

Geologic datasets for weights of evidence analysis in Northeast Washington—

3. Minerals-related permits on national forests, 1967 to 1998.

by D.E. Boleneus¹

Open-File Report 99-414

1999

Manuscript approved August 30, 1999

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards. Any use of trade, product, or firm names is for descriptive purposes only and does not imply endorsement by the U.S. Government.

Although these programs are used by the US Geological Survey, no warranty, expressed or implied, is made by the USGS as to the accuracy and functioning of the programs and related program materials, nor shall the fact of distribution constitute any such warranty, and no responsibility is assumed by the USGS in connection herewith.

The digital data are not meant to be used or displayed at any scale larger than 1:24,000.

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

¹ U.S. Geological Survey, Spokane, Washington 99201

Contents

Abstract	3
Introduction	3
Description of data.....	4
How to obtain digital data	7
References	7
Appendix I. Table of Plans of Operation and Notices of Intent filed in Colville, Kaniksu, Okanogan, and Wenatchee National Forests, Washington State.....	8
Appendix II. Metadata.....	25

Figures

Figure 1. Map showing locations of Plans of Operation or Notices of Intent within the Colville, Kaniksu, Okanogan and Wenatchee National Forests in Washington.	6
--	---

Abstract

Permits to explore for and (or) develop mineral resources on forest land can be used to indicate locations and types of mineral-related activities on national forests. Permits for these activities require filing at the Forest Service a Notice of Intention (Notice) to conduct mineral exploration activities and (or) a Plan of Operation (Plan). A Plan of Operation is required if significant activities are anticipated. This compilation of Notices and Plans for the Colville, Kaniksu, Okanogan, and Wenatchee National Forests between 1967 and 1998 is intended for use in combination with geologic and economic information to predict future mineral-related activities in the region.

Introduction

Purpose and problem. Plans of Operation and Notices of Intent are used by the US Geological Survey to indicate the location, purpose and other data about exploration and mining activity for minerals on national forest lands in northeast Washington. Plans and Notices and other mineral data bases are necessary to perform spatial modeling of mineral resources and predict future minerals-related activity in the region, as requested by the Forest Service.

The Forest Service, as part of its function as a land-managing agency² as described in the Code of Federal Regulations (Office of National Archives and Records Administration, 1990), is responsible for developing, adopting and applying land management plans³ on national forest system lands. The Forest Service requested the US Geological Survey supply minerals-related information in the development of several forest plans. In particular, the Forest Service needs to know where mineral developments may be reasonably foreseen. Other types of data that are related to predicting mineral activity on forest lands are in various stages of collection and analyses. These data include mining claims, Plans and Notices on public land managed by the Bureau of Land Management (unpublished data) and records of mineral industry activities in Washington State summarized by Washington Department of Natural Resources (unpublished data)

Definitions. To minimize environmental impacts on national forest resources, Plans and Notices are recorded with the Forest Service District Ranger in conjunction with any operations involving national forest lands under the US mining laws⁴. Plans and Notices to conduct exploration recorded with the local US Forest Service offices indicate the intent of a party to conduct work on the ground of a specified parcel of national forest land. Generally, Plans or Notices are re-filed annually for each year that activity is expected. A Notice of Intention to operate is required from any operator proposing to conduct operations which might cause disturbance of surface resources. It must identify the area involved, the nature of the proposed operation, the route of access and the method of transport. If the District Ranger determines that such operation will likely cause significant disturbance of surface resources, use

² as defined in Title 36, Code of Federal Regulations (CFR), Part 200

³ as defined in Title 36, CFR, Part 219

⁴ as defined in Title 36, CFR, Part 228

mechanized equipment, or involve the cutting of trees, the operator shall submit a proposed Plan of Operations⁵.

Method. The USGS with the assistance of the USFS personnel collected and compiled data about Plans and Notices that were located in files from various Forest Service offices of the Wenatchee, Okanogan, Colville, and Kaniksu National Forests. (Figure 1).

Data collected from local USFS offices span the period 1967-1998. However, the data available varied widely in detail and availability in earlier years and depended on the data retained in local Forest Supervisor or district files. In the Okanogan National Forest, data provided were mostly within the period of 1990-1997. In the Colville National Forest, data provided were mostly within the period of 1992-1997. In the Wenatchee National Forest, data provided were generally during the period 1978-1998. Only one Notice is known from the Kaniksu National Forest (managed by Idaho Panhandle Forests) within Washington State. It occurred during 1985-1986

To create a point coverage that could be used in a geographic information system, a latitude and longitude were needed to locate each permit. The latitude and longitude were calculated for a central point in a section selected within the permit area. For permits occupying two or more sections, this was done by arbitrarily selecting an "assumed section" that occupied the center of the permit's area. The calculation method from township-range-section to latitude-longitude then uses the freeware script, 'TRS2LL' (Martin Wefald, written commun.). The resulting latitude and longitude refer to a point in the center of the assumed section.

Acknowledgements. I would like to acknowledge the considerable and valuable assistance of Rod Lentz, geologist, US Forest Service, Okanogan, WA for making available much of the data for the Colville and Okanogan National Forests and for reviewing this report. John Simmons, Denny McMillan, Keith Anderson, Keith Kelly, and Les Julian of the Forest Service provided much assistance in securing data from the Wenatchee National Forest. Derrick Chase, geology student at Eastern Washington University, Cheney, WA assisted in compiling a part of the data on the spreadsheet.

Description of data

Information compiled here includes data about metallic and non-metallic mineral exploration or mining sites. Appendix 1 contains a table of 366 records of Plans and Notices for these sites. For each site data include permit number, type of permit (plan, notice), forest name, applicant or company, primary commodity, a list of all commodities, longitude, latitude, starting year of permit, ending year of permit, local identifier number used by the Forest Service office, project name, purpose, district name, state, and location of permit by township, range, and section(s). An eight-digit number is used to create a unique number for each permit. The first digit indicates the Forest region (1=Pacific Northwest), the 2nd-3rd digits indicate the Forest name (14=Colville, 17=Okanogan, 19=Wenatchee), the 4th-5th digits indicate the forest district, and the 6th–8th digits indicate the permit number. The 9th digit (right of the decimal) indicates successive years or townships where two or more records compose one permit.

Primary commodities or deposit types included in the data are agate, gold, (placer or paleo-placer), gold-polymetallic, copper, copper-polymetallic, lead-polymetallic, silver, talc, tungsten, uranium,

⁵ 36CFR Part 228.4

and zinc. Sites for common variety sand, gravel, stone and recreation gold placer operations were not included. Recreation gold placer permits using sluicing, panning and suction dredging are issued by the State of Washington and are known as Hydraulic Project Approval (HPA) permits. Washington State issued 6,227 HPAs on waters within the Wenatchee National Forest and at least 1,027 HPAs in the Colville and Okanogan National Forests during 1993-1995. Plans or Notices issued for gold placer operations included in Appendix 1 are non-HPA sites.

In nearly all cases, one record in Appendix 1 represents one Plan or Notice. Plans or Notices that occupy multiple sections are also represented by one point located by the calculated latitude and longitude as described above, with the following exceptions. A Plan or Notice occupying sections in two or more townships is represented by two or more records corresponding to the number of townships reported. One exception, the Western Land and Resource Notice (61402004-61402007) was filed for 48 townships occupying all of the northern one-half of Ferry County and adjacent parts of Stevens and Okanogan counties. The corners of this area are represented by four points, which define the corners of its rectangular outline on Figure 1.

The Notices for Minatome Corp. (10408002, 10408003) lie east of the boundary of the Colville National Forest and near the border with Idaho. This site occurs within the Kaniksu National Forest (managed by the Idaho Panhandle National Forests), although the boundary of the Kaniksu National Forest is not shown.

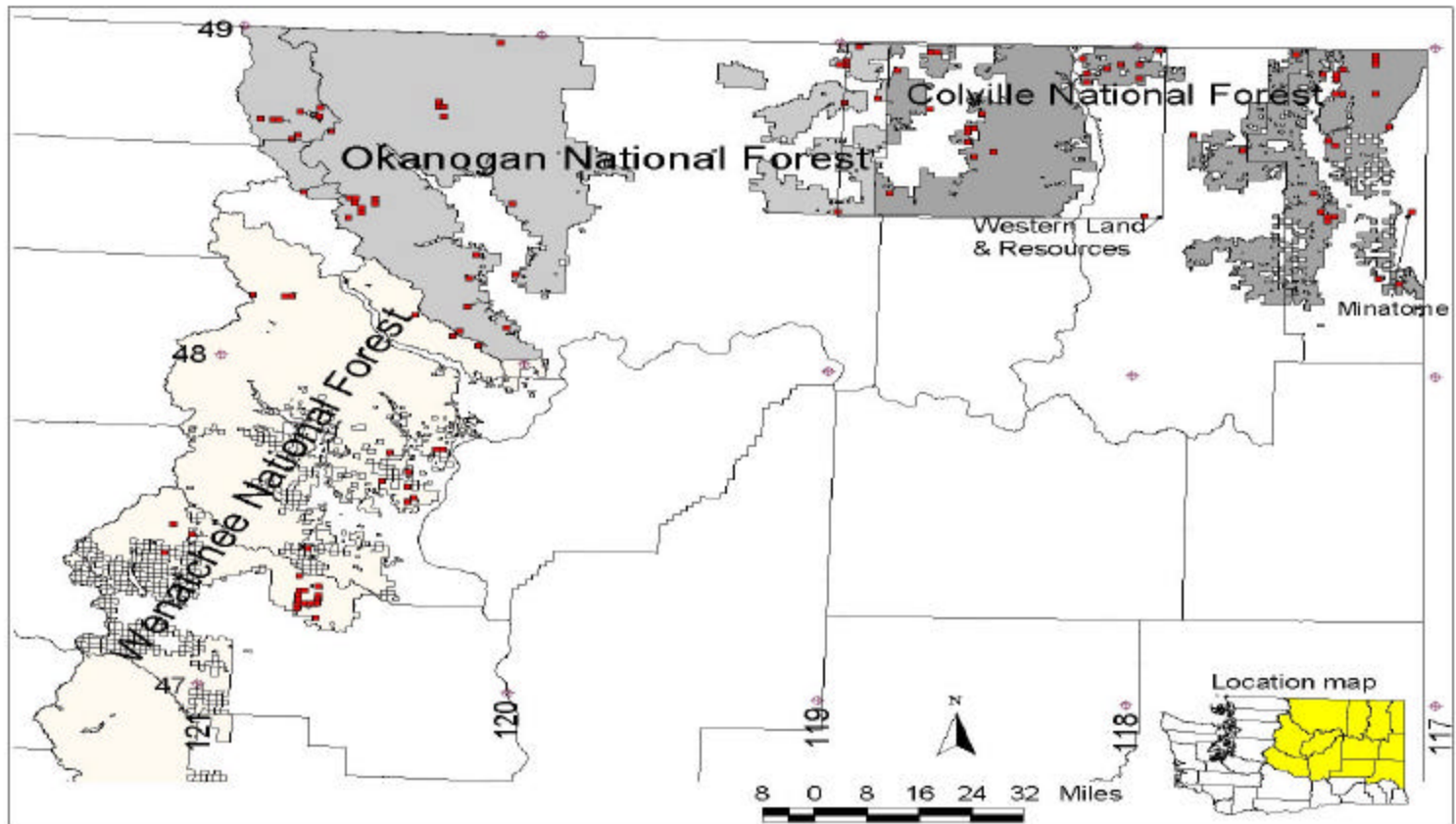


Figure 1. Map showing locations of Plans of Operation or Notices of Intent within the Colville, Kaniksu, Okanogan and Wenatchee National Forests in Washington. (continued below)

Sites of permits are indicated by the red square symbol. The open squares in the Wenatchee National Forest "checkerboard" area are federal lands interspersed with private lands of the railroad land grant. Projection: Universal Transverse Mercator, 1927

Five files are found on the diskette:

<u>Explanation of file</u>	<u>File name and type</u>
• Text of report includes both appendices	of99-414.doc (MS Word 97)
• Complete data for Table 1	of99-414.xls (MS Excel 97)
• Metadata	of99-414.met (text)
• Figure 1	of99-414.jpg (JPEG picture)
• Readme file	readme_414 (text)

Data about individual Plans or Notice are found in Appendix I.
Metadata give further details about the data and are described in Appendix II.

How to obtain digital data

The complete digital files are available in various formats at the USGS web site.
To obtain copies, do one of the following:

Download the digital files from the USGS public access World Wide Web site on the Internet URL = <http://wrgis.wr.usgs.gov/open-file/of99-414/>

Or by:

Anonymous FTP from wrgis.wr.usgs.gov in the directory pub/open-file/of99-414.

The report and data are also available on diskette from: USGS Open-File Services, P.O. Box 25286, Denver, CO 80225.

References

Office of the Federal Register National Archives and Records Administration, 1990, Code of Federal Regulations, Title 36, Part 200 to end—Parks, Forests, and Public property: National Archives and Records Administration, 350 p.

Appendix I. Table of Plans of Operation and Notices of Intent filed in Colville, Kaniksu, Okanogan, and Wenatchee National Forests, Washington State

Table is sorted by Forest and Permit No. Each record (row) spans the consecutive pages of columns. Fields in the table (including the digital file) are defined below.

Field name	Description
Permit number	Plan or Notice number
Type	Plan or Notice
Forest	Name of forest containing plan or notice
Applicant	Name of applicant or company conducting the work
Latitude	Latitude of point at center of nearest section
Longitude	Longitude of point at center of nearest section
Primary commodity	Primary commodity (e.g. Au, Ag, Pb...) or that first listed
All commodities	All commodities given as object of Plan or Notice
Start year	First year permit was issued
End year	Last year permit was issued
District	Forest district where permit is located
Local no.	Tracking number used by Forest
Region	Forest region
State	State
Township	Township number (N) in Washington (Willamette meridian)
Range	Range number (E) in Washington (Willamette meridian)
Section	Sections within the township-range containing Plan or Notice
Assumed section	Section arbitrarily decided as centroid from which the latitude and longitude were calculated using the freeware script, "trs2ll" (M.Wefald, written commun.)
Subdivision	Subdivision of section, when available
Project	Project name assigned by applicant
Purpose	Purpose of Plan or Notice assigned by applicant

Appendix 1 - Table of plans of operation and notices of intent filed in Colville, Kaniksu, Okanogan, and Wenatchee National Forests, Washington State.

Permit No.	Type	Forest	Company	Primary commodity	All Commodities	Latitude	Longitude	Purpose
61401001.0	Notice	Colville	Duane Mullen	Pb polymetallic	Pb, Ag	48.7371	-117.8063	not available
61401002.0	Plan	Colville	W.G. Kinney	Au polymetallic	Au,Cu,Pb,Zn	48.9926	-117.9234	not available
61401003.0	Plan	Colville	Bowling	Pb polymetallic	Pb, Ag	48.6914	-117.6408	not available
61402001.0	Plan	Colville	Shell Mining	Au	Au	48.8924	-118.1653	drilling
61402002.0	Plan	Colville	Chevron/Bitterroot Res.	Au	Au	48.9496	-118.0558	drilling
61402003.0	Plan	Colville	Homestake Mining	Au	Au	48.9496	-118.0558	drilling
61402004.0	Notice	Colville	Western Land & Res.	Not available	Not available	48.4899	-117.9631	geochem. survey
61402005.0	Notice	Colville	Western Land & Res.	Not available	Not available	48.9926	-117.9244	geochem. survey
61402006.0	Notice	Colville	J. Anderson	Not available	Not available	48.9210	-118.1653	not available
61402007.0	Plan	Colville	La Bretz/QF Minerals	Zn	Zn,Pb	48.9496	-117.9901	not available
61402008.0	Plan	Colville	L.W. Meyers	Au polymetallic	Au,Cu,Pb,Zn	48.9926	-117.9244	underground exploration
61402009.0	Notice	Colville	David Robbins & Assoc.	Au polymetallic	Au,Cu,Pb,Zn	48.9353	-118.0996	not available
61402010.0	Notice	Colville	David Robbins & Assoc.	Au	Au	48.9353	-118.0996	geochem. survey
61402011.0	Notice	Colville	David Robbins & Assoc.	Au	Au	48.9353	-118.0996	not available
61402012.0	Plan	Colville	Al Rossmiller	Cu	Cu	48.9067	-117.9901	not available
61402013.0	Notice	Colville	Merle Loudon	U	U	48.9639	-118.1817	not available
61403001.0	Plan	Colville	Boggs	W	W, Ag, Zn	48.4899	-117.3355	not available
61403002.0	Plan	Colville	Norman Gale	Not available	Not available	48.5044	-117.3788	not available
61403003.0	Plan	Colville	A. Boggs	Ag	Ag	48.4754	-117.3572	sampling
61403004.0	Plan	Colville	A. Boggs	Ag	Ag	48.4754	-117.3572	sampling
61403005.0	Plan	Colville	Norman Gale	Au	Au	48.5623	-117.4005	trenching
61403006.0	Plan	Colville	Earl Dionne	Au	Au,Pt	48.3016	-117.1841	trenching
61403007.0	Plan	Colville	Andy Berg	Ag	Ag	48.4899	-117.3572	road repair
61403008.0	Plan	Colville	Andy Berg	Ag	Ag	48.4899	-117.3572	replaced by POO #96-09
61403009.0	Plan	Colville	Earl Dionne	Au	Au	48.3016	-117.1841	not available
61403010.0	Plan	Colville	Andy Berg	Ag	Ag	48.4899	-117.3572	not available
61403011.0	Plan	Colville	Guy Remmick	Stone	Stone	48.2872	-117.1191	not available
61403012.0	Plan	Colville	Norman Gale	Au	Au	48.5044	-117.3788	not available
61403013.0	Plan	Colville	Victor Guinet	Zn	Zn,Pb	48.9816	-117.1988	drilling
61403014.0	Plan	Colville	Norman Gale	Au	Au	48.5044	-117.3788	not available
61403015.0	Notice	Colville	Andy Berg	Ag	Ag	48.4899	-117.3572	not available
61403016.0	Plan	Colville	Earl Dionne	Au	Au,Pt	48.3016	-117.1841	not available
61403017.0	Plan	Colville	Guy Remmick	Stone	Stone	48.2872	-117.1191	not available
61404001.0	Plan	Colville	Crown Resources	Au	Au,Ag	48.7064	-118.5595	multiple plans
61404002.0	Plan	Colville	Echo Bay Explor. Inc	Au	Au,Ag	48.7064	-118.5595	multiple plans
61404003.1	Plan	Colville	Phelps-Dodge	Not available	Not available	48.9210	-118.8004	drilling
61404003.2	Plan	Colville	Phelps-Dodge	Not available	Not available	48.9210	-118.8004	drilling
61404004.0	Plan	Colville	Phelps-Dodge	Not available	Not available	48.9210	-118.8004	drilling
61404005.0	Notice	Colville	R.M. Leland	Not available	Not available	48.6634	-118.5376	not available
61404006.0	Notice	Colville	Western Land & Res.	Not available	Not available	48.4887	-118.9883	geochem. survey
61404007.0	Notice	Colville	Western Land & Res.	Not available	Not available	48.9926	-118.9318	geochem. survey
61404008.0	Plan	Colville	Echo Bay Explor. Inc	Au	Au,Ag	48.7064	-118.5595	drilling
61404009.0	Plan	Colville	Echo Bay Explor. Inc	Au	Au,Ag	48.7493	-118.5376	drilling
61404010.0	Plan	Colville	not available	Au	Au,Pt	48.8065	-118.6909	not available
61404011.0	Plan	Colville	Muldoon Mining	Not available	Not available	48.7922	-118.5157	100 ft road
61404013.0	Notice	Colville	J. William	Not available	Not available	48.5469	-118.8142	crib shaft
61404014.0	Plan	Colville	Echo Bay Explor. Inc	Au	Au	48.7064	-118.5595	drilling
61404015.0	Plan	Colville	Kennecott Explor.	Au	Au,Pt	48.8065	-118.6909	not available
61404016.0	Plan	Colville	Echo Bay Explor. Inc	Au	Au	48.6777	-118.4719	drilling

Appendix 1 - Table of plans of operation and notices of intent filed in Colville, Kaniksu, Okanogan, and Wenatchee National Forests, Washington State.

Permit No.	Project	Start Year	Finish year	District	Local No.	Region	State	Township	Range	All Sections	Subdiv.
61401001.0	Galena Farm claims	1996	unknown	Colville	96-04	6	WA	37n	40e	6	
61401002.0	L.W. Meyers claim	1995	unknown	Colville	95-01	6	WA	40n	38e	1	
61401003.0	not available	1994	1995	Colville	94-06	6	WA	37n	41e	21	
61402001.0	First Thought Mtn.	1982	unknown	Kettle Falls	82-01	6	WA	39n	37e	7	
61402002.0	Big Iron	1984	1989	Kettle Falls	84-01	6	WA	40n	37e	24	
61402003.0	Big Iron	1992	1993	Kettle Falls	92-01	6	WA	40n	37e	24	
61402004.0	Kettle Range	1993	1993	Kettle Falls	93-22	6	WA	35n	38e	All	
61402005.0	Kettle Range	1993	1993	Kettle Falls	93-22	6	WA	40n	38e	All	
61402006.0	not available	1993	unknown	Kettle Falls	93-23	6	WA	40n	37e	31	
61402007.0	not available	1993	unknown	Kettle Falls	93-06	6	WA	40n	38e	21	
61402008.0	Sheep Cr.	1994	1995	Kettle Falls	94-04	6	WA	40n	38e	1	
61402009.0	Cleta # 1-6 claims	1996	unknown	Kettle Falls	95-01	6	WA	40n	37e	22,27	
61402010.0	Cleta # 1-6 claims	1996	unknown	Kettle Falls	96-01	6	WA	40n	37e	22,27	
61402011.0	Cleta # 1-6 claims	1997	unknown	Kettle Falls	97-01	6	WA	40n	37e	22,27	
61402012.0	Flat Creek, Glory Hole #1	1997	1997	Kettle Falls	97-01	6	WA	39n	38e	4	
61402013.0	Uranawish #1-4, New Indian Henry Quartz	1997	unknown	Kettle Falls	97-05	6	WA	40n	36e	13	ce1/2
61403001.0	not available	1985	unknown	Newport	85-01	6	WA	35n	43e	35	
61403002.0	not available	1993	1993	Newport	93-11	6	WA	35n	43e	28	
61403003.0	Cusick Creek	1994	unknown	Newport	94-10	6	WA	34n	43e	3	
61403004.0	Cusick Creek	1994	unknown	Newport	94-11	6	WA	34n	43e	3	
61403005.0	not available	1994	1995	Newport	94-08	6	WA	35n	43e	5	
61403006.0	not available	1994	unknown	Newport	94-09	6	WA	32n	44e	1	
61403007.0	Morning Side #1-5	1995	1996	Newport	95-05	6	WA	35n	43e	34	
61403008.0	Morning Side #1-5	1995	1996	Newport	95-06	6	WA	35n	43e	34	
61403009.0	Goldilocks #1-5 lode/placer	1996	unknown	Newport	96-08	6	WA	32n	44e	1	
61403010.0	Morning Side #1-5	1996	unknown	Newport	96-09	6	WA	35n	43e	34	
61403011.0	Flatrock #1, #5	1996	unknown	Newport	96-10	6	WA	32n	45e	9	
61403012.0	Round Top #1-6	1996	unknown	Newport	96-11	6	WA	35n	43e	28	
61403013.0	Lead Hill, Y2 claims	1996	unknown	Newport	96-06	6	WA	40n	44e	11	
61403014.0	Round Top #1-6	1997	1997	Newport	97-03	6	WA	35n	43e	28	
61403015.0	Morning Side #1-5	1997	unknown	Newport	97-04	6	WA	35n	43e	34	
61403016.0	Goldilocks #1-5 lode/placer	1997	1997	Newport	97-05	6	WA	32n	44e	1	
61403017.0	Flat Rock	1997	1997	Newport	97-06	6	WA	32n	45e	9	
61404001.0	Key West, Overlook	1986	1989	Republic	86-01	6	Wa	37n	34e	7,8,17,18	
61404002.0	Key West, Overlook	1987	1998	Republic	87-01	6	WA	37n	34e	7,8,17,18	
61404003.1	not available	1992	1994	Republic	93-01-1	6	WA	40n	32e	32,33	
61404003.2	not available	1992	1994	Republic	93-01-2	6	WA	40n	32e	32,33	
61404004.0	not available	1992	1994	Republic	93-01-01	6	WA	40n	32e	32,33	
61404005.0	SC claims	1993	1993	Republic	93-01	6	WA	37n	34e	32,33	
61404006.0	Kettle Range	1993	1993	Republic	93-22	6	WA	35n	31e	All	
61404007.0	Kettle Range	1993	1993	Republic	93-22	6	WA	40n	31e	All	
61404008.0	Key West, Overlook	1993	1995	Republic	93-04	6	WA	37n	34e	17,18	
61404009.0	Lambert	1993	1994	Republic	93-05-01	6	WA	38n	34e	32	
61404010.0	Y-Not claims	1993	unknown	Republic	93-02	6	WA	38n	33e	7,12	
61404011.0	Belcher District	1993	unknown	Republic	93-03	6	WA	38n	34e	16?	
61404013.0	Sheep Mtn.	1994	unknown	Republic	94-01	6	WA	35n	32e	9	
61404014.0	Cook Mtn.	1994	unknown	Republic	94-12	6	WA	37n	34e	17,18	
61404015.0	Anderson claim, Y-Not group above Empire Lake	1995	1997	Republic	96-01	6	WA	38n	33e	7	
61404016.0	not available	1995	1995	Republic	94-13	6	WA	37n	34e	26	

Appendix 1 - Table of plans of operation and notices of intent filed in Colville, Kaniksu, Okanogan, and Wenatchee National Forests, Washington State.

Permit No.	Type	Forest	Company	Primary commodity	All Commodities	Latitude	Longitude	Purpose
61404017.0	Plan	Colville	Echo Bay Explor. Inc	Au	Au,Ag	48.6777	-118.4719	drilling
61404018.0	Plan	Colville	Echo Bay Explor. Inc	Au	Au,Ag	48.6777	-118.4719	drilling
61404019.0	Notice	Colville	Pete Mollenberg	Au	Au	48.9782	-118.6690	night probe
61404020.0	Plan	Colville	Echo Bay Explor. Inc	Au	Au,Ag	48.7350	-118.5595	not available
61404021.0	Plan	Colville	Echo Bay Explor. Inc	Au	Au,Ag	48.7493	-118.5595	not available
61404022.0	Plan	Colville	RMR Gold Corp.	Au	Au	48.8065	-118.6909	not available
61404023.0	Notice	Colville	Pete Mollenberg	Au	Au,Ag	48.9782	-118.6909	not available
61405001.0	Plan	Colville	Degerstrom	Au	Au	48.7639	-117.1546	drilling
61405002.0	Plan	Colville	Southern Talc	Talc	Talc	48.9526	-117.1988	bulk sampling, drilling
61405003.0	Notice	Colville	Ernest Day	Au placer	Au placer	48.9816	-117.4640	suction dredging
61405004.0	Plan	Colville	P & H Mining	Au	Au	48.7204	-117.3535	not available
61405005.0	Notice	Colville	Ramrod Gold	Au	Au	48.9816	-117.1988	geophysics
61405006.0	Plan	Colville	Ramrod Gold	Au	Au	48.9816	-117.1988	drilling
61405007.0	Plan	Colville	Bowling	Cu polymetallic	Cu, Zn, Ag, Pb	48.9816	-117.4640	underground exploration
61405008.0	Plan	Colville	J. Dewey	Not available	Not available	48.9235	-117.3755	assessment work
61405009.0	Plan	Colville	Ramrod Gold	Zn	Zn,Pb	48.9671	-117.1988	drilling
61405010.0	Plan	Colville	Ramrod Gold	Zn	Zn,Pb	48.9671	-117.1988	drilling
61405011.0	Notice	Colville	Southern Talc	Talc	Talc	48.9526	-117.1988	bulk sampling
61405012.0	Notice	Colville	Pend Oreille Mines	Zn	Zn,Pb	48.8655	-117.3314	underground exploration
61405013.0	Plan	Colville	Bowling	Pb polymetallic	Pb, Ag	48.9816	-117.4640	not available
61405014.0	Plan	Colville	Southern Talc	Talc	Talc	48.8655	-117.1988	talc sample
61405015.0	Plan	Colville	Cominco American	Zn	Zn,Pb	48.9671	-117.1988	drilling
61405016.0	Plan	Colville	Echo Bay Explor. Inc	Au	Au,Ag	48.7059	-117.3314	exploration
61405017.0	Plan	Colville	Ferguson	Pb polymetallic	Pb,Zn,Ag	48.9816	-117.4640	not available
61405018.0	Notice	Colville	Robert Harrison	Au placer	Au placer	48.8655	-117.3092	placer, dredging
61405019.0	Plan	Colville	Cominco American	Zn	Zn,Pb	48.9090	-117.3314	13 DDHs underground
61405020.0	Plan	Colville	Cominco American	Zn	Zn,Pb	48.9235	-117.3314	13 DDHs underground
61405021.0	Plan	Colville	Cominco American	Zn	Zn,Pb	48.9090	-117.3314	underground exploration
61405022.0	Plan	Colville	Cominco American	Zn	Zn,Pb	48.9235	-117.3314	underground exploration
61405023.0	Notice	Colville	Howard Greenleaf	Au placer	Au placer	48.9381	-117.3092	suction dredging
10408002.0	Notice	IPNF	Minatome Corp	U	U	48.5044	-117.0759	6 trenches, 12 drill sites in 2 years
10408003.0	Notice	IPNF	Minatome Corp	U	U	48.5044	-117.0759	6 trenches, 12 drill sites
61404012.0	Notice	Okanogan	Karl Pearson	Not available	Not available	48.4902	-120.5890	assessment work
61701001.0	Plan	Okanogan	Crown Resource Corp.	Au	Au	48.9496	-118.9756	not available
61701002.0	Plan	Okanogan	Crown Resource Corp.	Au	Au	48.9496	-118.9756	not available
61701003.0	Plan	Okanogan	Crown Resource Corp.	Au	Au	48.9496	-118.9756	not available
61701004.0	Plan	Okanogan	Crown Resource Corp.	Au	Au	48.9496	-118.9756	not available
61701005.0	Plan	Okanogan	Crown Resource Corp.	Au	Au	48.9496	-118.9756	not available
61701006.0	Plan	Okanogan	Battle Mtn. Gold	Au	Au	48.9496	-118.9756	drilling
61701007.0	Plan	Okanogan	Battle Mtn. Gold	Au	Au	48.9496	-118.9756	drilling
61701008.0	Plan	Okanogan	Battle Mtn. Gold	Au	Au	48.9353	-118.9756	drilling
61701009.0	Plan	Okanogan	Battle Mtn. Gold	Au	Au	48.9353	-118.9756	drilling
61701010.0	Plan	Okanogan	Battle Mtn. Gold	Au	Au	48.9353	-118.9756	drilling
61701011.0	Plan	Okanogan	Battle Mtn. Gold	Au	Au	48.9353	-118.9756	drilling
61701012.0	Plan	Okanogan	Echo Bay Explor. Inc	Au	Au	48.8208	-118.9756	drilling
61701013.0	Plan	Okanogan	Battle Mtn. Gold	Au	Au	48.9496	-118.9756	rev. reclamation plan
61701014.0	Plan	Okanogan	Battle Mtn. Gold	Au	Au	48.9496	-118.9756	rev. reclamation plan

Appendix 1 - Table of plans of operation and notices of intent filed in Colville, Kaniksu, Okanogan, and Wenatchee National Forests, Washington State.

Permit No.	Project	Start Year	Finish year	District	Local No.	Region	State	Township	Range	All Sections	Subdiv.
61404017.0	not available	1995	1995	Republic	93-05	6	WA	37n	34e	26	
61404018.0	not available	1995	1995	Republic	93-13	6	WA	37n	34e	26	
61404019.0	Iron T claims, Vulcan Mtn.	1996	unknown	Republic	96-05	6	WA	40n	33e	8	
61404020.0	Black Hawk claim #1	1996	unknown	Republic	96-12	6	WA	37n	34e	6	
61404021.0	Black Hawk claim #2	1996	unknown	Republic	96-13	6	WA	38n	34e	31	
61404022.0	Above Empire Lake	1997	1997	Republic	97-04	6	WA	38n	33e	7	
61404023.0	Iron T claims, Vulcan Mtn.	1997	unknown	Republic	97-06	6	WA	40n	33e	7,8	
61405001.0	Grassy Top	1983	1985	Sullivan Lk	83-01	6	WA	38n	45e	30	
61405002.0	not available	1985	1990	Sullivan Lk	85-02	6	WA	40n	44e	23	
61405003.0	Pure Luck	1987	unknown	Sullivan Lk	97-02	6	WA	40n	42e	11	
61405004.0	Fairview claims	1989	unknown	Sullivan Lk	89-01	6	WA	37n	43e	10	
61405005.0	not available	1993	1993	Sullivan Lk	93-127	6	WA	40n	44e	1-3, 10-14	
61405006.0	not available	1993	1994	Sullivan Lk	93-10	6	WA	40n	44e	1-3,10-14	
61405007.0	not available	1993	1995	Sullivan Lk	93-08	6	WA	40n	42e	11	
61405008.0	not available	1993	unknown	Sullivan Lk	93-09	6	WA	40n	43e	26,33	
61405009.0	Lead Hill	1993	1994	Sullivan Lk	94-15	6	WA	40n	44e	14	
61405010.0	Lead Hill	1994	1994	Sullivan Lk	94-16	6	WA	40n	44e	14	
61405011.0	Totem Cr.	1994	1994	Sullivan Lk	94-03	6	WA	40n	44e	23	
61405012.0	not available	1994	1994	Sullivan Lk	94-02	6	WA	39n	43e	14,22,23	
61405013.0	not available	1994	1995	Sullivan Lk	94-05	6	WA	40n	42e	11	
61405014.0	Totem Cr.	1994	1995	Sullivan Lk	94-03	6	WA	39n	44e	23	
61405015.0	Lead Hill	1994	1994	Sullivan Lk	94-14	6	WA	40n	44e	14	
61405016.0	not available	1995	unknown	Sullivan Lk	95-02	6	WA	37n	43e	14	
61405017.0	United Treasure	1995	unknown	Sullivan Lk	95-03	6	WA	40n	42e	11	
61405018.0	Sull. (?) Creek	1996	unknown	Sullivan Lk	96-03	6	WA	39n	43e	24	
61405019.0	Pend Oreille mine	1996	unknown	Sullivan Lk	96-07.1	6	WA	39n	43e	1,2	
61405020.0	Pend Oreille mine	1996	unknown	Sullivan Lk	96-07.2	6	WA	40n	43e	35,36	
61405021.0	Pend Oreille mine	1997	1997	Sullivan Lk	97-02.1	6	WA	39n	43e	1,2	
61405022.0	Pend Oreille mine	1997	1997	Sullivan Lk	97-02.2	6	WA	40n	43e	35,36	
61405023.0	not available	1997	unknown	Sullivan Lk	97-03	6	WA	40n	43e	25	
10408002.0	Sampling, trenching, drill sites, road construc. Over two years	1985	1985	Priest Lake	2.1	1	WA	35n	45e	26,27	n1/2
10408003.0	Sampling, trenching, drill sites, road construc. Over two years	1986	1986	Priest Lake	3.1	1	WA	35n	45e	26,27	n1/2
61404012.0	West Basin	1993	1993	Republic	93-149	6	WA	35n	18e	33,34	
61701001.0	Buckhorn Mtn	1990	unknown	Tonasket	88-01	6	WA	40n	30e	24	
61701002.0	Buckhorn Mtn	1990	unknown	Tonasket	88-02	6	WA	40n	30e	24	
61701003.0	Buckhorn Mtn	1990	unknown	Tonasket	89-01	6	WA	40n	30e	24	
61701004.0	Buckhorn Mtn	1990	unknown	Tonasket	89-02	6	WA	40n	30e	24	
61701005.0	Buckhorn Mtn	1990	unknown	Tonasket	90-01	6	WA	40n	30e	24	
61701006.0	Crystall Butte	1990	1994	Tonasket	90-02	6	WA	40n	30e	24	
61701007.0	Crystall Butte	1990	1994	Tonasket	90-03	6	WA	40n	30e	24	
61701008.0	Crystall Butte	1990	1994	Tonasket	90-04	6	WA	40n	30e	24-26	
61701009.0	Crystall Butte	1990	1994	Tonasket	91-01	6	WA	40n	30e	24-26	
61701010.0	Crystall Butte	1990	1994	Tonasket	91-02	6	WA	40n	30e	24-26	
61701011.0	Crystall Butte	1990	1994	Tonasket	91-03	6	WA	40n	30e	24-26	
61701012.0	Cumberland Mtn., Hayseed and CB group	1991	1991	Tonasket	92-17	6	WA	38n	30e	1,2,12	
61701013.0	Crown Jewel	1991	1991	Tonasket	92-01	6	WA	40n	30e	23-26	
61701014.0	Crown Jewel	1991	1992	Tonasket	92-02	6	WA	40n	30e	23-26	

Appendix 1 - Table of plans of operation and notices of intent filed in Colville, Kaniksu, Okanogan, and Wenatchee National Forests, Washington State.

Permit No.	Type	Forest	Company	Primary commodity	All Commodities	Latitude	Longitude	Purpose
61701015.0	Plan	Okanogan	Battle Mtn. Gold	Au	Au	48.9496	-118.9756	rev. reclamation plan
61701016.0	Plan	Okanogan	Consol. Ramrod Gold Corp.	Au	Au	48.9353	-118.9975	not available
61701017.0	Plan	Okanogan	Battle Mtn. Gold	Au	Au	48.9496	-118.9756	rev. reclamation plan
61701018.0	Plan	Okanogan	Strongbow Resource Corp.	Au	Au	48.9496	-118.9975	trenching, drilling
61701019.0	Plan	Okanogan	Battle Mtn. Gold	Au	Au	48.9496	-118.9756	rev. reclamation plan
61701020.0	Plan	Okanogan	Battle Mtn. Gold	Au	Au	48.9496	-118.9756	rev. reclamation plan
61701021.0	Plan	Okanogan	Battle Mtn. Gold	Au	Au	48.9496	-118.9756	rev. reclamation plan
61701022.0	Plan	Okanogan	Battle Mtn. Gold	Au	Au	48.9496	-118.9756	rev. reclamation plan
61701023.0	Plan	Okanogan	Battle Mtn. Gold	Au	Au	48.9496	-118.9756	rev. reclamation plan
61701024.0	Notice	Okanogan	Consol. Ramrod Gold Corp.	Au	Au	48.9353	-118.9975	exploration work
61701025.0	Notice	Okanogan	Keystone Gold Inc	Au	Au	48.9353	-118.9975	exploration work
61701026.0	Plan	Okanogan	Battle Mtn. Gold	Au	Au	48.9496	-118.9756	rev. reclamation plan
61701027.0	Plan	Okanogan	Battle Mtn. Gold	Au	Au	48.9353	-118.9756	rev. reclamation plan
61701028.0	Plan	Okanogan	Battle Mtn. Gold	Au	Au	48.9353	-118.9756	rev. reclamation plan
61701029.0	Plan	Okanogan	Battle Mtn. Gold	Au	Au	48.9353	-118.9756	rev. reclamation plan
61701030.0	Plan	Okanogan	Consol. Ramrod Gold Corp.	Au	Au	48.9353	-118.9975	drilling
61701031.0	Plan	Okanogan	Battle Mtn. Gold	Au	Au	48.9353	-118.9756	rev. reclamation plan
61701032.0	Notice	Okanogan	Forrest Collins	Not available	Not available	48.8351	-118.8661	underground work
61701033.0	Plan	Okanogan	Forrest Collins	Au	Au	48.8351	-118.8661	underground Phase 1,2
61701034.0	Plan	Okanogan	Keystone Gold Inc	Au	Au	48.9353	-118.9975	drilling
61701035.0	Plan	Okanogan	Battle Mtn. Gold	Au	Au	48.9496	-118.9756	drilling in pit and soil disposal areas and geochem.
61701036.0	Plan	Okanogan	Battle Mtn. Gold	Au	Au	48.9353	-118.9756	not available
61701037.0	Plan	Okanogan	Battle Mtn. Gold	Au	Au	48.9353	-118.9756	revised mine poo/EIS
61701038.0	Plan	Okanogan	Battle Mtn. Gold	Au	Au	48.9353	-118.9756	hydraulic testing
61701039.0	Plan	Okanogan	Battle Mtn. Gold	Au	Au	48.9353	-118.9756	rev. reclamation plan
61701040.0	Plan	Okanogan	Battle Mtn. Gold	Au	Au	48.9353	-118.9756	rev. reclamation plan
61701041.0	Plan	Okanogan	Battle Mtn. Gold	Au	Au	48.9353	-118.9756	revised mine plan of oper.
61701042.0	Plan	Okanogan	Battle Mtn. Gold	Au	Au	48.9353	-118.9756	rev. reclamation plan
61701043.0	Plan	Okanogan	Clarence Tuason	Zn	Not available	48.0988	-120.2175	assessment drilling
61702001.0	Plan	Okanogan	Cordilleran Development Inc.	Au	Au	48.2744	-120.0446	heap leach
61702002.0	Plan	Okanogan	Waseco Resources	Not available	Not available	48.1134	-120.0662	not available
61702003.0	Plan	Okanogan	Clarence Tuason	Zn	Not available	48.0841	-120.2392	not available
61702004.0	Plan	Okanogan	Thomas Hansen	Not available	Not available	48.4611	-120.5673	not available
61702005.0	Plan	Okanogan	James Wise	Not available	Not available	48.0548	-120.1527	not available
61702006.1	Notice	Okanogan	Karl Pearson	Not available	Not available	48.4902	-120.5239	lode claim
61702006.2	Notice	Okanogan	Karl Pearson	Not available	Not available	48.4756	-120.5239	lode claim
61702007.1	Notice	Okanogan	Karl Pearson	Not available	Not available	48.4902	-120.6107	lode claim
61702007.2	Notice	Okanogan	Karl Pearson	Not available	Not available	48.4756	-120.5890	lode claim
61702008.0	Notice	Okanogan	Pacific NW Resources	Not available	Not available	48.3301	-120.1769	lode claim
61702009.0	Notice	Okanogan	Frank Austin	Not available	Not available	48.4465	-120.5673	lode claim
61702009.1	Plan	Okanogan	Cameco US Inc	Au	Au	48.1720	-120.1959	trenching
61702009.2	Plan	Okanogan	Cameco US Inc	Au	Au	48.2598	-120.1959	trenching
61702010.1	Plan	Okanogan	Cameco US Inc	Au	Au	48.1720	-120.1959	trenching
61702010.2	Plan	Okanogan	Cameco US Inc	Au	Au	48.2598	-120.1959	trenching
61702011.0	Notice	Okanogan	Herb Rosenberg	Not available	Not available	48.4320	-120.6107	not available
61702012.0	Plan	Okanogan	Clarence Tuason	Zn	Zn,Pb	48.0841	-120.2392	not available
61702013.0	Plan	Okanogan	Susan Klinkert	Au	Au	48.4611	-120.5673	underground
61702014.0	Plan	Okanogan	Clarence Tuason	Zn	Not available	48.0841	-120.2392	drilling
61702015.0	Plan	Okanogan	Susan Klinkert	Not available	Not available	48.4611	-120.5673	underground work

Appendix 1 - Table of plans of operation and notices of intent filed in Colville, Kaniksu, Okanogan, and Wenatchee National Forests, Washington State.

Permit No.	Project	Start Year	Finish year	District	Local No.	Region	State	Township	Range	All Sections	Subdiv.
61701015.0	Crown Jewel	1992	1992	Tonasket	92-03	6	WA	40n	30e	23-26	
61701016.0	not available	1992	withdrawn	Tonasket	92-10	6	WA	40n	30e	23,25,26	
61701017.0	Crown Jewel	1992	1992	Tonasket	92-04	6	WA	40n	30e	23-26	
61701018.0	not available	1992	1995	Tonasket	92-12	6	WA	40n	30e	23,25,26	
61701019.0	Crown Jewel	1992	1992	Tonasket	92-05	6	WA	40n	30e	23-26	
61701020.0	Crown Jewel	1992	1992	Tonasket	92-06	6	WA	40n	30e	23-26	
61701021.0	Crown Jewel	1992	1992	Tonasket	92-07	6	WA	40n	30e	24	
61701022.0	Crown Jewel	1992	1992	Tonasket	92-08	6	WA	40n	30e	23-26	
61701023.0	Crown Jewel	1992	1992	Tonasket	92-09	6	WA	40n	30e	23-26	
61701024.0	KM and BM groups	1992	1992	Tonasket	92-19	6	WA	40n	30e	26	
61701025.0	KM and BM groups	1992	1992	Tonasket	92-20	6	WA	40n	30e	26	
61701026.0	Crown Jewel	1992	1992	Tonasket	92-11	6	WA	40n	30e	23-26	
61701027.0	Crown Jewel	1993	unknown	Tonasket	93-01	6	WA	40n	30e	23-26	
61701028.0	Crown Jewel	1993	unknown	Tonasket	93-02	6	WA	40n	30e	23-26	
61701029.0	Crown Jewel	1993	unknown	Tonasket	93-06	6	WA	40n	30e	23-26	
61701030.0	not available	1993	1995	Tonasket	93-03	6	WA	40n	30e	23,25,26	
61701031.0	Crown Jewel	1993	unknown	Tonasket	93-07	6	WA	40n	30e	23-26	
61701032.0	Bodie Mtn. Area, Coca #1-4	1995	unknown	Tonasket	95-01	6	WA	39n	31e	35,36	
61701033.0	Bodie Mtn. Area	1995	1996	Tonasket	95-01	6	WA	39n	31e	35,36	
61701034.0	Keystone claims	1995	1996	Tonasket	95-03	6	WA	40n	30e	26	
61701035.0	not available	1995	unknown	Tonasket	95-04	6	WA	40n	30e	24	n2
61701036.0	Maria's creek tailings area	1995	unknown	Tonasket	95-05	6	WA	40n	30e	25	n2
61701037.0	Crown Jewel	1995	1996	Tonasket	96-03	6	WA	40n	30e	23-26	
61701038.0	Crown Jewel	1996	unknown	Tonasket	96-02	6	WA	40n	30e	23-26	
61701039.0	Crown Jewel	1996	1996	Tonasket	96-07	6	WA	40n	30e	23-26	
61701040.0	Crown Jewel	1996	1997	Tonasket	97-01	6	WA	40n	30e	23-26	
61701041.0	Crown Jewel	1997	unknown	Tonasket	98-01	6	WA	40n	30e	23-26	
61701042.0	Crown Jewel	1997	1997	Tonasket	97-02	6	WA	40n	30e	23-26	
61701043.0	Icabod/Niobe	1997	1997	Tonasket	97-04	6	WA	30n	21e	16,17	
61702001.0	Minnie mine heap leach	1984	unknown	Twisp	84-01	6	WA	32n	22e	14	
61702002.0	San Energy claims	1990	1990	Twisp	90-05	6	WA	30n	22e	2,3,4,9,10,11,12,13,14,15	
61702003.0	Icabod group	1990	1994	Twisp	89-02	6	WA	30n	21e	16,17, 20, 21	
61702004.0	not available	1990	unknown	Twisp	90-06	6	WA	34n	18e	11,12	
61702005.0	Hungry 1,2, Jonni Lynn	1991	1991	Twisp	91-04	6	WA	30n	21e	36	
61702006.1	Abernethy Group	1992	1992	Twisp	92-15.2	6	WA	35n	19e	31	
61702006.2	Abernethy Group	1992	1992	Twisp	92-15.1	6	WA	34n	19e	6	
61702007.1	West Basin	1992	1993	Twisp	92-16.1	6	WA	35n	18e	33	
61702007.2	West Basin	1992	1993	Twisp	92-16.2	6	WA	34n	18e	3	
61702008.0	Ace & Alder group	1992	1993	Twisp	92-17	6	WA	33n	21e	25,26	
61702009.0	Raub claim	1992	1992	Twisp	92-18	6	WA	34n	18e	14	
61702009.1	not available	1992	1992	Twisp	92-14.1	6	WA	31n	21e	all	
61702009.2	not available	1992	1992	Twisp	92-14.2	6	WA	32n	21e	all	
61702010.1	not available	1992	1992	Twisp	92-13.1	6	WA	31n	21e	all	
61702010.2	not available	1992	1992	Twisp	92-13.2	6	WA	32n	21e	all	
61702011.0	Jackass Queen & Jack claims	1993	1993	Twisp	93-152	6	WA	34n	18e	21	
61702012.0	Icabod group	1994	1996	Twisp	94-01	6	WA	30n	21e	16,17,20,21	
61702013.0	North Creek Placer	1995	unknown	Twisp	95-02	6	WA	34n	18e	11	
61702014.0	Icabod group	1996	1997	Twisp	96-05	6	WA	30n	21e	6,17,20,21	
61702015.0	West Basin	1997	unknown	Twisp	97-05	6	WA	34n	18e	11	

Appendix 1 - Table of plans of operation and notices of intent filed in Colville, Kaniksu, Okanogan, and Wenatchee National Forests, Washington State.

Permit No.	Type	Forest	Company	Primary commodity	All Commodities	Latitude	Longitude	Purpose
61703001.0	Plan	Okanogan	Niel Gerth	Not available	Not available	48.7207	-120.8590	not available
61703002.0	Plan	Okanogan	Dean Gus	Not available	Not available	48.4902	-120.0685	not available
61703003.0	Plan	Okanogan	Double Dragon	Not available	Not available	48.6777	-120.7933	underground & surface work; includes pilot plant installation
61703004.0	Notice	Okanogan	Herb Bradshaw	Not available	Not available	48.7493	-120.3115	lode claim
61703004.0	Plan	Okanogan	Double Dragon	Not available	Not available	48.6777	-120.7933	underground, surface work
61703005.0	Notice	Okanogan	Sunshine Valley Minerals	Not available	Not available	48.7779	-120.3115	lode claim
61703006.0	Notice	Okanogan	Glenn Parker	Not available	Not available	48.7922	-120.3334	lode claim
61703007.0	Notice	Okanogan	Ramona Lehman	Not available	Not available	48.7350	-120.7276	lode claim
61703008.0	Notice	Okanogan	Karl Pearson	Not available	Not available	48.4902	-120.5239	assessment work
61703009.0	Notice	Okanogan	John Lange	Not available	Not available	48.9782	-120.1363	not available
61703010.0	Notice	Okanogan	Gebbers Pariseau	Not available	Not available	48.6634	-120.8152	underground devel.
61703011.0	Notice	Okanogan	Gary Hyatt	Not available	Not available	48.7636	-120.7276	not available
61703012.0	Notice	Okanogan	Dallas Hanes	Not available	Not available	48.6920	-120.6838	claims voided due to failure to file
61703014.0	Plan	Okanogan	Sunshine Valley Minerals	Not available	Not available	48.7779	-120.3334	underground work
61703015.0	Plan	Okanogan	Paul Allen	Au placer	Au placer	48.7207	-120.8809	unnamed placer
61703016.0	Plan	Okanogan	Jerry Marcy	Au placer	Au placer	48.7207	-120.9238	placer
61703017.0	Plan	Okanogan	Paul Allen	Au placer	Au placer	48.7207	-120.8590	placer
61703018.0	Plan	Okanogan	Jim Fisher	Au placer	Au placer	48.7493	-120.7933	placer
61703019.0	Plan	Okanogan	Sunshine Valley Minerals	Not available	Not available	48.7779	-120.3115	not available
61703020.0	Plan	Okanogan	Double Dragon	Not available	Not available	48.6777	-120.7933	underground & surface work; includes pilot plant installation
61703020.0	Notice	Okanogan	Walt Holcomb	Not available	Not available	48.7779	-120.3115	not available
61703021.0	Plan	Okanogan	Rochard Goodwin	Not available	Not available	48.5047	-120.7625	prospect
61901001.0	Plan	Wenatchee	Bob Wood	Au	Au	48.1427	-120.3689	some drilling
61901002.0	Plan	Wenatchee	Holden Village	Cu	Cu	48.1866	-120.7797	operated
61901003.0	Plan	Wenatchee	Holden Village	Cu	Cu	48.1866	-120.8013	operated
61901004.0	Plan	Wenatchee	Holden Village	Cu	Cu	48.1866	-120.9094	permitting
61902002.0	Plan	Wenatchee	Crown Resources	Au	Au	47.2426	-120.6948	explored past years
61902003.0	Plan	Wenatchee	Art Baydo	Cu polymetallic	Cu, Zn, Ag, Pb	47.4545	-121.0506	15 claims; 250' tunnel; active now
61902004.0	Plan	Wenatchee	Art Baydo	Au	Au	47.4545	-121.0506	drilling; see Alpine Lakes Wilderness rpt.
61902005.0	Plan	Wenatchee	Art Baydo	Au	Au	47.4545	-121.0506	drilling; see Alpine Lakes Wilderness rpt.
61902006.0	Plan	Wenatchee	Art Baydo	Au	Au	47.4545	-121.0506	drilling; see Alpine Lakes Wilderness rpt.
61902007.0	Plan	Wenatchee	Art Baydo	Au	Au	47.4545	-121.0506	drilling; see Alpine Lakes Wilderness rpt.
61902008.0	Plan	Wenatchee	Art Baydo	Au	Au	47.4545	-121.0506	drilling; see Alpine Lakes Wilderness rpt.
61902009.0	Plan	Wenatchee	Art Baydo	Au	Au	47.4545	-121.0506	explor. trenching through 1992
61902010.0	Plan	Wenatchee	Art Baydo	Au	Au	47.4545	-121.0506	explor. trenching through 1992
61902011.0	Plan	Wenatchee	Art Baydo	Au	Au	47.4545	-121.0506	maintain access routes
61902012.0	Plan	Wenatchee	Art Baydo	Au	Au	47.4545	-121.0506	backhoe work
61902013.0	Plan	Wenatchee	Art Baydo	Au	Au	47.4545	-121.0506	explor. trenching through 1992
61902014.0	Plan	Wenatchee	Art Baydo	Au	Au	47.4545	-121.0506	explor. trenching through 1992
61902015.0	Plan	Wenatchee	Art Baydo	Au	Au	47.4545	-121.0506	explor. trenching through 1992
61902016.0	Plan	Wenatchee	Art Baydo	Au	Au	47.4545	-121.0506	explor. trenching through 1992
61902017.0	Plan	Wenatchee	Art Baydo	Au	Au	47.4545	-121.0506	explor. trenching through 1992
61902018.0	Plan	Wenatchee	Art Baydo	Au	Au	47.4545	-121.0506	explor. trenching through 1992
61902019.0	Plan	Wenatchee	Art Baydo	Au	Au	47.4545	-121.0506	explor. trenching through 1992
61902020.0	Plan	Wenatchee	Art Baydo	Au	Au	47.4545	-121.0506	explor. trenching through 1992
61902021.0	Plan	Wenatchee	Art Baydo	Au	Au	47.4545	-121.0506	explor. trenching through 1992
61902022.0	Plan	Wenatchee	Art Baydo	Au	Au	47.4545	-121.0506	explor. trenching through 1992
61902023.0	Plan	Wenatchee	Gene Armfield	Au	Au	47.2674	-120.6288	explor. tunnel
61902024.0	Plan	Wenatchee	Gene Armfield	Au	Au	47.2674	-120.6288	explor. tunnel

Appendix 1 - Table of plans of operation and notices of intent filed in Colville, Kaniksu, Okanogan, and Wenatchee National Forests, Washington State.

Permit No.	Project	Start Year	Finish year	District	Local No.	Region	State	Township	Range	All Sections	Subdiv.
61703001.0	underground work	1981	unknown	Winthrop	81-01	6	WA	37n	16e	10	
61703002.0	not available	1986	unknown	Winthrop	86-01	6	WA	35n	22e	34	
61703003.0	Azurite mine	1991	1995	Winthrop	92-15	6	WA	37n	17e	30	
61703004.0	Eightmile Cr., Copper Glance Group	1992	1992	Winthrop	92-11	6	WA	38n	20e	35	
61703004.0	Azurite mine	1993	1994	Winthrop	93-04	6	WA	37n	17e	30	
61703005.0	Eightmile Cr., Billy Goat Group	1992	1992	Winthrop	92-12	6	WA	38n	20e	23	
61703006.0	No Dice claim on Eightmile Creek	1992	1992	Winthrop	92-13	6	Wa	38n	20e	15	
61703007.0	Square Shooter on Slate Cr.	1992	1992	Winthrop	92-14	6	WA	37n	17e	3	
61703008.0	Abernathy Group	1993	1993	Winthrop	93-148	6	Wa	35n	19e	31	
61703009.0	Tungsten Cr.	1993	1994	Winthrop	93-130	6	WA	40n	22e	7	
61703010.0	New Gold Hill	1993	unknown	Winthrop	93-132	6	WA	37n	16e	36	
61703011.0	Windy #1	1993	1995	Winthrop	93-133	6	WA	38n	17e	22,27	
61703012.0	Brown Bear, 8 claims	1993	1996	Winthrop	93-134	6	WA	37n	17e	13,18,19,24	
61703014.0	Billy Goat claims	1993	1993	Winthrop	93-05	6	WA	38n	20e	14,15,22,23	
61703015.0	unnamed placer	1995	1996	Winthrop	95-06	6	WA	37n	16e	9	
61703016.0	Canyon Creek	1995	1995	Winthrop	95-07	6	WA	37n	16e	7	
61703017.0	Canyon Creek	1996	1998	Winthrop	96-01	6	WA	37n	16e	10	
61703018.0	Quick Change claim (Normandy cabin)	1996	1998	Winthrop	96-06	6	WA	38n	17e	31	
61703019.0	Billy Goat claims	1996	unknown	Winthrop	96-04	6	WA	38n	20e	23	
61703020.0	Azurite mine	1992	1993	Winthrop	92-16	6	WA	37n	17e	30	
61703020.0	No Dice claim	1997	unknown	Winthrop	97-02	6	WA	38n	20e	23	
61703021.0	Lake Ann claims	1997	unknown	Winthrop	97-03	6	WA	35n	17e	28,29	
61901001.0	Carmen claims, Miners Basin	1995	unknown	Chelan	3	6	WA	31n	20e	32	
61901002.0	Holden mine	1982	1984	Chelan	1.1	6	WA	31n	17e	7,18	
61901003.0	Holden mine	1985	unknown	Chelan	1.2	6	Wa	31n	16e	12,13	
61901004.0	Holden mine	1997	1998	Chelan	2	6	WA	31n	16e	7,18	
61902002.0	Liberty Dist.	1998	unknown	Cle Elum	4	6	WA	20n	17e	3,10,17,21	
61902003.0	CleElum Dist--Camp & Fortune Cr.	1998	unknown	Cle Elum	1.1	6	WA	23 n	14e	26	n1/2
61902004.0	Silver Girl claims-Camp Cr.	1997	unknown	Cle Elum		6	WA	23n	14e	26	
61902005.0	Silver Girl claims-Camp Cr.	1996	unknown	Cle Elum		6	WA	23n	14e	26	
61902006.0	Silver Girl claims-Camp Cr.	1995	unknown	Cle Elum		6	WA	23n	14e	26	
61902007.0	Silver Girl claims-Camp Cr.	1994	unknown	Cle Elum		6	WA	23n	14e	26	
61902008.0	Silver Girl claims-Camp Cr.	1993	unknown	Cle Elum		6	WA	23n	14e	26	
61902009.0	Silver Girl claims-Camp Cr.	1992	unknown	Cle Elum		6	WA	23n	14e	26	
61902010.0	Silver Girl claims-Camp Cr.	1991	unknown	Cle Elum		6	WA	23n	14e	26	
61902011.0	Silver Girl claims-Camp Cr.	1990	unknown	Cle Elum		6	WA	23n	14e	26	
61902012.0	Silver Girl claims-Camp Cr.	1988	unknown	Cle Elum		6	WA	23n	14e	26	
61902013.0	Silver Girl claims-Camp Cr.	1987	unknown	Cle Elum		6	WA	23n	14e	26	
61902014.0	Silver Girl claims-Camp Cr.	1986	unknown	Cle Elum		6	WA	23n	14e	26	
61902015.0	Silver Girl claims-Camp Cr.	1985	unknown	Cle Elum		6	WA	23n	14e	26	
61902016.0	Silver Girl claims-Camp Cr.	1984	unknown	Cle Elum		6	WA	23n	14e	26	
61902017.0	Silver Girl claims-Camp Cr.	1983	unknown	Cle Elum		6	WA	23n	14e	26	
61902018.0	Silver Girl claims-Camp Cr.	1982	unknown	Cle Elum		6	WA	23n	14e	26	
61902019.0	Silver Girl claims-Camp Cr.	1981	unknown	Cle Elum		6	WA	23n	14e	26	
61902020.0	Silver Girl claims-Camp Cr.	1980	unknown	Cle Elum		6	WA	23n	14e	26	
61902021.0	Silver Girl claims-Camp Cr.	1979	unknown	Cle Elum		6	WA	23n	14e	26	
61902022.0	Silver Girl claims-Camp Cr.	1978	unknown	Cle Elum		6	WA	23n	14e	26	
61902023.0	Bullfrog	1994	unknown	Cle Elum		6	WA	21n	18e	31	senw
61902024.0	Bullfrog	1993	unknown	Cle Elum		6	WA	21n	18e	31	senw

Appendix 1 - Table of plans of operation and notices of intent filed in Colville, Kaniksu, Okanogan, and Wenatchee National Forests, Washington State.

Permit No.	Type	Forest	Company	Primary commodity	All Commodities	Latitude	Longitude	Purpose
61902025.0	Plan	Wenatchee	Gene Armfield	Au	Au	47.2674	-120.6288	explor. tunnel
61902026.0	Plan	Wenatchee	Gene Armfield	Au	Au	47.2674	-120.6288	explor. tunnel
61902027.0	Plan	Wenatchee	Gene Armfield	Au	Au	47.2674	-120.6288	explor. tunnel
61902028.0	Plan	Wenatchee	Benish	Au placer	Au placer	47.2572	-120.6736	5 acre placer operation
61902029.0	Plan	Wenatchee	Benish	Au placer	Au placer	47.2572	-120.6736	5 acre placer operation
61902030.0	Plan	Wenatchee	Benish	Au placer	Au placer	47.2572	-120.6736	5 acre placer operation
61902031.0	Plan	Wenatchee	Benish	Au placer	Au placer	47.2572	-120.6736	5 acre placer operation
61902032.0	Plan	Wenatchee	Benish	Au placer	Au placer	47.2572	-120.6736	5 acre placer operation
61902033.0	Plan	Wenatchee	Benish	Au placer	Au placer	47.2572	-120.6736	5 acre placer operation
61902034.0	Plan	Wenatchee	Benish	Au placer	Au placer	47.2572	-120.6736	5 acre placer operation
61902035.0	Plan	Wenatchee	Benish	Au	Au	47.2572	-120.6736	backhoe prospecting
61902036.0	Plan	Wenatchee	Benish	Au	Au	47.2572	-120.6736	reclamation & closing operation
61902037.0	Plan	Wenatchee	Benish	Au	Au	47.2572	-120.6736	reclamation & closing operation
61902038.0	Plan	Wenatchee	Carlson	Agate	Agate	47.2132	-120.6310	works annually to supply jewelry store
61902039.0	Plan	Wenatchee	Carlson	Agate	Agate	47.2132	-120.6310	works annually to supply jewelry store
61902040.0	Plan	Wenatchee	Carlson	Agate	Agate	47.2132	-120.6310	works annually to supply jewelry store
61902041.0	Plan	Wenatchee	Carlson	Agate	Agate	47.2132	-120.6310	works annually to supply jewelry store
61902042.0	Plan	Wenatchee	Carlson	Agate	Agate	47.2132	-120.6310	works annually to supply jewelry store
61902043.0	Plan	Wenatchee	Carlson	Agate	Agate	47.2132	-120.6310	works annually to supply jewelry store
61902044.0	Plan	Wenatchee	Carlson	Agate	Agate	47.2132	-120.6310	works annually to supply jewelry store
61902045.0	Plan	Wenatchee	Carlson	Agate	Agate	47.2132	-120.6310	works annually to supply jewelry store
61902046.0	Plan	Wenatchee	Carlson	Agate	Agate	47.2132	-120.6310	works annually to supply jewelry store
61902047.0	Plan	Wenatchee	Carlson	Agate	Agate	47.2132	-120.6310	works annually to supply jewelry store
61902048.0	Plan	Wenatchee	Carlson	Agate	Agate	47.2132	-120.6310	works annually to supply jewelry store
61902049.0	Plan	Wenatchee	Carlson	Agate	Agate	47.2132	-120.6310	works annually to supply jewelry store
61902050.0	Plan	Wenatchee	Carlson	Agate	Agate	47.2132	-120.6310	works annually to supply jewelry store
61902051.0	Plan	Wenatchee	Corbley	Au placer	Au placer	47.2674	-120.6920	open pit, wash plant, typical placer equip.
61902052.0	Plan	Wenatchee	Corbley	Au placer	Au placer	47.2674	-120.6920	open pit, wash plant, typical placer equip.
61902053.0	Plan	Wenatchee	Corbley	Au placer	Au placer	47.2674	-120.6920	open pit, wash plant, typical placer equip.
61902054.0	Plan	Wenatchee	Corbley	Au placer	Au placer	47.2674	-120.6920	open pit, wash plant, typical placer equip.
61902055.0	Plan	Wenatchee	Corbley	Au placer	Au placer	47.2674	-120.6920	open pit, wash plant, typical placer equip.
61902056.0	Plan	Wenatchee	Corbley	Au placer	Au placer	47.2674	-120.6920	open pit, wash plant, typical placer equip.
61902057.0	Plan	Wenatchee	Corbley	Au placer	Au placer	47.2674	-120.6920	open pit, wash plant, typical placer equip.
61902058.0	Plan	Wenatchee	Corbley	Au placer	Au placer	47.2674	-120.6920	open pit, wash plant, typical placer equip.
61902059.0	Plan	Wenatchee	Corbley	Au placer	Au placer	47.2674	-120.6920	open pit, wash plant, typical placer equip.
61902060.0	Plan	Wenatchee	Corbley	Au placer	Au placer	47.2674	-120.6920	open pit, wash plant, typical placer equip.
61902061.0	Plan	Wenatchee	Corbley	Au placer	Au placer	47.2674	-120.6920	open pit, wash plant, typical placer equip.
61902062.0	Plan	Wenatchee	Craven	Au	Au, Cu	47.3969	-121.1349	stockpile sulfidic material; host rock is Roslyn Form.
61902063.0	Plan	Wenatchee	Craven	Au	Au, Cu	47.3969	-121.1349	stockpile sulfidic material; host rock is Roslyn Form.
61902064.0	Plan	Wenatchee	Craven	Au	Au, Cu	47.3969	-121.1349	stockpile sulfidic material; host rock is Roslyn Form.
61902065.0	Plan	Wenatchee	Craven	Au	Au, Cu	47.3969	-121.1349	stockpile sulfidic material; host rock is Roslyn Form.
61902066.0	Plan	Wenatchee	Johnson	Au paleo placer	Au paleo placer	47.2572	-120.6948	tunnelling into paleo placer & use wash plant
61902067.0	Plan	Wenatchee	Johnson	Au paleo placer	Au paleo placer	47.2572	-120.6948	tunnelling into paleo placer & use wash plant
61902068.0	Plan	Wenatchee	Johnson	Au paleo placer	Au paleo placer	47.2572	-120.6948	tunnelling into paleo placer & use wash plant
61902069.0	Plan	Wenatchee	Johnson	Au paleo placer	Au paleo placer	47.2572	-120.6948	tunnelling into paleo placer & use wash plant
61902070.0	Plan	Wenatchee	Johnson	Au paleo placer	Au paleo placer	47.2572	-120.6948	tunnelling into paleo placer & use wash plant
61902071.0	Plan	Wenatchee	Johnson	Au paleo placer	Au paleo placer	47.2572	-120.6948	tunnelling into paleo placer & use wash plant
61902072.0	Plan	Wenatchee	Johnson	Au placer	Au placer	47.2572	-120.6948	high grading; tunnel explor. ; wash plant @ 20 cu yds/year
61902073.0	Plan	Wenatchee	Johnson	Au placer	Au placer	47.2572	-120.6948	high grading; tunnel explor. ; wash plant @ 20 cu yds/year

Appendix 1 - Table of plans of operation and notices of intent filed in Colville, Kaniksu, Okanogan, and Wenatchee National Forests, Washington State.

Permit No.	Project	Start Year	Finish year	District	Local No.	Region	State	Township	Range	All Sections	Subdiv.
61902025.0	Bullfrog	1992	unknown	Cle Elum		6	WA	21n	18e	31	senw
61902026.0	Bullfrog	1991	unknown	Cle Elum		6	WA	21n	18e	31	senw
61902027.0	Bullfrog	1990	unknown	Cle Elum		6	WA	21n	18e	31	senw
61902028.0	Liberty Bell	1978	unknown	Cle Elum		6	WA	20n	17e	2	nese
61902029.0	Liberty Bell	1979	unknown	Cle Elum		6	WA	20n	17e	2	nese
61902030.0	Liberty Bell	1980	unknown	Cle Elum		6	WA	20n	17e	2	nese
61902031.0	Liberty Bell	1981	unknown	Cle Elum		6	WA	20n	17e	2	nese
61902032.0	Liberty Bell	1982	unknown	Cle Elum		6	WA	20n	17e	2	nese
61902033.0	Liberty Bell	1983	unknown	Cle Elum		6	WA	20n	17e	2	nese
61902034.0	Liberty Bell	1984	unknown	Cle Elum		6	WA	20n	17e	2	nese
61902035.0	Liberty Bell	1996	unknown	Cle Elum		6	WA	20n	17e	2	nese
61902036.0	Liberty Bell	1998	unknown	Cle Elum		6	WA	20n	17e	2	nese
61902037.0	Liberty Bell	1997	unknown	Cle Elum		6	WA	20n	17e	2	nese
61902038.0	Hardrock claims	1998	unknown	Cle Elum		6	WA	20n	18e	19,20	
61902039.0	Hardrock claims	1997	unknown	Cle Elum		6	WA	20n	18e	19,20	
61902040.0	Hardrock claims	1996	unknown	Cle Elum		6	WA	20n	18e	19,20	
61902041.0	Hardrock claims	1995	unknown	Cle Elum		6	WA	20n	18e	19,20	
61902042.0	Hardrock claims	1994	unknown	Cle Elum		6	WA	20n	18e	19,20	
61902043.0	Hardrock claims	1993	unknown	Cle Elum		6	WA	20n	18e	19,20	
61902044.0	Hardrock claims	1992	unknown	Cle Elum		6	WA	20n	18e	19,20	
61902045.0	Hardrock claims	1991	unknown	Cle Elum		6	WA	20n	18e	19,20	
61902046.0	Hardrock claims	1990	unknown	Cle Elum		6	WA	20n	18e	19,20	
61902047.0	Hardrock claims	1989	unknown	Cle Elum		6	WA	20n	18e	19,20	
61902048.0	Hardrock claims	1988	unknown	Cle Elum		6	WA	20n	18e	19,20	
61902049.0	Hardrock claims	1987	unknown	Cle Elum		6	WA	20n	18e	19,20	
61902050.0	Hardrock claims	1986	unknown	Cle Elum		6	WA	20n	18e	19,20	
61902051.0	Orofino	1998	unknown	Cle Elum		6	WA	21n	17e	34	sw
61902052.0	Orofino	1997	unknown	Cle Elum		6	WA	21n	17e	34	sw
61902053.0	Orofino	1996	unknown	Cle Elum		6	WA	21n	17e	34	sw
61902054.0	Orofino	1995	unknown	Cle Elum		6	WA	21n	17e	34	sw
61902055.0	Orofino	1994	unknown	Cle Elum		6	WA	21n	17e	34	sw
61902056.0	Orofino	1993	unknown	Cle Elum		6	WA	21n	17e	34	sw
61902057.0	Orofino	1992	unknown	Cle Elum		6	WA	21n	17e	34	sw
61902058.0	Orofino	1991	unknown	Cle Elum		6	WA	21n	17e	34	sw
61902059.0	Orofino	1990	unknown	Cle Elum		6	WA	21n	17e	34	sw
61902060.0	Orofino	1989	unknown	Cle Elum		6	WA	21n	17e	34	sw
61902061.0	Orofino	1988	unknown	Cle Elum		6	WA	21n	17e	34	sw
61902062.0	Rainbow Mines	1990	unknown	Cle Elum		6	WA	22n	14e	18	nwsW
61902063.0	Rainbow Mines	1989	unknown	Cle Elum		6	WA	22n	14e	18	nwsW
61902064.0	Rainbow Mines	1987	unknown	Cle Elum		6	WA	22n	14e	18	nwsW
61902065.0	Rainbow Mines	1986	unknown	Cle Elum		6	WA	22n	14e	18	nwsW
61902066.0	Chic claims	1987	unknown	Cle Elum		6	WA	20n	17e	3	sese
61902067.0	Chic claims	1986	unknown	Cle Elum		6	WA	20n	17e	3	sese
61902068.0	Chic claims	1985	unknown	Cle Elum		6	WA	20n	17e	3	sese
61902069.0	Chic claims	1984	unknown	Cle Elum		6	WA	20n	17e	3	sese
61902070.0	Chic claims	1983	unknown	Cle Elum		6	WA	20n	17e	3	sese
61902071.0	Chic claims	1982	unknown	Cle Elum		6	WA	20n	17e	3	sese
61902072.0	Chic claims	1998	unknown	Cle Elum		6	WA	20n	17e	3	sese
61902073.0	Chic claims	1997	unknown	Cle Elum		6	WA	20n	17e	3	sese

Appendix 1 - Table of plans of operation and notices of intent filed in Colville, Kaniksu, Okanogan, and Wenatchee National Forests, Washington State.

Permit No.	Type	Forest	Company	Primary commodity	All Commodities	Latitude	Longitude	Purpose
61902074.0	Plan	Wenatchee	Johnson	Au placer	Au placer	47.2572	-120.6948	high grading; tunnel explor. ; wash plant @ 20 cu yds/year
61902075.0	Plan	Wenatchee	Johnson	Au placer	Au placer	47.2572	-120.6948	high grading; tunnel explor. ; wash plant @ 20 cu yds/year
61902076.0	Plan	Wenatchee	Johnson	Au placer	Au placer	47.2572	-120.6948	high grading; tunnel explor. ; wash plant @ 20 cu yds/year
61902077.0	Plan	Wenatchee	Gold Capital	Au	Au	47.2572	-120.6523	explor. drilling in Swauk Dist
61902078.0	Plan	Wenatchee	Parish	Au placer	Au placer	47.4832	-121.1138	bulk sampling
61902079.0	Plan	Wenatchee	Gouv	Au	Au	47.2962	-120.6920	explor. along Teanaway basalt dikes in Swauk Dist
61902080.0	Plan	Wenatchee	Gouv	Au	Au	47.2962	-120.6920	explor. along Teanaway basalt dikes in Swauk Dist
61902081.0	Plan	Wenatchee	Ferder	Au paleo placer	Au paleo placer	47.2674	-120.6288	tunnel exploration; sampling; Swauk Dist
61902082.0	Plan	Wenatchee	Ferder	Au paleo placer	Au paleo placer	47.2674	-120.6288	tunnel exploration; sampling; Swauk Dist
61902083.0	Plan	Wenatchee	Ferder	Au paleo placer	Au paleo placer	47.2674	-120.6288	tunnel exploration; sampling; Swauk Dist
61902084.0	Plan	Wenatchee	Ferder	Au paleo placer	Au paleo placer	47.2674	-120.6288	tunnel exploration; sampling; Swauk Dist
61902085.0	Plan	Wenatchee	Ferder	Au paleo placer	Au paleo placer	47.2674	-120.6288	tunnel exploration; sampling; Swauk Dist
61902086.0	Plan	Wenatchee	Ferder	Au paleo placer	Au paleo placer	47.2674	-120.6288	tunnel exploration; sampling; Swauk Dist
61902087.0	Plan	Wenatchee	Ferder	Au paleo placer	Au paleo placer	47.2674	-120.6288	tunnel exploration; sampling; Swauk Dist
61902088.0	Plan	Wenatchee	Ferder	Au paleo placer	Au paleo placer	47.2674	-120.6288	tunnel exploration; sampling; Swauk Dist
61902089.0	Plan	Wenatchee	Ferder	Au paleo placer	Au paleo placer	47.2674	-120.6288	tunnel exploration; sampling; Swauk Dist
61902090.0	Plan	Wenatchee	Ferder	Au paleo placer	Au paleo placer	47.2674	-120.6288	tunnel exploration; sampling; Swauk Dist
61902091.0	Plan	Wenatchee	Ferder	Au paleo placer	Au paleo placer	47.2674	-120.6288	tunnel exploration; sampling; Swauk Dist
61902092.0	Plan	Wenatchee	Ferder	Au paleo placer	Au paleo placer	47.2674	-120.6288	tunnel exploration; sampling; Swauk Dist
61902093.0	Plan	Wenatchee	Ferder	Au paleo placer	Au paleo placer	47.2674	-120.6288	tunnel exploration; sampling; Swauk Dist
61902094.0	Plan	Wenatchee	Holter	Au paleo placer	Au paleo placer	47.2572	-120.6736	refurbish 850 ft tunnel and shaft house, sampling
61902095.0	Plan	Wenatchee	Holter	Au paleo placer	Au paleo placer	47.2572	-120.6736	refurbish 850 ft tunnel and shaft house, sampling
61902096.0	Plan	Wenatchee	Holter	Au paleo placer	Au paleo placer	47.2572	-120.6736	refurbish 850 ft tunnel and shaft house, sampling
61902097.0	Plan	Wenatchee	Holter	Au paleo placer	Au paleo placer	47.2572	-120.6736	refurbish 850 ft tunnel and shaft house, sampling
61902098.0	Plan	Wenatchee	Marr	Au	Au	47.2962	-120.6710	reclamation
61902099.0	Plan	Wenatchee	Marr	Au	Au	47.2962	-120.6710	bulk sampling along Teanaway basalt dikes
61902100.0	Plan	Wenatchee	Marr	Au	Au	47.2962	-120.6710	bulk sampling along Teanaway basalt dikes
61902101.0	Plan	Wenatchee	Marr	Au	Au	47.2962	-120.6710	bulk sampling along Teanaway basalt dikes
61902102.0	Plan	Wenatchee	Marr	Au	Au	47.2962	-120.6710	bulk sampling along Teanaway basalt dikes
61902103.0	Plan	Wenatchee	Marr	Au	Au	47.2962	-120.6710	bulk sampling along Teanaway basalt dikes
61902104.0	Plan	Wenatchee	Marr	Au	Au	47.2962	-120.6710	bulk sampling along Teanaway basalt dikes
61902105.0	Plan	Wenatchee	Marr	Au	Au	47.2962	-120.6710	bulk sampling along Teanaway basalt dikes
61902106.0	Plan	Wenatchee	Marr	Au	Au	47.2962	-120.6710	bulk sampling along Teanaway basalt dikes
61902107.0	Plan	Wenatchee	Mey	Au	Au	47.2426	-120.6948	bulk sampling along Teanaway basalt dikes
61902108.0	Plan	Wenatchee	Mey	Au	Au	47.2426	-120.6948	bulk sampling along Teanaway basalt dikes
61902109.0	Plan	Wenatchee	Mey	Au	Au	47.2426	-120.6948	bulk sampling along Teanaway basalt dikes
61902110.0	Plan	Wenatchee	Mey	Au	Au	47.2426	-120.6948	bulk sampling along Teanaway basalt dikes
61902111.0	Plan	Wenatchee	Mey	Au	Au	47.2426	-120.6948	Access rd. for bulk sampling
61902112.0	Plan	Wenatchee	Mieras	Au	Au	47.2818	-120.6288	tunneling; crush-gravity separation plant for wire gold
61902113.0	Plan	Wenatchee	Mieras	Au	Au	47.2818	-120.6288	tunneling; crush-gravity separation plant for wire gold
61902114.0	Plan	Wenatchee	Mieras	Au	Au	47.2818	-120.6288	tunneling; crush-gravity separation plant for wire gold
61902115.0	Plan	Wenatchee	Mieras	Au	Au	47.2818	-120.6288	tunneling; crush-gravity separation plant for wire gold
61902116.0	Plan	Wenatchee	Mieras	Au	Au	47.2818	-120.6288	tunneling; crush-gravity separation plant for wire gold
61902117.0	Plan	Wenatchee	Mieras	Au	Au	47.2818	-120.6288	tunneling; crush-gravity separation plant for wire gold
61902118.0	Plan	Wenatchee	Mieras	Au	Au	47.2818	-120.6288	tunneling; crush-gravity separation plant for wire gold
61902119.0	Plan	Wenatchee	Mieras	Au	Au	47.2818	-120.6288	tunneling; crush-gravity separation plant for wire gold
61902120.0	Plan	Wenatchee	Mieras	Au	Au	47.2818	-120.6288	tunneling; crush-gravity separation plant for wire gold
61902121.0	Plan	Wenatchee	Mieras	Au	Au	47.2818	-120.6288	tunneling; crush-gravity separation plant for wire gold
61902122.0	Plan	Wenatchee	Mieras	Au	Au	47.2818	-120.6288	tunneling; crush-gravity separation plant for wire gold

Appendix 1 - Table of plans of operation and notices of intent filed in Colville, Kaniksu, Okanogan, and Wenatchee National Forests, Washington State.

Permit No.	Project	Start Year	Finish year	District	Local No.	Region	State	Township	Range	All Sections	Subdiv.
61902074.0	Chic claims	1996	unknown	Cle Elum	6	WA	20n	17e	3		sese
61902075.0	Chic claims	1995	unknown	Cle Elum	6	WA	20n	17e	3		sese
61902076.0	Chic claims	1994	unknown	Cle Elum	6	WA	20n	17e	3		sese
61902077.0	Sunset Gold-9 claims	1986	unknown	Cle Elum	6	WA	20n	17e	1		n2
61902078.0	Crazy 8 claims	1998	unknown	Cle Elum	6	WA	23n	14e	17		sew
61902079.0	not available	1998	unknown	Cle Elum	6	WA	21n	17e	22		nesw
61902080.0	not available	1997	unknown	Cle Elum	6	WA	21n	17e	22		nesw
61902081.0	Bullfrog claims	1998	unknown	Cle Elum	6	WA	21n	18e	31		senw
61902082.0	Bullfrog claims	1998	unknown	Cle Elum	6	WA	21n	18e	31		senw
61902083.0	Bullfrog claims	1998	unknown	Cle Elum	6	WA	21n	18e	31		senw
61902084.0	Bullfrog claims	1998	unknown	Cle Elum	6	WA	21n	18e	31		senw
61902085.0	Bullfrog claims	1998	unknown	Cle Elum	6	WA	21n	18e	31		senw
61902086.0	Bullfrog claims	1998	unknown	Cle Elum	6	WA	21n	18e	31		senw
61902087.0	Bullfrog claims	1998	unknown	Cle Elum	6	WA	21n	18e	31		senw
61902088.0	Bullfrog claims	1998	unknown	Cle Elum	6	WA	21n	18e	31		senw
61902089.0	Bullfrog claims	1998	unknown	Cle Elum	6	WA	21n	18e	31		senw
61902090.0	Bullfrog claims	1998	unknown	Cle Elum	6	WA	21n	18e	31		senw
61902091.0	Bullfrog claims	1998	unknown	Cle Elum	6	WA	21n	18e	31		senw
61902092.0	Bullfrog claims	1998	unknown	Cle Elum	6	WA	21n	18e	31		senw
61902093.0	Bullfrog claims	1998	unknown	Cle Elum	6	WA	21n	18e	31		senw
61902094.0	Blackjack claim; Swauk Dist.	1985	unknown	Cle Elum	6	WA	20n	17e	2		sesw
61902095.0	Blackjack claim; Swauk Dist.	1995	unknown	Cle Elum	6	WA	20n	17e	2		sesw
61902096.0	Blackjack claim; Swauk Dist.	1997	unknown	Cle Elum	6	WA	20n	17e	2		sesw
61902097.0	Blackjack claim; Swauk Dist.	1998	unknown	Cle Elum	6	WA	20n	17e	2		sesw
61902098.0	G & M claims	1998	unknown	Cle Elum	6	WA	21n	17e	23		senw
61902099.0	G & M claims	1996	unknown	Cle Elum	6	WA	21n	17e	23		senw
61902100.0	G & M claims	1995	unknown	Cle Elum	6	WA	21n	17e	23		senw
61902101.0	G & M claims	1994	unknown	Cle Elum	6	WA	21n	17e	23		senw
61902102.0	G & M claims	1993	unknown	Cle Elum	6	WA	21n	17e	23		senw
61902103.0	G & M claims	1992	unknown	Cle Elum	6	WA	21n	17e	23		senw
61902104.0	G & M claims	1991	unknown	Cle Elum	6	WA	21n	17e	23		senw
61902105.0	G & M claims	1990	unknown	Cle Elum	6	WA	21n	17e	23		senw
61902106.0	G & M claims	1989	unknown	Cle Elum	6	WA	21n	17e	23		senw
61902107.0	Critter claim	1996	unknown	Cle Elum	6	WA	20n	17e	10		nenw
61902108.0	Critter claim	1995	unknown	Cle Elum	6	WA	20n	17e	10		nenw
61902109.0	Critter claim	1994	unknown	Cle Elum	6	WA	20n	17e	10		nenw
61902110.0	Critter claim	1993	unknown	Cle Elum	6	WA	20n	17e	10		nenw
61902111.0	Critter claim	1992	unknown	Cle Elum	6	WA	20n	17e	10		nenw
61902112.0	Maverick claims	1998	unknown	Cle Elum	6	WA	21n	18e	30		nese
61902113.0	Maverick claims	1997	unknown	Cle Elum	6	WA	21n	18e	30		nese
61902114.0	Maverick claims	1996	unknown	Cle Elum	6	WA	21n	18e	30		nese
61902115.0	Maverick claims	1995	unknown	Cle Elum	6	WA	21n	18e	30		nese
61902116.0	Maverick claims	1994	unknown	Cle Elum	6	WA	21n	18e	30		nese
61902117.0	Maverick claims	1993	unknown	Cle Elum	6	WA	21n	18e	30		nese
61902118.0	Maverick claims	1992	unknown	Cle Elum	6	WA	21n	18e	30		nese
61902119.0	Maverick claims	1991	unknown	Cle Elum	6	WA	21n	18e	30		nese
61902120.0	Maverick claims	1990	unknown	Cle Elum	6	WA	21n	18e	30		nese
61902121.0	Maverick claims	1989	unknown	Cle Elum	6	WA	21n	18e	30		nese
61902122.0	Maverick claims	1988	unknown	Cle Elum	6	WA	21n	18e	30		nese

Appendix 1 - Table of plans of operation and notices of intent filed in Colville, Kaniksu, Okanogan, and Wenatchee National Forests, Washington State.

Permit No.	Type	Forest	Company	Primary commodity	All Commodities	Latitude	Longitude	Purpose
61902123.0	Plan	Wenatchee	Mieras	Au	Au	47.2818	-120.6288	tunneling; crush-gravity separation plant for wire gold
61902124.0	Plan	Wenatchee	Mieras	Au	Au	47.2818	-120.6288	tunneling; crush-gravity separation plant for wire gold
61902125.0	Plan	Wenatchee	Mieras	Au	Au	47.2818	-120.6288	tunneling; crush-gravity separation plant for wire gold
61902126.0	Plan	Wenatchee	Mieras	Au	Au	47.2818	-120.6288	tunneling; crush-gravity separation plant for wire gold
61902127.0	Plan	Wenatchee	Mieras	Au	Au	47.2818	-120.6288	tunneling; crush-gravity separation plant for wire gold
61902128.0	Plan	Wenatchee	Mieras	Au	Au	47.2818	-120.6288	tunneling; crush-gravity separation plant for wire gold
61902129.0	Plan	Wenatchee	Mieras	Au	Au	47.2818	-120.6288	tunneling; crush-gravity separation plant for wire gold
61902130.0	Plan	Wenatchee	Mieras	Au	Au	47.2818	-120.6288	tunneling; crush-gravity separation plant for wire gold
61902131.0	Plan	Wenatchee	Mieras	Au	Au	47.2818	-120.6288	tunneling; crush-gravity separation plant for wire gold
61902132.0	Plan	Wenatchee	Mieras	Au	Au	47.2818	-120.6288	tunneling; crush-gravity separation plant for wire gold
61902133.0	Plan	Wenatchee	Newman	Au	Au	47.2674	-120.6920	re-open old shafts, crush & ball mill; bulk sampling
61902134.0	Plan	Wenatchee	Newman	Au	Au	47.2674	-120.6920	re-open old shafts, crush & ball mill; bulk sampling
61902135.0	Plan	Wenatchee	Newman	Au	Au	47.2674	-120.6920	re-open old shafts, crush & ball mill; bulk sampling
61902136.0	Plan	Wenatchee	Newman	Au	Au	47.2674	-120.6920	re-open old shafts, crush & ball mill; bulk sampling
61902137.0	Plan	Wenatchee	Newman	Au	Au	47.2674	-120.6920	re-open old shafts, crush & ball mill; bulk sampling
61902138.0	Plan	Wenatchee	Newman	Au	Au	47.2674	-120.6920	bulk sampling of old adit; 310 ft
61902139.0	Plan	Wenatchee	Newman	Au	Au	47.2818	-120.6920	bulk sampling of old adit; 310 ft
61902140.0	Plan	Wenatchee	Nicholas	Au paleo placer	Au paleo placer	47.2674	-120.6920	suction dredge of 30 cu yds annually; Swauk Dist.
61902141.0	Plan	Wenatchee	Nicholas	Au paleo placer	Au paleo placer	47.2674	-120.6920	suction dredge of 30 cu yds annually; Swauk Dist.
61902142.0	Plan	Wenatchee	Nicholas	Au paleo placer	Au paleo placer	47.2674	-120.6920	suction dredge of 30 cu yds annually; Swauk Dist.
61902143.0	Plan	Wenatchee	Kilmer/MMC Resources	Au paleo placer	Au paleo placer	47.2426	-120.6948	drilling and bulk sampling
61902144.0	Plan	Wenatchee	Kilmer/MMC Resources	Au paleo placer	Au paleo placer	47.2426	-120.6948	drilling and bulk sampling
61902145.0	Plan	Wenatchee	Kilmer	Au paleo placer	Au paleo placer	47.2426	-120.6948	proposal for larger scale wash plant
61902146.0	Plan	Wenatchee	Palo	Au	Au	47.2572	-120.6310	tunnell along Teanaway basalt dike; process in wash plant
61902147.0	Plan	Wenatchee	Palo	Au	Au	47.2572	-120.6310	tunnell along Teanaway basalt dike; process in wash plant
61902148.0	Plan	Wenatchee	Palo	Au	Au	47.2572	-120.6310	tunnell along Teanaway basalt dike; process in wash plant
61902149.0	Plan	Wenatchee	Palo	Au	Au	47.2572	-120.6310	tunnell along Teanaway basalt dike; process in wash plant
61902150.0	Plan	Wenatchee	Palo	Au	Au	47.2572	-120.6310	tunnell along Teanaway basalt dike; process in wash plant
61902151.0	Plan	Wenatchee	Palo	Au	Au	47.2572	-120.6310	tunnell along Teanaway basalt dike; process in wash plant
61902152.0	Plan	Wenatchee	Palo	Au	Au	47.2572	-120.6310	tunnell along Teanaway basalt dike; process in wash plant
61902153.0	Plan	Wenatchee	Proukop	Au paleo placer	Au paleo placer	47.3394	-120.6920	excavate open pit and wash plant
61902154.0	Plan	Wenatchee	Proukop	Au paleo placer	Au paleo placer	47.3394	-120.6920	excavate open pit and wash plant
61902155.0	Plan	Wenatchee	Proukop	Au paleo placer	Au paleo placer	47.3394	-120.6920	excavate open pit and wash plant
61902156.0	Plan	Wenatchee	Proukop	Au paleo placer	Au paleo placer	47.3394	-120.6920	excavate open pit and wash plant
61902157.0	Plan	Wenatchee	Sanders	Au	Au	47.3106	-120.6288	bulk sample1860s adits; 1860s arrastre; road construction
61902158.0	Plan	Wenatchee	Sanders	Au	Au	47.3106	-120.6288	bulk sample1860s adits; 1860s arrastre; road construction
61902159.0	Plan	Wenatchee	Sanders	Au	Au	47.3106	-120.6288	bulk sample1860s adits; 1860s arrastre; road construction
61902160.0	Plan	Wenatchee	Vauthiers	Au	Au	47.2818	-120.6288	tunnelling; hand work; high graded; archaic wash plant
61902161.0	Plan	Wenatchee	Vauthiers	Au	Au	47.2818	-120.6288	tunnelling; hand work; high graded; archaic wash plant
61902162.0	Plan	Wenatchee	Vauthiers	Au	Au	47.2818	-120.6288	tunnelling; hand work; high graded; archaic wash plant
61902163.0	Plan	Wenatchee	Vauthiers	Au	Au	47.2818	-120.6288	tunnelling; hand work; high graded; archaic wash plant
61902164.0	Plan	Wenatchee	Vauthiers	Au	Au	47.2818	-120.6288	tunnelling; hand work; high graded; archaic wash plant
61902165.0	Plan	Wenatchee	Vauthiers	Au	Au	47.2818	-120.6288	tunnelling; hand work; high graded; archaic wash plant
61902166.0	Plan	Wenatchee	Vauthiers	Au	Au	47.2818	-120.6288	tunnelling; hand work; high graded; archaic wash plant
61902167.0	Plan	Wenatchee	Vauthiers	Au	Au	47.2818	-120.6288	tunnelling; hand work; high graded; archaic wash plant
61902168.0	Plan	Wenatchee	Vauthiers	Au	Au	47.2818	-120.6288	tunnelling; hand work; high graded; archaic wash plant
61902169.0	Plan	Wenatchee	Vauthiers	Au	Au	47.2818	-120.6288	tunnelling; hand work; high graded; archaic wash plant
61902170.0	Plan	Wenatchee	Vauthiers	Au	Au	47.2818	-120.6288	tunnelling; hand work; high graded; archaic wash plant
61902171.0	Plan	Wenatchee	Vauthiers	Au	Au	47.2818	-120.6288	tunnelling; hand work; high graded; archaic wash plant

Appendix 1 - Table of plans of operation and notices of intent filed in Colville, Kaniksu, Okanogan, and Wenatchee National Forests, Washington State.

Permit No.	Project	Start Year	Finish year	District	Local No.	Region	State	Township	Range	All Sections	Subdiv.
61902123.0	Maverick claims	1987	unknown	Cle Elum	6	WA	21n	18e	30		nese
61902124.0	Maverick claims	1986	unknown	Cle Elum	6	WA	21n	18e	30		nese
61902125.0	Maverick claims	1985	unknown	Cle Elum	6	WA	21n	18e	30		nese
61902126.0	Maverick claims	1984	unknown	Cle Elum	6	WA	21n	18e	30		nese
61902127.0	Maverick claims	1983	unknown	Cle Elum	6	WA	21n	18e	30		nese
61902128.0	Maverick claims	1982	unknown	Cle Elum	6	WA	21n	18e	30		nese
61902129.0	Maverick claims	1981	unknown	Cle Elum	6	WA	21n	18e	30		nese
61902130.0	Maverick claims	1980	unknown	Cle Elum	6	WA	21n	18e	30		nese
61902131.0	Maverick claims	1979	unknown	Cle Elum	6	WA	21n	18e	30		nese
61902132.0	Maverick claims	1978	unknown	Cle Elum	6	WA	21n	18e	30		nese
61902133.0	Vita lode claim; Swauk Dist.	1998	unknown	Cle Elum	6	WA	21n	17e	34		nesw
61902134.0	Vita lode claim; Swauk Dist.	1997	unknown	Cle Elum	6	WA	21n	17e	34		nesw
61902135.0	Vita lode claim; Swauk Dist.	1996	unknown	Cle Elum	6	WA	21n	17e	34		nesw
61902136.0	Vita lode claim; Swauk Dist.	1995	unknown	Cle Elum	6	WA	21n	17e	34		nesw
61902137.0	Vita lode claim; Swauk Dist.	1994	unknown	Cle Elum	6	WA	21n	17e	34		nesw
61902138.0	Vita lode claim; Swauk Dist.	1993	unknown	Cle Elum	6	WA	21n	17e	34		nesw
61902139.0	Hole in the Wall claim	1992	unknown	Cle Elum	6	WA	21n	17e	27		swsw
61902140.0	Selma Point	1998	unknown	Cle Elum	6	WA	21n	17e	34		sesw
61902141.0	Selma Point	1997	unknown	Cle Elum	6	WA	21n	17e	34		sesw
61902142.0	Selma Point	1996	unknown	Cle Elum	6	WA	21n	17e	34		sesw
61902143.0	September Morn	1990	unknown	Cle Elum	6	WA	20n	17e	10		s2ne
61902144.0	September Morn	1989	unknown	Cle Elum	6	WA	20n	17e	10		s2ne
61902145.0	September Morn	1998	unknown	Cle Elum	6	WA	20n	17e	10		s2ne
61902146.0	Lucky Day; Swauk Dist.	1994	unknown	Cle Elum	6	WA	20n	18e	6		swnw
61902147.0	Lucky Day; Swauk Dist.	1993	unknown	Cle Elum	6	WA	20n	18e	6		swnw
61902148.0	Lucky Day; Swauk Dist.	1992	unknown	Cle Elum	6	WA	20n	18e	6		swnw
61902149.0	Lucky Day; Swauk Dist.	1991	unknown	Cle Elum	6	WA	20n	18e	6		swnw
61902150.0	Lucky Day; Swauk Dist.	1990	unknown	Cle Elum	6	WA	20n	18e	6		swnw
61902151.0	Lucky Day; Swauk Dist.	1989	unknown	Cle Elum	6	WA	20n	18e	6		swnw
61902152.0	Lucky Day; Swauk Dist.	1988	unknown	Cle Elum	6	WA	20n	18e	6		swnw
61902153.0	Gold Nugget	1998	unknown	Cle Elum	6	WA	21n	17e	3		nene
61902154.0	Gold Nugget	1997	unknown	Cle Elum	6	WA	21n	17e	3		nene
61902155.0	Gold Nugget	1996	unknown	Cle Elum	6	WA	21n	17e	3		nene
61902156.0	Gold Nugget	1995	unknown	Cle Elum	6	WA	21n	17e	3		nene
61902157.0	Southern Star Mine	1998	unknown	Cle Elum	6	WA	21n	18e	18		sesw
61902158.0	Southern Star Mine	1997	unknown	Cle Elum	6	WA	21n	18e	18		sesw
61902159.0	Southern Star Mine	1996	unknown	Cle Elum	6	WA	21n	18e	18		sesw
61902160.0	Nelson claim group	1994	unknown	Cle Elum	6	WA	21n	18e	30		swse
61902161.0	Nelson claim group	1993	unknown	Cle Elum	6	WA	21n	18e	30		swse
61902162.0	Nelson claim group	1992	unknown	Cle Elum	6	WA	21n	18e	30		swse
61902163.0	Nelson claim group	1991	unknown	Cle Elum	6	WA	21n	18e	30		swse
61902164.0	Nelson claim group	1990	unknown	Cle Elum	6	WA	21n	18e	30		swse
61902165.0	Nelson claim group	1989	unknown	Cle Elum	6	WA	21n	18e	30		swse
61902166.0	Nelson claim group	1988	unknown	Cle Elum	6	WA	21n	18e	30		swse
61902167.0	Nelson claim group	1987	unknown	Cle Elum	6	WA	21n	18e	30		swse
61902168.0	Nelson claim group	1986	unknown	Cle Elum	6	WA	21n	18e	30		swse
61902169.0	Nelson claim group	1985	unknown	Cle Elum	6	WA	21n	18e	30		swse
61902170.0	Nelson claim group	1984	unknown	Cle Elum	6	WA	21n	18e	30		swse
61902171.0	Nelson claim group	1983	unknown	Cle Elum	6	WA	21n	18e	30		swse

Appendix 1 - Table of plans of operation and notices of intent filed in Colville, Kaniksu, Okanogan, and Wenatchee National Forests, Washington State.

Permit No.	Type	Forest	Company	Primary commodity	All Commodities	Latitude	Longitude	Purpose
61902172.0	Plan	Wenatchee	Vauthiers	Au	Au	47.2818	-120.6288	tunnelling; hand work; high graded; archaic wash plant
61902173.0	Plan	Wenatchee	Vauthiers	Au	Au	47.2818	-120.6288	tunnelling; hand work; high graded; archaic wash plant
61902174.0	Plan	Wenatchee	Vauthiers	Au	Au	47.2818	-120.6288	tunnelling; hand work; high graded; archaic wash plant
61902175.0	Plan	Wenatchee	Vauthiers	Au	Au	47.2818	-120.6288	tunnelling; hand work; high graded; archaic wash plant
61902176.0	Plan	Wenatchee	Vauthiers	Au	Au	47.2818	-120.6288	tunnelling; hand work; high graded; archaic wash plant
61902177.0	Plan	Wenatchee	Vauthiers	Au	Au	47.2818	-120.6288	tunnelling; hand work; high graded; archaic wash plant
61902178.0	Plan	Wenatchee	Vauthiers	Au	Au	47.2818	-120.6288	tunnelling; hand work; high graded; archaic wash plant
61902179.0	Plan	Wenatchee	Vauthiers	Au	Au	47.2818	-120.6288	tunnelling; hand work; high graded; archaic wash plant
61902180.0	Plan	Wenatchee	Vauthiers	Au	Au	47.2818	-120.6288	tunnelling; hand work; high graded; archaic wash plant
61902181.0	Plan	Wenatchee	Vauthiers	Au	Au	47.2818	-120.6288	tunnelling; hand work; high graded; archaic wash plant
61902182.0	Plan	Wenatchee	Vauthiers	Au	Au	47.2818	-120.6288	tunnelling; hand work; high graded; archaic wash plant
61902183.0	Plan	Wenatchee	Vauthiers	Au	Au	47.2818	-120.6288	tunnelling; hand work; high graded; archaic wash plant
61902184.0	Plan	Wenatchee	Vauthiers	Au	Au	47.2818	-120.6288	tunnelling; hand work; high graded; archaic wash plant
61902185.0	Plan	Wenatchee	Vauthiers	Au	Au	47.2818	-120.6288	tunnelling; hand work; high graded; archaic wash plant
61902186.0	Plan	Wenatchee	Vauthiers	Au	Au	47.2818	-120.6288	tunnelling; hand work; high graded; archaic wash plant
61902187.0	Plan	Wenatchee	Vauthiers	Au	Au	47.2818	-120.6288	tunnelling; hand work; high graded; archaic wash plant
61903001.0	Plan	Wenatchee	Wayne McGee	Au	Au	47.7374	-120.2729	3 claims
61903002.0	Plan	Wenatchee	Wayne McGee	Au	Au	47.7374	-120.2515	3 claims
61903003.0	Plan	Wenatchee	Terra Resources	Not available	Not available	47.6222	-120.3587	explore
61903004.0	Plan	Wenatchee	Snowbird Resources	Not available	Not available	47.5887	-120.3368	drilling
61903005.0	Plan	Wenatchee	Snowbird Resources	Not available	Not available	47.7229	-120.4230	drilling
61903006.0	Plan	Wenatchee	Snowbird Resources	Not available	Not available	47.5741	-120.3582	drilling
61903007.0	Plan	Wenatchee	Snowbird Resources	Not available	Not available	47.6653	-120.3587	drilling
61903008.0	Plan	Wenatchee	Snowbird Resources	Not available	Not available	47.6366	-120.4445	drilling
61905001.0	Plan	Wenatchee	Bill Priestley/Gold Bond Resources, Vancouver BC	Au	Au,Ag	47.4257	-120.6710	rehab. Tunnels & 25 tpd mill; holds 9 pat. claims in sec 2&3

Appendix 1 - Table of plans of operation and notices of intent filed in Colville, Kaniksu, Okanogan, and Wenatchee National Forests, Washington State.

Permit No.	Project	Start Year	Finish year	District	Local No.	Region	State	Township	Range	All Sections	Subdiv.
61902172.0	Nelson claim group	1982	unknown	Cle Elum		6	WA	21n	18e	30	swse
61902173.0	Nelson claim group	1981	unknown	Cle Elum		6	WA	21n	18e	30	swse
61902174.0	Nelson claim group	1980	unknown	Cle Elum		6	WA	21n	18e	30	swse
61902175.0	Nelson claim group	1979	unknown	Cle Elum		6	WA	21n	18e	30	swse
61902176.0	Nelson claim group	1978	unknown	Cle Elum		6	WA	21n	18e	30	swse
61902177.0	Nelson claim group	1977	unknown	Cle Elum		6	WA	21n	18e	30	swse
61902178.0	Nelson claim group	1976	unknown	Cle Elum		6	WA	21n	18e	30	swse
61902179.0	Nelson claim group	1975	unknown	Cle Elum		6	WA	21n	18e	30	swse
61902180.0	Nelson claim group	1974	unknown	Cle Elum		6	WA	21n	18e	30	swse
61902181.0	Nelson claim group	1973	unknown	Cle Elum		6	WA	21n	18e	30	swse
61902182.0	Nelson claim group	1972	unknown	Cle Elum		6	WA	21n	18e	30	swse
61902183.0	Nelson claim group	1971	unknown	Cle Elum		6	WA	21n	18e	30	swse
61902184.0	Nelson claim group	1970	unknown	Cle Elum		6	WA	21n	18e	30	swse
61902185.0	Nelson claim group	1969	unknown	Cle Elum		6	WA	21n	18e	30	swse
61902186.0	Nelson claim group	1968	unknown	Cle Elum		6	WA	21n	18e	30	swse
61902187.0	Nelson claim group	1967	unknown	Cle Elum		6	WA	21n	18e	30	swse
61903001.0	Crumb Canyon	1986	1989	Entiat	7	6	WA	26n	20e	24	
61903002.0	Crumb Canyon	1986	1989	Entiat	8	6	WA	26n	21e	19	
61903003.0	Snowbird lodes	1993	unknown	Entiat	1	6	WA	25n	20e	32	
61903004.0	not available	1984	unknown	Entiat	2	6	WA	24n	20e	3,4,5,7,9,10,17,18,24	
61903005.0	not available	1984	unknown	Entiat	3	6	WA	26n	19e	14,15,25,26,27,32	
61903006.0	not available	1984	unknown	Entiat	4	6	WA	24n	20e	2,3,7,9,10,14,17,18,20,28	
61903007.0	not available	1984	unknown	Entiat	5	6	WA	25n	20e	6,17,18,20,30,31	
61903008.0	not available	1984	unknown	Entiat	6	6	WA	25n	19e	1,4,6,25,27,34,35	
61905001.0	Blewett Dist	1994	1994	Leavenworth	1	6	WA	22n	17e	2	sw, nwse

Appendix II. Metadata (of99-414.met)

Identification_Information:

Citation:

Citation_Information:

Originator: David Boleneus

Publication_Date: 1999

Title:

Geologic datasets for weights of evidence analysis in northeast Washington--3. Minerals-related permits on national forests, 1967 to 1998

Edition: version 1.0

Geospatial_Data_Presentation_Form: Excel 97 spreadsheet

Series_Information:

Series_Name: U.S.G.S. Open-File Report

Issue_Identification: OF99-414

Publication_Information:

Publication_Place: Spokane WA

Publisher:

U.S. Geological Survey

Online_Linkage:

URL = <http://wrgis.wr.usgs.gov/open-file/of99-414/>

Description:

Abstract:

Permits to explore for and (or) develop mineral resources on Federal lands can be used to indicate locations and types of mineral-related activities on national forests. Permits for these activities require filing of a Notice of Intent to conduct mineral exploration activities and (or) a Plan of Operation, if significant land disturbance results. This compilation of notices and plans for the Colville, Kaniksu, Okanogan, and Wenatchee national forests between 1967 and 1998 is intended for use in combination with geologic and economic information to predict future mineral-related activities in the region.

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.

Supplemental_Information:

This dataset consists of one Excel 97 spreadsheet file (of99-414.xls) which contains information about permits on national forest lands in northeast Washington State.

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 1998

Currentness_Reference: Date that data were collected and compiled.

Status:

Progress: complete

Maintenance_and_Update_Frequency: No updates are planned at this time.

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -121.25

East_Bounding_Coordinate: -117.0

North_Bounding_Coordinate: 49.0

South_Bounding_Coordinate: 47.25

Keywords:

Theme:

Theme_Keyword_Thesaurus: none

Theme_Keyword: mineral resource

Theme_Keyword: lead

Theme_Keyword: zinc

Theme_Keyword: gold

Theme_Keyword: silver

Theme_Keyword: plan of operation

Theme_Keyword: placer gold

Theme_Keyword: mines

Theme_Keyword: notice of intent

Theme_Keyword: forest service

Theme_Keyword: metallic

Theme_Keyword: non-metallic

Place:

Place_Keyword_Thesaurus: none

Place_Keyword: Washington

Place_Keyword: northeast Washington

Place_Keyword: Ferry County

Place_Keyword: Okanogan County

Place_Keyword: Pend Oreille County

Place_Keyword: Stevens County

Place_Keyword: Colville National Forest

Place_Keyword: Okanogan National Forest

Place_Keyword: Sandpoint

Place_Keyword: Okanogan

Place_Keyword: Pacific Northwest

Place_Keyword: USA

Place_Keyword: Kaniksu National Forest

Place_Keyword: Wenatchee National Forest

Place_Keyword: Chelan County

Place_Keyword: Kittitas County

Place_Keyword: Yakima County

Place_Keyword: Whatcom County

Access_Constraints: none

Use_Constraints:

This digital database is not meant to be used or displayed at any scale larger than 1:24,000. The user may need to contact the local Forest Service office for updates on Plans of Operation or Notices of Intention.

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 agrees not to misrepresent these data sets, nor to imply that changes they made were approved by the U.S. Geological Survey.

These data are not meant to be displayed at any scale larger than 1:24,000 (e.g., 1:12,000 or 1:2,000).

Data_Set_Credit:

David Boleneus compiled the data in digital form from U.S. Forest Service files. Compilation included removal of duplicate records and verifying latitude-longitude location. Points of latitude-longitude are located to the center of the nearest section and were calculated from Township-Range-Section data using the freeware script "trs2ll" (M. Wefald, written commun.).

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: David E. 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 for Win95

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report:

Attribute accuracy was verified by manual comparison of location of Plan of Operation or Notice of Intent obtained from US Forest Service files, where possible. 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 unpublished U.S. Forest Service files and is considered to be a unique mineral resource dataset for the area.

Positional_Accuracy:

Horizontal_Positional_Accuracy:

Horizontal_Positional_Accuracy_Report:

The horizontal positional accuracy for the digital data was checked against the original file data. Latitude-longitude points were calculated from Township-Range-Section given in U.S. Forest Service files. The accuracy of the file data was accepted and were not

checked on the ground. Points of latitude-longitude are located to the center of the nearest section and were calculated from Township-Range-Section data using the freeware script "trs2ll" (M. Wefald, written commun.). The area of each permit may occupy a larger area than depicted by the point location represented by the latitude and longitude location. The point location occurs somewhere within the boundaries of the larger area represented by the entire permit area boundary.

Lineage:

Source_Information:

Source_Citation:

Citation_Information:

Originator: USFS

Publication_Date: unpublished

Title: unpublished data from US Forest Service files in Colville,

Type_of_Source_Media: paper files consisting of text dating to as old as 1967.

Source_Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 1998

Source_Currentness_Reference:

Date information was extracted from U.S. Forest Service files in Colville, Kaniksu, Okanogan, and Wenatchee National Forests for this report.

Source_Citation_Abbreviation: US Forest Service unpublished data

Source_Contribution:

U.S. Forest Service contributed files compiled by various district employees responsible for minerals activity on forest lands in the district and allowed author access to the files for compiling data. These files were the sole source of data in this report.

Process_Step:

Process_Description:

Data were collected from USFS files and allocated to various fields

(categories) in an Excel 97 spreadsheet. Categories of data are given in the description of Table 1 in Open-File Report 99-414 (Boleneus, 1999) at <http://wrgis.wr.usgs.gov/open-file/of99-414/>

Process_Date: January 1998 to December 1998
Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Point
Point_and_Vector_Object_Information:
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: Point
Point_and_Vector_Object_Count: 366 points

Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Geographic:
Latitude_Resolution: 1
Longitude_Resolution: 1
Geographic_Coordinate_Units: Decimal degrees

Entity_and_Attribute_Information:
Overview_Description:
Entity_and_Attribute_Overview:
The data set for "Geologic datasets for weights of evidence analysis in northeast Washington--3. Minerals-related permits on national forests, 1967 to 1998" consists of one Excel 97 workbook, "of99-414.xls", which is displayed as Table 1 in the OFR text.

Definitions of fields in the "of99-414.xls" sheet in the workbook are given below:

Permit number--Plan or notice number (as designated by this report)

Type--Plan or Notice

Forest--Name of forest containing plan or notice

Company--Name of applicant or company conducting the work

Primary commodity--Primary commodity (e.g. Au, Ag, Pb...)

All commodities--All commodities given as object of plan or notice

Latitude--Latitude of point at center of nearest section

Longitude--Longitude of point at center of nearest section

Purpose--Purpose of plan or notice assigned by applicant

Project--Project name assigned by applicant

Start year--First year permit was issued

End year--Last year permit was issued

District--Forest district where permit is located

Local no.--Tracking number used by U.S. Forest Service

Region--U.S. Forest Service region number

State--State

Township--Township number (N) in Washington (Willamette meridian)

Range--Range number (E) in Washington (Willamette meridian)

Assumed section--Section arbitrarily decided as centroid from which the latitude and longitude were calculated using the freeware script, "trs2ll" (M.Wefald, written commun.)

All Sections--Sections within the township-range containing plan or notice

Subdivision--Subdivision of section, when available

Entity_and_Attribute_Detail_Citation:

See Open-File Report 99-414, available on-line at
<http://wrgis.wr.usgs.gov/open-file/of99-414/>

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

Distributor:

Contact_Information:

Contact_Person_Primary:

Contact_Person: David E. 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

Distributor:

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: esnfc@mailmcan1.wr.usgs.gov

Hours_of_Service: 8:00 a.m. - 4:30 p.m., Pacific time zone

Distribution_Liability:

The U.S. Geological Survey (USGS) provides these geographic data "as is." The USGS makes no guarantee or warranty concerning the accuracy of information contained in the geographic data. The USGS further makes no warranties, either expressed or implied as to any other matter whatsoever, including, without limitation, the condition of the product, or its fitness for any particular purpose. The burden for determining fitness for use lies entirely with the user. Although these data have been processed successfully on computers at the USGS, no warranty, expressed or implied, is made by the USGS regarding the use of these data on any other system, nor does the fact of distribution constitute or imply any such warranty.

In no event shall the USGS have any liability whatsoever for payment of any consequential, incidental, indirect, special, or tort damages of any kind, including, but not limited to, any loss of profits arising out of use of or reliance on the geographic data or arising out of the delivery, installation, operation, or support by USGS.

These data are not meant to be displayed at any scale larger than 1:24,000 (e.g., 1:12,000 or 1:2,000),

Metadata_Reference_Information:

Metadata_Date: 19991116

Metadata_Review_Date:

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: U.S. Geological Survey

Contact_Person: David E. Boleneus

Contact_Position: geologist

Contact_Address:

Address_Type: mailing and physical address

Address: 904 West Riverside Avenue, 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

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998