also was known as old Red mine*

Mule Creek Mining District  
Curry County

Refer Report by: H. M. Dole  
July 17, 1946

OWNER:

W. F. Crowell

*R. J. Humbert (1974)  
COOS BAY*

LOCATION:

On the West Fork of Tina H Creek, a tributary of the West Fork of  
Mule Creek. In Sec. 29, T. 32 S, R. 10 W.

CONFIDENTIAL

## RECORD IDENTIFICATION

RECORD NO..... M062010  
 RECORD TYPE..... X1M  
 COUNTRY/ORGANIZATION.. USGS  
 DEPOSIT NO..... DDGMI 93-140  
 MAP CODE NO. OF REC..

## REPORTER

NAME..... SMITH, ROSCOE N.  
 DATE..... 78 08  
 UPDATED..... 81 02  
 BY..... FERNS, MARK L. (BROOKS, HOWARD C.)

## NAME AND LOCATION

DEPOSIT NAME..... GOLDEN ECONOMY  
 SYNONYM NAME..... LUCKY STRIKE

MINING DISTRICT/AREA/SUBDIST. MULE CREEK

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

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

COUNTY..... CURRY  
 DRAINAGE AREA..... 17100310 PACIFIC NORTHWEST  
 PHYSIOGRAPHIC PRDV..... 13 KLAMATH MOUNTAINS  
 LAND CLASSIFICATION..... 41

QUAD SCALE QUAD NO OR NAME  
 1: 62500 MARIAL

LATITUDE LONGITUDE  
 42-44-28N 123-54-19W

UTM NORTHING UTM EASTING UTM ZONE NO  
 4732250.0 425900.0 +10

TWP..... 032S  
 RANGE..... 10W  
 SECTION.. 31  
 SECTION FRACTIONS: SW OF SW  
 MERIDIAN. NB & M

*Golden  
Bullet*

## COMMODITY INFORMATION

COMMODITIES PRESENT..... AU

EXPLORATION AND DEVELOPMENT  
STATUS OF EXPLOR. OR DEV. 2

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

SHEAR ZONE

FORM/SHAPE OF DEPOSIT: STRINGERS

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL

MAX WIDTH..... 2 FT

STRIKE OF OREBODY.... N

DIP OF OREBODY..... 50E

DESCRIPTION OF WORKINGS  
UNDERGROUND

COMMENTS(DESCRIP. OF WORKINGS):

SIX TUNNELS WITH A TOTAL OF 140 FEET

PRODUCTION

NO PRODUCTION

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... JUR

HOST ROCK TYPES..... META-ANDESITE PORPHYRY

LOCAL GEOLOGY

NAMES/AGE OF FORMATIONS, UNITS, OR ROCK TYPES

1) NAME: ROGUE VOLCANICS

AGE: JUR

GENERAL REFERENCES

- 1) RAMP, L. AND OTHERS, 1977, GEOLOGY, MINERAL RESOURCES AND ROCK MATERIAL OF CURRY COUNTY, OREGON; ODGMI BULL. 93 P.39
- 2) OREGON METAL MINES HANDBOOK, 1940, ODGMI BULL. 14-C, VOL. 1, P.73

## RECORD IDENTIFICATION

RECORD NO..... M061813  
 RECORD TYPE..... X1M  
 COUNTRY/ORGANIZATION. USGS  
 DEPOSIT NO..... DDGM1 93-150  
 MAP CODE NO. OF REC..

## REPORTER

NAME..... SMITH, ROSCOE M.  
 DATE..... 78 08  
 UPDATED..... 81 03  
 BY..... FERNS, MARK L. (BROOKS, HOWARD C.)

## NAME AND LOCATION

DEPOSIT NAME..... OLD RED MINE, GOLDEN ECONOMY, GOLDEN ECONOMY  
 SYNONYM NAME..... GOLDEN BULLET

MINING DISTRICT/AREA/SUBDIST. MULE CREEK

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

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

COUNTY..... CURRY  
 DRAINAGE AREA..... 17100310 PACIFIC NORTHWEST  
 PHYSIOGRAPHIC PROV..... 13 KLAMATH MOUNTAINS  
 LAND CLASSIFICATION..... 41

QUAD SCALE            QUAD NO OR NAME  
 1: 62500            BDNE MOUNTAIN

LATITUDE            LONGITUDE  
 42-45-17N            123-53-53W

UTM NORTHING        UTM EASTING        UTM ZONE NO  
 4733750.            426500.            +10

TWP..... 32S  
 RANGE..... 10W  
 SECTION.. 29  
 MERIDIAN. WB & M

ALTITUDE.. 1510

LOCATION COMMENTS: S 1/2



COMMODITY SUBTYPES OR USE CATEGORIES:

0.23 AU:AG

ANALYTICAL DATA(GENERAL)

ODGMI SAMPLE ASSAYED 0.74 OZ/TON AU; 3.3 OZ/TON AG; 15.6 % PB; 1.95 % ZN; 0.18 % CU.

EXPLORATION AND DEVELOPMENT

STATUS OF EXPLOR. OR DEV. 2

PRESENT/LAST OWNER..... R.J. HUMBERT (1974)

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

SHEAR ZONE

FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL  
MAX WIDTH..... 3 FT  
STRIKE OF OREBODY.... N55W  
DIP OF OREBODY..... 45N

DESCRIPTION OF WORKINGS

COMMENTS(DESCRIP. OF WORKINGS):

ADITS 20, 25, SHAFT 7, CUT 20

PRODUCTION

UNDETERMINED

23 SAMPLE - 1946 0.7 AU, 3 AG, 16 PB, 2 ZN, 0.2 CU

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... JUR  
HOST ROCK TYPES..... METAVOLCANIC

PERTINENT MINERALOGY..... QUARTZ

LOCAL GEOLOGY

NAMES/AGE OF FORMATIONS, UNITS, OR ROCK TYPES

- 1) NAME: ROGUE VOLCANICS  
AGE: JUR

GENERAL REFERENCES

1) RAMP, L. AND OTHERS, 1977, GEOLOGY, MINERAL RESOURCES AND ROCK MATERIAL OF CURRY COUNTY, OREGON; ODGMI BULL. 9 P.38

GOLDEN ECONOMY (Au, Ag, Pb, Zn)  
(also known as Old Red Mine)  
(GOLDEN BULLET as of 1974)

Report by H. M. Dole  
July 17, 1946

Mule Creek Mining Dist.  
Curry County

Owners:

W. F. Crowell (R. J. Humbert of Coos Bay,  
Willis Ireland Oregon as of Dec. 1974)

256 Beatty Street  
Medford, Oregon  
& Route 1 Box 183  
Rogue River, Oregon

Area:

1 claim (20 acres) held by location

Location:

On the West Fork of Tina H Creek, a tributary of the West Fork of Mule Creek.  
In Sec. 29, T. 32 S., R. 10 W.

4 miles NW of Marial Post Office by trail and approximately  $2\frac{1}{2}$  miles south of  
Eden Valley road.

Closest shipping point is Glendale, approximately 40 miles by Forest Service  
road from the mouth of Mule Creek. Grants Pass is 65 miles from Mule Creek.

History:

The claim was located November 3, 1930 by M. S. Doerstler. C. M. Lewis  
acquired it from Mr. Doerstler and in 1942 W. F. Crowell purchased it from  
Mr. Lewis. Mr. Ireland was given a half interest in 1946 for doing development work.

There has been no production.

Topography and Climate:

Rough mountainous topography. Elevation 1,510 aneroid.

Climate mild, with but few inches of snowfall in winter.

Development work:

See attached map.

Twenty feet of open cut, and twenty feet of drift work plus seven feet of shaft.

Present work consists of sinking the shaft along the dip of the vein.  
When a depth of 20' - 30' is reached the plan is to drift along the strike.

Geology:

The adit is in metavolcanics. In the creek below the opening are many large  
boulders of conglomerate and a few of sandstone evidently from the Myrtle Formation.  
It is presumed the contact with the Myrtle (?) is near the summit of the ridge from which  
the stream heads. This is  $\frac{1}{2}$  to 1 mile to the northwest.

The original prospect was along a small (1" to 3") shear which panned free gold. The lead-zinc values were not picked up until the present face was reached 40' in.

The mineralized zone which carries the heavy sulphides occurs along a fracture which has a strike of N55°W and a dip of 45°N.

Against the wall is a 2" to 3" gouge zone followed by a zone 4" to 12" wide containing pyrite, galena, argentite (?), sphalerite, quartz and a little copper oxide. This is followed by a zone from 8" to 18" wide of broken up metavolcanics showing some mineralization of the above minerals. This gives way to somewhat fractured metavolcanics which carry little to no mineralization. In all there is a band up to 3' showing good mineralization.

The ore where heavy is fairly well banded.

The galena is crushed; good cubes being difficult to find. The argentite (?) is dull and earthy and occurs in streaks up to 1" wide and 6" long. The sphalerite is difficult to see even with the hand lens although an analyses on the ore by the Colorado Assaying Co. gives 1.95% zinc. There is a little malachite showing as scattered stains.

The following is an analyses run by the Colorado Assaying Co. from a 4' channel sample cut by Mr. Ireland at an angle of 45° to the hanging wall and represents about 50 lbs of ore.

Combined H <sub>2</sub> O and CO <sub>2</sub> . . . . .	1.66
Silica . . . . .	38.70
Iron Oxide . . . . .	12.22
Iron . . . . .	3.25
Sulphur . . . . .	6.21
Copper . . . . .	.18
Lead . . . . .	15.60
Zinc . . . . .	1.95
Aluminum oxide . . . . .	10.42
Calcium oxide . . . . .	5.60
Magnesium oxide . . . . .	2.84
Sodium and Pottasium oxides . . . . .	1.10
Phosphorous, Titanium and Manganese . . . . .	Tr.
Platinum and platinum group . . . . .	Nil
	<u>99.73%</u>
Au. . . . .	0.74 oz/ton
Ag. . . . .	3.30 oz/ton

The small amount of copper and zinc present, and the earthy appearance of argentite(?) suggest that this vein is a supergene deposit.

The size and shape of the deposit is unknown and cannot be ascertained without further development. No outcrops or other occurrence of ore of this type is known in this locality.

Note:

See report of September 29 for further information.

Mining and Metallurgy:

At the present time mining consists of sinking a shaft down the dip. The ore taken out will be stock piled.

Equipment consists of hand prospecting tools only.

Economics:

There has been no tonnage developed to date; further mining is pointed towards this end.

Inasmuch as this is the first property in this area having this type of ore, and inasmuch as the strike of the vein is almost at right angles to the normal gold-silver veins which characterize Mule Creek the size and continuity of this prospect is problematical. Surface outcrops are relative few, being masked by large quantities of rubble. Consequently very little areal geology was attempted, and therefore the ore horizon and structure are still unknown. However, the assays which have been made justify more prospecting and if any ore can be developed this might possibly become a mine.

\*\*

There is sufficient timber and water for any type operation.

Assays:

August 25, 1945--Assayer, Abbot Hanks

1. Sample of country rock

Au---.01 oz/ton

Ag---Trace

2. Handpicked high-grade "(note Mr. Crowell said this was taken from the black, sooty spots-argentite?)

Au---1.05 oz/ton

Ag---10.15 oz/ton

Remarks - large amount of Pb in this sample..

November 7, 1945-- Assayer--Abbot Hanks

1. 26" channel sample

Au---.67 oz/ton

Ag---4.73 oz/ton

May 1, 1946 Assayer - Colorado Assaying Co.

1. Grab sample

Au---.38 oz/ton

Ag---2.90 oz/ton

Pb---7.3%

July 11, 1946 - Assayer Colorado Assaying Co.

1. 4' channel samples

See analysis in text.

July 17, 1946 -- Assayer Oregon State Department of Geology (see map for location of sample)

	1. GG108	2. GG109	3. GG110	4. GG111
Au	.02 oz/ton	0.40 oz/ton	0.10 oz/ton	0.03 oz/ton
Ag	Trace	2.03 oz/ton	0.50 oz/ton	0.40 oz/ton
Pb	0.2%	3.70%	0.50%	0.60%
Zn	0.68%	1.32%	0.58%	1.20%
Cu	Trace	0.50%	Trace	0.70%

Informants:

F. W. Crowell, Willis Ireland, Willard Corwin.

End of Report by H.M. Dole of July 17, 1946.

\*\*

The big drawback to this whole area is its inaccessability. To build roads or good sled trails for moving heavy equipment in would be a hard and expensive job. And, if ore or concentrates are to be shipped, transportation cost will present a serious obstacle. Never-the-less, the gold content at present is sufficient reason for continued exploration.

(Renamed: GOLDEN BULLET  
Owner: R.J. Humbert 1974)  
GOLDEN ECONOMY (Au,Ag,Pb,Zn)

Report by H. M. Dole  
September 29, 1946

Owners:  
W.F. Crowell (New owner R.J. Humbert  
Willis Ireland of Coos Bay, Ore 1974)

Mule Creek Mining District  
Curry County

256 Beatty Street  
Medford, Oregon &  
Route 1 Box 183  
Rogue River, Oregon

Note:

This report is to supplement my report of July 17, 1946

Since the last report was made another outcrop has been found 450' NW and 41' lower than the original prospect. Also, the shaft has been extended a few feet. Together they give a little better picture of the ore occurrence and deposition than was had previously.

Geology:

The new tunnel is in metavolcanics (the same as the original prospect hole) and has been driven southeast for 25'. The outcrop and first 5' of the drift is considerably leached-pyrite, in a porous or relic limonite matrix, being about the only mineral left. The remainder of the tunnel although it shows leaching, has had the open spaces recemented with silica-making it a much harder rock to work.

The ore minerals (Au,Ag,Cu,Pb,Zn.) present in this original tunnel are neither as rich in the new tunnel nor are they all present. An assay (GG180) on the mineralized rock gave: Au, Trace; Ag, Nil; Cu, Trace; Pb, nil; and Zn, trace. Abbot Hanks gives for the same sample: Au, 0.005 oz/ton; and Ag 0.40 oz/ton. (See previous report for comparison). The only mineral more abundant is pyrite. This is found in good cubes of small size.

The outcrop at the portal is approximately 2' wide. The mineralized zone goes from the south side of the back to the north side at the face. The tunnel gives the appearance of cutting thru a small lense whose long axis is nearly E-W and which has a slight dip to the NE. The lense shape is derived from the joint pattern which is in the general form of a drawn out rhombohedron that has a very short "C" axis. Solutions following the jointing have altered and replaced the rock and deposited the minerals. Some "rhomb" are more replaced than others--probably due to a greater number of fractures within its boundaries and therefore giving it greater porosity. The "rhomb" or lense of ore found in the original opening represent a high degree of alteration and replacement and the lense in the new tunnel a much lesser degree. Material that does not afford ready passage for the solutions will probably show mineralization only along the joint planes--an amount which would be uneconomical to mine.

Deposition in general has followed a sheared zone. The two prospect holes mark outcrops along this zone; the width and length of which is unknown. If the two outcrops occupy similar positions within the zone (which is very unlikely) its strike will be around N30°W. But due to insufficient evidence it would only be safe to say the general strike is NW-SE. The dip of the zone is unknown.

GOLDEN ECONOMY

Mule Creek mining district  
Curry County

The amount of replacement and of mineral desposition you would expect to find within the zone cannot be determined at the present. The original opening showed rock that would probably be economical to mine. The second opening showed nothing that would offer encouragement. The only way to definitely find out is by continued prospecting--which in this case is a very risky venture.