

# Geologic datasets for weights of evidence analysis in northeast Washington—4. Mineral industry activity in Washington, 1985–1997.

by D.E. Boleneus<sup>1</sup> and R.E. Derkey<sup>2</sup>

Open-File Report 00-014 A

Prepared in cooperation with Washington Department of Natural Resources, Division of Geology and Earth Resources

2000

## Disclaimer

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U.S. DEPARTMENT OF THE INTERIOR  
U.S. GEOLOGICAL SURVEY

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<sup>1</sup> Spokane, Washington

<sup>2</sup> Washington Department of Natural Resources, Spokane, Washington

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## **Abstract**

This report includes a table of 339 sites representing mineral activities for mining and mineral exploration in the State of Washington from 1985 through 1997. The table was primarily compiled from annual reports in Washington Geologic Newsletter and Washington Geology. The information was compiled for use in a weights-of-evidence analysis of mineral resources in northeastern Washington.

## **Introduction**

The Washington Department of Natural Resources, Division of Geology and Earth Resources, annually reports mining, development, and mineral exploration activities in the state. The majority of this information is obtained from a voluntary questionnaire survey of mining companies and individuals, published information, and inquiries of public officials. Because not all questionnaires were returned, the annual reports were an incomplete measure of Washington state mining activities. These results were published annually in the Washington Geologic Newsletter for years through 1990 and in Washington Geology in 1991 and afterward.

A table ([Appendix II](#)) was compiled for the period 1985 through 1997 (Derkey, R.E., [1995](#), [1996](#), [1997](#), [1998](#), Derkey, R.E. and Gulick, C.W, [1992](#), [1994](#), Derkey, R.E., Gulick, C.W and Lingley, W.S., [1993](#), Gulick, C.W. and Lingley, W.S., [1993](#), Joseph, N.L., [1986](#), [1987](#), [1988](#), [1989](#), [1990](#), [1991](#)) from these annual reports. The data were used in a weights-of-evidence spatial analysis of mineral resources and exploration activity in northeastern Washington (unpublished data). [Figure 1](#) shows the location of 339 exploration or mining sites in Washington for the years 1985 through 1997

## **Description of data**

Washington mineral industry surveys indicate the sites of mining, development, and exploration for metallic or industrial commodities. The table includes the commodities or deposit types as follows: barite, clay, coal (sub-bituminous), copper, crystals, diatomite, dolomite, gold, gold (+/- silver) placer, gypsum or gypsite, lead, limestone, magnesium, marble, molybdenum, nickel, olivine, peat, rock or stone, sandstone, shale, silica, silver, talc or soapstone, uranium, and zinc. Commodities of common variety minerals—stone, rock, etc.--may be included but this compilation cannot be considered complete for such commodities. For each of the 339 sites, the following data ([Appendix](#)) are provided:

property name, location by township-range-section, latitude, longitude, county, first commodity, all commodities,

operator/owner, deposit setting, activity for each year from 1985 to 1997, and activity type for each year from 1985 to 1997.

Township, range, and section(s) given in "location" are those cited from the references. Latitude and longitude were provided by Washington Department of Natural Resources, Division of Geology and Earth Resources for some sites. For other sites, latitude and longitude were calculated from section, township, range and meridian. This was done by arbitrarily selecting a section (assumed section) that occupied the approximate central part of the property. The calculation method uses the freeware script, 'TRS2LL' (M. Wefald, written commun. 1998). The resulting latitude and longitude refer to a point in the center of the assumed section.

If activity was recorded on a site during 1997, "Activity 1997" was answered "yes" and a description was provided in "Activity type, 1997". The same procedure was followed for other years. Years with activity answered "yes" ranged from a low of 61 sites in 1987 to a high of 144 sites in 1991.

## How to obtain digital data

Five files are included on the diskette:

<u>Name</u>	<u>Explanation</u>
• readme	Explains how the digital data is organized
• tx00-014.doc (MS Word 97)	Text of report, <a href="#">figure 1</a> , and metadata
• me00-014.txt (text)	<a href="#">Appendix I</a> (metadata)
• ta00-014.xls (MS Excel 97)	<a href="#">Appendix II</a> (table)
• fi00-014.jpg (JPEG picture)	<a href="#">Figure 1</a>

Metadata gives further details about the data and are described in [Appendix I](#) of the report.

The complete digital files are available from the USGS.

To obtain copies of the digital data from the Internet, do one of the following:

1. Download the digital files from the USGS public access World Wide Web site on the Internet: URL = <http://geopubs.wr.usgs.gov/open-file/of00-014/>

The Internet sites contain one self-extracting zipped file. To expand this file, use the Run command in Windows (95, 98, and NT) or type the file name and hit enter at the DOS prompt.

The report and data may also be available on diskette from USGS Open-File Services, Denver, Colorado.



Figure 1.--Map showing location of 339 exploration or mining sites in Washington.

## References

- Derkey, R.E., 1995, The metal mining industry of Washington in 1994: Washington Geology, vol 23, no. 1, p. 3-17.
- \_\_\_\_\_, 1996, The metallic, nonmetallic, and industrial mineral industry of Washington in 1995: Washington Geology, vol. 24, no. 1, p. 3-19.
- \_\_\_\_\_, 1997, The metallic, nonmetallic, and industrial mineral industry of Washington in 1996: Washington Geology, vol. 25, no. 1, p. 3-11.
- \_\_\_\_\_, 1998, The metallic, nonmetallic, and industrial mineral industry of Washington--1997: Washington Geology, vol. 26, no. 1, p. 3-10.
- Derkey, R.E. and Gulick, C.W., 1992, Washington's mineral industry--1991: Washington Geology, vol. 20, no. 1, p 3-25.
- \_\_\_\_\_, 1994, Washington's mineral industry--1993: Washington Geology, vol. 22, no. 1, p 3-22.
- Derkey, R.E., Gulick, C.W. and Lingley, W.S., 1993, Washington's mineral industry--1992: Washington Geology, vo. 21, no. 1, p. 3-25.
- Gulick, C.W. and Lingley, W.S., 1993, Sand and gravel, quarried rock, and industrial minerals: Washington Geology, vol., 21, no. 1, p. 25-30.
- Joseph, N.L., 1986, Washington's mineral industry, 1985: Washington Geologic Newsletter, vol. 14, no. 1-2, p 1-17.
- \_\_\_\_\_, 1987, Washington's mineral industry, 1986: Washington Geologic Newsletter, vol. 15, no. 1, p 3-21.
- \_\_\_\_\_, 1988, The mineral industry in Washington, 1987: Washington Geologic Newsletter, vol. 16, no. 2, p 3-19.
- \_\_\_\_\_, 1989, Washington's mineral industry-1988: Washington Geologic Newsletter, vol. 17, no. 1, p 3-21.
- \_\_\_\_\_, 1990, Washington's mineral industry in 1989: Washington Geologic Newsletter, vol. 18, no. 1, p 3-22.

\_\_\_\_, 1991, Washington's mineral industry--1990: Washington Geology, vol. 19, no. 1, p 3-24.



## Appendix I--Metadata

### Identification\_Information:

#### Citation:

##### Citation\_Information:

Originator: David E. Boleneus

Originator: Robert E. Derkey

Publication\_Date: 2000

#### Title:

Geologic datasets for weights of evidence analysis in northeast Washington--4. Mineral industry activity in Washington, 1985-1997.

Edition: version 1.0

Geospatial\_Data\_Presentation\_Form: map

#### Series\_Information:

Series\_name: Open-File Report 00-014

Issue\_Identification: ta00-014.xls

#### Publication\_Information:

Publication\_Place: Spokane WA

Publisher: U.S. Geological Survey

Online\_Linkage: URL =

[http://wrgis.wr.usgs.gov/docs/northwest\\_regions/of00-014.html](http://wrgis.wr.usgs.gov/docs/northwest_regions/of00-014.html)

#### Description:

##### Abstract:

This report is a tabular presentation of mineral activities for mining and exploration in Washington during 1985 to 1997. The data may be incomplete

as it depended on published data or data volunteered by operators.

##### Purpose:

This dataset was developed to provide mineral resource data for the region of northeast WA for use in future spatial analysis by a variety of users.

This database is not meant to be used or displayed at any scale larger than 1:24,000

### Time\_Period\_of\_Content:

#### Time\_Period\_Information:

##### Single\_Date/Time:

Calendar\_Date: 1998

#### Currentness\_Reference:

Date data was published in mineral industry surveys during 1985 to 1997.

### Status:

Progress: Complete

Maintenance\_and\_Update\_Frequency: No updates are planned at this time.

### Spatial\_Domain:

#### Bounding\_Coordinates:

West\_Bounding\_Coordinate: -123.0

East\_Bounding\_Coordinate: -117.0

North\_Bounding\_Coordinate: 49.0

South\_Bounding\_Coordinate: 45.0

Keywords:

Theme:

Theme\_Keyword\_Thesaurus: none  
Theme\_Keyword: mineral resource  
Theme\_Keyword: lead  
Theme\_Keyword: zinc  
Theme\_Keyword: gold  
Theme\_Keyword: silver  
Theme\_Keyword: training sites  
Theme\_Keyword: placer gold  
Theme\_Keyword: mines  
Theme\_Keyword: prospects  
Theme\_Keyword: occurrences  
Theme\_Keyword: mining  
Theme\_Keyword: exploration

Place:

Place\_Keyword\_Thesaurus: none  
Place\_Keyword: Washington  
Place\_Keyword: northeast Washington  
Place\_Keyword: USA

Access\_Constraints: none

Use\_Constraints:

This digital database is not meant to be used or displayed at any scale larger than 1:24,000.

Any hardcopies utilizing these data sets shall clearly indicate their source. If the user has modified the data in any way they are obligated to describe the types of modifications they have performed on the hardcopy map. User specifically agreed not to misrepresent these data sets, nor to imply that changes they made were approved by the U.S. Geological Survey.

Data\_Set\_Credit:

David Boleneus and Robert Derkey compiled the data in digital form from mineral industry surveys collected during 1985 to 1997. Compilation included locating the sites by latitude-longitude location.

Point\_of\_Contact:

Contact\_Information:

Contact\_Person\_Primary:  
Contact\_Person: David Boleneus  
Contact\_Organization: U.S. Geological Survey  
Contact\_Position: geologist  
Contact\_Address:  
Address\_Type: mailing and physical address  
Address: 904 W. Riverside Ave., Rm. 202  
City: Spokane  
State\_or\_Province: WA  
Postal\_Code: 99201  
Country: USA  
Contact\_Voice\_Telephone: 1-509-368-3100  
Contact\_Facsimile\_Telephone: 1-509-368-3199  
Contact\_Electronic\_Mail\_Address: dboleneu@usgs.gov

Native\_Data\_Set\_Environment: MS Excel 97, Win95

Data\_Quality\_Information:

Attribute\_Accuracy:

Attribute\_Accuracy\_Report:

Accuracy of the attributes was verified by manual comparison of location of records of Washington Department of Natural Resources. Attribute accuracy was not verified on the the ground.

Logical\_Consistency\_Report: Point data is given in latitude and longitude (decimal degrees).

Completeness\_Report:

This digital dataset was produced from data published by the Washington Department of Natural Resources.

Positional\_Accuracy:

Horizontal\_Positional\_Accuracy:

Horizontal\_Positional\_Accuracy\_Report:

The horizontal positional accuracy for the digital data was not field-checked.

Lineage:

Source\_Information:

Source\_Citation:

Citation\_Information:

Originator: N. L. Joseph

Publication\_Date: 1986

Title: Washington's mineral industry, 1985

Geospatial\_Data\_Presentation\_Form: section

Series\_Information:

Series\_Name: Washington Geologic Newsletter

Issue\_Identification: Vol 14, no 1-2, p. 1-17.

Publication\_Information:

Publication\_Place: Olympia Washington

Publisher: Washington Department of Natural Resources, Division of Geology and Earth Resources

Type\_of\_Source\_Media: paper

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Time\_Period\_Information:

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Source\_Citation\_Abbreviation: A

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Originator: N. L. Joseph

Publication\_Date: 1987

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Publication\_Date: 1988  
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Series\_Information:  
Series\_Name: Washington Geologic Newsletter  
Issue\_Identification: Vol 16, no 2, p. 3-19.  
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Publication\_Date: 1989  
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Series\_Name: Washington Geologic Newsletter  
Issue\_Identification: Vol 17, no 1, p. 3-21.  
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Publication\_Place: Olympia Washington  
Publisher: Washington Department of Natural Resources, Division of  
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                 Series\_Name: Washington Geology  
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             Publication\_Information:  
                 Publication\_Place: Olympia Washington  
                 Publisher: Washington Department of Natural Resources, Division of Geology and Earth Resources  
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  Issue\_Identification: Vol 20, no 1, p. 3-25.  
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Publication\_Date: 1993  
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Originator: C. W. Gulick, and W. S. Lingley  
Publication\_Date: 1993  
Title: Sand and gravel, quarried rock, and industrial minerals  
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  Issue\_Identification: Vol 21, no 1, p. 25-30.  
Publication\_Information:

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Publication\_Date: 1994  
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Publisher: Washington Department of Natural Resources, Division of  
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Publication\_Date: 1995  
Title: The Metal Mining Industry of Washington in 1994  
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Series\_Name: Washington Geology  
Issue\_Identification: Vol 23, no 1, p. 3-17.  
Publication\_Information:  
Publication\_Place: Olympia Washington  
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Source\_Citation:

Citation\_Information:

Originator: R. E. Derkey

Publication\_Date: 1996

Title: The metallic, nonmetallic, and industrial mineral industry of Washington in 1995

Geospatial\_Data\_Presentation\_Form: section

Series\_Information:

Series\_Name: Washington Geology

Issue\_Identification: Vol 24, no 1, p. 3-19.

Publication\_Information:

Publication\_Place: Olympia Washington

Publisher: Washington Department of Natural Resources, Division of Geology and Earth Resources

Type\_of\_Source\_Media: paper

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Time\_Period\_Information:

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Calendar\_Date: 1996

Source\_Currentness\_Reference: the data were current in the year when published

Source\_Citation\_Abbreviation: L

Source\_Contribution: one of 14 reports from which data were taken

Source\_Information:

Source\_Citation:

Citation\_Information:

Originator: R. E. Derkey

Publication\_Date: 1997

Title: The metallic, nonmetallic, and industrial mineral industry of Washington in 1996

Geospatial\_Data\_Presentation\_Form: section

Series\_Information:

Series\_Name: Washington Geology

Issue\_Identification: Vol 25, no 1, p. 3-11.

Publication\_Information:

Publication\_Place: Olympia Washington

Publisher: Washington Department of Natural Resources, Division of Geology and Earth Resources

Type\_of\_Source\_Media: paper

Source\_Time\_Period\_of\_Content:

Time\_Period\_Information:

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Calendar\_Date: 1997

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Source\_Citation:



Citation\_Information:

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Publication\_Date: 1998  
Title: The metallic, nonmetallic, and industrial mineral industry  
of Washington--1997  
Geospatial\_Data\_Presentation\_Form: section  
Series\_Information:  
Series\_Name: Washington Geology  
Issue\_Identification: Vol 26, no 1, p. 3-10.  
Publication\_Information:  
Publication\_Place: Olympia Washington  
Publisher: Washington Department of Natural Resources, Division of  
Geology and Earth Resources  
Type\_of\_Source\_Media: paper  
Source\_Time\_Period\_of\_Content:  
Time\_Period\_Information:  
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Calendar\_Date: 1998  
Source\_Currentness\_Reference: the data were current in the year when  
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Source\_Citation\_Abbreviation: N  
Source\_Contribution: one of 14 reports from which data were taken

Process\_Step:

Process\_Description: data were copied into a spreadsheet from the various  
references  
Process\_Date: 1998

Spatial\_Reference\_Information:

Horizontal\_Coordinate\_System\_Definition:  
Geographic:  
Latitude\_Resolution: 0.0003  
Longitude\_Resolution: 0.0003  
Geographic\_Coordinate\_Units:  
decimal degrees

Entity\_and\_Attribute\_Information:

Overview\_Description:

Entity\_and\_Attribute\_Overview:

Geologic datasets for weights of evidence  
analysis in northeast Washington--4.  
Mineral industry activity in Washington, 1985-1997  
The data consists of one worksheet in the Excel 97 file,  
with fields described as follows:

Property name--Name of site, property or project

Location--Location of site by township, range, and section

Township--Township used in calculating the latitude and longitude,  
unused, but occupied township(s) in parentheses (hidden).

Range--Range used in calculating the latitude and longitude.  
unused, but occupied range(s)in parentheses (hidden).

Section--Sections occupied in given township(s) (hidden).

Assumed section--A section assumed as the center of the site.  
The center of this section is the location used in calculating  
the latitude and longitude of the center of the site.

Latitude--Location in decimal degrees of latitude of center of the site

Longitude--Location in decimal degrees of longitude of center of the site

County--Name of county in Washington

First commodity--Name of the first commodity or deposit type listed

All commodities--List of all commodities of interest at site

Operator/Owner--Name of owner or operator

Deposit setting or type--Name of the deposit type, or if unavailable,  
the type of geologic setting at the site

Activity, 1997--Indicates if activity occurred at the site in 1997.  
This is answered "Yes" or left blank if no activity was recorded.

Activity type, 1997--Nature of activity during 1997.

For years 1996 back to 1985, the "Activity, 19xx" and "Activity type,  
19xx"  
are provided for the respective year.

Entity\_and\_Attribute\_Detail\_Citation:

See Open-File Report 00-014, available on-line at  
<http://wrgis.wr.usgs.gov/open-file/of00-014.html>

Distribution\_Information:

Distributor:

Contact\_Information:

Contact\_Organization\_Primary:

Contact\_Organization: U.S. Geological Survey Information Services

Contact\_Address:

Address\_Type: mailing and physical address

Address: Open-File Reports, Box 25286

City: Denver

State\_or\_Province: CO

Postal\_Code: 80225

Country: USA

Contact\_Voice\_Telephone: 1-303-202-4200

Contact\_Facsimile\_Telephone: 1-303-202-4693

Contact\_Information:

Contact\_Person\_Primary:

Contact\_Person: David Boleneus

Contact\_Organization: U.S. Geological Survey

Contact\_Position: geologist

Contact\_Address:

Address\_Type: mailing and physical address

Address: 904 West Riverside, Rm. 202

City: Spokane

State\_or\_Province: WA  
Postal\_Code: 99201  
Country: USA  
Contact\_Voice\_Telephone: 1-509-368-3100  
Contact\_Facsimile\_Telephone: 1-509-368-3199  
Contact\_Electronic\_Mail\_Address: dboleneu@usgs.gov

Contact\_Information:

Contact\_Organization\_Primary:

Contact\_Organization:

U.S. Geological Survey - Earth Science Information  
Office

Contact\_Address:

Address\_Type: mailing and physical address

Address: 904 West Riverside, Rm. 135

City: Spokane

State\_or\_Province: WA

Postal\_Code: 99201

Country: USA

Contact\_Voice\_Telephone: 1-509-368-3130

Contact\_Facsimile\_Telephone: 1-509-368-3194

Contact\_Electronic\_Mail\_Address: esnfic@mailmcan1.wr.usgs.gov

Hours\_of\_Service: 8:00 a.m. - 4:30 p.m., Pacific time zone

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Contact\_Information:

Contact\_Organization\_Primary:

Contact\_Organization: U.S. Geological Survey

Contact\_Person: G. Stephen Pitts

Contact\_Position: GIS Lab Coordinator, Contractor

Contact\_Address:

Address\_Type: mailing and physical address

Address: 520 N. Park Avenue, Suite 355

City: Tucson

State\_or\_Province: AZ

Postal\_Code: 85719

Country: USA  
Contact\_Voice\_Telephone: 1-520-670-5511  
Contact\_Facsimile\_Telephone: 1-520-670-5571  
Contact\_Electronic\_Mail\_Address: bear@swfo.arizona.edu  
Metadata\_Standard\_Name:  
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**Appendix II--Table of mineral industry activity in Washington, 1985 to 1997.**

Explanation of fields in table.

The data consists of one worksheet in the Excel 97 file, with fields described as follows:

Property name--Name of site, property or project  
Location--Location of site by township, range, and section  
Latitude--Location in decimal degrees of latitude of center of the site  
Longitude--Location in decimal degrees of longitude of center of the site  
County--Name of county in Washington  
First commodity--Name of the first commodity or deposit type listed  
All commodities--List of all commodities of interest at site  
Operator/Owner--Name of owner or operator  
Deposit setting or type--Name of the deposit type, or if unavailable, the type of geologic setting at the site  
Activity, 1997--Indicates if activity occurred at the site in 1997. This is answered "Yes" or left blank if no activity was recorded.  
Activity type, 1997--Nature of activity during 1997.  
For years 1985 to 1996, the Activity, 19xx and Activity type, 19xx, are provided for each year respectively.

Hidden columns:

Township, Range, Section--Legal land description used to calculate longitude and latitude

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Location	Assumed Section	Latitude (calculated)	Longitude (calculated)	County	First Commodity	All Commodities
1	Blewett (Montana de Oro)	secs. 1-3, 22N, 17E	2	47.4257	-120.6710	Chelan	Au	Au, Ag, Hg, Cu
2	Cannon Mine	sec. 16, 22N, 20E	16	47.3990	-120.3368	Chelan	Au	Au, Ag
3	Compton	sec. 27, 22N, 20E	27	47.3698	-120.3154	Chelan	Au	Au, Ag
4	Flume claims	sec. 2, 23N, 19E	2	47.5157	-120.4225	Chelan	Au	Au, Ag
5	Garmany and others	sec. 8, 22N, 20E	8	47.4136	-120.3582	Chelan	Au	Au, Ag
6	Gold Basin	sec. 5, 22N, 17E	5	47.4257	-120.7342	Chelan	Au	Au
7	Gold Bond	secs. 2-3, 22N, 17E	3	47.4257	-120.6920	Chelan	Au	Au
8	Gold Ring property	secs. 15, 22, 29N, 17E	22	47.9963	-120.7148	Chelan	Au	Au, Ag, Pb, Zn
9	Holden mine	secs. 18-19, 31N, 17E; secs. 12-13, 31N, 16E	18	48.1866	-120.7797	Chelan	Cu	Cu, Au, Zn, Ag
10	Horse Lake	secs. 24-25, 23N, 19E, sec. 30, 23N, 20E	25	47.4574	-120.4010	Chelan	Au	Au, Ag
11	Howe-Sound tailings	secs. 7-8, 31N, 17E	7	48.2012	-120.7797	Chelan	Au	Au
12	Jeep claims	sec. 14, 23N, 19E	14	47.4866	-120.4225	Chelan	Au	Au, Ag
13	Lake claims	sec. 30, 23N, 20E	30	47.4574	-120.3796	Chelan	Au	Au, Ag
14	L-D, B-reef, Canyon No. 2	secs. 16, 18, 22, 22N, 20E	18	47.3990	-120.3796	Chelan	Au	Au, Ag
15	Lovitt mine	sec. 22, 22N, 20E	22	47.3844	-120.3154	Chelan	Au	Au
16	Matthews	sec. 35, 22N, 20E	35	47.3552	-120.2940	Chelan	Au	Au, Ag
17	Miners Basin	sec. 31, 31N, 20E	31	48.1427	-120.3905	Chelan	Cu	Cu
18	Nason Ridge	secs. 10, 14-15, 27N, 15E	15	47.8382	-120.9590	Chelan	Marble	Marble
19	Noid	sec. 8, 22N, 20E	8	47.4136	-120.3582	Chelan	Au	Au, Ag
20	Payday Group, Welcome Nugget Pl	sec. 30 26N, 18E	30	47.7229	-120.6374	Chelan	Au	Au, Ag placer
21	Radio claims	sec. 34, NW1/4, 24N, 19E	34	47.5303	-120.4439	Chelan	Au	Au, Ag
22	Raven Group	sec. 21, 27N, 18E	21	47.8237	-120.5945	Chelan	Au	Au, Ag
23	Sears Creek	sec. 32, 28N, 16E	32	47.8813	-120.8733	Chelan	Soapstone	Soapstone
24	Sec. 36 lease	sec. 36, 22N, 20E	36	47.3552	-120.2725	Chelan	Au	Au, Ag
25	Simon	sec. 8, 22N, 20E	8	47.4136	-120.3582	Chelan	Au	Au, Ag
26	Skyline	sec. 9, 22N, 20E	9	47.4136	-120.3368	Chelan	Au	Au, Ag
27	Spring claims	sec. 6, 23N, 20E	6	47.5157	-120.3796	Chelan	Au	Au, Ag
28	Trail claims	sec. 12, 23N, 19E	12	47.5011	-120.4010	Chelan	Au	Au, Ag
29	Wallace	sec. 25, 23N, 19E	25	47.4574	-120.4010	Chelan	Au	Au, Ag
30	Wenatchee Gold	sec. 16, 22N, 20E	16	47.3990	-120.3368	Chelan	Au	Au
31	Wenatchee Gold Belt Project	sec. 35, 22N, 20E	35	47.3552	-120.2940	Chelan	Au	Au, Ag
32	Wenatchee Heights	sec. 7, 22N, 20E	27	47.3698	-120.3154	Chelan	Au	Au, Ag placer
33	Wenatchee silica quarry	sec. 21, 22N, 20E	21	47.3844	-120.3368	Chelan	Silica	Silica
34	Woodworth KP	secs. 6-7, 22N, 18E	7	47.4113	-120.6288	Chelan	Au	Au
35	Twin River Quarry	secs. 22-23, 31N, 10W	22	48.1693	-123.9764	Clallam	Clay	Clay
36	Castle Rock Quarry	sec. 18, 10N, 1W	18	46.3504	-122.8544	Cowlitz	Clay	Clay
37	Coulee Chief	sec. 24, 23N, 25E	24	47.4720	-119.6299	Douglas	Clay	Clay
38	Volcanic mine	sec. 13, 23N, 25E	13	47.4866	-119.6299	Douglas	Clay	Clay
39	Volcanic and Rock Top Deposits	sec. 13, 20, 22N, 26E	20	47.3844	-119.5871	Douglas/ Grant	Clay	Clay
40	Black Hawk	sec. 6, 37N, 34E; sec. 31, 38N, 34E	6	48.7350	-118.5595	Ferry	Au	Au, Ag, Cu, Fe
41	California	secs. 20, 29, 36N, 34E	20	48.6051	-118.5747	Ferry	Au	Au, Ag
42	Copper Lakes	secs. 3, 9-10, 14, 36N, 32E	10	48.6342	-118.7924	Ferry	Au	Au, Ag
43	Copper Mountain	secs. 3-4, 9-10, 15-16, 22, 36N, 32E	10	48.6342	-118.7924	Ferry	Au	Au, Ag
44	Cuban	sec. 2, 34N, 36E	2	48.4767	-118.2302	Ferry	Au	Au, Ag, Zn, Pb, Cu
45	Curlew	sec. 10, 39N, 33E	10	48.8924	-118.6252	Ferry	Au	Au, Ag
46	Empire Creek	secs. 6-7, 38N, 33E	7	48.8065	-118.6909	Ferry	Au	Au, Ag
47	Ferguson Ranch	sec. 5, 36N, 34E	5	48.6487	-118.5747	Ferry	Au	Au
48	Gib claims	secs. 4-5, 8, 36N, 33E	5	48.6487	-118.7053	Ferry	Au	Au, Ag
49	Gold Dike/Gold Hill	secs. 7-8, 40N, 34E	7	48.9782	-118.5595	Ferry	Au	Au, Cu
50	Gold Fields Mining Corp.	sec. 1 35N, 32E; sec. 2 36N, 32E	1	48.5614	-118.7489	Ferry	Au	Au, Ag
51	Gold Mountain	secs. 7-8, 17-18, 40N, 34E	18	48.9639	-118.5595	Ferry	Au	Au, Ag, Cu
52	Golden Eagle	sec. 27, 37N, 32E	27	48.6777	-118.7566	Ferry	Au	Au, Ag

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Operator /Owner	Deposit setting or type	Activity 1997
1	Blewett (Montana de Oro)	Montana d'Oro Inc.	Veins in serpentinite and metasedimentary-metavolcanic rocks	
2	Cannon Mine	Asamera Minerals (U.S.) Inc./Breakwater Resources, Tenneco Mineral	Mineralization in altered arkosic sandstone	
3	Compton	Asamera Minerals/Breakwater Resources, Wilbur Hallauer	Mineralization in altered intervals in arkosic sandstone	
4	Flume claims	Asamera Minerals	Mineralization in altered intervals in arkosic sandstone	
5	Garmany and others	Asamera Minerals	Mineralization in altered intervals in arkosic sandstone	
6	Gold Basin	AB2C Mining Co.	Hydrothermal	
7	Gold Bond	Gold Bond Mining Co./Gold Bond Resources	Vein Mineralization in ophiolite complex	
8	Gold Ring property	Gold Ring Mine Inc.	Rocks of Cretaceous Chelan complex	
9	Holden mine	Holden Village, Inc., Sunshine Valley Minerals Inc.	Metamorphosed volcanogenic massive sulfide	
10	Horse Lake	Silver Lake Resources	Hydrothermal	
11	Howe-Sound tailings	Sunshine Valley Minerals Inc.	Tailings	
12	Jeep claims	Asamera Minerals	Mineralization in altered intervals in arkosic sandstone	
13	Lake claims	Asamera Minerals	Mineralization in altered intervals in arkosic sandstone	
14	L-D, B-reef, Canyon No. 2	Tenneco Minerals/United Mining	Epithermal deposit in Eocene age rocks	
15	Lovitt mine	Teck Exploration Ltd.	Epithermal gold	
16	Matthews	Asamera Minerals/Breakwater Resources, Ramrod Gold USA Inc.	Mineralization in altered intervals in arkosic sandstone	
17	Miners Basin	Robert Wood	Hydrothermal	
18	Nason Ridge	ECC International	Marble in Chelan complex	
19	Noid	Asamera Minerals	Mineralization in altered intervals in arkosic sandstone	
20	Payday Group, Welcome Nugget Pl	Welcome Nugget Mines	Placer deposit	
21	Radio claims	Asamera Minerals	Mineralization in altered intervals in arkosic sandstone	
22	Raven Group	Raven Hill Mining Co.	Vein in schist and gneiss	
23	Sears Creek	Ben Barke	Serpentinized peridotite and metaperidotite	
24	Sec. 36 lease	Wilbur Hallauer	Mineralization in arkosic sandstone	
25	Simon	Asamera Minerals	Mineralization in altered intervals in arkosic sandstone	
26	Skyline	U.S. Borax & Chemical Corp.	Epithermal Au, Ag	
27	Spring claims	Asamera Minerals	Mineralization in altered intervals in arkosic sandstone	
28	Trail claims	Asamera Minerals	Mineralization in altered intervals in arkosic sandstone	
29	Wallace	Asamera Minerals (US)	Mineralization in silicified Eocene arkosic sandstone	
30	Wenatchee Gold	Weaco Resources Ltd.	Epithermal deposit in Eocene age rocks	
31	Wenatchee Gold Belt Project	Quest International, Yamana Resources Inc., Weaco Resources Ltd.	Mineralization in altered Eocene arkosic sandstone	Yes
32	Wenatchee Heights	Althouse Placers Inc.	Epithermal deposit in Eocene age rocks	
33	Wenatchee silica quarry	Asamera Minerals Inc., Wenatchee Silica Products Inc.	Epithermal silica	
34	Woodworth KP	Welcome North Mines Inc.	Hydrothermal	
35	Twin River Quarry	Holnam Inc., Ideal Basic Industries Inc.	Mudstone?	Yes
36	Castle Rock Quarry	Ash Grove Cement Co.	Sedimentary rocks	Yes
37	Coulee Chief	Basic Resources Corp.	Clays interbedded within Columbia River Basalt Group	
38	Volcanic mine	Basic Resources Corp.	Calcium bentonite beds in Miocene Columbia River Basalt	
39	Volcanic and Rock Top Deposits	Basic Resources Corp.	Volcanic ash calcium bentonite deposit	
40	Black Hawk	Echo Bay Minerals Inc.	Massive iron replacement/skarn in Permian metasedimentary rocks	Yes
41	California	Newmont Exploration Ltd.	Hydrothermal	
42	Copper Lakes	Echo Bay Exploration Inc.	Vein-type mineralization	
43	Copper Mountain	Phelps Dodge Corp.	Replacement deposits in greenstones	
44	Cuban	Colville Confederated Tribes	Vein and disseminated mineralization in quartz veins in shear zone	
45	Curlew	Asarco Inc.	Epithermal deposit in Eocene age rocks	
46	Empire Creek	Kennecott Inc, Curlew Lake Resources/Kettle River Resources	Mineralization in volcanics overlying granitic rocks	
47	Ferguson Ranch	Phelps Dodge Corp.	Replacement/exhalative mineralization in Permian rocks	
48	Gib claims	Newmont Exploration Ltd.	Hydrothermal	
49	Gold Dike/Gold Hill	Sundance Mining & Development Inc.	Hydrothermal	
50	Gold Fields Mining Corp.	Gold Fields Mining Corp.	Epithermal deposits in Eocene Scatter Creek Formation	
51	Gold Mountain	Vulcan Mountain Inc., Gold Express/N.A.Degerstrom Inc.	Au-pyrite in alkaline dike rock in Jurassic Shasket Creek complex	Yes
52	Golden Eagle	Santa Fe Pacific Gold/Hecla Mining, Newmont Gold Co.	Epithermal mineralization Eocene bedded tuff	Yes

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1997	Activity	
			1996	Activity type 1996
1	Blewett (Montana de Oro)			
2	Cannon Mine			Yes
3	Compton			
4	Flume claims			
5	Garmany and others			
6	Gold Basin			
7	Gold Bond		Yes	Maintained or undergoing reclamation activities but where no active mining or exploration.
8	Gold Ring property			Yes
9	Holden mine			
10	Horse Lake			
11	Howe-Sound tailings			
12	Jeep claims			
13	Lake claims			
14	L-D, B-reef, Canyon No. 2			
15	Lovitt mine			
16	Matthews			
17	Miners Basin			
18	Nason Ridge			
19	Noid			
20	Payday Group, Welcome Nugget Plc			
21	Radio claims			
22	Raven Group			
23	Sears Creek			
24	Sec. 36 lease			
25	Simon			
26	Skyline			
27	Spring claims			
28	Trail claims			
29	Wallace			
30	Wenatchee Gold			
31	Wenatchee Gold Belt Project	Maintained property	Yes	Maintained or undergoing reclamation activities but where no active mining or exploration.
32	Wenatchee Heights			Yes
33	Wenatchee silica quarry			
34	Woodworth KP			
35	Twin River Quarry	Mined 50,000 tons clay	Yes	Mined 60,000 tons, development
36	Castle Rock Quarry	Mined 43,000 tons shale and clay	Yes	Mined 40,400 tons.
37	Coulee Chief			
38	Volcanic mine			Yes
39	Volcanic and Rock Top Deposits		Yes	Permitting is nearly completed, target is for 40,000 tons production in the first year.
40	Black Hawk	Drilled 2 holes totaling 1,475 feet		Yes
41	California			
42	Copper Lakes			
43	Copper Mountain			
44	Cuban			
45	Curlew			
46	Empire Creek			Yes
47	Ferguson Ranch			
48	Gib claims			
49	Gold Dike/Gold Hill			
50	Gold Fields Mining Corp.			
51	Gold Mountain	Reclamation	Yes	Geologic mapping, geophysics, drilled 14 holes. Santa Fe Pacific Gold Corp. cont. drilling of this deposit until Feb.; they then exercised their option and purchased the Golden Eagle portion of Hecla Mining Company's Republic holdings; exploration included leasing of the South Penn property.
52	Golden Eagle	Maintained property	Yes	Yes



Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1995	Activity 1994	Activity type 1994	Activity 1993
1	Blewett (Montana de Oro)				
2	Cannon Mine	Mining completed in 1994, clean-up, dismantling completed in 1995, reclamation continuing	Yes	Mining continued until mid-December when reserves were depleted and the mine was closed	Yes
3	Compton				Yes
4	Flume claims				
5	Garmany and others				
6	Gold Basin				
7	Gold Bond	Maintained property	Yes	Rehabilitation underground workings	Yes
8	Gold Ring property				
9	Holden mine		Yes	Evaluated condition of old haulage adit	
10	Horse Lake				
11	Howe-Sound tailings				
12	Jeep claims				
13	Lake claims				
14	L-D, B-reef, Canyon No. 2				
15	Lovitt mine				
16	Matthews		Yes	Drilling	Yes
17	Miners Basin				
18	Nason Ridge		Yes	Maintained property	Yes
19	Noid				
20	Payday Group, Welcome Nugget Plc				
21	Radio claims				
22	Raven Group				
23	Sears Creek		Yes	Developmental work	
24	Sec. 36 lease				
25	Simon				
26	Skyline				
27	Spring claims				
28	Trail claims				
29	Wallace				
30	Wenatchee Gold				
31	Wenatchee Gold Belt Project	Drilling (Ramrod Gold USA)	Yes	Drilling (Ramrod Gold)	
32	Wenatchee Heights				
33	Wenatchee silica quarry				
34	Woodworth KP				
35	Twin River Quarry	Mining	Yes	Mining	Yes
36	Castle Rock Quarry	Mining	Yes	Mining	Yes
37	Coulee Chief				Yes
38	Volcanic mine	Final mine permitting, planning 1996 mining start-up	Yes	Final mine permitting for mid-1995 start up	
39	Volcanic and Rock Top Deposits	Final mine permitting, planning 1996 mining start-up	Yes	Final mine permitting for mid-1995 start up	
40	Black Hawk				
41	California				
42	Copper Lakes		Yes	Geophysics, drilling	
43	Copper Mountain				
44	Cuban				Yes
45	Curlew				
46	Empire Creek	Geology, geochemistry, geophysics			
47	Ferguson Ranch				Yes
48	Gib claims				
49	Gold Dike/Gold Hill				
50	Gold Fields Mining Corp.				
51	Gold Mountain	Reclamation; sold property	Yes	Maintained property	Yes
52	Golden Eagle	Drilling, geologic evaluation; establish new JV			

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1993	Activity 1992	Activity type 1992	Activity 1991	Activity type 1991	Activity 1990
1	Blewett (Montana de Oro)		Yes	Exploration	Yes	Trenching, underground drilling, geochemistry	Yes
2	Cannon Mine	Mining, phasing down for closure in 1994	Yes	Mining, drilling	Yes	Mining, underground drilling	Yes
3	Compton	Maintained property		Negotiating		Retained property	
4	Flume claims				Yes	Geochemistry	Yes
5	Garmany and others				Yes	Geochemistry	
6	Gold Basin				Yes	Exploration	Yes
7	Gold Bond	Exploration, rehabilitaion work	Yes	Exploration, geochemistry , rehabilitation work			
8	Gold Ring property				Yes	Sample evaluation	Yes
9	Holden mine				Yes	Evaluation of in-situ leaching	
10	Horse Lake						
11	Howe-Sound tailings						
12	Jeep claims				Yes	Trenching, geochemistry	
13	Lake claims				Yes	Drilling, geochemistry	
14	L-D, B-reef, Canyon No. 2						
15	Lovitt mine						
16	Matthews	Drilling				Retained property	Yes
17	Miners Basin						
18	Nason Ridge	Assessment work	Yes	Assessment work	Yes	Drilling	
19	Noid				Yes	Drilling	
20	Payday Group, Welcome Nugget Plc						
21	Radio claims				Yes	Geochemistry	Yes
22	Raven Group		Yes	Exploration	Yes	Exploration	Yes
23	Sears Creek						
24	Sec. 36 lease		Yes	Geophysics	Yes	Geophysics	Yes
25	Simon		Yes	Drilling	Yes	Drilling	
26	Skyline						
27	Spring claims				Yes	Geochemistry	Yes
28	Trail claims				Yes	Geochemistry	Yes
29	Wallace		Yes	Exploration			
30	Wenatchee Gold						
31	Wenatchee Gold Belt Project				Yes	Exploration	Yes
32	Wenatchee Heights						
33	Wenatchee silica quarry						
34	Woodworth KP						
35	Twin River Quarry	Mining	Yes	Mining	Yes	Mining	Yes
36	Castle Rock Quarry	Mining	Yes	Mining			
37	Coulee Chief	Mine planning and engineering	Yes	Development	Yes	Sampling, drilling	
38	Volcanic mine						
39	Volcanic and Rock Top Deposits						
40	Black Hawk						
41	California						Yes
42	Copper Lakes						
43	Copper Mountain		Yes	Drilling	Yes	Drilling, geophysics, geochemistry , geologic mapping	
44	Cuban	Geologic mapping, geochemistry					
45	Curlew						
46	Empire Creek				Yes	Drilling, geophysics	
47	Ferguson Ranch	Drilled, dropped property					
48	Gib claims						
49	Gold Dike/Gold Hill						
50	Gold Fields Mining Corp.						Yes
51	Gold Mountain	Permitted, mining dependent on gold prices	Yes	Permitting	Yes	Permitted	Yes
52	Golden Eagle			On hold		On hold	Yes

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1990	Activity 1989	Activity type 1989	Activity 1988	Activity type 1988	Activity 1987
1	Blewett (Montana de Oro)	Exploration	Yes	Trenching			
2	Cannon Mine	Mining, surface and underground drilling; produced 148,000oz gold	Yes	Mined 143,000oz. Au	Yes	Mining, drilling, exploration. Mined 147,000oz. Au, 250,000oz. Ag	Yes
3	Compton						
4	Flume claims	Exploration					
5	Garmany and others						
6	Gold Basin	Exploration					
7	Gold Bond						
8	Gold Ring property	Exploration					
9	Holden mine		Yes	Red Butte Resources leased tailings			
10	Horse Lake						
11	Howe-Sound tailings			Leased tailings from Holden Village	Yes	Processing tailings	
12	Jeep claims						
13	Lake claims						
14	L-D, B-reef, Canyon No. 2						
15	Lovitt mine						Yes
16	Matthews	Drilling, geophysics, exploration					
17	Miners Basin		Yes	Drilling			
18	Nason Ridge						
19	Noid						
20	Payday Group, Welcome Nugget Pl				Yes	Dredging	Yes
21	Radio claims	Exploration					
22	Raven Group	Exploration	Yes	Exploration	Yes	Exploration, bulk sampling	
23	Sears Creek						
24	Sec. 36 lease	Geophysics					
25	Simon						
26	Skyline		Yes	Drilling			
27	Spring claims	Drilling					
28	Trail claims	Exploration					
29	Wallace						
30	Wenatchee Gold						
31	Wenatchee Gold Belt Project	Drilling, geology, geophysics			Yes	Drilling	
32	Wenatchee Heights			Leased to Asamera Minerals	Yes	Lease to Asamera Minerals	
33	Wenatchee silica quarry						
34	Woodworth KP						
35	Twin River Quarry	Mining	Yes	Mined 100,000 tons	Yes	Mined 100,000tons	Yes
36	Castle Rock Quarry						
37	Coulee Chief						
38	Volcanic mine						
39	Volcanic and Rock Top Deposits						
40	Black Hawk						
41	California	Drilling					
42	Copper Lakes						
43	Copper Mountain						
44	Cuban						
45	Curlew		Yes	Drilling	Yes	Drilling, geology mapping, geochemistry	
46	Empire Creek	Negotiating	Yes	Drilling		Optioned property	Yes
47	Ferguson Ranch						
48	Gib claims		Yes	Exploration			
49	Gold Dike/Gold Hill		Yes	Optioned to Gold Express	Yes	Drilling; processing at heap leach operation	Yes
50	Gold Fields Mining Corp.	Exploration					
51	Gold Mountain	Permitting	Yes	Permitting			
52	Golden Eagle	Drilling	Yes	Drilling	Yes	Mined 70,000oz. Au, 290,000oz. Ag	

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1987	Activity 1986	Activity type 1986	Activity 1985	Activity type 1985
1	Blewett (Montana de Oro)		Yes	Exploration, drilling, geochemistry	Yes	Geochemical and geological reconnaissance
2	Cannon Mine	Mined 136,000oz. Au, 184,000oz. Ag	Yes	Mining, milling, drilling, exploration	Yes	Mined 31,000oz. Au, 46,000oz. Ag, B-Reef purchased from Tenneco Mineral Co.
3	Compton					
4	Flume claims					
5	Garmany and others					
6	Gold Basin					
7	Gold Bond					
8	Gold Ring property					
9	Holden mine		Yes	Exploration	Yes	Mapping, sampling
10	Horse Lake				Yes	Drilling, returned property to lessor
11	Howe-Sound tailings					
12	Jeep claims					
13	Lake claims					
14	L-D, B-reef, Canyon No. 2			Sold royalty to Echo Bay Mines	Yes	Drilling; sold to Asamera in September
15	Lovitt mine	Drilling and sampling	Yes	Exploration, drilling		
16	Matthews					
17	Miners Basin					
18	Nason Ridge					
19	Noid					
20	Payday Group, Welcome Nugget Pl	Exploration				
21	Radio claims					
22	Raven Group					
23	Sears Creek					
24	Sec. 36 lease					
25	Simon					
26	Skyline					
27	Spring claims					
28	Trail claims					
29	Wallace					
30	Wenatchee Gold				Yes	Drilling program
31	Wenatchee Gold Belt Project				Yes	Drilling
32	Wenatchee Heights					
33	Wenatchee silica quarry		Yes	Producing backfill for Cannon mine	Yes	Mining
34	Woodworth KP				Yes	Geochemistry
35	Twin River Quarry	Mined 100,000tons	Yes	Mining	Yes	Mined 120,000tons clay
36	Castle Rock Quarry					
37	Coulee Chief					
38	Volcanic mine					
39	Volcanic and Rock Top Deposits					
40	Black Hawk					
41	California					
42	Copper Lakes					
43	Copper Mountain					
44	Cuban					
45	Curlew					
46	Empire Creek	Drilling, sampling				
47	Ferguson Ranch					
48	Gib claims					
49	Gold Dike/Gold Hill	Mining	Yes	Exploration	Yes	Leaching of 50,000 tons
50	Gold Fields Mining Corp.					
51	Gold Mountain		Yes	Exploration, drilling, mine development	Yes	Heap leaching in progress
52	Golden Eagle					

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Location	Assumed Section	Latitude (calculated)	Longitude (calculated)	County	First Commodity	All Commodities
53	Golden Harvest	numerous sections, 36N, 32E	22	48.6051	-118.7924	Ferry	Au	Au
54	Goosmus Creek	sec. 13, 14, 16, 22-26, 40N, 33E	23	48.9496	-118.6033	Ferry	Au	Au, Cu
55	Graben properties	numerous sections, 36N, 32E	22	48.6051	-118.7924	Ferry	Au	Au
56	Granny	secs. 15-16, 22, 39N, 33E	15	48.8781	-118.6252	Ferry	Au	Au, Ag
57	Graphite Creek	secs. 19-20, 40N, 32E	19	48.9496	-118.8223	Ferry	Au	Au, Ag
58	Hawkeye/Black Hawk	sec. 6, 37N, 34E; sec. 31, 38N, 34E	6	48.7350	-118.5595	Ferry	Au	Au, Ag, Cu, Fe
59	Irish	sec. 15, 40N, 34E	15	48.9639	-118.4938	Ferry	Au	Au
60	Iron Mountain	secs. 1, 12, 35N, 33E, secs. 5-8, 35N, 34E	7	48.5469	-118.5965	Ferry	Au	Au, Ag
61	K-2	sec. 20, 39N, 33E	20	48.8638	-118.6690	Ferry	Au	Au, Ag
62	Kellogg	sec. 16, 37N, 33E	16	48.7064	-118.6471	Ferry	Au	Au, Ag
63	Kelly Camp	sec. 9, 38N, 32E	9	48.8065	-118.7785	Ferry	Au	Au, W, Cu, Mo
64	Kettle mine	sec. 15, 39N, 33E	15	48.8781	-118.6252	Ferry	Au	Au, Ag
65	Key deposits (Key East)	sec. 18, 37N, 34E	18	48.7064	-118.5595	Ferry	Au	Au, Ag
66	Key West	sec. 7, 37N, 34E	7	48.7207	-118.5595	Ferry	Au	Au, Ag, Cu, Fe
67	Kifer quarry	sec. 2, 36N, 37E	2	48.6492	-118.1146	Ferry	Stone	Stone, decorative
68	Kroupa Ranch	secs. 21, 28, 40N, 32E	28	48.9353	-118.7785	Ferry	Au	Au
69	Lakes	sec. 31, 37N, 34E	31	48.6634	-118.5595	Ferry	Au	Au, Ag
70	Lamefoot	secs. 4, 8, 37N, 33E	8	48.7207	-118.6690	Ferry	Au	Au, Ag
71	Leland	numerous sections, 36-38N, 33-34E	13	48.7064	-118.5814	Ferry	Au	Au, Ag
72	Lone Ranch (LDH claims)	unsurveyed 39N, 35E	22	48.8638	-118.3624	Ferry	Au	Au, Ag
73	Lone Star	sec. 2, 40N, 33E	2	48.9926	-118.6033	Ferry	Au	Au, Cu, Ag
74	Long Alec Creek	secs. 23-28, 35-36, 39N, 41E	26	48.8510	-117.5965	Ferry	Au	Au, Cu
75	Longstreet and Silver Leaf	sec. 36, 32N, 36E	36	48.2297	-118.2086	Ferry	Ag	Ag, Sb, Pb, Zn, Cu, Au
76	Middlefork	sec. 32, 38N, 34E	32	48.7493	-118.5376	Ferry	Au	Au, Ag
77	Mires Creek	sec. 16, 37N, 33E	16	48.7064	-118.6471	Ferry	Au	Au
78	MM claims	secs. 7, 18, 38N, 32E	18	48.7922	-118.8223	Ferry	Au	Au, Ag
79	Morning Star	sec. 16, 40N, 34E	16	48.9639	-118.5157	Ferry	Au	Au, Ag, Cu, W
80	Mount Elizabeth	unknown sections, 38N, 33E	8	48.8065	-118.6690	Ferry	Au	Au, Ag
81	NHC Claims	sec. 29-30, 36N, 33E	30	48.5905	-118.7271	Ferry	Au	Au, Ag
82	O'Brien Creek	sec. 16, 36N, 33E	16	48.6196	-118.6836	Ferry	Au	Au
83	Overlook	sec. 18, 37N, 34E	18	48.7064	-118.5595	Ferry	Au	Au, Ag
84	Oz	secs. 25, 36, 37N, 33E	36	48.6634	-118.5814	Ferry	Au	Au, Ag
85	Queen Elizabeth	sec. 13, 38N, 33E	13	48.7922	-118.5814	Ferry	Au	Au, Ag
86	Republic (Belcher area)	unknown sections, 37N-39N, 33E	10	48.8109	-118.6265	Ferry	Au	Au, Ag
87	Republic Unit	secs. 27, 34-35, 37N, 32E	35	48.6634	-118.7566	Ferry	Au	Au, Ag
88	Republic Unit (Golden Promise)	secs. 27, 34, 35, 37N, 32E	34	48.6634	-118.7566	Ferry	Au	Au, Ag
89	Seattle Mine/Flag Hill	secs. 33-34, 37N, 32E	33	48.6634	-118.7785	Ferry	Au	Au, Ag
90	Several properties	secs. 28-29, 40N, 34E	29	48.9353	-118.5376	Ferry	Au	Au, Ag
91	Shamrock	secs. 26-27, 34-35, 31N, 33E	34	48.1425	-118.6404	Ferry	Ag	Ag, Au, Pb, Zn, Cu, Ni
92	Snow Peak	secs. 13-15, 22-24, 26-27, 33-34, 40N, 33E, secs	23	48.9496	-118.6033	Ferry	Au	Au, Ag
93	South Penn	secs. 27-28, 37N, 32E	28	48.6777	-118.7785	Ferry	Au	Au, Ag
94	Talisman	sec. 10, 40N, 36E	10	48.9782	-118.2310	Ferry	Au	Au, Ag, Cu, W
95	Unnamed (Boise Cascade Corp.)	sec. 1, 36N, 32E	1	48.6487	-118.7489	Ferry	Au	Au, Ag
96	Valley mine	sec. 6, 37N, 33E	6	48.7350	-118.6909	Ferry	Au	Au, Ag
97	Wardlaw	sec. 4, 37N, 33E	4	48.7350	-118.6471	Ferry	Au	Au, Ag
98	Wheaton Ranch	unknown sections, 39N, 33E	22	48.8638	-118.6252	Ferry	Au	Au, Ag

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Operator /Owner	Deposit setting or type	Activity 1997
53	Golden Harvest	Santa Fe Pacific Mining/Pathfinder Gold	Skarn and epithermal mineralization in metavolcanic rocks	
54	Goosmus Creek	Orvana Resources Corp.	Skarn, replacement, and stockwork mineralization in Permian-Triassic rocks	
55	Graben properties	Pathfinder Gold Corp.	Skarn and epithermal mineralization in metavolcanic rocks	
56	Granny	Crown Resources/Gold Texas Resources/Echo Bay Exploration	Hydrothermal	
57	Graphite Creek	Echo Bay Exploration Inc.	Epithermal Au, Ag	
58	Hawkeye/Black Hawk	Echo Bay Exploration Inc.	Au-Fe skarn	
59	Irish	Johnson Explosives	Alkalic Au porphyry(?)	
60	Iron Mountain	Gold Fields Mining Corp.	Replacement mineralization in metasedimentary-metavolcanic rocks	
61	K-2	Echo Bay, Crown Resources Corp./Pathfinder Gold Corp.	Epithermal deposit in Eocene Sanpoil Volcanics	Yes
62	Kellogg	Placer Dome/Equinox Resources	Metamorphosed sedimentary rocks	
63	Kelly Camp	Atlas Mine and Mill Supply Inc.	Metamorphosed roof rocks in quartz monzonite	
64	Kettle mine	Echo Bay Minerals Co./ Crown Resources Corp.	Epithermal veins beneath sinter zone	
65	Key deposits (Key East)	Echo Bay Minerals Co./ Crown Resources Corp.	Gold mineralization associated with iron replacement	
66	Key West	Echo Bay Minerals Co.	Iron-gold mineralization in contact metamorphosed, Permian-Triassic rocks	
67	Kifer quarry	Raymond Fosback Masonry	Micaceous quartzite of Kettle metamorphic core complex	
68	Kroupa Ranch	Echo Bay Minerals Co.	Gold mineralization in Eocene volcanoclastic and sedimentary rocks	Yes
69	Lakes	Echo Bay Minerals Co./ Crown Resources Corp.	Metamorphosed sedimentary rocks	
70	Lamefoot	Echo Bay Exploration Inc.	Massive iron exhalative/replacement (Au-Fe skarn) mineralization in Permian metasedimentary rocks	Yes
71	Leland	Echo Bay Minerals/Inland Gold and Silver/N.A. Degerstrom/Pegasus G	Metamorphosed sedimentary rocks	
72	Lone Ranch (LDH claims)	Platoro, Cyprus Minerals Co., Suncoast Petroleum	Permian sedimentary exhalative Au	
73	Lone Star	BPG Resources, Inc., Wilbur Hallauer, Kennecott Corp., Azure Resour	Greenstone, graywacke, argillite and limestone	
74	Long Alec Creek	Orvana Resources Corp.	Porphyry and stockwork gold and copper in Eocene rocks	
75	Longstreet and Silver Leaf	Colville Confederated Tribes	Vein and disseminated mineralization in metasedimentary rocks and granite to granodiorite	
76	Middlefork	Echo Bay Minerals Co./ Crown Resources Corp.	Metamorphosed sedimentary rocks	
77	Mires Creek	Echo Bay Minerals Co.	Mineralization in iron replacement skarn in sedimentary rocks	Yes
78	MM claims	Westmont Mining Inc.	Hydrothermal	
79	Morning Star	Echo Bay, Morse Brothers/Morning Star Mines Inc.	Volcanogenic massive sulfide in Mesozoic accreted terrane rocks	Yes
80	Mount Elizabeth	Crown Resources Corp.	Eocene volcanics	
81	NHC Claims	Newmont Exploration	No data	
82	O'Brien Creek	Orvana Resources Corp.	Epithermal mineralization in Eocene Sanpoil Volcanics	
83	Overlook	Echo Bay Minerals Co./ Crown Resources Corp.	Au-Fe skarn/exhalative/stockwork	
84	Oz	Echo Bay Exploration Inc.	Hydrothermal	
85	Queen Elizabeth	Crown Resources, Gold Texas Resources Ltd.	Epithermal gold-bearing quartz veins in Sanpoil Volcanics	
86	Republic (Belcher area)	Placer Dome/Equinox Resources	Metamorphosed sedimentary rocks	
87	Republic Unit	Hecla Mining, Santa Fe Pacific Gold	Epithermal gold veins	
88	Republic Unit (Golden Promise)	Hecla Mining Co.	Epithermal veins in dacite, andesitic flows, tuffs and breccias of Sanpoil Volcanics	
89	Seattle Mine/Flag Hill	Seattle mine Partnership/Sunshine Valley Minerals, Inc., Crown Resources, Glamis Gold Ltd.	Epithermal deposit in Eocene Sanpoil Volcanics	
90	Several properties	Canorex International Inc.	Hydrothermal	
91	Shamrock	Colville Confederated Tribes	Vein and disseminated mineralization in metasedimentary and rhyodacite	
92	Snow Peak	Phelps Dodge Corp.	Replacement deposits in greenstones	
93	South Penn	Crown Resources/Sutton Resources	Epithermal Au, Ag	
94	Talisman	Silver Hill Mines Inc.	Hydrothermal	
95	Unnamed (Boise Cascade Corp.)	Boise Cascade Corp.	No data	
96	Valley mine	High Country Mining	Hydrothermal	
97	Wardlaw	Placer Dome/Equinox Resources	Metamorphosed sedimentary rocks	
98	Wheaton Ranch	U.S. Borax & Chemical Corp.	Hydrothermal	

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1997	Activity		
			1996	Activity type 1996	Activity 1995
53	Golden Harvest				
54	Goosmus Creek				
55	Graben properties				
56	Granny				
57	Graphite Creek				Yes
58	Hawkeye/Black Hawk		Yes	Drilled 2 holes Maintained or undergoing reclamation activities but where no active mining or exploration.	Yes
59	Irish		Yes		Yes
60	Iron Mountain				
61	K-2	Mined 44,000 oz. Au from 224,000 tons ore	Yes	Underground development, shipped about 62,500 tons of ore to the mill near the Overlook mine site. Exploration around mine site included 20,000 ft. of drilling.	Yes
62	Kellogg				
63	Kelly Camp				
64	Kettle mine				
65	Key deposits (Key East)				
66	Key West				
67	Kifer quarry				
68	Kroupa Ranch	Drilling			
69	Lakes				
70	Lamefoot	Mined 107,000 oz. Au from 540,000 tons ore	Yes	Produced 522,300 tons of ore that was processed at the mill near the Overlook mine site.	Yes
71	Leland				
72	Lone Ranch (LDH claims)				Yes
73	Lone Star				
74	Long Alec Creek				
75	Longstreet and Silver Leaf				
76	Middlefork				
77	Mires Creek	Drilling			
78	MM claims				
79	Morning Star	Drilling	Yes	Drilled 3 core holes	Yes
80	Mount Elizabeth				
81	NHC Claims				
82	O'Brien Creek				
83	Overlook				Yes
84	Oz				
85	Queen Elizabeth				
86	Republic (Belcher area)				
87	Republic Unit				Yes
88	Republic Unit (Golden Promise)				Yes
89	Seattle Mine/Flag Hill				
90	Several properties				
91	Shamrock				
92	Snow Peak				
93	South Penn				Yes
94	Talisman				
95	Unnamed (Boise Cascade Corp.)				
96	Valley mine				
97	Wardlaw				
98	Wheaton Ranch				

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1995	Activity 1994	Activity type 1994	Activity 1993
53	Golden Harvest				Yes
54	Goosmus Creek				
55	Graben properties				
56	Granny				
57	Graphite Creek	Drilling, relinquish property			
58	Hawkeye/Black Hawk	Geophysics, drilling			
59	Irish	Maintain property	Yes	Drilling	Yes
60	Iron Mountain				
61	K-2	Underground exploration	Yes	Baseline studies and drilling	Yes
62	Kellogg				
63	Kelly Camp				
64	Kettle mine				
65	Key deposits (Key East)		Yes	Mined a small reserve by underground methods from Key west pit	Yes
66	Key West				
67	Kifer quarry		Yes	Mining	Yes
68	Kroupa Ranch				
69	Lakes				
70	Lamefoot	Underground mining	Yes	Commenced mining in December	Yes
71	Leland				
72	Lone Ranch (LDH claims)	Maintain property	Yes	Obtained property, staked additional claims	Yes
73	Lone Star		Yes	Maintained property, awaiting exploration permits	Yes
74	Long Alec Creek				
75	Longstreet and Silver Leaf				Yes
76	Middlefork				
77	Mires Creek				
78	MM claims				
79	Morning Star	Geophysics, geochemistry, drilling	Yes	Geophysics, drilling	Yes
80	Mount Elizabeth				
81	NHC Claims				
82	O'Brien Creek				
83	Overlook	Complete underground mining	Yes	Underground mining	Yes
84	Oz				
85	Queen Elizabeth				
86	Republic (Belcher area)			Mining and milling scheduled to end in early 1995 as ore reserves of the Golden Promise deposit are depleted, exploring on other company properties	Yes
87	Republic Unit	Signed JV with Santa Fe Pacific Gold	Yes		Yes
88	Republic Unit (Golden Promise)	Mining and milling ended as reserve depleted	Yes	Mining to end in 1995 Produced from several faces in the old mine; ore processed at Bow mill in Greenwood, BC; concentrate sent to Cominco smelter in Trail, BC	Yes
89	Seattle Mine/Flag Hill		Yes		Yes
90	Several properties				
91	Shamrock				Yes
92	Snow Peak				
93	South Penn	Maintain property	Yes	Exploration on company-controlled properties	
94	Talisman				
95	Unnamed (Boise Cascade Corp.)				
96	Valley mine				
97	Wardlaw				Yes
98	Wheaton Ranch				



Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1993	Activity 1992	Activity type 1992	Activity 1991	Activity type 1991	Activity 1990
53	Golden Harvest	Geologic mapping, geochemistry , drilling	Yes	Geologic mapping, geochemistry, geophysics, drilling			
54	Goosmus Creek		Yes	Geologic mapping, geochemistry			
55	Graben properties	Seeking partner					
56	Granny						
57	Graphite Creek						
58	Hawkeye/Black Hawk						
59	Irish	Trenching, geochemistry	Yes	Exploration, geochemistry	Yes	Exploration, geochemistry	Yes
60	Iron Mountain				Yes	Drilling	
61	K-2	Baseline studies, drilling	Yes	Drilling, evaluation	Yes	Drilling, evaluation	
62	Kellogg				Yes	Drilling	
63	Kelly Camp		Yes	Geologic mapping, geochemistry, geophysics, drilling	Yes	Exploration	Yes
64	Kettle mine		Yes	Mining	Yes	Mining	Yes
65	Key deposits (Key East)	Mining completed, ore stockpiled, drilling	Yes	Permits obtained, stripping land for mining	Yes	Permitting	
66	Key West				Yes	Permitting	
67	Kifer quarry	Mining	Yes	Mining			
68	Kroupa Ranch						
69	Lakes				Yes	Drilling	Yes
70	Lamefoot	Underground development, drilling	Yes	Driving exploration drift	Yes	Drilling, exploration, evaluation	Yes
71	Leland			Dropped property	Yes	Geologic mapping, geochemistry , geophysics, trenching, drilling	Yes
72	Lone Ranch (LDH claims)	Maintained a portion of property					Yes
73	Lone Star	Obtained property, applied for exploration permits	Yes	Dewatering, sampling	Yes	Drilling	Yes
74	Long Alec Creek		Yes	Reconnaissance exploration, suction dredge sampling			
75	Longstreet and Silver Leaf	Geologic mapping, geochemistry					
76	Middlefork				Yes	Drilling	Yes
77	Mires Creek						
78	MM claims						
79	Morning Star	Geologic mapping, geophysics	Yes	Drilling, sampling	Yes	Sampling, drilling	Yes
80	Mount Elizabeth				Yes	Exploration	Yes
81	NHC Claims						
82	O'Brien Creek		Yes	Exploration			
83	Overlook	Exploration drilling	Yes	Mining	Yes	Mining	Yes
84	Oz						Yes
85	Queen Elizabeth						
86	Republic (Belcher area)	Maintained property	Yes	Exploration	Yes	Exploration	
87	Republic Unit	Mining, milling, underground exploration and development	Yes	Mining, exploration, and drilling	Yes	Mining, exploration drifts, drilling	Yes
88	Republic Unit (Golden Promise)						
89	Seattle Mine/Flag Hill	Dewatering shaft	Yes	Exploration	Yes	Exploration	Yes
90	Several properties						
91	Shamrock	Geologic mapping, geophysics, geochemistry					
92	Snow Peak		Yes	Exploration	Yes	Drilling, geophysics, geochemistry , geologic mapping	
93	South Penn		Yes	Exploration	Yes	Exploration	Yes
94	Talisman						Yes
95	Unnamed (Boise Cascade Corp.)						
96	Valley mine						
97	Wardlaw	Maintained property	Yes	Drilling	Yes	Drilling	
98	Wheaton Ranch						

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1990	Activity 1989	Activity type 1989	Activity 1988	Activity type 1988	Activity 1987
53	Golden Harvest						
54	Goosmus Creek						
55	Graben properties						
56	Granny						
57	Graphite Creek						
58	Hawkeye/Black Hawk						
59	Irish	Exploration, geochemistry	Yes	Trenching	Yes	Exploration	
60	Iron Mountain						
61	K-2		Yes	U.S. Borax drilling			
62	Kellogg		Yes	Mapping, geophysics, drilling			
63	Kelly Camp	Exploration	Yes	Exploration			
64	Kettle mine	Mined 30,000tons, ore	Yes	Mine development	Yes	Drifting, underground drilling, announce production plans	Yes
65	Key deposits (Key East)				Yes	Drilling, go into production soon	Yes
66	Key West						
67	Kifer quarry						
68	Kroupa Ranch						
69	Lakes	Drilling					
70	Lamefoot	Drilling, exploration					
71	Leland	Drilling, exploration	Yes	Mapping, geophysics, drilling	Yes	Drilling, exploration	Yes
72	Lone Ranch (LDH claims)	Exploration	Yes	Exploration	Yes	Exploration, claim staking	Yes
73	Lone Star	Drilling	Yes	Drilling	Yes	Drilling	
74	Long Alec Creek						
75	Longstreet and Silver Leaf						
76	Middlefork	Drilling					
77	Mires Creek						
78	MM claims		Yes	Exploration, drilling			
79	Morning Star	Drilling, trenching	Yes	Sampling, drilling	Yes	Mine rehabilitation	Yes
80	Mount Elizabeth	Drilling, exploration	Yes	Signed JV agreement			
81	NHC Claims				Yes	Exploration, claim staking	
82	O'Brien Creek						
83	Overlook	Mined 500,000 tons, milled 100,000ozs. gold	Yes	Mine development	Yes	Drilling, EIS complete	Yes
84	Oz	Drilling					
85	Queen Elizabeth				Yes	Drilling, geologic mapping	
86	Republic (Belcher area)						
87	Republic Unit	Mining; produced 78,000ozs. gold	Yes	Mined 72,000oz. Au	Yes	Mining, drilling; produced 70,000 ozs gold, 290,000 ozs silver	Yes
88	Republic Unit (Golden Promise)						
89	Seattle Mine/Flag Hill	Exploration	Yes	Exploration drifting, surface drilling	Yes	Drilling, exploration	
90	Several properties						
91	Shamrock						
92	Snow Peak						
93	South Penn	Exploration	Yes	Exploration	Yes	Drilling, reclamation	Yes
94	Talisman	Exploration					
95	Unnamed (Boise Cascade Corp.)		Yes	Drilling, trenching			
96	Valley mine				Yes	Drilling, underground development	Yes
97	Wardlaw						
98	Wheaton Ranch		Yes	Held Property	Yes	Drilling 2 core holes	

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1987	Activity 1986	Activity type 1986	Activity 1985	Activity type 1985
53	Golden Harvest					
54	Goosmus Creek					
55	Graben properties					
56	Granny		Yes	Drilling	Yes	Drilling
57	Graphite Creek					
58	Hawkeye/Black Hawk					
59	Irish					
60	Iron Mountain					
61	K-2					
62	Kellogg					
63	Kelly Camp					
64	Kettle mine	Surface and underground drilling; construct decline				
65	Key deposits (Key East)	Drilling	Yes	Exploration, drilling, geochemistry, geophysics		
66	Key West					
67	Kifer quarry					
68	Kroupa Ranch					
69	Lakes					
70	Lamefoot					
71	Leland	Reconnaissance				
72	Lone Ranch (LDH claims)	Drilling			Yes	Drilling
73	Lone Star				Yes	Drilling
74	Long Alec Creek					
75	Longstreet and Silver Leaf					
76	Middlefork					
77	Mires Creek					
78	MM claims					
79	Morning Star	Mapping, sampling				
80	Mount Elizabeth					
81	NHC Claims					
82	O'Brien Creek					
83	Overlook	Drilling				
84	Oz					
85	Queen Elizabeth					
86	Republic (Belcher area)					
87	Republic Unit	Mined 70,000oz. Au	Yes	Exploration, drilling, mining, milling	Yes	Mined 61,000 tons averaging .65 oz/ton Au
88	Republic Unit (Golden Promise)					
89	Seattle Mine/Flag Hill		Yes	Trying to refinance	Yes	Exploration
90	Several properties				Yes	Exploration
91	Shamrock					
92	Snow Peak					
93	South Penn	Mined 33,000 tons ore	Yes	Heap leach testing	Yes	Heap leach testing
94	Talisman					
95	Unnamed (Boise Cascade Corp.)					
96	Valley mine	Mining, milling	Yes	Mining, milling		
97	Wardlaw					
98	Wheaton Ranch					

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Location	Assumed Section	Latitude (calculated)	Longitude (calculated)	County	First Commodity	All Commodities
99	Zala-M	sec. 30, 38N, 32E	30	48.7636	-118.8223	Ferry	Au	Au, Ag
100	Manhattan Mountain	sec. 7, 18, 38N, 32E	18	48.7922	-118.8223	Ferry, Okanogan	Au	Au, Ag, Cu, Pb, Zn, talc
101	Celite diatomite	sec. 3, 17N, 23E	3	46.9932	-119.9284	Grant	Diatomite	Diatomite
102	Rock Top #2	sec. 20, 22N, 26E	20	47.3844	-119.5871	Grant	Clay	Clay
103	Sec. 11 pit	sec. 11, 17N, 23E	11	46.9785	-119.9071	Grant	Diatomite	Diatomite
104	Sec. 17 pit	sec. 17, 18N, 23E	17	47.0518	-119.9710	Grant	Diatomite	Diatomite
105	Sec. 3/10 pit	secs. 3, 10, 17N, 23E	10	46.9785	-119.9284	Grant	Diatomite	Diatomite
106	Sec. 7 pit	sec. 7, 17N, 24E	7	46.9785	-119.8645	Grant	Diatomite	Diatomite
107	Sec. 8 pit	sec. 8, 17N, 24E	8	46.9785	-119.8432	Grant	Diatomite	Diatomite
108	Unnamed clay pit	sec. 7, 17N, 8W	7	46.9748	-123.7256	Grays Harbor	Clay	Clay
109	Apex & Damon	sec. 34, 26N, 10E	34	47.6991	-121.5062	King	Au	Au, Ag, Cu, Pb
110	Blum	sec. 31, 21N, 7E	31	47.2647	-121.9635	King	Clay	Clay
111	Cleopatra mine	sec. 24, 25N, 10E	24	47.6409	-121.4635	King	Ag	Ag
112	Coney Basin	secs. 13-14, 25N, 10E	14	47.6554	-121.4849	King	Au	Au, Ag
113	Dutch Miller	sec. 20, 24N, 13E	20	47.5552	-121.2404	King	Cu	Cu, Au, Ag
114	El Watusi	sec. 28, 23N, 19E	28	47.4574	-120.4653	King	Au	Au, Ag
115	Elk pit	sec. 34, 22N, 7E	34	47.3520	-121.8998	King	Shale	Shale
116	Harris/Blum	sec. 32, 24N, 6E	32	47.5266	-122.0695	King	Clay	Clay
117	John Henry #1	sec. 12, 21N, 6E	12	47.3229	-121.9847	King	Clay	Clay; Coal, subbituminous
118	Lennox group	secs. 7, 17-18, 25N, 10E	18	47.6554	-121.5704	King	Au	Au, Ag, Cu
119	Newcastle	sec. 31, 24N, 6E	31	47.5266	-122.0907	King	Clay	Clay
120	Pinnacle-Cedar Mtn	sec. 29, 23N, 6E	29	47.4539	-122.0695	King	Sandstone	Sandstone, expandable shal
121	Ravensdale pit	sec. 1, 21N, 6E	1	47.3375	-121.9847	King	Silica	Silica
122	Sec. 31 pit	sec. 31, 24N, 6E	31	47.5266	-122.0907	King	Shale	Shale
123	Spruce claim	secs. 29-30, 24N, 11E	30	47.5412	-121.4544	King	Crystals	Crystals
124	Superior quarry	sec. 1, 19N, 7E	1	47.1633	-121.8600	King	Silica	Silica
125	Surprise Valley	unknown section, 17N, 5E	16	46.9598	-122.1765	King	Au	Au, Ag
126	Weyerhaeuser (unnamed)	sec. 7, 12, 19, 20N, 7E	7	47.2360	-121.9655	King	Au	Au, Ag
127	White River	sec. 6, 19N, 8E	6	47.1633	-121.8389	King, Pierce,	Au	Au
128	Weyerhaeuser Properties	Cascades area (estimated)	7	47.2375	-121.9600	Thurston	Au	Au, Ag, Cu, Mo, Pb, Zn, clay,
129	Newberry Hill peat	sec. 6, 24N, 1W	6	47.5994	-122.8543	Kitsap	Peat	Peat
130	G & G Placer	sec. 3, 20N, 17E	3	47.2572	-120.6948	Kittitas	Au	Au placer
131	Liberty	secs. 1-2, 20N, 17E	2	47.2572	-120.6736	Kittitas	Au	Au, Ag
132	Liberty	secs. 3-5, 20N, 17E	4	47.2572	-120.7161	Kittitas	Au	Au, Ag
133	Liberty	numerous sections, 21N, 17-18E	19	47.3032	-120.6388	Kittitas	Au	Au
134	Liberty	secs. 10-11, 20N, 17E	10	47.2426	-120.6948	Kittitas	Au	Au placer
135	Lower Taneum, Lucky Gulch claims	sec. 25, 19N, 15E	25	47.1105	-120.9077	Kittitas	Au	Au, Ag
136	Maverick	sec. 30, 21N, 17E	30	47.2818	-120.7553	Kittitas	Au	Au, Ag
137	September Morn	sec. 10, 20N, 17E	10	47.2426	-120.6948	Kittitas	Au	Au, Ag placer
138	Shale pit	sec. 10, 17N, 20E	10	46.9785	-120.3116	Kittitas	Clay	Clay
139	South Fork claims	sec. 24, 19N, 15E	24	47.1252	-120.9077	Kittitas	Au	Au, Ag
140	Three Crosses	secs. 25-26, 23N, 14E	26	47.4545	-121.0506	Kittitas	Cu	Cu, Au, Ag
141	TM	secs. 21, 28-29, 32-33, 21N, 18E	28	47.2818	-120.5866	Kittitas	Au	Au, Ag
142	Williams Creek	secs. 1-2, 20N, 17E	2	47.2572	-120.6736	Kittitas	Au	Au, Ag placer
143	Centralia mine	not available				Lewis	Coal	Coal, subbituminous
144	Blue Silver quarry	sec. 21, 28N, 36E	21	47.9101	-118.2790	Lincoln	Dolomite	Dolomite
145	Crystal City	sec. 21, 28N, 36E	21	47.9101	-118.2790	Lincoln	Dolomite	Dolomite
146	Crystal mine	sec. 21, 28N, 36E	21	47.9101	-118.2790	Lincoln	Ag	Ag, Pb, W, marble
147	Junction Reef Gold	sec. 9, 24N, 39E	9	47.5887	-117.8949	Lincoln	Au	Au, Ag
148	Aeneas Valley	sec. 8, 35N, 31E	8	48.5469	-118.9666	Okanogan	Au	Au, Ag, Cu, Si
149	Agency Butte	secs. 31-32, 31N, 31E	31	48.1425	-118.9643	Okanogan	Au	Au, Ag
150	Agency Trend	numerous sections, 31-33N, 31-32E	17	48.1797	-118.8116	Okanogan	Au	Au, Ag

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Operator /Owner	Deposit setting or type	Activity 1997
99	Zala-M	Silver Bell Inc.	Hydrothermal	
100	Manhattan Mountain	Westmont Gold Inc., Equinox Resources	Epithermal gold veins	
101	Celite diatomite	Celite Corp.	Miocene Quincy diatomite bed at base of Priest Rapids basalt flow	Yes
102	Rock Top #2	Basic Resources Corp.	Clays interbedded within Columbia River Basalt Group	
103	Sec. 11 pit	Celite Corp.	Lake deposits of diatomite interbedded in Columbia River Basalt	Yes
104	Sec. 17 pit	Celite Corp.	Lake deposits of diatomite interbedded in Columbia River Basalt	Yes
105	Sec. 3/10 pit	Celite Corp., Witco Corp.	Lake deposits of diatomite interbedded in Columbia River Basalt	Yes
106	Sec. 7 pit	Celite Corp., Witco Corp.	Lake deposits of diatomite interbedded in Columbia River Basalt	Yes
107	Sec. 8 pit	Celite Corp., Witco Corp.	Lake deposits of diatomite interbedded in Columbia River Basalt	Yes
108	Unnamed clay pit	Aberdeen Sanitation	Marine sedimentary rocks of Astoria formation	
109	Apex & Damon	CSS Management Corp.	Quartz veins in granodiorite of Miocene Snoqualmie batholith	Yes
110	Blum	North American Refractories Co.	Clay	
111	Cleopatra mine	Mariposa Resources Inc.	Hydrothermal	
112	Coney Basin	Mariposa Resources Inc., Terra Alta Mining Co.	Hydrothermal	
113	Dutch Miller	Mine Evaluation Inc.	Hydrothermal	
114	El Watusi	Cannon Minerals	Gold-bearing veins in intrusive rocks	
115	Elk pit	Mutual Materials Co.	Illite and kaolinite-bearing shale	Yes
116	Harris/Blum	North American Refractories Co.	Clay	
117	John Henry #1	Pacific Coast Coal Co.	Silty clay with coal deposits	Yes
118	Lennox group	Joel Ray	Mineralization in shear zone	
119	Newcastle	Mutual Materials Co.	Clay	
120	Pinnacle-Cedar Mtn	Alberg and Associates, Inc.	Upper Eocene Renton Formation of the Puget Group	
121	Ravensdale pit	Reserve Silica Corp., Industrial Mineral Products Inc.	Sandstone	Yes
122	Sec. 31 pit	Mutual Materials Co.	Shale of Eocene Puget Group	Yes
123	Spruce claim	Robert Jackson	Quartz and Pyrite crystals	Yes
124	Superior quarry	Ash Grove Cement Co.	Silica cap in altered andesite	Yes
125	Surprise Valley	Rampart Ventures Inc.	No data	
126	Weyerhaeuser (unnamed)	Weyerhaeuser Co.	No data	
127	White River	Cannon Minerals	Hydrothermal	
128	Weyerhaeuser Properties	Weyerhaeuser Co.	Various types of hydrothermal mineralization and industrial minerals	Yes
129	Newberry Hill peat	Asbury's Topsoil	Sphagnum moss and clay used as topsoil product	
130	G & G Placer	G&G	Placer	
131	Liberty	Crown Resources Corp.	Placer and epithermal gold	
132	Liberty	Battle Mountain Gold Corp.	Placer and epithermal gold	
133	Liberty	American Copper and Nickel Co.	Placer and epithermal gold	
134	Liberty	MMC Resources	Placer and epithermal gold	
135	Lower Taneum, Lucky Gulch claims	South Fork Ltd.	Hydrothermal	
136	Maverick	Wallace Corbley	Gold-quartz veins in Eocene Swauk Formation	Yes
137	September Morn	Ron Kilmer	Placer deposit	Yes
138	Shale pit	Western Resources Company	Continental sedimentary deposits	
139	South Fork claims	Taneum Investors Group	Hydrothermal	
140	Three Crosses	Art Baydo	Mineralization in diabase and gabbro of Ingalls Complex	Yes
141	TM	Althouse Placers Inc.	Hydrothermal	
142	Williams Creek	Goodfellow Construction	Placer deposit	Yes
143	Centralia mine	Centralia Mining Co.	Coal beds in Eocene Skookumchuck Formation	Yes
144	Blue Silver quarry	New lessee, Blue Silver Mining	Dolomite	
145	Crystal City	Blue Silver Mining	Dolomite	
146	Crystal mine	Charles M. Shaw	Hydrothermal	
147	Junction Reef Gold	Rexcon Inc.	Hydrothermal	
148	Aeneas Valley	Sunshine Valley Minerals Inc.	Possible gold skarn mineralization associated with quartz in Permian(?) rocks	Yes
149	Agency Butte	Santa Fe Pacific Gold Corp./Colville Confederated Tribes, Kennecott	Epithermal mineralization	
150	Agency Trend	Colville Confederated Tribes	Epithermal mineralization in volcanics and granitics	

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1997	Activity 1996	Activity type 1996	Activity 1995
99	Zala-M				
100	Manhattan Mountain				
101	Celite diatomite	Mined 195,000 tons	Yes	Mined 100,000 tons	
102	Rock Top #2				
103	Sec. 11 pit	Mined 105,000 tons (total from all sites)			Yes
104	Sec. 17 pit	Mined 105,000 tons (total from all sites)			Yes
105	Sec. 3/10 pit	Mined 105,000 tons ore (total from all sites)	Yes	Mined over 100,000 tons of ore and produced about 65,000 tons of finished diatomite	Yes
106	Sec. 7 pit	Mined 105,000 tons ore (total from all sites)			Yes
107	Sec. 8 pit	Mined 105,000 tons ore (total from all sites)			
108	Unnamed clay pit			Maintained or undergoing reclamation activities but where no active mining or exploration.	
109	Apex & Damon	Maintained property	Yes		Yes
110	Blum				
111	Cleopatra mine				
112	Coney Basin				
113	Dutch Miller				
114	El Watusi				
115	Elk pit	Mined 8,000 tons shale	Yes	Mined 13,000 tons to produce brick.	Yes
116	Harris/Blum				
117	John Henry #1	Mined 61,000 tons clay; Produced 68,500 tons of coal	Yes	Mined over 60,000 tons of clay that was shipped to Ash Grove Cement Co.	Yes
118	Lennox group				
119	Newcastle				
120	Pinnacle-Cedar Mtn				
121	Ravensdale pit	Mined 70,000 tons silica	Yes	Mined and washed 70,000 tons.	Yes
122	Sec. 31 pit	Mined 50,000 tons shale	Yes	Mined 65,000 tons to produce bricks.	Yes
123	Spruce claim	Extracting minerals and specimens	Yes	Extracting mineral and crystal specimens.	Yes
124	Superior quarry	Mined 130,000 tons silica	Yes	Exploration drilling and development , no production.	Yes
125	Surprise Valley				
126	Weyerhaeuser (unnamed)				
127	White River				
128	Weyerhaeuser Properties	Maintained property	Yes	Maintained or undergoing reclamation activities but where no active mining or exploration.	Yes
129	Newberry Hill peat				
130	G & G Placer				
131	Liberty				
132	Liberty				
133	Liberty				
134	Liberty				
135	Lower Taneum, Lucky Gulch claims				
136	Maverick	Mining	Yes	Maintained or undergoing reclamation activities but where no active mining or exploration.	
137	September Morn	Maintained property	Yes	Seeking permits to placer mine.	
138	Shale pit				
139	South Fork claims				
140	Three Crosses	Drilling	Yes	Drilling	
141	TM				
142	Williams Creek	Maintained property	Yes	Seeking new permits.	
143	Centralia mine	Produced 4,427,650 tons of subbituminous coal, its 27th year			
144	Blue Silver quarry				
145	Crystal City				
146	Crystal mine				
147	Junction Reef Gold				
148	Aeneas Valley	Maintained property	Yes	Maintained or undergoing reclamation activities but where no active mining or exploration.	Yes
149	Agency Butte				
150	Agency Trend				

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1995	Activity 1994	Activity type 1994	Activity 1993
99	Zala-M				
100	Manhattan Mountain		Yes	Maintained property	Yes
101	Celite diatomite				
102	Rock Top #2				Yes
103	Sec. 11 pit	Mine development			
104	Sec. 17 pit	Mining completed, reclamation in progress			
105	Sec. 3/10 pit	Mining, milling, exploration	Yes	Mining, milling	Yes
106	Sec. 7 pit	Mining milling, exploration	Yes	Mining, milling	Yes
107	Sec. 8 pit				Yes
108	Unnamed clay pit			Mining and milling scheduled to end in early 1995 as ore reserves of the Golden Promise deposit are depleted	Yes
109	Apex & Damon	Maintained property, tunnel opening, portal improvements	Yes		
110	Blum				
111	Cleopatra mine				
112	Coney Basin				
113	Dutch Miller				
114	El Watusi				
115	Elk pit	Mining	Yes	Mining	Yes
116	Harris/Blum				
117	John Henry #1	Mining	Yes	Mining	Yes
118	Lennox group				
119	Newcastle				
120	Pinnacle-Cedar Mtn		Yes	Permitting	
121	Ravensdale pit	Mining, washing	Yes	Mining, washing	Yes
122	Sec. 31 pit	Mining	Yes	Mining	Yes
123	Spruce claim	Extracting mineral and crystal specimens	Yes	Mining, guided mineral collecting field trips	Yes
124	Superior quarry	Mining, stockpiling	Yes	Mining, milling	Yes
125	Surprise Valley				
126	Weyerhaeuser (unnamed)				
127	White River				
128	Weyerhaeuser Properties	Evaluation of minerals on company lands	Yes	Evaluation of minerals on company lands	Yes
129	Newberry Hill peat		Yes	Mining	
130	G & G Placer				
131	Liberty				
132	Liberty				
133	Liberty				
134	Liberty				
135	Lower Taneum, Lucky Gulch claims				
136	Maverick				
137	September Morn				
138	Shale pit		Yes	Permitting	
139	South Fork claims				
140	Three Crosses				
141	TM				
142	Williams Creek				
143	Centralia mine				
144	Blue Silver quarry			Idle	Yes
145	Crystal City				
146	Crystal mine				
147	Junction Reef Gold				
148	Aeneas Valley	Maintain property	Yes	Exploration/development	
149	Agency Butte		Yes	Reconnaissance sampling and negotiating	Yes
150	Agency Trend				Yes

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1993	Activity 1992	Activity type 1992	Activity 1991	Activity type 1991	Activity 1990
99	Zala-M						
100	Manhattan Mountain	Maintained a portion of property	Yes	Mapping, trenching, sampling	Yes	Geologic mapping, sampling	Yes
101	Celite diatomite						
102	Rock Top #2	Drilling, trenching	Yes	Development	Yes	Sampling	Yes
103	Sec. 11 pit						
104	Sec. 17 pit						
105	Sec. 3/10 pit	Mining, milling	Yes	Mining, milling	Yes	Mining, milling	Yes
106	Sec. 7 pit	Mining, milling	Yes	Mining, milling	Yes	Mining, milling	Yes
107	Sec. 8 pit	Mining, milling, reclamation	Yes	Mining, milling	Yes	Mining, milling	Yes
108	Unnamed clay pit	Mining					
109	Apex & Damon	Mining and milling	Yes	Mining, mine development	Yes	Milling, mine repair	Yes
110	Blum						
111	Cleopatra mine						
112	Coney Basin						
113	Dutch Miller						Yes
114	El Watusi						
115	Elk pit	Mining	Yes	Mining	Yes	Mining	Yes
116	Harris/Blum						
117	John Henry #1	Mining	Yes	Mining			
118	Lennox group				Yes	Mine development	Yes
119	Newcastle						
120	Pinnacle-Cedar Mtn						
121	Ravensdale pit	Mining, washing	Yes	Mining, washing	Yes	Mining, washing	Yes
122	Sec. 31 pit	Mining	Yes	Mining	Yes	Mining	Yes
123	Spruce claim	Mining, guided tours	Yes	Mining, field trips	Yes	Mining	Yes
124	Superior quarry	Mining, milling	Yes	Mining, milling	Yes	Mining, milling	Yes
125	Surprise Valley						
126	Weyerhaeuser (unnamed)						Yes
127	White River						
128	Weyerhaeuser Properties	Evaluation of minerals	Yes	Inventory and evaluation	Yes	Evaluating properties	Yes
129	Newberry Hill peat						
130	G & G Placer						
131	Liberty						Yes
132	Liberty						Yes
133	Liberty						Yes
134	Liberty						Yes
135	Lower Taneum, Lucky Gulch claims						
136	Maverick						
137	September Morn						
138	Shale pit						
139	South Fork claims						
140	Three Crosses						
141	TM						Yes
142	Williams Creek						
143	Centralia mine						
144	Blue Silver quarry	Mining and milling	Yes	Mining, milling	Yes	Mining, milling	
145	Crystal City						
146	Crystal mine						
147	Junction Reef Gold						
148	Aeneas Valley		Yes	Exploration	Yes	Exploration	
149	Agency Butte	Geologic mapping, geochemistry	Yes	Mapping, geochemistry			
150	Agency Trend	Geologic mapping, geochemistry					



Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1990	Activity 1989	Activity type 1989	Activity 1988	Activity type 1988	Activity 1987
99	Zala-M						
100	Manhattan Mountain	Drilling					
101	Celite diatomite						
102	Rock Top #2	Sampling, testing	Yes	Opened test pits	Yes	Mapping, drilling	Yes
103	Sec. 11 pit						
104	Sec. 17 pit		Yes	Hauled 15,000 tons	Yes	Hauling from stockpile	Yes
105	Sec. 3/10 pit	Mining	Yes	Development	Yes	Mined 350,000 tons	
106	Sec. 7 pit	Mining	Yes	Mined 150,000 tons	Yes	Mining	Yes
107	Sec. 8 pit	Mining	Yes	Hauled 15,000 tons	Yes	Mining	Yes
108	Unnamed clay pit						
109	Apex & Damon	Exploration					
110	Blum		Yes	Hauled 3,500 tons from stockpile			
111	Cleopatra mine						
112	Coney Basin		Yes	Exploration			
113	Dutch Miller	Exploration					
114	El Watusi				Yes	Sampling on veins	
115	Elk pit	Mining	Yes	Mined 5,000 cubic yards	Yes	Mined 28.5,000 tons	
116	Harris/Blum				Yes	Hauled from stockpile	
117	John Henry #1						
118	Lennox group	Mine development	Yes	Removed overburden			
119	Newcastle						
120	Pinnacle-Cedar Mtn						
121	Ravensdale pit	Mining	Yes	Mined 100,000 tons	Yes	Mining, processing	Yes
122	Sec. 31 pit	Mining	Yes	Mined 90,000 cubic yards	Yes	Mined 85,000 tons	
123	Spruce claim	Mining	Yes	Mining			
124	Superior quarry	Shipped from stockpile	Yes	Mined 115,000 tons	Yes	Mined 45,000 tons	Yes
125	Surprise Valley						Yes
126	Weyerhaeuser (unnamed)	Exploration					
127	White River		Yes	Sold lease to Weyerhaeuser; mining and milling	Yes	Geologic mapping and geochemistry	Yes
128	Weyerhaeuser Properties	Exploration	Yes	Mining and crushing on White River property			
129	Newberry Hill peat						
130	G & G Placer						
131	Liberty	Drilling					
132	Liberty	Exploration, geochemistry					
133	Liberty	Drilling					
134	Liberty	Exploration					
135	Lower Taneum, Lucky Gulch claims						
136	Maverick						
137	September Morn						
138	Shale pit						
139	South Fork claims						
140	Three Crosses						
141	TM	Exploration, geophysics	Yes	Exploration			
142	Williams Creek						
143	Centralia mine						
144	Blue Silver quarry						
145	Crystal City		Yes	Development	Yes	Mining	
146	Crystal mine						
147	Junction Reef Gold						
148	Aeneas Valley		Yes	Drilling			
149	Agency Butte						
150	Agency Trend						

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1987	Activity 1986	Activity type 1986	Activity 1985	Activity type 1985
99	Zala-M				Yes	Mapping, sampling, drilling
100	Manhattan Mountain					
101	Celite diatomite					
102	Rock Top #2	Access road	Yes	Building roads		
103	Sec. 11 pit				Yes	Mining
104	Sec. 17 pit	Mining			Yes	Mining
105	Sec. 3/10 pit				Yes	Mined and milled 60,000 tons (total all sites)
106	Sec. 7 pit	Mining and milling			Yes	Mined and milled 60,000 (total all sites)
107	Sec. 8 pit	Mining and milling	Yes	Mining, drilling, exploration	Yes	Mined and milled 60,000 (total all sites)
108	Unnamed clay pit					
109	Apex & Damon		Yes	Mining, milling	Yes	Mined and milled 125 tons
110	Blum				Yes	Mining, exploration
111	Cleopatra mine				Yes	Announced joint venture
112	Coney Basin		Yes	Geophysics	Yes	Exploration
113	Dutch Miller					
114	El Watusi					
115	Elk pit		Yes	Mining	Yes	Mining
116	Harris/Blum					
117	John Henry #1					
118	Lennox group					
119	Newcastle		Yes	Mining	Yes	Mining
120	Pinnacle-Cedar Mtn					
121	Ravensdale pit	Mined 120,000 tons	Yes	Mining, and processing	Yes	Mining, milling
122	Sec. 31 pit					
123	Spruce claim					
124	Superior quarry	Mined 40,000 tons				
125	Surprise Valley	Exploration				
126	Weyerhaeuser (unnamed)					
127	White River	Sampling				
128	Weyerhaeuser Properties					
129	Newberry Hill peat					
130	G & G Placer		Yes	Assessment work		
131	Liberty					
132	Liberty					
133	Liberty					
134	Liberty					
135	Lower Taneum, Lucky Gulch claims				Yes	Exploration
136	Maverick					
137	September Morn					
138	Shale pit					
139	South Fork claims				Yes	Exploration
140	Three Crosses					
141	TM					
142	Williams Creek					
143	Centralia mine					
144	Blue Silver quarry					
145	Crystal City		Yes	Removal of overburden and building of access road		
146	Crystal mine				Yes	Reconnaissance
147	Junction Reef Gold				Yes	Geochemistry , geophysics
148	Aeneas Valley					
149	Agency Butte					
150	Agency Trend					

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Location	Assumed Section	Latitude (calculated)	Longitude (calculated)	County	First Commodity	All Commodities
151	Agro Minerals	sec. 5, 38N, 27E	5	48.8208	-119.4574	Okanogan	Gypsum	Gypsum
152	Alder	secs. 23-26, 35-36, 33N, 21E	26	48.3301	-120.1769	Okanogan	Au	Au, Ag, Cu
153	Alder area	secs. 23-26, 35-36, 33N, 21E	26	48.3301	-120.1769	Okanogan	Au	Au, Ag, Cu, Zn
154	American Flag	Mazama area (estimated)	20	48.6066	-120.3721	Okanogan	Au	Au
155	Billy Goat	sec. 15, 38N, 20E	15	48.7922	-120.3334	Okanogan	Au	Au, Cu, Ag
156	Black Bear	sec. 36, 39N, 25E	36	48.8351	-119.6326	Okanogan	Au	Au, Ag, Cu
157	Blue Lake	secs. 5-6, 39N, 27E	6	48.9067	-119.4793	Okanogan	Au	Au, Ag
158	Bodie mine	sec. 3, 38N, 31E	3	48.8208	-118.8880	Okanogan	Au	Au, Ag
159	Bonaparte Meadows peat	sec. 13, 38N, 30E	13	48.7922	-118.9756	Okanogan	Peat	Peat
160	Brown quarry	sec. 26, 35N, 26E	26	48.5047	-119.5262	Okanogan	Dolomite	Dolomite
161	Cayuse	sec. 23, 38N, 26E	23	48.7779	-119.5231	Okanogan	Au	Au
162	Cecile Creek	sec. 15, 28N, 25E	15	47.9245	-119.6726	Okanogan	Au	Au, Ag
163	Copper World area	secs. 20, 29, 39N, 26E	29	48.8495	-119.5888	Okanogan	Cu	Cu, Au, Ag, Zn
164	Craggy Peak	secs. 26-27, 34-35, 38N, 20E	34	48.7493	-120.3334	Okanogan	Cu	Cu, Au, Ag, Fe
165	Crown Jewel	sec. 24, 40N, 30E	24	48.9496	-118.9756	Okanogan	Au	Au, Ag, Cu, Fe
166	Crown Jewel (exploration project)	secs. 13-14, 23-26, 40N, 30E	23	48.9496	-118.9975	Okanogan	Au	Au, Cu, Ag, Fe
167	Crystal Butte (Crystal)	sec. 35, 40N, 30E	35	48.9210	-118.9975	Okanogan	Au	Au, Ag, Pb, Zn, Cu
168	Four Metals	secs. 22-23, 40N, 25E	22	48.9496	-119.6764	Okanogan	Pb	Pb, Ag, Cu, Zn, W, Mo
169	Golden Zone	sec. 7, 40N, 25E	7	48.9782	-119.7421	Okanogan	Au	Au, Ag
170	Gray Eagle	sec. 16, 40N, 30E	16	48.9639	-119.0413	Okanogan	Au	Au, Ag
171	Hot Lake	secs. 7, 18, 40N, 27E	18	48.9639	-119.4793	Okanogan	Au	Au, Ag
172	Ida	secs. 16, 21, 39N, 31E	21	48.8638	-118.9099	Okanogan	Au	Au, Ag, Cu
173	Ivanhoe	sec. 16, 39N, 25E	16	48.8781	-119.6983	Okanogan	Au	Au
174	Kelsey	secs. 5-8, 40N, 27E	7	48.9782	-119.4793	Okanogan	Cu	Cu, Mo, Ag, Au
175	Key	sec. 31, 36N, 25E	31	48.5775	-119.7431	Okanogan	Au	Au, Ag
176	Lucky Knock	sec. 19, 38N, 27E	19	48.7779	-119.4793	Okanogan	Au	Au, Sb
177	Mazama	sec. 17, 19-20, 36N, 20E	20	48.6066	-120.3721	Okanogan	Au	Au, Cu, Ag
178	Minnie mine	sec. 23, 32N, 22E	23	48.2598	-120.0446	Okanogan	Au	Au, Ag, Cu
179	Molson Gold	numerous sections, 39N, 28E-29E	8	48.8924	-119.1946	Okanogan	Au	Au, Ag
180	Montgomery	sec. 12, 36N, 26E	12	48.6357	-119.5045	Okanogan	Au	Au, Cu, W
181	Okanogan Highgrade	sec. 23, 38N, 26E	23	48.7779	-119.5231	Okanogan	Au	Au, Hg
182	Palmer Mountain	secs. 20-21, 28-29, 39N, 26E	29	48.8495	-119.5888	Okanogan	Cu	Cu, Au, Ag, W, Zn, Fe
183	Parmenter Creek	secs. 1, 12, 32N, 30E	12	48.2878	-118.9859	Okanogan	Au	Au, Ag
184	Poison Lake	secs. 4-5, 38N, 27E	5	48.8208	-119.4574	Okanogan	Gypsite	Gypsite
185	Poland China	sec. 11, 40N, 29E	11	48.9782	-119.1289	Okanogan	Au	Au, Ag
186	Red Shirt	sec. 18, 33N, 23E	18	48.3592	-120.0034	Okanogan	Au	Au, Ag
187	Reed Limestone	sec. 35, 39N, 26E	35	48.8351	-119.5231	Okanogan	Limestone	Limestone
188	Roxy	sec. 25, 39N, 25E	25	48.8495	-119.6326	Okanogan	Au	Au
189	Say Energy	secs. 9-16, 30N, 22E	14	48.0988	-120.0446	Okanogan	Au	Au, Ag, Cu
190	Silver Belle	sec. 25, 38N, 31E	25	48.7636	-118.8442	Okanogan	Au	Au, Ag
191	Smith Canyon	sec. 1, 32N, 21E	1	48.3037	-120.1527	Okanogan	Au	Au, Cu
192	Smith Canyon	secs. 34-35, 32N, 21E; secs. 10-12, 31N, 21E	11	48.2012	-120.1743	Okanogan	Au	Au, Ag, Cu
193	Soderlund #1 & #2	secs. 26-27, 35N, 24E	27	48.5047	-119.8082	Okanogan	Au	Au, Ag, Cu, Mo, Pb, Barite
194	Squaw Mountain	secs. 16-17, 20-21, 31N, 30E	20	48.1716	-119.0722	Okanogan	Au	Au, Ag, Cu, Mo
195	Starr Molybdenum	sec. 8, 16, 37N, 26E	16	48.7064	-119.5669	Okanogan	Mo	Mo, Cu, W, Au
196	Strawberry Creek	sec. 28-33, 33N, 31E; sec. 4-5, 32N, 31E	32	48.3169	-118.9427	Okanogan	Au	Au, Ag
197	Strawberry Lake	secs. 6-9, 17-21, 29-30, 40N, 30E, sec. 24, 40N,	18	48.9639	-119.0851	Okanogan	Au	Au, Ag, Cu

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Operator /Owner	Deposit setting or type	Activity 1997
151	Agro Minerals	Agro Minerals	No data	
152	Alder	ECM Inc	Volcanogenic massive sulfide	
153	Alder area	Pacific Northwest Resources	Replacement and sulfide mineralization in dacitic breccia	
154	American Flag	Quintana Minerals	Copper porphyry	
155	Billy Goat	Sunshine Valley Minerals Inc.	Stockwork in Cretaceous(?) andesite tuff and breccia	Yes
156	Black Bear	Wilbur Hallauer	Veins in felsic to intermediate rocks	
157	Blue Lake	Wilbur Hallauer	Gold anomalies along limestone	Yes
158	Bodie mine	Western Land & Resources	Epithermal gold	
159	Bonaparte Meadows peat	Bonaparte Co.	Hypnum moss in a peat bog	
160	Brown quarry	Pacific Calcium, Inc.	Metadolomite	Yes
161	Cayuse	Northwest Minerals Inc.	Skarn and replacement mineralization	
162	Cecile Creek	Wilbur Hallauer	Hydrothermal	
163	Copper World area	Pacific Northwest Resources	Ore lenses in altered andesite	
164	Craggy Peak	R.E. Kucera	Tourmaline bearing breccia pipes and altered andesite	
165	Crown Jewel	Battle Mountain Gold /Crown Resources	Mineralization of Au-Fe skarn in Permian or Triassic metasedimentary rocks adjacent to Buckhorn Mountain pluton	Yes
166	Crown Jewel (exploration project)	Battle Mountain Gold/Crown Resources	Mineralization in skarn in metasedimentary rocks	
167	Crystal Butte (Crystal)	Keystone Gold Inc.	Skarn in Permian Spectacle Formation	Yes
168	Four Metals	Lovejoy Mining Inc.	Vein near contact with roof pendant	Yes
169	Golden Zone	El Bravo Gold Mining Ltd.	Vein or shear-zone	
170	Gray Eagle	Keystone Gold Inc.	Hydrothermal	
171	Hot Lake	W. Hallauer, Pegasus Gold Corp.	Distal hydrothermal mineralization adjacent to Kelsey porphyry-type deposit	Yes
172	Ida	Crown Resources, Cambior USA, Sundance Mining Development	Epithermal veins in Sanpoil Volcanics and Klondike Mtn. Formation	Yes
173	Ivanhoe	Aviva Resources	Quartz veins in greenstone	
174	Kelsey	W. Hallauer, Weaco Resources	Cu-Mo porphyry mineralization in Jurassic-Cretaceous quartz diorite	Yes
175	Key	Crown Resources/Gold Capital/Sutton Resources/Deep South Petroleum/Gold Texas Resources	Replacement/exhalative mineralization	
176	Lucky Knock	Magill & Associates	Stibnite veinlets in limestone	
177	Mazama	Centurion Mines Corp.	Porphyry-type mineralization	
178	Minnie mine	Cordilleran Development Inc.	Hydrothermal	
179	Molson Gold	Crown Resources Corp., Kennecott Exploration	Skarn-and epithermal-type mineralization	
180	Montgomery	McGill and Associates	Mineralization in metamorphosed Kobau formation	
181	Okanogan Highgrade	Northwest Minerals Inc.	Hydrothermal	
182	Palmer Mountain	Wilbur Hallauer, Yamana Resources Inc.	Ore lenses in altered andesite of Permian-Triassic greenstone	Yes
183	Parmenter Creek	Colville Tribes, Cyprus Exploration and Development Corp.	Stratabound shear zone in pre-Jurassic rocks	
184	Poison Lake	Agro Minerals, Inc.	Evaporitic lake	
185	Poland China	FMC Gold Co., Richard Dart	Hydrothermal	
186	Red Shirt	Northwest Minerals Inc.	Hydrothermal	
187	Reed Limestone	CM Silver Mines Inc.	No data	
188	Roxy	Dalton Excavating	No data	
189	Say Energy	Hunter Mines Inc.	Veins in orthogneiss	
190	Silver Belle	Jopec Resources, Pacific Northwest Resources, Lovejoy Mining, Silver Bell Inc./Crown Resources Corp.	Epithermal mineralization in Eocene felsic volcanic rocks	Yes
191	Smith Canyon	Northwest Minerals Corp.	Gold-copper volcanogenic massive sulfide(?)	
192	Smith Canyon	Reliant Resources, Ltd./Nord Resources Corp.	Vein and disseminated mineralization in volcanoclastic rocks	
193	Soderlund #1 & #2	Wayne and Betty Soderlund	Hydrothermal	
194	Squaw Mountain	Colville Confederated Tribes	Veinlets and porphyry-type mineralization in granitic rocks	
195	Starr Molybdenum	Wilbur Hallauer	Porphyry-type mineralization in Cretaceous quartz monzonite and granodiorite; gold in secondary enriched zone	Yes
196	Strawberry Creek	Santa Fe Pacific Gold Corp./Santa Fe Pacific Gold Corp., Colville Fed	Vein and disseminated mineralization in metamorphic rocks	
197	Strawberry Lake	Crown Resources Corp.	Skarn and vein deposits in metasedimentary-metavolcanic rocks intruded by granitic rocks	

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1997	Activity	
			1996	Activity type 1996
151	Agro Minerals			
152	Alder			
153	Alder area			
154	American Flag			
155	Billy Goat	Maintained property	Yes	Maintained or undergoing reclamation activities but where no active mining or exploration.
156	Black Bear			Yes
157	Blue Lake	Drilling		
158	Bodie mine			
159	Bonaparte Meadows peat			
160	Brown quarry	Mined 4.5,000 tons dolomite	Yes	Mined 4,000 tons for soil conditioner.
161	Cayuse			
162	Cecile Creek			
163	Copper World area			Yes
164	Craggy Peak			
165	Crown Jewel	EIS released, permitting proceeding	Yes	EIS was released in February 1997.
166	Crown Jewel (exploration project)			
167	Crystal Butte (Crystal)	Maintained property	Yes	Maintained or undergoing reclamation activities but where no active mining or exploration.
168	Four Metals	Drilling		
169	Golden Zone			Yes
170	Gray Eagle			
171	Hot Lake	Maintained property		Yes
172	Ida	Maintained property	Yes	Maintained or undergoing reclamation activities but where no active mining or exploration.
173	Ivanhoe			
174	Kelsey	Maintained property	Yes	Maintained or undergoing reclamation activities but where no active mining or exploration.
175	Key			
176	Lucky Knock		Yes	Maintained or undergoing reclamation activities but where no active mining or exploration.
177	Mazama			
178	Minnie mine			
179	Molson Gold			
180	Montgomery			
181	Okanogan Highgrade			
182	Palmer Mountain	Drilling, geophysics	Yes	Geophysics, geologic mapping, opened old adit.
183	Parmenter Creek			Yes
184	Poison Lake			
185	Poland China			
186	Red Shirt			
187	Reed Limestone			
188	Roxy			
189	Say Energy			
190	Silver Belle	Maintained property	Yes	Maintained or undergoing reclamation activities but where no active mining or exploration.
191	Smith Canyon			
192	Smith Canyon			
193	Soderlund #1 & #2			
194	Squaw Mountain			
195	Starr Molybdenum	Maintained property	Yes	Maintained or undergoing reclamation activities but where no active mining or exploration.
196	Strawberry Creek			Yes
197	Strawberry Lake			

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1995	Activity	
			1994	Activity type 1994
151	Agro Minerals			
152	Alder			
153	Alder area			
154	American Flag			
155	Billy Goat	Maintain property	Yes	Maintained property
156	Black Bear	Maintain property		
157	Blue Lake		Yes	Reconnaissance geologic studies
158	Bodie mine			
159	Bonaparte Meadows peat		Yes	Mining
160	Brown quarry	Mining	Yes	Mining
161	Cayuse			Yes
162	Cecile Creek			
163	Copper World area	Geophysics, mapping, sampling		
164	Craggy Peak			
165	Crown Jewel	Permitting, EIS issued, revisions in progress	Yes	Geotechnical studies, preparing draft EIS
166	Crown Jewel (exploration project)			Yes
167	Crystal Butte (Crystal)	Geology, maintain property	Yes	Maintained property
168	Four Metals			
169	Golden Zone	Maintain property	Yes	Maintained property
170	Gray Eagle			
171	Hot Lake	Maintain property	Yes	Maintained property
172	Ida	Retained only a portion of the property	Yes	Maintained property
173	Ivanhoe			Yes
174	Kelsey	Maintain property	Yes	Maintained property
175	Key			
176	Lucky Knock	Soil and rock geochemistry, building repair	Yes	Geochemistry, geologic mapping
177	Mazama		Yes	Maintained property
178	Minnie mine			Yes
179	Molson Gold		Yes	Maintained property
180	Montgomery			Yes
181	Okanogan Highgrade			
182	Palmer Mountain	Geophysics, mapping, opened old adit	Yes	Reconnaissance geologic studies Detailed and reconnaissance geologic mapping, geochemistry, diamond drilling
183	Parmenter Creek	Geology, geochemistry, geophysics	Yes	drilling
184	Poison Lake	Idle, trying to sell property	Yes	Mining
185	Poland China			Yes
186	Red Shirt			
187	Reed Limestone			
188	Roxy			
189	Say Energy			
190	Silver Belle	Geophysics, geology	Yes	Maintained property
191	Smith Canyon			
192	Smith Canyon			
193	Soderlund #1 & #2			
194	Squaw Mountain			Yes
195	Starr Molybdenum	Maintain property		Yes
196	Strawberry Creek		Yes	Reclaimed drill sites from 1993
197	Strawberry Lake			Yes

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1993	Activity 1992	Activity type 1992	Activity 1991	Activity type 1991	Activity 1990
151	Agro Minerals						
152	Alder						
153	Alder area		Yes	Exploration	Yes	Exploration	Yes
154	American Flag						
155	Billy Goat	Repairing underground workings	Yes	Mine reconditioning	Yes	Repairing underground workings	Yes
156	Black Bear			Negotiating			
157	Blue Lake	Geologic mapping, geochemistry	Yes	Mapping, geochemistry			
158	Bodie mine						
159	Bonaparte Meadows peat	Mining	Yes	Mining	Yes	Mining	
160	Brown quarry	Mining	Yes	Mining	Yes	Mining, milling	Yes
161	Cayuse	Maintained property	Yes	Exploration	Yes	Geochemistry , geologic mapping	
162	Cecile Creek						Yes
163	Copper World area		Yes	Exploration	Yes	Exploration	
164	Craggy Peak		Yes	Exploration	Yes	Exploration	
165	Crown Jewel	Geotechnical studies, preparing EIS	Yes	Mapping, drilling, preparing to mine	Yes	Drilling	Yes
166	Crown Jewel (exploration project)	Exploration			Yes	Exploration	
167	Crystal Butte (Crystal)	Drilling	Yes	Drilling, geochemistry , geophysics	Yes	Drilling, geochemistry	Yes
168	Four Metals						
169	Golden Zone						
170	Gray Eagle						
171	Hot Lake			Negotiating	Yes	Drilling	
172	Ida	Geochemistry	Yes	Drilling, geochemistry	Yes	Drilling, trenching, sampling	Yes
173	Ivanhoe						
174	Kelsey	Maintained property	Yes	Drilling, geophysics	Yes	Acquired property	Yes
175	Key						
176	Lucky Knock	Geochemistry	Yes	Geochemistry	Yes	Soil sampling	
177	Mazama	Geologic mapping, geochemistry , maintained property	Yes	Mapping	Yes	Re-staked claims, geochemistry , drilling	Yes
178	Minnie mine						
179	Molson Gold	Geologic mapping, geophysics	Yes	Mapping, geochemistry , geophysics	Yes	Sampling, drilling	Yes
180	Montgomery	Geochemistry	Yes	Exploration geochemistry			
181	Okanogan Highgrade						Yes
182	Palmer Mountain	Geologic mapping, geochemistry	Yes	Mapping, geochemistry			
183	Parmenter Creek	Geologic mapping, geochemistry		Negotiating	Yes	Geochemistry , exploration	
184	Poison Lake	Mining	Yes	Mining	Yes	Mining	
185	Poland China						Yes
186	Red Shirt						Yes
187	Reed Limestone						
188	Roxy						
189	Say Energy		Yes	Underground development, trenching, dewatering, maintenance	Yes	Geologic mapping, geophysics, geochemistry	
190	Silver Belle		Yes	Maintained leases	Yes	Exploration	
191	Smith Canyon						
192	Smith Canyon		Yes	Exploration	Yes	Geophysics	Yes
193	Soderlund #1 & #2						
194	Squaw Mountain	Geologic mapping, geochemistry					
195	Starr Molybdenum	Maintained property	Yes	Mapping, geochemistry	Yes	Exploration, negotiating	Yes
196	Strawberry Creek				Yes	Negotiating	
197	Strawberry Lake	Geologic mapping	Yes	Geologic mapping, geochemistry, geophysics, drilling	Yes	Geochemistry	Yes

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1990	Activity 1989	Activity type 1989	Activity 1988	Activity type 1988	Activity 1987
151	Agro Minerals						
152	Alder		Yes	Exploration	Yes	Exploration	
153	Alder area	Exploration					
154	American Flag				Yes	Exploration	
155	Billy Goat	Exploration	Yes	Mine development	Yes	Development	Yes
156	Black Bear						Yes
157	Blue Lake						
158	Bodie mine		Yes	Exploration	Yes	Geologic mapping, sampling, drilling	Yes
159	Bonaparte Meadows peat						
160	Brown quarry	Mining	Yes	Mining			
161	Cayuse						
162	Cecile Creek	Drilling					
163	Copper World area						
164	Craggy Peak						
165	Crown Jewel	Drilling	Yes	Drilling			
166	Crown Jewel (exploration project)		Yes	Drilling extensively	Yes	Drilling, exploration	
167	Crystal Butte (Crystal)	Drilling (by Battle Mountain)	Yes	Optioned to Crown Resources			Yes
168	Four Metals						
169	Golden Zone						
170	Gray Eagle						Yes
171	Hot Lake						
172	Ida	Exploration, drilling	Yes	Exploration	Yes	Drilling	Yes
173	Ivanhoe						Yes
174	Kelsey	Drilling	Yes	Drilling			
175	Key				Yes	Drilling, EIS complete	
176	Lucky Knock						
177	Mazama	Exploration	Yes	Exploration and property evaluation			Yes
178	Minnie mine						
179	Molson Gold	Exploration, drilling					
180	Montgomery						
181	Okanogan Highgrade	Exploration	Yes	Exploration			
182	Palmer Mountain		Yes	Drilling			
183	Parmenter Creek						
184	Poison Lake						
185	Poland China	Exploration					
186	Red Shirt	Exploration	Yes	Geochemistry			
187	Reed Limestone				Yes	Drilling	Yes
188	Roxy				Yes	Drilling	
189	Say Energy						
190	Silver Belle		Yes	Exploration			Yes
191	Smith Canyon		Yes	Geochemistry			
192	Smith Canyon	Exploration	Yes	Exploration	Yes	Trenching, drilling	
193	Soderlund #1 & #2						
194	Squaw Mountain						
195	Starr Molybdenum	Exploration	Yes	Drilling			
196	Strawberry Creek						
197	Strawberry Lake	Drilling	Yes	Exploration			



Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1987	Activity 1986	Activity type 1986	Activity 1985	Activity type 1985
151	Agro Minerals		Yes	Mining		
152	Alder					
153	Alder area					
154	American Flag					
155	Billy Goat	Exploration	Yes	Exploration	Yes	Exploration
156	Black Bear	Mapping, sampling				
157	Blue Lake					
158	Bodie mine	Exploration			Yes	Exploration
159	Bonaparte Meadows peat					
160	Brown quarry		Yes	Mining, milling		
161	Cayuse					
162	Cecile Creek					
163	Copper World area					
164	Craggy Peak					
165	Crown Jewel					
166	Crown Jewel (exploration project)					
167	Crystal Butte (Crystal)	Geologic reconnaissance	Yes	Drilling, exploration	Yes	Geochemistry , exploration
168	Four Metals					
169	Golden Zone					
170	Gray Eagle	Geologic reconnaissance	Yes	Drilling, exploration	Yes	Geochemistry
171	Hot Lake					
172	Ida	Sampling, mapping	Yes	Sampling	Yes	Acquired property
173	Ivanhoe	Exploration				
174	Kelsey					
175	Key		Yes	Exploration and drilling	Yes	Drilling
176	Lucky Knock					
177	Mazama	Sampling				
178	Minnie mine		Yes	Reclamation	Yes	Heap leaching, mapping
179	Molson Gold					
180	Montgomery					
181	Okanogan Highgrade					
182	Palmer Mountain					
183	Parmenter Creek					
184	Poison Lake		Yes	Mining	Yes	Mining
185	Poland China		Yes	Geophysics, geochemistry , drilling		
186	Red Shirt				Yes	Geochemistry
187	Reed Limestone	Drilling				
188	Roxy					
189	Say Energy					
190	Silver Belle	Sampling	Yes	Exploration	Yes	Drilling, geophysics
191	Smith Canyon					
192	Smith Canyon		Yes	Drilling		
193	Soderlund #1 & #2		Yes	Reconnaissance		
194	Squaw Mountain					
195	Starr Molybdenum					
196	Strawberry Creek					
197	Strawberry Lake					

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Location	Assumed Section	Latitude (calculated)	Longitude (calculated)	County	First Commodity	All Commodities
198	Three Buttes	sec. 15, 34N, 26E	15	48.4465	-119.5479	Okanogan	Au	Au, Mn
199	Tonasket limestone quarry	sec. 25, 38N, 26E	25	48.7636	-119.5012	Okanogan	Limestone	Limestone
200	Toroda	sec. 12, 38N, 31E	12	48.8065	-118.8442	Okanogan	Au	Au, Ag
201	Turtle Lake	secs. 9-10, 36N, 26E	9	48.6357	-119.5696	Okanogan	Au	Au, Ag, Cu
202	Unnamed (gold)	secs. 26,36, 30N, 22E	26	48.0695	-120.0446	Okanogan	Au	Au, Ag
203	Wasco Ridge/Strawberry Ridge	secs. 28-33, 33N, 31E, secs. 4-5, 32N, 31E	32	48.3169	-118.9427	Okanogan	Au	Au, Ag
204	Waseco Resources	secs. 9,10-15, 30N, 22E	11	48.1134	-120.0446	Okanogan	Au	Au, Ag
205	Wauconda quarry	sec. 13, 38N, 30E	13	48.7922	-118.9756	Okanogan	Limestone	Limestone
206	White Rock	sec. 35, 39N, 26E	35	48.8351	-119.5231	Okanogan	Limestone	Limestone
207	Whitestone quarry	sec. 14, 38N, 26E	14	48.7922	-119.5231	Okanogan	Limestone	Limestone
208	Champagne Placer	sec. 27, 39N, 43E	27	48.8510	-117.3535	Pend Oreille	Limestone	Limestone
209	Cooks Copper	sec. 19, 34N, 45E	19	48.4320	-117.1624	Pend Oreille	Ag	Ag, Cu
210	Cooks Mountain	sec. 2, 31N, 45E	2	48.2148	-117.0759	Pend Oreille	Au	Au,Ag,Pb
211	Easy Street claims	secs. 23, 26, 39N, 43E	26	48.8510	-117.3314	Pend Oreille	Silica	Silica
212	Glass Mountain mine	sec. 2, 31N, 45E	2	48.2148	-117.0759	Pend Oreille	Au	Au, Ag, Pb
213	Harvey Creek	sec. 17, 38N, 44E	17	48.7930	-117.2651	Pend Oreille	Au	Au, Ag, Mo
214	Jim Creek	secs. 8-9, 16-17, 38N, 42E	17	48.7930	-117.5303	Pend Oreille	Zn	Zn, Ag, Pb, Cu, Mo, Au, W
215	Klahowya Creek	secs. 26-27, 35N, 45E	27	48.5044	-117.0975	Pend Oreille	U	U
216	Lead Hill	secs. 11-14, 22-23, 27, 40N, 44E	14	48.9671	-117.1988	Pend Oreille	Pb	Pb, Zn, Ag
217	Lead Hill #2	secs. 11-14, 22-23, 27, 40N, 44E	14	48.9671	-117.1988	Pend Oreille	Pb	Pb, Zn, Ag
218	Lewis and Clark claims	sec. 17, 38N, 44E	17	48.7930	-117.2651	Pend Oreille	Ag	Ag, Mo, Pb, Zn
219	Peacock Claims	sec. 2, 31N, 45E	2	48.2148	-117.0759	Pend Oreille	Au	Au, Ag
220	Pend Oreille mine	secs.10-11, 14-15, 39N, 43E	15	48.8800	-117.3535	Pend Oreille	Zn	Zn, Pb, Ag, Cd
221	Slate Creek	secs. 14-15, 21-22, 28, 40N, 44E	22	48.9526	-117.2209	Pend Oreille	Ag	Ag, Pb, Zn
222	Totem talc	secs. 23, 25-26, 39N, 44E	26	48.8510	-117.1988	Pend Oreille	Talc	Talc
223	Troyer	sec. 20, 39N, 43E	20	48.8655	-117.3977	Pend Oreille	Silica	Silica
224	Carbon River	sec. 29, 18N, 8E	29	47.0179	-121.8226	Pierce	Au	Au, Ag, Cu
225	Clay City pit	sec. 25, 17N, 4E; sec. 30, 17N, 5E	25	46.9307	-122.2398	Pierce	Clay	Clay
226	Pt. Lawrence	sec. 25, 37N, 1W	25	48.6683	-122.7554	San Juan	Limestone	Limestone, sandstone
227	AIMCOR Olivine	sec. 23, 39N, 44E	23	48.8655	-117.1988	Skagit	Olivine	Olivine
228	Hamilton plant	sec. 17, 36N, 7E	17	48.6082	-121.9300	Skagit	Olivine	Olivine
229	Skagit Copper	secs. 1-3, 33N, 5E	2	48.3755	-122.1264	Skagit	Cu	Cu, Zn, Au, Ag, Pb
230	Telstar	secs. 25-26, 33N, 8E	26	48.3173	-121.7336	Skagit	Cu	Cu, Au, Ag, Zn, Pb
231	Twin Sisters	secs. 3-4, 8-9, 16, 36N, 7E	9	48.6227	-121.9081	Skagit	Olivine	Olivine
232	Black Jack	secs. 3-5,8-9, 3N, 5E	4	45.7743	-122.1964	Skamania	Cu	Cu,Ag,Au,Mo
233	Margaret	sec. 8, N 1/2 sec. 17, 10N, 6E	17	46.3504	-122.0829	Skamania	Cu	Cu, Mo, Ag, Au
234	Mountain Springs	sec. 32, 4N, 5E	32	45.7889	-122.2169	Skamania	Cu	Cu
235	Polar Star	sec. 18, 10N, 6E	18	46.3504	-122.1038	Skamania	Cu	Cu, Mo, Ag, Au
236	Silver Star	secs. 3-5, 8-9, 3N, 5E	4	45.7743	-122.1964	Skamania	Cu	Cu, Ag, Au, Mo
237	Wind River	sec. 9, 5N, 7E	9	45.9300	-121.9481	Skamania	Au	Au, Ag
238	45 mine	secs. 29-30, 30N, 10E	30	48.0625	-121.5659	Snohomish	Au	Au, Ag, Cu
239	China Gap	sec. 5, 28N, 8E	5	47.9466	-121.8056	Snohomish	Au	Au placer
240	Index Silver Creek	secs. 18-19, 28N, 11E	19	47.9030	-121.4421	Snohomish	Au	Au, Ag, Cu, Pb, Zn
241	Lockwood	secs. 25, 30-32, 29N, 9E	31	47.9623	-121.6947	Snohomish	Cu	Cu, Au, Zn, Ag
242	May Creek mine	sec. 11, 27N, 9E	11	47.8447	-121.6131	Snohomish	Stone	Stone, granite
243	Miller Lime quarry	secs. 15-16, 27N, 9E	16	47.8302	-121.6559	Snohomish	Rock	Rock
244	Philo	secs. 22-23, 29N, 11E	22	47.9909	-121.3727	Snohomish	Au	Au, Ag, Cu
245	Tri-Lux	secs. 27-28, 32-34, 30N, 9E	33	48.0481	-121.6518	Snohomish	Au	Au, Ag, Pb, Zn
246	Trout Creek Property	sec. 20, 27N, 11E	20	47.8156	-121.4207	Snohomish	Cu	Cu, Au, Ag, Zn, Pb, W, Sn, P
247	Fruin property	sec. 23, 24N, 45E	23	47.5595	-117.0809	Spokane	Clay	Clay
248	Mica mine	sec. 14, 24N, 44E	14	47.5741	-117.2095	Spokane	Clay	Clay
249	Pottratz mine	sec. 7, 21N, 45E	7	47.3261	-117.1666	Spokane	Clay	Clay

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Operator /Owner	Deposit setting or type	Activity 1997
198	Three Buttes	Echo Bay Exploration Inc.	Sheeted veins and porphyry-type mineralization	
199	Tonasket limestone quarry	Pacific Calcium, Inc.	Metacarbonate rocks	Yes
200	Toroda	Kennecott Exploration Co.	Epithermal gold	
201	Turtle Lake	L.F. Baum, Associates	Hydrothermal	
202	Unnamed (gold)	OWC Inc.	No data	
203	Wasco Ridge/Strawberry Ridge	Colville Confederated Tribes/Santa Fe Pacific Mining	Shear zone mineralization	
204	Waseco Resources	Say Energy	No data	
205	Wauconda quarry	Columbia River Carbonates	Marble lenses in mica schist	Yes
206	White Rock	Chemstar Lime Co.	Limestone from the Permian Spectacle Formation	
207	Whitestone quarry	Pacific Calcium Inc.	Limestone	
208	Champagne Placer	Lafarge Corp., Lehigh Portland Cement Co.	Limestone	
209	Cooks Copper	Raven Hill Mining Co.	Proterozoic rocks intruded by Cretaceous granitic rocks	
210	Cooks Mountain	Raven Hill Mining Co.	Veins in shear zone of Proterozoic sedimentary rocks	
211	Easy Street claims	Bockman Construction Inc.		
212	Glass Mountain mine	Raven Hill Mining Co.	Veins in shear zone of Proterozoic sedimentary rocks	
213	Harvey Creek	N.A. Degerstrom	Porphyry-style in Cretaceous-Tertiary granitic rocks	
214	Jim Creek	Northwest Minerals Ltd.	Contact metamorphism in carbonate and shale	Yes
215	Klahowya Creek	Minatome Corp.	Hydrothermal	
216	Lead Hill	Ramrod Gold USA, Inc.	Mississippi Valley type deposit	
217	Lead Hill #2	Cominco American Resources Inc.	Mississippi Valley Type mineralization	
218	Lewis and Clark claims	Lewis and Clark Mining	Hydrothermal	
219	Peacock Claims	Raven Hill Mining Co.	No data	
220	Pend Oreille mine	Cominco American Inc., Resource Finance, Pintlar Corp.	Mississippi Valley type deposit	Yes
221	Slate Creek	LaSota-Jones Lead-Zinc Corp.	Hydrothermal	
222	Totem talc	First Miss Gold Inc./United Catalysts Inc., FRM Minerals Inc.	Talc along a high-angle fault in altered dolomites	
223	Troyer	Lehigh Portland Cement Co.		
224	Carbon River	Wagner/Nerco Minerals Co.	Hydrothermal	
225	Clay City pit	Mutual Materials Co.	Kaolin-bearing altered andesite	Yes
226	Pt. Lawrence	Alberg and Associates, Inc.	Pre-Devonian basement complex	
227	AIMCOR Olivine	Applied Industrial Materials Corp. (AIMCOR)	Dunite ultramafic igneous body	
228	Hamilton plant	Applied Industrial Materials Corp. (AIMCOR)	Twin Sisters Dunite	
229	Skagit Copper	Cannon Minerals	Sulfide mineralization in accreted-terrane	
230	Telstar	Cannon Minerals	Mineralization in altered ultramafic rocks	
231	Twin Sisters	IMC Olivine-Imcore Division	Dunite ultramafic igneous body	
232	Black Jack	Plexus Resources Corp.	Hydrothermal tourmaline-bearing breccia pipe associated with porphyritic	
233	Margaret	Teck Exploration Ltd.	Miocene Silver Star pluton Porphyry in quartz diorite	
234	Mountain Springs	Kenneth L. Bruhn, Sr. Mining Division	Mineralization associated with Silver Star porphyry copper/breccia pipes	
235	Polar Star	Champion International Corp.	Breccia pipes and porphyry-type deposit	
236	Silver Star	Kinross Gold USA, Inc.	Tourmaline-bearing breccia pipe associated with Miocene Silver Star pluton	Yes
237	Wind River	DeLano Wind River Mining Co., Youngquist Mine Development & Cons	Epithermal mineralization in volcanic rocks	Yes
238	45 mine	Mine Evaluation Inc.	Hydrothermal	
239	China Gap	J&S Mining	Hydrothermal	
240	Index Silver Creek	Sunshine Valley Minerals Inc.	Veins along batholith contact	
241	Lockwood	Island Arc Resources Corp./Formosa Resources Corp., Rio Algom Exp	Volcanogenic massive sulfide mineralization	
242	May Creek mine	May Creek Mining	No data	
243	Miller Lime quarry	Alpine Rockeries Inc.	Fossiliferous limestone with interbedded graywacke, argillite, and volcanic rock	
244	Philo	Alberg and Associates, Inc.	Mineralized fracture zone	
245	Tri-Lux	Cannon Minerals	Stockwork mineralization in subaqueously extruded dome	
246	Trout Creek Property	Ariel Resources Ltd.	Volcanogenic massive sulfide/contact metamorphic mineralization	Yes
247	Fruin property	Mutual Materials Co.	Lacustrine clays produced from saprolites of Miocene weathering	
248	Mica mine	Mutual Materials Co.	Lacustrine clay	
249	Pottratz mine	Mutual Materials Co., Interpace Industries	Lacustrine clay	Yes

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1997	Activity		
			1996	Activity type 1996	Activity 1995
198	Three Buttes				
199	Tonasket limestone quarry	Mined 22,000 tons limestone	Yes	Mined 16,000 tons of limestone for soil conditioner and feed lime.	Yes
200	Toroda				
201	Turtle Lake				
202	Unnamed (gold)				
203	Wasco Ridge/Strawberry Ridge				
204	Waseco Resources				
205	Wauconda quarry	Mining	Yes	Mined 105,000 tons with net production of 78,000 tons.	Yes
206	White Rock				
207	Whitestone quarry				
208	Champagne Placer				
209	Cooks Copper				
210	Cooks Mountain				
211	Easy Street claims				
212	Glass Mountain mine				
213	Harvey Creek				
214	Jim Creek	Maintained property	Yes	Property acquisition, reconnaissance, sampling.	
215	Klahowya Creek				
216	Lead Hill				
217	Lead Hill #2				
218	Lewis and Clark claims				
219	Peacock Claims				
220	Pend Oreille mine	Underground exploration drilling and preparation of feasibility study	Yes	Conducted exploration drilling from the surface and underground exploration drilling from underground workings.	Yes
221	Slate Creek				
222	Totem talc				Yes
223	Troyer				Yes
224	Carbon River				
225	Clay City pit	Mined 4,000 tons clay	Yes	Mined 6,500 tons to produce brick.	Yes
226	Pt. Lawrence				
227	AIMCOR Olivine				
228	Hamilton plant				Yes
229	Skagit Copper				Yes
230	Telstar				
231	Twin Sisters				
232	Black Jack				
233	Margaret				
234	Mountain Springs				
235	Polar Star				
236	Silver Star	Maintained property	Yes	Maintained or undergoing reclamation activities but where no active mining or exploration.	Yes
237	Wind River	Mining, stockpiling	Yes	Mined and stockpiled approximately 2,000 tons of ore.	Yes
238	45 mine				
239	China Gap				
240	Index Silver Creek				
241	Lockwood		Yes	Maintained or undergoing reclamation activities but where no active mining or exploration.	Yes
242	May Creek mine				
243	Miller Lime quarry				
244	Philo				
245	Tri-Lux				
246	Trout Creek Property	Maintained property	Yes	Geophysics, geologic mapping, opened old adit.	Yes
247	Fruin property				
248	Mica mine		Yes	Mined 42,000 tons, stockpiled to produce bricks.	
249	Pottratz mine	Mined 14,000 tons clay			

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1995	Activity	
			1994	Activity type 1994
198	Three Buttes			
199	Tonasket limestone quarry	Mining, milling	Yes	Mining, milling
200	Toroda			
201	Turtle Lake			
202	Unnamed (gold)			
203	Wasco Ridge/Strawberry Ridge			Yes
204	Waseco Resources			
205	Wauconda quarry	Mining, milling	Yes	Mining, milling
206	White Rock			
207	Whitstone quarry		Yes	Mining
208	Champagne Placer			
209	Cooks Copper			
210	Cooks Mountain			
211	Easy Street claims			
212	Glass Mountain mine			
213	Harvey Creek			
214	Jim Creek			
215	Klahowya Creek			
216	Lead Hill		Yes	Maintained property
217	Lead Hill #2		Yes	Drilling
218	Lewis and Clark claims			
219	Peacock Claims			
220	Pend Oreille mine	1500-ft explor. drift; 22,000 ft drilling; 33 new claims	Yes	Driving exploration drift as access for additional underground drilling.
221	Slate Creek			Yes
222	Totem talc	Maintained property	Yes	Maintained property
223	Troyer			
224	Carbon River			
225	Clay City pit	Mining	Yes	Using stockpiled clay, shutdown adjacent Clay City brick plant
226	Pt. Lawrence		Yes	Permitting
227	AIMCOR Olivine			
228	Hamilton plant	Milling	Yes	Mining and milling of dunite
229	Skagit Copper	Trenching on massive sulfide lenses	Yes	Discovered new zinc-rich zone on property
230	Telstar			Yes
231	Twin Sisters			
232	Black Jack			
233	Margaret			
234	Mountain Springs			
235	Polar Star			Yes
236	Silver Star	Maintain property	Yes	Maintaining property
237	Wind River	Mining, seeking permits for milling operations	Yes	Preparing to mine
238	45 mine			
239	China Gap			
240	Index Silver Creek			
241	Lockwood	Maintained property	Yes	Maintained property
242	May Creek mine			
243	Miller Lime quarry		Yes	Mining
244	Philo		Yes	Applying for permits
245	Tri-Lux			Yes
246	Trout Creek Property	Reconnaissance prospecting, claim staking		
247	Fruin property			Maintained property
248	Mica mine		Yes	Reclamation and development work toward production of new reserves; no new mining at the Mica mine or Pottratz pit production of bricks
249	Pottratz mine			Maintained property

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1993	Activity 1992	Activity type 1992	Activity 1991	Activity type 1991	Activity 1990
198	Three Buttes	Geologic mapping, geophysics, geochemistry , drilling					
199	Tonasket limestone quarry	Mining, milling	Yes	Mining, milling	Yes	Mining, milling	Yes
200	Toroda		Yes	Geochemistry, drilling			Yes
201	Turtle Lake						Yes
202	Unnamed (gold)						
203	Wasco Ridge/Strawberry Ridge	Geologic mapping, geophysics, geochemistry	Yes	Conditional permit for exploration			
204	Waseco Resources						
205	Wauconda quarry	Mining, milling	Yes	Mining, milling	Yes	Mining, milling	Yes
206	White Rock				Yes	Drilling	
207	Whitstone quarry						
208	Champane Placer						Yes
209	Cooks Copper		Yes	Exploration	Yes	Exploration	Yes
210	Cooks Mountain		Yes	Exploration			
211	Easy Street claims						
212	Glass Mountain mine				Yes	Mine development	Yes
213	Harvey Creek		Yes	Exploration	Yes	Exploration	
214	Jim Creek						
215	Klahowya Creek						
216	Lead Hill	Drilling					
217	Lead Hill #2	Geologic mapping, geochemistry					
218	Lewis and Clark claims						
219	Peacock Claims						
220	Pend Oreille mine	Underground drifting, test mining	Yes	Drilling, may resume mining	Yes	Underground drilling	Yes
221	Slate Creek						
222	Totem talc	Maintained property	Yes	Geotechnical studies	Yes	Sampling, assessment work	Yes
223	Troyer						
224	Carbon River						Yes
225	Clay City pit	Using stockpiled clay	Yes	Mining	Yes	Mining	Yes
226	Pt. Lawrence						
227	AIMCOR Olivine						Yes
228	Hamilton plant	Mining	Yes	Milling	Yes	Milling	Yes
229	Skagit Copper	Maintained a portion of property	Yes	Mapping, trenching			
230	Telstar	Maintained portion of property	Yes	Exploration, trenching			
231	Twin Sisters						
232	Black Jack				Yes	Drilling, geology, geochemistry	
233	Margaret			Property acquisition	Yes	Negotiating	
234	Mountain Springs				Yes	Applied for permits	
235	Polar Star	Maintained property	Yes	Drilling	Yes	Drilling	
236	Silver Star	Maintained property	Yes	Drilling, mapping, geochemistry	Yes	Drilling, geochemistry , exploration	Yes
237	Wind River	Applied for permits	Yes	Drilling		Reverted to original claimants	
238	45 mine						Yes
239	China Gap						
240	Index Silver Creek				Yes	Reopened roads, drill site preparation	
241	Lockwood	Geological and geophysical exploration, drilling	Yes	Drilling	Yes	Drilling	Yes
242	May Creek mine						
243	Miller Lime quarry	Mining	Yes	Mining			
244	Philo						
245	Tri-Lux	Maintained portion of property	Yes	Exploration, trenching			
246	Trout Creek Property						
247	Fruin property						
248	Mica mine	Using stockpiled clay, no new mining	Yes	Some mining, using stockpiled clay	Yes	Using stockpiled clay	Yes
249	Pottratz mine						

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1990	Activity 1989	Activity type 1989	Activity 1988	Activity type 1988	Activity 1987
198	Three Buttes						
199	Tonasket limestone quarry	Mining, milling	Yes	Mining and milling	Yes	Mining and milling	
200	Toroda	Drilling	Yes	Drilling			
201	Turtle Lake	Exploration	Yes	Drilled by Newmont	Yes	Exploration, drilling	Yes
202	Unnamed (gold)				Yes	Claim staking	
203	Wasco Ridge/Strawberry Ridge						
204	Waseco Resources				Yes	Exploration, drilling	
205	Wauconda quarry	Mining, crushing	Yes	Mined 60,000 tons	Yes	Mined 35,000 tons	Yes
206	White Rock						
207	Whitestone quarry						Yes
208	Champagne Placer	Mining, closed cement plant	Yes	Mined 250,000 tons	Yes	Mining limestone	Yes
209	Cooks Copper	Exploration	Yes	Exploration			
210	Cooks Mountain						
211	Easy Street claims						Yes
212	Glass Mountain mine	Mine development	Yes	Mine rehabilitation; drilling			
213	Harvey Creek						
214	Jim Creek						
215	Klahowya Creek						
216	Lead Hill						
217	Lead Hill #2						
218	Lewis and Clark claims						Yes
219	Peacock Claims				Yes	Exploration, development	
220	Pend Oreille mine	Just purchased, drilling	Yes	Drilling, mine dewatering, mine evaluation	Yes	Drilling	
221	Slate Creek						
222	Totem talc	Exploration	Yes	Bulk sampling, reopened and developed test pits	Yes	Drilling, sampling	Yes
223	Troyer						
224	Carbon River	Drilling (by Nerco)					
225	Clay City pit	Mining	Yes	Mined 8,000 cubic yards			
226	Pt. Lawrence						
227	AIMCOR Olivine	Producing	Yes	Mining olivine	Yes	Milling, reclamation	Yes
228	Hamilton plant	Producing olivine products					
229	Skagit Copper		Yes	Exploration			
230	Telstar		Yes	Exploration			
231	Twin Sisters						
232	Black Jack						
233	Margaret						
234	Mountain Springs						
235	Polar Star						
236	Silver Star	Drilling, geophysics, exploration	Yes	Drilling; geological and geophysical exploration			Yes
237	Wind River	Project on hold	Yes	Produced 7 tons concentrate			
238	45 mine	Exploration					
239	China Gap						
240	Index Silver Creek						
241	Lockwood	Drilling, geophysics	Yes	Geologic mapping, geophysics			
242	May Creek mine						
243	Miller Lime quarry						
244	Philo						
245	Tri-Lux		Yes	Exploration			
246	Trout Creek Property						
247	Fruin property						
248	Mica mine	Mining	Yes	Mined 10,000 tons	Yes	Mining	Yes
249	Pottratz mine		Yes	Mined 24,000 tons	Yes	Mining	Yes

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1987	Activity 1986	Activity type 1986	Activity 1985	Activity type 1985
198	Three Buttes					
199	Tonasket limestone quarry					
200	Toroda					
201	Turtle Lake	Exploration				
202	Unnamed (gold)					
203	Wasco Ridge/Strawberry Ridge					
204	Waseco Resources					
205	Wauconda quarry	Geologic study	Yes	Mining	Yes	Drilling, geochemistry , quarried 40,000 tons limestone
206	White Rock					
207	Whitestone quarry	Quarrying, milling	Yes	Mining, milling		
208	Champagne Placer	Mining	Yes	Mining	Yes	Mined 238,000 tons limestone
209	Cooks Copper					
210	Cooks Mountain					
211	Easy Street claims	Mining	Yes	Began mining		
212	Glass Mountain mine					
213	Harvey Creek					
214	Jim Creek					
215	Klahowya Creek		Yes	Drilling, exploration		
216	Lead Hill					
217	Lead Hill #2					
218	Lewis and Clark claims	Drilling	Yes	Geochemistry , exploration		
219	Peacock Claims					
220	Pend Oreille mine			Mine closed, allowing it to flood	Yes	Mine on standby
221	Slate Creek		Yes	Drilling		
222	Totem talc	Drilling	Yes	Drilling		
223	Troyer		Yes	Mining, closed quarry	Yes	Mined 23,000 tons silica
224	Carbon River					
225	Clay City pit		Yes	Mining	Yes	Mining
226	Pt. Lawrence					
227	AIMCOR Olivine	Produced from stockpile				
228	Hamilton plant		Yes	Milling, exploration	Yes	Exploration
229	Skagit Copper					
230	Telstar					
231	Twin Sisters		Yes	Exploration, milling	Yes	Production from stockpile
232	Black Jack					
233	Margaret					
234	Mountain Springs					
235	Polar Star					
236	Silver Star	Drilling			Yes	Drilling
237	Wind River				Yes	Development drifting
238	45 mine					
239	China Gap		Yes	Mining (placer)		
240	Index Silver Creek					
241	Lockwood					
242	May Creek mine		Yes	Exploration		
243	Miller Lime quarry					
244	Philo					
245	Tri-Lux					
246	Trout Creek Property					
247	Fruin property					
248	Mica mine	Mined 30,000 tons			Yes	Mined 36,000 tons
249	Pottratz mine	Mining	Yes	Mining		



Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Location	Assumed Section	Latitude (calculated)	Longitude (calculated)	County	First Commodity	All Commodities
250	Somers clay pit	sec. 35, 25N, 44E	35	47.6222	-117.2070	Spokane	Clay	Clay
251	Addy magnesium mine	secs. 13, 14 33N, 39E	14	48.3596	-117.8549	Stevens	Mg	Mg
252	Advance, HC	sec. 18, 39N, 41E	18	48.8800	-117.6850	Stevens	Zn	Zn, Pb, Au, Ag
253	Allan prospect	sec. 28?, 30N, 38E	28	48.0700	-118.0280	Stevens	Barite	Barite
254	Amazon	secs. 31-32, 33N, 41E	31	48.3161	-117.6818	Stevens	Cu	Cu, Ag, Au
255	Ambrose Mining (Sheep Creek)	sec. 16, 40N, 39E	16	48.9639	-117.8587	Stevens	Au	Au placer
256	Bechtol	secs. 23, 26, 39N, 41E	26	48.8510	-117.5965	Stevens	Pb	Pb, Ag, Fe
257	Big Iron (McNally)	sec. 24, 40N, 37E	24	48.9496	-118.0558	Stevens	Au	Au, Fe, W, Ag
258	Blue Creek quarry	sec. 29, 33N, 40E	29	48.3306	-117.7900	Stevens	Silica	Silica
259	Calhoun	sec. 2, 39N, 41E	2	48.9090	-117.5965	Stevens	Zn	Zn, Pb
260	Chewelah Eagle mine	sec. 5, 32N, 41E	5	48.3016	-117.6601	Stevens	Au	Ag, Cu
261	Chewelah Eagle quarry	sec. 5, 32N, 42E	5	48.3016	-117.5303	Stevens	Dolomite	Dolomite
262	Chewelah Group	sec. 5, 32N, 41E	5	48.3016	-117.6601	Stevens	Ag	Ag
263	Cleta group	sec. 22, 27, 40N, 37E	27	48.9353	-118.0996	Stevens	Au	Au, Ag, Cu
264	Copper Penny	sec. 29, 40N, 37E	29	48.9353	-118.1434	Stevens	Au	Au, Ag, Cu
265	Deep Creek	secs. 23-24, 39N, 40E	24	48.8708	-117.6976	Stevens	Zn	Zn, Pb, Ag
266	Deer Trail	sec. 12, 29N, 37E	12	48.0265	-118.0929	Stevens	Ag	Ag, Pb, Zn
267	Eagle	sec. 5, 32N, 41E	5	48.3016	-117.6601	Stevens	Ag	Ag, Cu
268	Eagle Barite (Eagle Mountain)	sec. 33, 33N, 41E	33	48.3161	-117.6385	Stevens	Barite	Barite
269	Easter Sunday	sec. 22, 40N, 37E	22	48.9496	-118.0996	Stevens	Au	Au, Cu
270	Edna	secs. 9-10, 31N, 39E	9	48.2003	-117.8982	Stevens	Cu	Cu, Ag, Au
271	Elbow Lake	sec. 21, 40N, 38E	21	48.9496	-117.9901	Stevens	Au	Au, Ag
272	Electric Point	secs. 17-20, 39N, 42E	19	48.8655	-117.5524	Stevens	Pb	Pb, Ag, Zn, Cu
273	Fifteen Mile Creek	secs. 17-20, 39N, 38E, secs. 13, 24, 39N, 37E	19	48.8638	-118.0339	Stevens	Au	Au, Fe
274	First Thought	secs. 7, 18, 39N, 37E	18	48.8781	-118.1653	Stevens	Au	Au, Ag
275	Flagstaff Mountain	secs. 4, 9, 39N, 39E	9	48.8924	-117.8587	Stevens	Barite	Barite
276	Flodelle Creek	sec. 5, 35N, 42E	5	48.5623	-117.5303	Stevens	U	U
277	Gehrke quarry	sec. 2, 29N, 39E	2	48.0410	-117.8549	Stevens	Dolomite	Dolomite
278	Gold Hill	secs. 9, 10, 16, 36N, 38E	9	48.6347	-118.0280	Stevens	Au	Au, Ag, Cu
279	Gold Hill (Boise Cascade)	secs. 18-19, 39N, 38E	18	48.8781	-118.0339	Stevens	Au	Au, Ag
280	Gold Nugget claims	sec. 20, 40N, 37E	20	48.9496	-118.1434	Stevens	Au	Au, Ag
281	H & B	sec. 15, 29N, 37E	15	48.0120	-118.1362	Stevens	Au	Au, Ag, Pb, Zn
282	Harris	sec. 34, 30N, 42E	34	48.0555	-117.4870	Stevens	Clay	Clay
283	Hope Mountain	secs. 4-5, 8-10, 15, 40N, 37E	9	48.9782	-118.1215	Stevens	Au	Au, Ag, Cu
284	Huckleberry Mtn.	secs. 4, 8, 29N-30N, 38E	8	48.0265	-118.0497	Stevens	Au	Au, Ag, Mo U
285	Iroquois	sec. 1, 19-20, 29-30, 40N, 42E	30	48.9381	-117.5524	Stevens	Zn	Zn, Pb, Ag, Au
286	Janni limestone quarry	sec. 13, 39N, 39E	13	48.8857	-117.8280	Stevens	Limestone	Limestone
287	Joe Janni limestone deposit	sec. 13, 39N, 39E	13	48.8857	-117.8280	Stevens	Limestone	Limestone
288	Just Time	secs. 17-20, 39N, 42E	19	48.8655	-117.5524	Stevens	Ag	Ag, Pb, Zn
289	Kelly Hill	secs. 2, 10-11, 37N, 37E	11	48.7207	-118.0777	Stevens	Au	Au, Ag, Pb
290	Labor Day	sec. 25, 40N, 37E	25	48.9353	-118.0558	Stevens	Au	Au, Ag, Cu, Pb, Zn
291	Lakeview	sec. 19, 40N, 42E	19	48.9526	-117.5524	Stevens	Silica	Silica
292	Lane Mountain quarry	secs. 22, 34, 31N, 39E	34	48.1424	-117.8765	Stevens	Silica	Silica
293	Leadpoint Consolidated properties	secs. 12-13, 39N, 41E, secs. 7-8, 17-18, 39N, 42	18	48.8800	-117.5524	Stevens	Ag	Ag, Pb, Zn
294	McNally	secs. 28, 33-34, 40N, 37E	33	48.9210	-118.1215	Stevens	Au	Au, Ag, Cu, Pb
295	Melrose mine	secs. 27-28, 40N, 41E	27	48.9381	-117.6187	Stevens	Ag	Ag, Cu
296	Moonlight quarry	sec. 24, 38N, 37E	24	48.7779	-118.0558	Stevens	Stone	Stone, decorative
297	Napoleon	sec. 3, 37N, 37E	3	48.7350	-118.0996	Stevens	Au	Au, Fe, Cu
298	Nine quarries	various unknown locations	23	48.1700	-117.7210	Stevens	Dolomite	Dolomite
299	Northwest marble mine; other quarri	sec. 19, 38N, 38E	19	48.7779	-118.0339	Stevens	Dolomite	Dolomite
300	Old Dominion	sec. 9, 35N, 40E	9	48.5478	-117.7683	Stevens	Au	Au, Ag
301	Pierre Creek	sec. 19, 39N, 37E	19	48.8638	-118.1653	Stevens	Au	Au
302	Reed Iron	sec. 14, 30N, 37E	14	48.0989	-118.1146	Stevens	Au	Au
303	Scandia	sec. 23, 39N, 40E	23	48.8708	-117.7194	Stevens	Zn	Zn, Pb, Ag, Au

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Operator /Owner	Deposit setting or type	Activity 1997
250	Somers clay pit	Quarry Tile Co.	Lacustrine clay	Yes
251	Addy magnesium mine	Northwest Alloys Inc.	Dolomite in Cambro-Ordovician Metaline Formation	Yes
252	Advance, HC	Bitterroot Resources Ltd., Mines Management Inc.	Silicified zone in limestone	
253	Allan prospect	Byron Boggs/Al Matovich	Hydrothermal veins	
254	Amazon	Lovejoy Mining Inc.	Mineralized fracture zone in Wallace formation	
255	Ambrose Mining (Sheep Creek)	A. Ambrose	Placer Au	
256	Bechtol	Cominco American Resources Inc.	Mississippi Valley type deposit	
257	Big Iron (McNally)	Pathfinder Gold Corp.	Replacement zone in graywacke	
258	Blue Creek quarry	Northwest Alloys Inc.	Cambrian Addy Quartzite	
259	Calhoun	Bitterroot Resources Ltd.	Mississippi Valley type deposit	
260	Chewelah Eagle mine	Chewelah Eagle Mining Co.	Hydrothermal vein near contact of Flowery Trail granodiorite	
261	Chewelah Eagle quarry	Chewelah Eagle Mining Co.	Metacarbonate rocks	
262	Chewelah Group	Chewelah Eagle Mining Co.	Base metal veins near contact with granodiorite intrusive	
263	Cleta group	David Robbins	Vein/replacement mineralization in Permian Mount Roberts Formation	Yes
264	Copper Penny	Van Horn-Watson Mining Co.	Hydrothermal	
265	Deep Creek	Bitterroot Resources Ltd.	Mississippi Valley type deposit in dolomitic rocks	
266	Deer Trail	McLennon C. Slate Inc.	Quartz vein in argillite and dolomite	
267	Eagle	Chewelah Eagle Mining Co.	Hydrothermal	
268	Eagle Barite (Eagle Mountain)	Lovejoy Mining Inc.	Brecciated barite veins	
269	Easter Sunday	Boise Cascade Corp./Pathfinder Gold Corp.	Hydrothermal	
270	Edna	Edna Mining Group	Dolomite	
271	Elbow Lake	Battle Mountain Gold Corp.	Hydrothermal	
272	Electric Point	The State Mining Co.	Mississippi Valley type deposit in dolomite unit	
273	Fifteen Mile Creek	Pathfinder Gold Corp./Boise Cascade Corp.	Greenstones intruded by granitic rocks	
274	First Thought	Pathfinder Gold Corp./Billiton Minerals USA Inc.	Epithermal mineralization in volcanics	
275	Flagstaff Mountain	Mountain Minerals Co. Ltd. DbA Mountain Minerals Northwest	Massive sedimentary bedded barite	Yes
276	Flodelle Creek	Joy Mining Co.	Hydrothermal	
277	Gehrke quarry	Allied Minerals, Inc.	Dolomite from Stensgar Dolomite (Deer Trail Group)	Yes
278	Gold Hill	Pathfinder Gold Corp., Sundance Mining and Development	Quartz vein and disseminated mineralization in meta-sedimentary rocks Sulfide veins and stockwork cut a Tertiary dike that intrudes Permian meta-sedimentary rocks	
279	Gold Hill (Boise Cascade)	Boise Cascade Corp.	Hydrothermal	
280	Gold Nugget claims	Van Horn-Watson Mining Co.	Hydrothermal	
281	H & B	Blue Silver Mining	Hydrothermal	
282	Harris	North American Refractories Co.	Clay	
283	Hope Mountain	Hope Mountain Mining Ltd.	Metavolcanic rocks cut by porphyry dikes	
284	Huckleberry Mtn.	Minexco Inc.	Hydrothermal	
285	Iroquois	Mines Management Inc., Bitterroot Resources Ltd.	Mississippi Valley-type mineralization in breccia zone of Cambro-Ordovician Metaline Formation	Yes
286	Janni limestone quarry	Peter Janni and Sons	Reeves Limestone of Cambrian Maitlen Phyllite	Yes
287	Joe Janni limestone deposit	Joseph A. & Jeanne F. Janni limestone deposits	Limestone	Yes
288	Just Time	Challin-Ore Mining	Hydrothermal	
289	Kelly Hill	Pegasus Gold Corp., Phelps Dodge Mining Co.	Contact metamorphic/replacement zones in metasedimentary rocks	
290	Labor Day	Lester Willman	Skarn and replacement-type mineralization in Permian rocks	
291	Lakeview	Terra Alta Mining Co.		
292	Lane Mountain quarry	Lane Mountain Silica Co.	Quartzite	Yes
293	Leadpoint Consolidated properties	Leadpoint Consolidated Mines Co.	Replacement and chimney deposits	
294	McNally	Pathfinder Gold Corp.	Replacement deposit cut by dikes	
295	Melrose mine	Cumo Resources Ltd.	Hydrothermal	
296	Moonlight quarry	Whitestone Co.	Dolomite	
297	Napoleon	Kennecott Exploration Co.	Contact metamorphosed metasedimentary rocks	
298	Nine quarries	Nanome Aggregates, Inc.	Dolomite and dolomitic marble	
299	Northwest marble mine; other quarri	Northwest Marble Products Co.	Dolomite	Yes
300	Old Dominion	Syracuse Minerals Ltd.	Hydrothermal	
301	Pierre Creek	Echo Bay Exploration Inc.	Hydrothermal	
302	Reed Iron	Formation Capital Corp.	Gold potential in magnetite-ludwigite-bearing skarn	
303	Scandia	Bitterroot Resources Ltd.	Mississippi Valley type deposit and vein deposit	

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1997	Activity		
			1996	Activity type 1996	
250	Somers clay pit	Used stockpiled ore	Yes	Produced ceramic tile from 1,545 tons of stockpiled ore.	Yes
251	Addy magnesium mine	Mined 586,000 tons dolomite for production of Mg	Yes	Mining, smelting to produce magnesium metal.	Yes
252	Advance, HC				
253	Allan prospect				
254	Amazon				
255	Ambrose Mining (Sheep Creek)				Yes
256	Bechtol				
257	Big Iron (McNally)				
258	Blue Creek quarry				Yes
259	Calhoun				
260	Chewelah Eagle mine				
261	Chewelah Eagle quarry				
262	Chewelah Group				
263	Cleta group	Maintained property	Yes	Maintained or undergoing reclamation activities but where no active mining or exploration.	Yes
264	Copper Penny				
265	Deep Creek				
266	Deer Trail				
267	Eagle				
268	Eagle Barite (Eagle Mountain)				
269	Easter Sunday				
270	Edna				Yes
271	Elbow Lake				
272	Electric Point				
273	Fifteen Mile Creek				
274	First Thought				
275	Flagstaff Mountain	Sampling			
276	Flodelle Creek				
277	Gehrke quarry	Mined 5,000 tons dolomite	Yes	Mined about 3,000 tons.	Yes
278	Gold Hill				
279	Gold Hill (Boise Cascade)				
280	Gold Nugget claims				
281	H & B				
282	Harris				
283	Hope Mountain				
284	Huckleberry Mtn.				
285	Iroquois	Maintained property	Yes	Maintained or undergoing reclamation activities but where no active mining or exploration. Columbia River Carbonates shipped some limestone to their plant in Woodland, WA.	Yes
286	Janni limestone quarry	Leased to Columbia River Carbonates	Yes		
287	Joe Janni limestone deposit	Leased to Columbia River Carbonates	Yes	Leased to Columbia River Carbonates.	
288	Just Time				
289	Kelly Hill				
290	Labor Day				
291	Lakeview				
292	Lane Mountain quarry	Mined 300,000 tons silica	Yes	Mined 300,000 tons, milled at plant near Valley.	Yes
293	Leadpoint Consolidated properties				
294	McNally				
295	Melrose mine				
296	Moonlight quarry				
297	Napoleon				
298	Nine quarries				Yes
299	Northwest marble mine; other quarri	Mining, milling	Yes	Mining, milling, color/site specific aggregate materials for building and industrial applications.	Yes
300	Old Dominion				
301	Pierre Creek				
302	Reed Iron				
303	Scandia				

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1995	Activity		
			1994	Activity type 1994	
250	Somers clay pit	Mining, stockpiling, producing ceramic tile	Yes	Using stockpiled clay	Yes
251	Addy magnesium mine	Mining	Yes	Mining, production of magnesium metal	Yes
252	Advance, HC				
253	Allan prospect		Yes	Property evaluation	
254	Amazon				Yes
255	Ambrose Mining (Sheep Creek)	Limited mining, maintained property	Yes	Maintained property	
256	Bechtol				
257	Big Iron (McNally)				Yes
258	Blue Creek quarry	Maintained property			
259	Calhoun				
260	Chewelah Eagle mine				
261	Chewelah Eagle quarry	Discontinued mining	Yes	Mining by Nanome Aggregates for their Sunlit White product	Yes
262	Chewelah Group				
263	Cleta group	Soil geochemistry	Yes	Geochemistry	Yes
264	Copper Penny				
265	Deep Creek				
266	Deer Trail				Yes
267	Eagle				
268	Eagle Barite (Eagle Mountain)		Yes	Maintained property	Yes
269	Easter Sunday				
270	Edna	Maintain property			
271	Elbow Lake				
272	Electric Point				Yes
273	Fifteen Mile Creek				
274	First Thought				
275	Flagstaff Mountain	Trying to sell property	Yes	Reviewing and ranking all barite properties	
276	Flodelle Creek				
277	Gehrke quarry	Mining, milling	Yes	Mining, milling	Yes
278	Gold Hill				
279	Gold Hill (Boise Cascade)				
280	Gold Nugget claims				
281	H & B				
282	Harris				
283	Hope Mountain				
284	Huckleberry Mtn.				
285	Iroquois	Maintain property	Yes	Maintained property	
286	Janni limestone quarry	Leased to Pluess-Stauffer Ind.		Leased to Pluess-Stauffer Ind.	
287	Joe Janni limestone deposit	Leased to Pluess-Stauffer Ind.			
288	Just Time				
289	Kelly Hill				Yes
290	Labor Day				
291	Lakeview				
292	Lane Mountain quarry	Mining, milling	Yes	Mining, milling	Yes
293	Leadpoint Consolidated properties				
294	McNally				
295	Melrose mine				
296	Moonlight quarry		Yes	Mining	Yes
297	Napoleon				
298	Nine quarries	Ceased operations in 1995	Yes	Mining, milling	Yes
299	Northwest marble mine; other quarri	Mining, milling, supplying color/site specific products	Yes	Mining, milling	Yes
300	Old Dominion				
301	Pierre Creek				
302	Reed Iron				
303	Scandia				

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1993	Activity 1992		Activity 1991		Activity 1990
			Activity 1992	Activity type 1992	Activity 1991	Activity type 1991	
250	Somers clay pit	Using stockpiled clay	Yes	Mining	Yes	Mining	
251	Addy magnesium mine	Mining, production of Mg	Yes	Mining	Yes	Mining, production of Mg	Yes
252	Advance, HC		Yes	Exploration	Yes	Exploration	Yes
253	Allan prospect						
254	Amazon	Maintained property					
255	Ambrose Mining (Sheep Creek)	Placer mining on hold	Yes	Mining and prospecting	Yes	Placer mining, prospecting	Yes
256	Bechtol				Yes	Drilling	
257	Big Iron (McNally)	Drilling	Yes	Geologic mapping, geochemistry, geophysics, drilling	Yes	Geologic mapping, geochemistry, geophysics	Yes
258	Blue Creek quarry						
259	Calhoun				Yes	Exploration	Yes
260	Chewelah Eagle mine						
261	Chewelah Eagle quarry	Mining by Nanome Aggregates	Yes	Mining	Yes	Mining by Nanome Aggregates	Yes
262	Chewelah Group						
263	Cleta group	Geochemistry	Yes	Shaft reclamation, exploration			
264	Copper Penny		Yes	Drilling, underground drifting			
265	Deep Creek				Yes	Exploration	Yes
266	Deer Trail	Exploration					
267	Eagle						
268	Eagle Barite (Eagle Mountain)	Maintained property	Yes	Assessment work, ship 2 truckloads	Yes	Mining, evaluation	
269	Easter Sunday						Yes
270	Edna						
271	Elbow Lake						Yes
272	Electric Point	Maintained property	Yes	Exploration			
273	Fifteen Mile Creek		Yes	Drilling, dropped property	Yes	Drilling	Yes
274	First Thought		Yes	Soil geochemistry, exploration	Yes	Drilling	Yes
275	Flagstaff Mountain	Awaiting favorable market conditions	Yes	Mill started up, then put on hold	Yes	Refurbished mill	
276	Flodelle Creek						
277	Gehrke quarry	Mining, milling	Yes	Mining, milling	Yes	Mining, milling	
278	Gold Hill				Yes	Geophysics	Yes
279	Gold Hill (Boise Cascade)						
280	Gold Nugget claims						
281	H & B						
282	Harris						
283	Hope Mountain		Yes	Exploration	Yes	Exploration	
284	Huckleberry Mtn.						
285	Iroquois				Yes	Exploration	Yes
286	Janni limestone quarry	Leased to Vermont Marble Co.		Property leased		Leased to Pluess-Staufer	
287	Joe Janni limestone deposit	Leased to Pluess-Staufer Ind.		Property leased		Leased to Pluess-Staufer	
288	Just Time						
289	Kelly Hill	Drilled, dropped property	Yes	Drilling, dropped property	Yes	Exploration	Yes
290	Labor Day		Yes	Exploration, geophysics			
291	Lakeview						
292	Lane Mountain quarry	Mining and milling	Yes	Mining, milling	Yes	Mining, milling	Yes
293	Leadpoint Consolidated properties		Yes	Exploration	Yes	Surface sampling	Yes
294	McNally				Yes	Drilling	Yes
295	Melrose mine						
296	Moonlight quarry	Mining	Yes	Mining			
297	Napoleon				Yes	Drilled, dropped property	
298	Nine quarries	Mining, milling	Yes	Mining, milling	Yes	Mining, milling	
299	Northwest marble mine; other quarri	Mining, milling, drying magnesite	Yes	Mining, milling	Yes	Mining, milling	
300	Old Dominion						
301	Pierre Creek						Yes
302	Reed Iron						
303	Scandia				Yes	Exploration	Yes

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1990	Activity 1989	Activity type 1989	Activity 1988	Activity type 1988	Activity 1987
250	Somers clay pit						
251	Addy magnesium mine	Mining, production of Mg	Yes	Mined 700,000 tons	Yes	Mined 760,000 tons	Yes
252	Advance, HC	Exploration	Yes	Leased to Equinox			
253	Allan prospect						
254	Amazon						
255	Ambrose Mining (Sheep Creek)	Dredging	Yes	Dredging	Yes	Dredging	Yes
256	Bechtol						
257	Big Iron (McNally)	Exploration, staked claims					
258	Blue Creek quarry		Yes	Mined 12,000 tons	Yes	Mined 20,000 tons	
259	Calhoun	Exploration					
260	Chewelah Eagle mine		Yes	Drilling, sampling, road development			
261	Chewelah Eagle quarry	Mining					Yes
262	Chewelah Group				Yes	Drilling	
263	Cleta group						
264	Copper Penny		Yes	Drilling	Yes	Mapping, sampling	
265	Deep Creek	Exploration					
266	Deer Trail						
267	Eagle		Yes	Drilling, sampling road development	Yes	Drilling, road building	
268	Eagle Barite (Eagle Mountain)						
269	Easter Sunday	Exploration					
270	Edna						
271	Elbow Lake	Drilling					
272	Electric Point						
273	Fifteen Mile Creek	Exploration			Yes	Exploration	
274	First Thought	Drilling	Yes	Geologic mapping	Yes	Drilling	Yes
275	Flagstaff Mountain						Yes
276	Flodelle Creek						
277	Gehrke quarry		Yes	Mining			
278	Gold Hill	Exploration	Yes	Sampling			
279	Gold Hill (Boise Cascade)		Yes	Sampling			
280	Gold Nugget claims		Yes	Drilling	Yes	Mapping, sampling	
281	H & B		Yes	Mine development	Yes	Mining of 6,000 tons of lead, zinc, silver, gold ore	
282	Harris						
283	Hope Mountain						
284	Huckleberry Mtn.						
285	Iroquois	Exploration	Yes	Leased to Equinox			
286	Janni limestone quarry	Leased to Pluess Staufer					
287	Joe Janni limestone deposit						
288	Just Time						
289	Kelly Hill	Exploration					
290	Labor Day						
291	Lakeview						
292	Lane Mountain quarry	Mining	Yes	Mined 300,000 tons	Yes	Mined 300,000 tons	Yes
293	Leadpoint Consolidated properties	Surface sampling	Yes	Surface sampling	Yes	Surface sampling	Yes
294	McNally	Drilling	Yes	Drilling	Yes	Exploration	
295	Melrose mine		Yes	Exploration			
296	Moonlight quarry						
297	Napoleon	Negotiating					
298	Nine quarries	Sold to Meridian Minerals					
299	Northwest marble mine; other quarri						
300	Old Dominion						
301	Pierre Creek	Drilling					
302	Reed Iron		Yes	Exploration			
303	Scandia	Exploration					

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1987	Activity 1986	Activity type 1986	Activity 1985	Activity type 1985
250	Somers clay pit					
251	Addy magnesium mine	Mined 500,000 tons	Yes	Mining		
252	Advance, HC		Yes	Exploration	Yes	Exploration
253	Allan prospect					
254	Amazon					
255	Ambrose Mining (Sheep Creek)	Dredging	Yes	Dredging		
256	Bechtol					
257	Big Iron (McNally)					
258	Blue Creek quarry			No production reported	Yes	Mining
259	Calhoun				Yes	Drilling
260	Chewelah Eagle mine					
261	Chewelah Eagle quarry	Leased quarry	Yes	Mining	Yes	Mined 300 tons
262	Chewelah Group					
263	Cleta group					
264	Copper Penny					
265	Deep Creek					
266	Deer Trail					
267	Eagle					
268	Eagle Barite (Eagle Mountain)					
269	Easter Sunday					
270	Edna					
271	Elbow Lake					
272	Electric Point					No production due to market conditions
273	Fifteen Mile Creek					
274	First Thought	Drilling, sampling		Under lease	Yes	Drilling
275	Flagstaff Mountain	Sampling, mapping				
276	Flodelle Creek				Yes	Perfecting milling process
277	Gehrke quarry		Yes	Mining, milling		
278	Gold Hill			Leased to Vulcan Mountain	Yes	Sampling, mapping; 2500 tons mined
279	Gold Hill (Boise Cascade)					
280	Gold Nugget claims				Yes	Exploration
281	H & B		Yes	Mining, reconnaissance		
282	Harris				Yes	Mining
283	Hope Mountain					
284	Huckleberry Mtn.		Yes	Geological reconnaissance	Yes	Exploration
285	Iroquois		Yes	Exploration	Yes	Exploration
286	Janni limestone quarry			Under lease		
287	Joe Janni limestone deposit					
288	Just Time					No production due to market conditions
289	Kelly Hill					
290	Labor Day					
291	Lakeview				Yes	Reconnaissance
292	Lane Mountain quarry	Mining, milling	Yes	Mining, milling, expansion	Yes	Mined 152,000 tons
293	Leadpoint Consolidated properties	Exploration	Yes	Assessment work	Yes	Exploration
294	McNally				Yes	Exploration
295	Melrose mine					
296	Moonlight quarry					
297	Napoleon					
298	Nine quarries		Yes	Mining		
299	Northwest marble mine; other quarries		Yes	Mining		
300	Old Dominion				Yes	Exploration, drilling
301	Pierre Creek					
302	Reed Iron					
303	Scandia					

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Location	Assumed Section	Latitude (calculated)	Longitude (calculated)	County	First Commodity	All Commodities
304	Schuer Bet	secs. 27-28, 35N, 39E	28	48.5044	-117.8982	Stevens	Au	Au
305	Several properties	secs. 17-20, 37N, 42E	19	48.6914	-117.5524	Stevens	Ag	Ag,Pb,Zn
306	Sherve quarry	sec. 8, 39N, 40E	8	48.9005	-117.7846	Stevens	Limestone	Limestone
307	Sherwood project	secs. 1-2, 34-36, 28N, 37E	35	47.8813	-118.1075	Stevens	U	U
308	Shoemaker mine	sec. 8, 36N, 40E	8	48.6347	-117.7900	Stevens	Zn	Zn, Pb
309	Sierra Zinc	secs. 19-20, 29-30, 38N, 41E	30	48.7639	-117.6850	Stevens	Zn	Zn, Pb
310	Silver King mine	unknown sections, 39N, 40E	22	48.8708	-117.7411	Stevens	Au	Au, Pb, Zn
311	Silver Star Dolomite mine	sec. 22, 29N, 37E	22	47.9976	-118.1362	Stevens	Ag	Ag, barite, dolomite
312	Staghorn Mountain	sec. 3, 37N, 39E; sec. 34, 38N, 39E	3	48.7371	-117.8715	Stevens	Cu	Cu, Zn, Pb, Ag, au
313	State leases	secs. 4, 8, 29N, 38E	4	48.0410	-118.0280	Stevens	Au	Au, Ag, Mo, U
314	Toulou Mountain	sec. 6, 30-31, 39N, 37E	31	48.8351	-118.1653	Stevens	Zn	Zn, Pb, Cu, Ag, Au
315	Turk Magnesite	sec. 36, 30N, 37E	36	48.0555	-118.0929	Stevens	Mg	Mg
316	Twilight Canyon	sec. 9, 33N, 38E	9	48.3741	-118.0280	Stevens	Zn	Zn,Pb,Ag
317	United Copper	secs. 31-32, 33N, 41E	31	48.3161	-117.6818	Stevens	Cu	Cu, Ag, Au
318	Unnamed (gold)	secs. 23-24, 40N, 37E	23	48.9496	-118.0777	Stevens	Au	Au,Ag
319	Uranwash, New Indian, Henry claims	sec. 13, 40N, 36E	13	48.9639	-118.1872	Stevens	Au	Au, Ag,Cu,Pb,Zn
320	Van Stone mine	sec. 33, 38N, 40E	33	48.7520	-117.7628	Stevens	Zn	Zn, Pb, Cd
321	Weed lease	sec. 20, 40N, 37E	20	48.9496	-118.1434	Stevens	Au	Au, Ag, Cu, Pb
322	West Dolomite mine	sec. 12, 33N, 39E	12	48.3741	-117.8333	Stevens	Dolomite	Dolomite
323	White Elephant	sec. 19, 40N, 37E	19	48.9496	-118.1653	Stevens	Au	Au
324	White quarry	sec. 10, 38N, 37E	10	48.8065	-118.0996	Stevens	Dolomite	Dolomite
325	Whitstone quarry	sec. 34, 39N, 38E	34	48.8351	-117.9682	Stevens	Stone	Stone, decorative
326	Young America	secs. 28, 33, 38N, 38E	33	48.7520	-118.0237	Stevens	Zn	Zn, Pb, Ag, Au, Cu
327	Bucoda pit	sec.14, 15N, 2W	14	46.7862	-122.8965	Thurston	Clay	Clay
328	Azurite	sec. 30, 37N, 17E	30	48.6777	-120.7933	Whatcom	Au	Au, Ag, Cu, Pb
329	Excelsior	secs. 5-6, 39N, 8E	6	48.8960	-121.8162	Whatcom	Au	Au, Ag
330	Kendall quarry	secs. 14-16, 22-23, 40N, 5E	15	48.9529	-122.1438	Whatcom	Limestone	Limestone
331	Lone Jack	secs. 22-23, 40N, 9E	22	48.9387	-121.6197	Whatcom	Au	Au, Ag
332	Loomis Mountain	secs. 19-20, 29, 32, 37N, 8E	29	48.6683	-121.7944	Whatcom	Cu	Cu, Zn
333	Maple Falls quarry	secs. 7, 18, 40N, 6E	18	48.9529	-122.0783	Whatcom	Limestone	Limestone
334	Minnesota	sec. 2, 37N, 16E	2	48.7350	-120.8371	Whatcom	Au	Au, Ag, Cu
335	New Light	sec. 27, 38N, 17E	27	48.7636	-120.7276	Whatcom	Au	Au, Ag
336	Silver Lake quarry	sec. 7, 40N, 6E	7	48.9672	-122.0783	Whatcom	Limestone	Limestone
337	South Pass Nickel	sec. 2, 39N, 4E; sec. 35, 40N, 4E	2	48.8960	-122.2530	Whatcom	Ni	Ni, Co, Sc, Cr
338	Swen Larsen quarry	sec. 34, 38N, 6E	34	48.7395	-122.0128	Whatcom	Olivine	Olivine
339	Morse Creek	sec. 31, 17N, 11E	31	46.9147	-121.4627	Yakima	Au	Au, Ag



Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Operator /Owner	Deposit setting or type	Activity 1997
304	Schuer Bet	Yamana Resources	Skarn mineralization along limestone-granite contact	Yes
305	Several properties	Canorex International Inc.	No data	
306	Sherve quarry	Northport Limestone Co.	Limestone of Metaline formation	Yes
307	Sherwood project	Western Nuclear Inc.	Hydrothermal	
308	Shoemaker mine	Cordilleran Development Inc.	Hydrothermal	
309	Sierra Zinc	Cordilleran Development Inc.	Mississippi Valley type deposit	
310	Silver King mine	Silver King Mines	Hydrothermal	
311	Silver Star Dolomite mine	Mine Tech Corp.	Hydrothermal	
312	Staghorn Mountain	Kennecott Exploration Co.	Slate-argillite breccia	
313	State leases	Minexco Inc.	No data	
314	Toulou Mountain	Northwest Minerals Ltd., Pathfinder Gold Corp.	Exhalative/contact metamorphism in Permian volcanoclastic rocks	Yes
315	Turk Magnesite	Osprey Resources	Magnesitization of Proterozoic Y Stensgar Dolomite	
316	Twilight Canyon	Westmont Mining Inc./International Curator Resources	Mississippi Valley type deposit in dolomitic rocks	
317	United Copper	Lovejoy Mining Inc.	Mineralized fracture zone	
318	Unnamed (gold)	Placer Dome US Inc.	Skarn, replacement, and stockwork mineralization possible in Permian-Triassic rocks	
319	Uranwash, New Indian, Henry claim	Merle Loudon, Betty Sanstrom	Vein mineralization	
320	Van Stone mine	Zicor Mining Ltd., Equinox Resources	Mississippi Valley type deposit in Cambro-Ordovician Metaline Formation	Yes
321	Weed lease	Van Horn-Watson Mining Co.	Hydrothermal	
322	West Dolomite mine	Northwest Alloys Inc.	Dolomite	
323	White Elephant	Newmont Exploration Inc.	Hydrothermal	
324	White quarry	Northwest Marble Products Co.	No data	
325	Whitestone quarry	Whitestone Co.	Marble in Maitlen Phyllite	
326	Young America	Silver Hill Mines Inc.	Mineralization in brecciated limestone	
327	Bucoda pit	Mutual Materials Co.	Glacial clay overlying silty clay	
328	Azurite	Double Dragon Exploration Inc.	Veins in sedimentary rocks	Yes
329	Excelsior	Steelhead Gold Inc.	Hydrothermal	
330	Kendall quarry	Tilbury Cement Co.	Limestone	
331	Lone Jack	Diversified Development Co.	Quartz veins	Yes
332	Loomis Mountain	Cannon Minerals	Hydrothermal	
333	Maple Falls quarry	Clauson Lime Co.	Limestone	Yes
334	Minnesota	Seattle-St. Louis Mining Co.	Quartz veins in argillite and feldspathic sandstone	Yes
335	New Light	Lion Mines Ltd., Western Gold Mining Inc.	Slate-argillite breccia	Yes
336	Silver Lake quarry	Clauson Lime Co.	Sheared, jointed limestone	
337	South Pass Nickel	Consolidated Viscount Resources, Ltd., Jackpine Mining Co., R.E. Kur	Re-sedimented laterite	Yes
338	Swen Larsen quarry	Olivine Corp.	Dunite ultramafic igneous body	Yes
339	Morse Creek	Ardic Exploration & Development, Ltd.	Epithermal mineralization in Oligocene tuffs	Yes

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1997	Activity	
			1996	Activity type 1996
304	Schuer Bet	Drilling, dropped property		
305	Several properties			
306	Sherve quarry	Mined 30,000 tons limestone	Yes	Mined 40,000 tons, processed on site.
307	Sherwood project			Yes
308	Shoemaker mine			
309	Sierra Zinc			
310	Silver King mine			
311	Silver Star Dolomite mine			
312	Staghorn Mountain			
313	State leases			
314	Toulou Mountain	Maintained property	Yes	Obtained property, reconnaissance exploration
315	Turk Magnesite			
316	Twilight Canyon			
317	United Copper			
318	Unnamed (gold)			
319	Uranwash, New Indian, Henry claims		Yes	Maintained or undergoing reclamation activities but where no active mining or exploration.
				Maintained or undergoing reclamation activities but where no active mining or exploration.
320	Van Stone mine	Maintained property	Yes	Yes
321	Weed lease			
322	West Dolomite mine			
323	White Elephant			
324	White quarry			
325	Whitestone quarry			
326	Young America			
327	Bucoda pit			
328	Azurite	Maintained property	Yes	Maintained or undergoing reclamation activities but where no active mining or exploration.
329	Excelsior			
330	Kendall quarry			
331	Lone Jack	Maintained property	Yes	Mining, but ore grade dropped to 3/4 ounce, precluding profitable shipping to East Helena; re-evaluating for 1997.
332	Loomis Mountain			
333	Maple Falls quarry	Mined 125,000 tons limestone	Yes	Mined about 60,000 tons, used for rip rap and some aggregate and landscape rock.
334	Minnesota	Maintained property	Yes	Maintained or undergoing reclamation activities but where no active mining or exploration.
335	New Light	Maintained property	Yes	Maintained or undergoing reclamation activities but where no active mining or exploration.
336	Silver Lake quarry			
337	South Pass Nickel	Testing extracting feasibility	Yes	Obtained property, planning winter exploration program.
338	Swen Larsen quarry	Mined and milled 40,000 tons olivine	Yes	Mined and milled 41,000 tons for refractory/incinerator uses; majority of production used by UNIMIN Corp.
339	Morse Creek	Maintained property	Yes	Maintained or undergoing reclamation activities but where no active mining or exploration.

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1995	Activity 1994	Activity type 1994	Activity 1993
304	Schuer Bet				
305	Several properties				
306	Sherve quarry	Mining, milling, drilling	Yes	Mining, milling	Yes
307	Sherwood project				
308	Shoemaker mine				
309	Sierra Zinc				
310	Silver King mine				
311	Silver Star Dolomite mine				
312	Staghorn Mountain		Yes	Geologic mapping, geophysics, drilling	
313	State leases				
314	Toulou Mountain				
315	Turk Magnesite				Yes
316	Twilight Canyon				
317	United Copper				
318	Unnamed (gold)				
319	Uranwash, New Indian, Henry claim	Maintain property	Yes	Geochemistry	
320	Van Stone mine	Purchase property	Yes	Maintained property, attempting to sell property	Yes
321	Weed lease				
322	West Dolomite mine				
323	White Elephant				
324	White quarry				
325	Whitestone quarry				Yes
326	Young America				
327	Bucoda pit	Idle	Yes	Mining	Yes
328	Azurite	Maintain property	Yes	Maintained property	Yes
329	Excelsior				
330	Kendall quarry		Yes	Mining	Yes
331	Lone Jack	Mining, shipped ore to East Helena, mine development	Yes	Mining, shipped ore to East Helena, MT	Yes
332	Loomis Mountain				
333	Maple Falls quarry	Mining	Yes	Mining	
334	Minnesota	Maintained property, limited exploration	Yes	Geologic Mapping, maintenance and rehabilitation of old adits, limited exploration	Yes
335	New Light	Maintained property, site rehabilitation	Yes	Maintained property	Yes
336	Silver Lake quarry				Yes
337	South Pass Nickel	Obtained property, planning winter exploration program	Yes	Drilling, dropped property	Yes
338	Swen Larsen quarry	Mining, milling, producing refractory olivine incineration systems	Yes	Mining, milling, production of olivine (refractory) incineration systems	Yes
339	Morse Creek	Maintain property	Yes	Maintained property	Yes

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1993	Activity 1992	Activity type 1992	Activity 1991	Activity type 1991	Activity 1990
304	Schuer Bet						
305	Several properties						
306	Sherve quarry	Mining, milling	Yes	Mining, milling	Yes	Mining, milling	Yes
307	Sherwood project						
308	Shoemaker mine						
309	Sierra Zinc						
310	Silver King mine						
311	Silver Star Dolomite mine						
312	Staghorn Mountain						
313	State leases						
314	Toulou Mountain				Yes	Geophysics	Yes
315	Turk Magnesite	Evaluation	Yes	Evaluation	Yes	Drilling, evaluation	
316	Twilight Canyon						
317	United Copper		Yes	Maintained underground access	Yes	Evaluating	
318	Unnamed (gold)						Yes
319	Uranwash, New Indian, Henry claims						
320	Van Stone mine	Stopped mining in mid-January	Yes	Resumed mining after winter shut down	Yes	Mining, milling	Yes
321	Weed lease						
322	West Dolomite mine						
323	White Elephant						
324	White quarry						
325	Whitestone quarry	Mining	Yes	Mining			
326	Young America		Yes	Exploration	Yes	Exploration	Yes
327	Bucoda pit	Using stockpiled clay	Yes	Mining	Yes	Mining	
328	Azurite	Maintained property, seeking permits	Yes	Sampling, clean up work	Yes	Repaired road to mine, sampling	
329	Excelsior						
330	Kendall quarry	Mining	Yes	Mining	Yes	Mining	Yes
331	Lone Jack	Mining					
332	Loomis Mountain		Yes	Geologic mapping, trenching			
333	Maple Falls quarry						
334	Minnesota	Geologic mapping, geochemistry , maintenance/renovation	Yes	Mapping, geochemistry	Yes	Sampling, maintenance	Yes
335	New Light	Maintained property	Yes	Exploration	Yes	Exploration	Yes
336	Silver Lake quarry	Mining	Yes	Mining	Yes	Mining	
337	South Pass Nickel	Geologic mapping, geochemistry , geophysics	Yes	Mapping, geochemistry , geophysics	Yes	Exploration	
338	Swen Larsen quarry	Mining, milling	Yes	Mining, milling	Yes	Mining, milling	Yes
339	Morse Creek	Maintained property	Yes	Drilling	Yes	Drilling	Yes

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1990	Activity 1989	Activity type 1989	Activity 1988	Activity type 1988	Activity 1987
304	Schuer Bet						
305	Several properties						
306	Sherve quarry	Mining	Yes	Mined 40,000 tons	Yes	Mined 45,000 tons	Yes
307	Sherwood project						
308	Shoemaker mine		Yes	Mined for part of year			
309	Sierra Zinc		Yes	Lease option			
310	Silver King mine		Yes	Exploration			
311	Silver Star Dolomite mine						
312	Staghorn Mountain						
313	State leases						
314	Toulou Mountain	Exploration	Yes	Sampling			
315	Turk Magnesite						
316	Twilight Canyon						Yes
317	United Copper				Yes	Assessment work	
318	Unnamed (gold)	Staked claims					
319	Uranwash, New Indian, Henry claims						
320	Van Stone mine	Pre-production development (just purchased)	Yes	Feasibility study			
321	Weed lease						
322	West Dolomite mine						
323	White Elephant		Yes	Drilling			
324	White quarry						
325	Whitestone quarry						
326	Young America	Just acquired property					
327	Bucoda pit		Yes	Mined 8,000 cubic yards			
328	Azurite						
329	Excelsior	Dropped property	Yes	Optioned and drilled by FMC		Announced reserves	Yes
330	Kendall quarry	Mining	Yes	Mined 9,000 tons			Yes
331	Lone Jack						
332	Loomis Mountain		Yes	Geologic mapping, sampling			
333	Maple Falls quarry						Yes
334	Minnesota	Exploration	Yes	Exploration	Yes	Exploration	Yes
335	New Light	Surface sampling	Yes	Surface and underground sampling	Yes	Sampling	Yes
336	Silver Lake quarry		Yes	Mining			
337	South Pass Nickel						
338	Swen Larsen quarry	Mining	Yes	Mined 80,000 tons	Yes	Mining	Yes
339	Morse Creek	Exploration, geochemistry					Yes

Appendix II - Table of mineral industry activity in Washington, 1985-1997. (cont.)

No.	Property name	Activity type 1987	Activity		Activity	
			1986	Activity type 1986	1985	Activity type 1985
304	Schuer Bet					
305	Several properties				Yes	Exploration
306	Sherve quarry	Mining, crushing	Yes	Mining, milling		
307	Sherwood project				Yes	Mine on hold
308	Shoemaker mine					
309	Sierra Zinc					
310	Silver King mine					
311	Silver Star Dolomite mine				Yes	Exploration
312	Staghorn Mountain					
313	State leases		Yes	Reconnaissance		
314	Toulou Mountain					
315	Turk Magnesite	Acquired state lease				
316	Twilight Canyon	Drilling				
317	United Copper					
318	Unnamed (gold)					
319	Uranwash, New Indian, Henry claims					
320	Van Stone mine					
321	Weed lease		Yes	Exploration		
322	West Dolomite mine				Yes	Mining
323	White Elephant					
324	White quarry		Yes	Mining, milling		
325	Whitestone quarry					
326	Young America					
327	Bucoda pit		Yes	Mining	Yes	Mining
328	Azurite					
329	Excelsior	Exploration, drilling				
330	Kendall quarry	Produced 300,000 tons, closed	Yes	Mining, milling	Yes	Mined 850,000 tons
331	Lone Jack					
332	Loomis Mountain					
333	Maple Falls quarry	Mining				
334	Minnesota	Exploration	Yes	Trenching, sampling	Yes	Surface trenching, reopening old workings
335	New Light	Mine rehabilitation	Yes	Open pit and underground sampling	Yes	Geologic mapping
336	Silver Lake quarry					
337	South Pass Nickel					
338	Swen Larsen quarry	Mined 100,000 tons	Yes	Mining, milling	Yes	Mining, milling
339	Morse Creek	Drilling, geochemistry	Yes	Geochemistry		