FOSTER CREEK GOLD PROSPECT
DOUGLAS COUNTY, OREGON

This prospect is an epithermal gold-silver occurrence in the Western Cascade volcanic province. Free gold is present as very finely disseminated grains in altered zones in tuffaceous and andesitic rocks. The main mineralized zone, although not continuous, is at least 7,000 feet long and 100-300 feet wide. Individual gold-bearing areas range from about 20 to 200 feet wide and are up to several hundred feet long.

Assay values are commonly below $5/ton in gold and silver, but range up to $20.70/ton.

Several minor occurrences of cinnabar (see regional sketch map) were found along the margins of the gold-bearing portion of the main zone. In addition, a stream silt survey of the general area suggested a possible association between gold and arsenic (figure 2).

This gold occurrence is apparently related regionally to sulphide zones located along a northwest trend which are more typical of "barren" Tertiary volcanic mineralization.

Because there are many other somewhat similar mineralized zones in Oregon's Tertiary volcanic rocks, it is suggested that a better understanding of the metal distribution in this deposit could materially aid in the evaluation of many other sulphide zones of this type.

Report by R. C. Bartley 8-24-71

visited 8-17-71
### Project Sample Record

**STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES**

**Project Sample Record**

**LEN RAMP**

**P.O. BOX 417 GRANTS PASS, ORE 97526**

**August 19, 1971**

**SAMPLES SUBMITTED BY:**

<table>
<thead>
<tr>
<th>Sample No.</th>
<th>Mine or Prospect</th>
<th>Type</th>
<th>District</th>
<th>S.</th>
<th>T.</th>
<th>R.</th>
<th>Assay For</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFG-77</td>
<td>No</td>
<td>30&quot; chip</td>
<td>Riddle</td>
<td>32</td>
<td>3</td>
<td>W</td>
<td>Au</td>
</tr>
<tr>
<td>AFG-78</td>
<td>Foster Creek</td>
<td>3 ft. chip</td>
<td>NE 1/4 NE 1/4</td>
<td>25</td>
<td>29</td>
<td>E</td>
<td>Au,Ag</td>
</tr>
</tbody>
</table>

**Descriptions:**

- **AFG - 77** Gouge zone between ultramafic and quartz diorite composed largely of clay, weathered rock and talc.
- **AFG - 78** Bleached and altered iron-stained clayey tuff.

**Results:**

<table>
<thead>
<tr>
<th>Sample No.</th>
<th>Gold oz/ton</th>
<th>Silver oz/ton</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-36770 - AFG-77</td>
<td>nil</td>
<td>---</td>
</tr>
<tr>
<td>P-36771 - AFG-78</td>
<td>0.23</td>
<td>0.80</td>
</tr>
</tbody>
</table>
### REQUEST FOR SAMPLE INFORMATION

Date: 10-1-71  
Sec. 10  
Twp. 29S  
R. 3E  
County: Douglas

#### For your records

Please print name and address in space below:

LEN RAMP
P.O. Box 417
GRANTS PASS, OREGON

---

A copy of the law governing this service is printed on the back of this sheet. Please fill out this form in triplicate and submit with your sample and analysis fee. One copy will be returned with the results entered in the space below.

---

<table>
<thead>
<tr>
<th>Customer's Sample No.</th>
<th>Assay for Gold</th>
<th>Grab Channel (length)</th>
<th>Source of Sample</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Gold</td>
<td>0-3'</td>
<td>A2</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>3'-6'</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>6'-9'</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>9'-12'</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>12'-15'</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>15'-18'</td>
<td></td>
</tr>
</tbody>
</table>

Samples should weigh at least one pound and be dry. Fee for analysis must accompany sample.

Date Rec'd:  
Amount Rec'd:  
Analysis Mailed: October 5, 1971

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>P-36904</td>
<td>1</td>
<td>nil</td>
<td></td>
</tr>
<tr>
<td>P-36905</td>
<td>2</td>
<td>nil</td>
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</tr>
<tr>
<td>P-36906</td>
<td>3</td>
<td>nil</td>
<td></td>
</tr>
<tr>
<td>P-36907</td>
<td>4</td>
<td>nil</td>
<td></td>
</tr>
<tr>
<td>P-36908</td>
<td>5</td>
<td>nil</td>
<td></td>
</tr>
<tr>
<td>P-36909</td>
<td>6</td>
<td>trace</td>
<td></td>
</tr>
</tbody>
</table>

NOTE: The Department assumes responsibility only for the analytical results and not for the validity of any samples submitted.

Analyzed by: [Signature]

---
REQUEST FOR SAMPLE INFORMATION

Date: 10-1-71 Sec. 10 Twp. 29S R. 3E County: Douglas

Please print name and address in space below

LEN RAMP
P.O. Box 417
GRANTS PASS, OREGON

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<th>Source of Sample</th>
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<tbody>
<tr>
<td>7</td>
<td>Gold</td>
<td>18' - 21'</td>
<td>A2</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>21' - 24'</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td>24' - 27'</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td>27' - 30'</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
<td>30' - 32'</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>0 - 3'</td>
<td>A3</td>
</tr>
</tbody>
</table>

Samples should weigh at least one pound and be dry. Fee for analysis must accompany sample. Date Rec'd: Amount Rec'd: Analysis Mailed: October 5, 1971

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>P-36910</td>
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<td></td>
</tr>
<tr>
<td>P-36911</td>
<td>8</td>
<td>trace</td>
<td></td>
</tr>
<tr>
<td>P-36912</td>
<td>9</td>
<td>nil</td>
<td></td>
</tr>
<tr>
<td>P-36913</td>
<td>10</td>
<td>nil</td>
<td></td>
</tr>
<tr>
<td>P-36914</td>
<td>11</td>
<td>trace</td>
<td></td>
</tr>
<tr>
<td>P-36915</td>
<td>12</td>
<td>trace</td>
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</tbody>
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Analyzed by

[Signature]

[Stamp]
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<th>Grab Channel (length)</th>
<th>Source of Sample</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>Gold</td>
<td>3' - 6'</td>
<td>A3</td>
</tr>
<tr>
<td>14</td>
<td></td>
<td>6' - 9'</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td></td>
<td>9' - 12'</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>12' - 15'</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td></td>
<td>15' - 18'</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td></td>
<td>18' - 19'</td>
<td></td>
</tr>
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</table>

Samples should weigh at least one pound and be dry. Fee for analysis must accompany sample.

Date Rec'd: ____________________________  Amount Rec'd: ____________________________  Analysis Mailed: October 5, 1971

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<tr>
<th></th>
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<tbody>
<tr>
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<td>trace</td>
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</tr>
<tr>
<td>P-36917</td>
<td>14</td>
<td>trace</td>
<td></td>
</tr>
<tr>
<td>P-36918</td>
<td>15</td>
<td>trace</td>
<td></td>
</tr>
<tr>
<td>P-36919</td>
<td>16</td>
<td>trace</td>
<td></td>
</tr>
<tr>
<td>P-36920</td>
<td>17</td>
<td>nil</td>
<td></td>
</tr>
<tr>
<td>P-36921</td>
<td>18</td>
<td>nil</td>
<td></td>
</tr>
</tbody>
</table>

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Analyzed by ____________________________
REQUEST FOR SAMPLE INFORMATION

Date: 10-1-71 Sec. 10 Twp. 27S R. 3E County: DOUGLAS

(for your records)

Please print name and address in space below

LEN RAMP
PO Box 417
GRANTS PASS, OREGON

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<th>Grab Channel (length)</th>
<th>Source of Sample</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>GOLD</td>
<td>14' 20'</td>
<td>A3</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>14' 36' core</td>
<td>A3</td>
</tr>
</tbody>
</table>

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Date Rec'd:          Amount Rec'd:          Analysis Mailed: October 5, 1971

<table>
<thead>
<tr>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>P-36922</td>
<td>19</td>
<td>trace</td>
<td></td>
</tr>
<tr>
<td>P-36923</td>
<td>20</td>
<td>nil</td>
<td></td>
</tr>
</tbody>
</table>

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Analyzed by Wm. M. Calhoun
RECORD IDENTIFICATION
RECORD NO. M020158
RECORD TYPE. X1M
INFORMATION SOURCE.. 1Z
MAP CODE NO. OF REC.

REPORTER
NAME.. FERNS, MARK L. (BROOKS, HOWARD C.)
AFFILIATION.. ODGMI
DATE.. 81 01

NAME AND LOCATION
DEPOSIT NAME........ FOSTER CREEK GOLD PROSPECTS
COUNTRY CODE........... US
COUNTRY NAME: UNITED STATES
STATE CODE.............. OR
STATE NAME: OREGON
COUNTY.................. DOUGLAS
DRAINAGE AREA........... 17100307 PACIFIC NORTHWEST
PHYSIOGRAPHIC PROV...... 13 WESTERN CASCADES
LAND CLASSIFICATION..... 41

QUAD SCALE QUAD NO OR NAME
1: 62500 GARWOOD BUTTE

LATITUDE LONgITUDE
43-01-35N 122-24-21W

UTM NORTHING UTM EASTING UTM ZONE NO
4763700 548400 +10

TWP...... 029S
RANGE... 003E
SECTION. 23 24 25
MERIDIAN. WILLAMETTE
ALTITUDE.. 4000 FT

COMMODITY INFORMATION
COMMODITIES PRESENT........ AU AG HG

MAIN COMMOD..... AU
MINOR COMMOD..... AG
ORE MATERIALS (MINERALS, ROCKS, ETC.):  
FREE GOLD, PYRITE, CINNABAR

ANALYTICAL DATA (GENERAL)  
0.23 OZ/TON Au; 0.80 OZ/TON Ag (DDGMI ANALYSES) MOST VALUES LESS THAN 0.15 OZ/TON Au

EXPLORATION AND DEVELOPMENT  
STATUS OF EXPLOR. OR DEV. 2  
YEAR OF DISCOVERY: 1965  
BY WHOM: GEORGE SLADE  
PRESENT/LAST OPERATOR: R.C. BARTLEY, ASHLAND OREGON (1971)

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:  
DISSEMINATED

FORM/SHAPE OF DEPOSIT: LENTICULAR

SIZE/DIRECTIONAL DATA  
SIZE OF DEPOSIT: SMALL  
MAX LENGTH: 7000 FT  
MAX WIDTH: 600 FT  
STRIKE OF OREBODY: N 35 W

COMMENTS (DESCRIPTION OF DEPOSIT):  
DISCONTINUOUS GOLD MINERALIZATION OCCURS IN A MAIN ZONE APPROXIMATELY 7000 FEET LONG AND 100 TO 600 FEET WIDE. INDIVIDUAL GOLD-BEARING ZONES ARE 20-200 FT WIDE AND SEVERAL HUNDRED FEET LONG

PRODUCTION  
NO PRODUCTION

GEOLGY AND MINERALOGY

AGE OF HOST ROCKS: OLIGO-MIOCENE  
HOST ROCK TYPES: TUFF, ANDESITE

AGE OF ASSOCIATED IGNEOUS ROCKS: OLIGO-MIOCENE  
IGNEOUS ROCK TYPES: TUFF, ANDESITE

PERTINENT MINERALOGY: CLAYS

LOCAL GEOLOGY

COMMENTS (GEOLGY AND MINERALOGY):  
FREE GOLD AND PYRITE OCCUR AS FINELY DISSEMINATED GRAINS IN ALTERED TUFF AND ANDESITE. THE MINERALIZED ZONE APPEARS TO HAVE A MERCURY HALO

GENERAL REFERENCES
Foster Creek Gold Prospect
Douglas County, Oregon

This prospect is an epithermal gold-silver occurrence in the Western Cascade volcanic province. Free gold is present as very finely disseminated grains in altered zone in tuffaceous and andesitic rocks. The main mineralized zone, although not continuous, is at least 7,000 feet long and 100-600 feet wide. Individual gold-bearing areas range from about 20 to 200 feet wide and are up to several hundred feet long.

Assay values are commonly below $5/ton in gold and silver, but range up to $20.70/ton.

Several minor occurrences of cinnabar (see regional sketch map) were found along the margins of the main gold-bearing portion of the zone. In addition, a stream silt survey of the general area suggested a possible association between gold and arsenic (Figure 1).

This gold occurrence is apparently related regionally to sulphide zones located along a northwest trend which are more typical of "barren" Tertiary volcanic mineralization.

Because there are many other somewhat similar mineralized zones in Oregon's Tertiary volcanic rocks, it is suggested that a better understanding of the metal distribution in this deposit could materially aid in the evaluation of many other sulphide zones of this type.

R.C. Bailey, 3/24/71
CERTIFICATE OF ASSAY

TO  Denison Mines (U.S.) Inc.  
North 9107 Country Homes Boulevar  
SPOKANE, WASHINGTON 99218  

November 24, 1981

I hereby certify that the following are the results of assays made by us upon the herein described pulps samples.

<table>
<thead>
<tr>
<th>MARKED</th>
<th>Percent</th>
<th>MARKED</th>
<th>Percent</th>
<th>MARKED</th>
<th>Percent</th>
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<tr>
<td></td>
<td>Cu</td>
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<tr>
<td>22964</td>
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<tr>
<td>22965</td>
<td>2.40</td>
<td></td>
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</tr>
</tbody>
</table>

22964 Dodson Butte area, Panama adit, massive pyrr + cp (a Dorothy Kartes prospect)
22965 " " " , trench above adit, gossan w/residual cp

cc Mr. R. C. Parker - Oregon

NOTE:
Rejects retained two weeks
Pulps retained three months unless otherwise arranged.

Registered Assayer, Province of British Columbia
CERTIFICATE OF ASSAY

TO         Denison Mines Ltd.

#4 North 9107 Country Homes Boulevard

SPOKANE, WASHINGTON 99218

A21 - 1987
December 16, 1981

PROJECT: NONE GIVEN

NOTE: Rejects retained two weeks
      Pulps retained three months
      unless otherwise arranged.

<table>
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<th>MARKED</th>
<th>Percent Cu</th>
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<tr>
<td>22965</td>
<td>2.32</td>
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</table>

cc Mr. R. C. Parker - Oregon

Our Geochem Report 121-3729 samples.