

APPENDIX A
SUMMARY OF MINERAL PROPERTIES OF WHATCOM COUNTY
METALLIC OCCURRENCES

<i>Index nos. on Plate 2</i>	<i>Page</i>	<i>Property</i>	<i>District</i> ^①	<i>Location</i> ^②	<i>Metals (Principal values underlined)</i>
39	118	Alameda	S. C.	NE $\frac{1}{4}$ sec. 26, (38-16E)	<u>Au</u> , Ag
40	100	*Allen Basin	S. C.	NW $\frac{1}{4}$ sec. 34, (38-17E)	<u>Au</u> , Ag
30	78	Alvic	M. B.	NW $\frac{1}{4}$ sec. 21, (40-9E)	<u>Cu</u> , Au
41	101	*Anacortes	S. C.	W. $\frac{1}{4}$ cor. sec. 25, (38-16E)	<u>Au</u> , Ag, Pb
42	102	*Azurite	S. C.	E $\frac{1}{2}$ sec. 30, (37-17E)	<u>Au</u> , Ag, Cu, Zn
43	118	B. C. & M.	S. C.	SE $\frac{1}{4}$ sec. 17, (37-16E)	<u>Au</u> , Ag
44	105	Baltimore	S. C.	E. $\frac{1}{4}$ cor. sec. 28, (38-17E)	<u>Au</u> , Ag, Zn, Pb
45	119	Beck and Short Grub	S. C.	NE $\frac{1}{4}$ sec. 35, (38-17E)	<u>Au</u> , Ag
46	119	Beebe and Swanson	S. C.	NW $\frac{1}{4}$ sec. 20, (37-16E)	<u>Au</u>
47	119	Bird and Sawpit	S. C.	SW. cor. sec. 26, (38-17E)	<u>Au</u> , Ag
48	119	Black Jack	S. C.	SE. cor. sec. 27, (38-17E)	<u>Au</u>
49	79	*Blonden (Goat Mountain)	M. B.	NE $\frac{1}{4}$ sec. 28, (40-9E)	<u>Au</u> , Ag
31	79	Boulder Creek	M. B.	SW $\frac{1}{4}$ sec. 22, (40-6E)	<u>Cu</u> , Ag
50	79	*Boundary Red Mountain	M. B.	W $\frac{1}{2}$ sec. 3, (40-9E)	<u>Au</u> , Ag, Te
3	69	Breckenridge Creek	M. B.	SW $\frac{1}{4}$ sec. 30, (40-5E)	<u>Cr</u>
51	119	Casa Grande	S. C.	SE $\frac{1}{4}$ sec. 34, (38-17E)	<u>Au</u>
133	77	Casselman	M. B.	SW $\frac{1}{4}$ sec. 13, (38-9E)	<u>Mo</u>
113	82	Chain Lakes	M. B.	NW $\frac{1}{4}$ sec. 24, (39-8E)	<u>Zn</u> , Cu
107	74	Church Mountain Iron	M. B.	SE. cor. sec. 26, (40-7E)	<u>Fe</u>
95	123	Combination Placer	S. C.	SW. cor. sec. 35, (38-17E)	<u>Au</u>
32	82	Conway	M. B.	SW $\frac{1}{4}$ sec. 24, (40-8E)	<u>Cu</u> , Au
52	119	Copper Castle (Helms)	S. C.	NW $\frac{1}{4}$ sec. 3, (37-17E)	<u>Au</u>
33	83	Copper King	M. B.	NW $\frac{1}{4}$ sec. 17, (40-5E)	<u>Cu</u> , Au
53	119	Crown Point	S. C.	NW $\frac{1}{4}$ sec. 23, (38-16E)	<u>Au</u> , Ag
135	77	Dead Goat (Sulphide Creek)	M. B.	SE $\frac{1}{4}$ sec. 7, (38-10E)	<u>Mo</u>
114	83	*Evergreen	M. B.	NW $\frac{1}{4}$ sec. 21, (40-9E)	<u>Ag</u> , <u>Pb</u> , <u>Zn</u> , Cu
96	123	*Farrar	S. C.	Sec. 32, (38-17E)	<u>Au</u>
54	84	First Chance	M. B.	SW $\frac{1}{4}$ sec. 31, (40-8E)	<u>Ag</u> , <u>Au</u>
55	119	First Find and Ivanhoe	S. C.	NE $\frac{1}{4}$ sec. 35, (38-17E)	<u>Au</u> , <u>Ag</u> , Pb, Zn, Cu, As
56	84	*Fourth of July	M. B.	N. $\frac{1}{4}$ cor. sec. 5, (38-9E)	<u>Au</u>
5	67, 68	Galbraith	M. B.	Sec. 8, (37-7E)	<u>Cr</u>
115	84	*Gargett	M. B.	N $\frac{1}{2}$ sec. 9, (40-9E)	<u>Au</u> , Ag, <u>Pb</u> , <u>Zn</u> , Cu
34	85	*Glacier (Midas)	M. B.	SW. cor. sec. 4, (39-7E)	<u>Cu</u> , Au
57	106	*Goat	S. C.	SE $\frac{1}{4}$ sec. 4, (37-17E)	<u>Au</u> , Ag, Cu
136	76	Goat Mountain	M. B.	SW. cor. sec. 22, (40-9E)	<u>Ni</u>
58	85	*Gold Basin	M. B.	Sec. 6, (40-9E)	<u>Au</u>
116	106	*Gold Hill	S. C.	E $\frac{1}{2}$ sec. 25, (37-16E)	<u>Pb</u> , <u>Zn</u> , <u>Ag</u> , Cu, An, As
59	120	Gold Ridge	S. C.	Sec. 21, (39-17E) ?	<u>Au</u>
60	108	*Golden Arrow (Tacoma)	S. C.	NE $\frac{1}{4}$ sec. 34, (38-17E)	<u>Au</u> , <u>Ag</u> , Pb, Zn, Cu
61	120	Good Luck	S. C.	NW $\frac{1}{4}$ sec. 26, (38-17E)	<u>Au</u>
167	75, 86	*Great Excelsior	M. B.	Sec. 6, (39-8E)	<u>Ag</u> , Au
62	120	Great Northern	S. C.	SW $\frac{1}{4}$ sec. 3, (37-17E)	<u>Au</u> , <u>Ag</u> , Fe
63	109	*Illinois	S. C.	SE $\frac{1}{4}$ sec. 35, (38-17E)	<u>Ag</u> , <u>Au</u> , Pb, Zn
64	110	Indiana	S. C.	S. $\frac{1}{4}$ cor. sec. 26, (38-17E)	<u>Au</u> , <u>Ag</u> , Pb, Zn, Cu
108	75, 87, 90	Iron Cap	M. B.	NE $\frac{1}{4}$ sec. 29, (39-9E)	<u>Fe</u>
109	75, 120	Jim Mountain	S. C.	SE $\frac{1}{4}$ sec. 9, (38-17E)	<u>Fe</u>
65	120	Keystone	S. C.	NE $\frac{1}{4}$ sec. 34, (38-17E)	<u>Au</u>
97	123	*King Tut	S. C.	Center sec. 3, (37-17E)	<u>Au</u>
6	67, 68	Lambert	M. B.	SW. cor. sec. 24, (37-6E)	<u>Cr</u>
98	123	*Lazy Tar Heel	S. C.	Secs. 10, 11, 12, (37-14E)	<u>Au</u>
66	88	*Lone Jack	M. B.	Secs. 22, 23, (40-9E)	<u>Au</u> , Ag, Te

SUMMARY OF MINERAL PROPERTIES OF WHATCOM COUNTY—Continued

METALLIC OCCURRENCES—Continued

<i>Index nos. on Plate 2</i>	<i>Page</i>	<i>Property</i>	<i>District</i> Ⓢ	<i>Location</i> Ⓢ	<i>Metals (Principal values underlined)</i>
67	89	Lone Star	M. B.	SE¼ sec. 20, (40-9E)	<u>Au</u>
68	111	*Mammoth	S. C.	Sec. 35, (38-17E)	<u>Au</u> , Ag, As
69	89	Many Sisters	M. B.	NE¼ sec. 33, (40-8E)	<u>Au</u> , As
70	120	Mill Creek	S. C.	SW¼ sec. 7, (37-17E)	<u>Au</u>
71	112	*Minnesota	S. C.	SW¼ sec. 2, (37-16E)	<u>Au</u> , Ag
72	120	Murtle	S. C.	NW¼ sec. 35, (38-17E)	<u>Au</u>
73	113	*New Light (Eureka, Bonita, Slate Creek)	S. C.	E½ sec. 27, (38-17E)	<u>Au</u> , Ag, Pb, Zn, Cu, Pt
74	120	Ninety-nine	S. C.	NW¼ sec. 14, (37-17E)	<u>Au</u> , Ag
99	123	Nip and Tuck	S. C.	Sec. 11, (37-14E)	<u>Au</u>
75	89, 90	*Nooksack	M. B.	W. ¼ cor. sec. 36, (40-4E)	<u>Au</u>
76	116	*North American	S. C.	Sec. 11, (37-16E)	<u>Au</u> , Ag, Cu
100	123	*Old Discovery	S. C.	SE¼ sec. 9, (37-16E)	<u>Au</u>
101	123	Park Placer	S. C.	NW¼ sec. 34, (38-17E)	<u>Au</u>
35	90	Peterson-Nelson	M. B.	SE¼ sec. 16, (40-9E)	<u>Cu</u> , <u>Au</u> , Ag
77	90	Pierce (Copper Queen)	M. B.	N½ sec. 10, (40-10E)	<u>Au</u> , Cu
78	90	Quartz Mountain	M. B.	SW¼ sec. 18, (40-9E)	<u>Au</u>
79	121	Randall (Gold Coin)	S. C.	NW¼ sec. 35, (38-17E)	<u>Au</u>
36	91	Red Bird	M. B.	SE. cor. sec. 28, (40-7E)	<u>Cu</u> , Ag, Fe
80	121	Red Jacket	S. C.	SE¼ sec. 16, (38-17E)	<u>Au</u> , <u>Ag</u> , <u>As</u>
81	121	Rockefeller	S. C.	SE¼ sec. 33, (38-17E)	<u>Au</u> , Ag
102	123	*Rose Bud and Snowslide	S. C.	NE¼ sec. 17, (37-16E)	<u>Au</u>
103	123	*Ruby Creek	S. C.	Sec. 3, (37-17E)	<u>Au</u>
82	75, 91	Ruth Mountain Pyrite	M. B.	W½ sec. 8, (39-10E)	Fe, <u>Au</u> , Ag
83	91	Saginaw	M. B.	Sec. 15, (40-9E)	<u>Ag</u> , <u>Au</u> , <u>Cu</u> , <u>Pb</u>
104	123	*Scougale	S. C.	E. ¼ cor. sec. 36, (38-13E)	<u>Au</u>
84	121	Seattle	S. C.	NE¼ sec. 18, (37-17E)	<u>Au</u> , Ag
85	121	Shanghai and Nankin	S. C.	N½ sec. 34, (38-17E)	<u>Au</u> , Ag, Cu
134	76	Silver Creek (Davis)	M. B.	E½ sec. 8, (40-13E)	<u>Mo</u> , <u>Cu</u>
117	93	*Silver Tip	M. B.	W½ sec. 34, (40-9E)	<u>Ag</u> , <u>Pb</u> , <u>Zn</u> , <u>Cu</u> , <u>Au</u>
8	67, 68	Sister Creek	M. B.	Sec. 1, (37-6E)	<u>Cr</u>
86	121	Skookum	S. C.	NE¼ sec. 2, (37-16E)	<u>Au</u> , Ag
87	117	Spafford (Homestake)	S. C.	SE¼ sec. 22, (38-17E)	<u>Au</u> , <u>Ag</u> , Zn
110	74	Sturman and Herringa	**	SE. cor. sec. 8, (40-3E)	<u>Fe</u>
111	71	Sumas Mountain Iron	M. B.	N½ sec. 2, (39-4E)	<u>Fe</u>
88	94	Terra Alta	M. B.	SE¼ sec. 22, (40-9E)	<u>Au</u>
10	67, 68	Thunder Mountain	M. B.	Secs. 3 and 10, (37-6E)	<u>Cr</u>
168	75, 94	Tooker-Lestrud (Little Dutchman)	M. B.	SE¼ sec. 31, (40-8E)	<u>Ag</u> , <u>Fe</u> , <u>Au</u>
89	121	Trapper	S. C.	NE¼ sec. 35, (38-17E)	<u>Au</u>
11	68	Trappers Pride	M. B.	N. ¼ cor. sec. 3, (37-6E)	<u>Cr</u>
90	122	Tripod	S. C.	NW¼ sec. 35, (38-17E)	<u>Au</u> , Ag
118	95	Verona (Galena)	M. B.	Sec. 20, (39-9E)	<u>Ag</u> , <u>Pb</u> , Au
91	122	Walla Walla	S. C.	NE¼ sec. 34, (38-17E)	<u>Au</u> , <u>Ag</u>
12	67, 68	Washington Chrome	M. B.	Secs. 7, 17, 18, and 19, (37-7E), and sec. 13, (37-6E)	<u>Cr</u>
38	75, 95	Wells Creek Gossan	M. B.	Sec. 5, (39-8E)	<u>Cu</u> , Fe
92	118	Whistler	S. C.	SW¼ sec. 10, (37-17E)	<u>Au</u> , <u>Ag</u> , <u>Cu</u>
93	95	White Salmon	M. B.	SE¼ sec. 20, (39-9E)	<u>Au</u>
94	95	White Swan	M. B.	Sec. 3, (39-8E)	<u>Au</u>
105	123	Wild Goose	S. C.	NW¼ sec. 32, (38-17E)	<u>Au</u>
106	123	*Woodrich	S. C.	E. ¼ cor. sec. 9, (37-16E)	<u>Au</u>
137	76	Yellow Aster	M. B.	W½ sec. 17, (40-9E)	<u>Ni</u>

(See footnotes on p. 128.)

SUMMARY OF MINERAL PROPERTIES OF WHATCOM COUNTY—Continued

NONMETALLIC OCCURRENCES

<i>Index nos. on Plate 2</i>	<i>Page</i>	<i>Property</i>	<i>District</i> ®	<i>Location</i> ®	<i>Remarks</i>
ASBESTOS					
1	35	Bowman Mountain	M. B.	NW¼ sec. 29, (38-6E)	Noncommercial deposit
2	35	Twin Sisters Mountain	M. B.	NE¼SW¼ sec. 36, (37-6E)	Noncommercial deposit
CLAY					
15	51	Brennan	**	SW¼ sec. 33, (39-2E)	Glacial clay
16	52	Denny-Renton	M. B.	Center S½ sec. 12, (40-4E)	Fire clay
17	51	Hampton	**	NE¼SE¼ sec. 24, (40-3E)	Glacial clay
18	59	Lookout Mountain	**	W½SE¼ sec. 11, (37-3E)	Impure bentonite
19	57	Sumas Clay mine	M. B.	NE¼ sec. 7, (40-5E)	Fire clay
COAL					
20	17	Bellingham Bay Coal mine	**	SE¼ sec. 13, (38-2E)	Bituminous and subbituminous
21	17, 20	Blue Canyon	**	SE¼ sec. 15, (37-4E)	Do.
22	17, 21	Geneva	**	NE¼SW¼ sec. 34, (38-3E)	Do.
23	20	Glacier	M. B.	SE¼SE¼ sec. 19, (39-7E)	Anthracite
24	17, 21	Glen Echo	**	NW. cor. sec. 9, (38-4E)	Bituminous and subbituminous
25	21	Goshen	**	SW¼ sec. 19, (39-4E)	Do.
26	21	Manley's Camp	**	SE¼ sec. 12, (37-3E)	Do.
27	17, 21	Rocky Ridge	**	SW¼ sec. 31, (38-4E)	Do.
28	21	Van Zandt	M. B.	Sec. 17, (38-5E)	Do.
29	21	Whatcom Creek	**	SW¼NE¼ sec. 28, (38-3E)	Do.
HOT SPRING					
...	61	Baker Hot Spring	M. B.	NW¼SW¼ sec. 8, (38-9E)	
LIMESTONE					
119	39	Balfour	M. B.	NE¼ sec. 28, (40-5E)	
120	45	Black Mountain	M. B.	Sec. 4, (40-6E)	
121	46	Blue Lake	M. B.	SW¼ sec. 32, (37-8E)	
122	40	Boulder Creek	M. B.	NW¼ sec. 22, (40-6E)	
123	46	Church Mountain tufa	M. B.	Center sec. 33, (40-7E)	
124	41	Doaks Creek	M. B.	Center sec. 19, (40-6E)	
125	45	Dock Butte	M. B.	Secs. 33 and 34, (37-8E)	
126	45	Gonnason	M. B.	SE¼SE¼ sec. 3, (37-7E)	
127	45, 46	Hilltop	M. B.	NW¼ sec. 9, (40-5E)	
128	41	Kendall	M. B.	Center sec. 14, (40-5E)	
129	46	Lime Creek tufa	S. C.	NW¼ sec. 32, (38-17E)	
130	44	Red Mountain	M. B.	NW¼ sec. 13, (40-5E)	
131	43	Silver Lake	M. B.	SW. cor. sec. 7, (40-6E)	
...	46	Silver Lake tufa	M. B.	NW¼SW¼ sec. 7, (40-6E)	
132	44, 45	Sumas Mountain	M. B.	Sec. 21, (40-5E)	
OLIVINE					
138	39	Olivine Corp.	M. B.	NE¼ sec. 34, (38-6E)	

(See footnotes on p. 128.)

SUMMARY OF MINERAL PROPERTIES OF WHATCOM COUNTY—Continued

NONMETALLIC OCCURRENCES—Continued

<i>Index nos. on Plate 2</i>	<i>Page</i>	<i>Property</i>	<i>District</i> ^①	<i>Location</i> ^②	<i>Remarks</i>
PEAT					
139	31	Barnhart Road	**	Sec. 3, (40-2E)	
140	31	Blaine	**	Sec. 35, (41-1E)	
141	31	Boundary-Meridian	**	Secs. 35 and 36, (41-2E)	
142	31	Carlson	**	Sec. 26, (38-5E)	
143	31	Custer	**	Secs. 27 to 34, (40-2E)	
144	31	Fazon Lake	**	Sec. 13, (39-3E)	
145	31	Lake Terrell	**	Sec. 22, (39-1E)	
146	31	Monument 9	**	Sec. 34, (41-1E)	
147	31, 32	Mosquito Lake	M. B.	Secs. 13 and 14, (38-5E)	
148	31	Mountain View	**	Secs. 22 and 27, (39-1E)	
149	31	Northwood	**	Secs. 3 to 9, (40-3E)	
150	31, 32	Pangborn Lake	**	Secs. 1 and 2, (40-3E)	
151	31	Sweet Road	**	Sec. 9, (40-2E)	
152	31, 32	Wiser Lake	**	General area of Wiser Lake. (39-3E)	
QUARTZ					
153	35	Canyon Creek	M. B.	SW $\frac{1}{4}$ sec. 17, (40-7E)	Chert
154	35	Columbia Cement Co. silica	M. B.	NW $\frac{1}{4}$ sec. 17, (40-5E)	Massive white quartz
155	...	Devils Creek	S. C.	Sec. 31, (39-14E)	Massive white quartz
156	35	Reed Lake	**	W. $\frac{1}{4}$ cor. sec. 29, (37-4E)	Quartz pebble conglomerate
157	35	Samish Lake	**	NW $\frac{1}{4}$ sec. 26, (37-3E)	Quartz pebble conglomerate
158	35	Sumas Mountain	M. B.	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 21, (40-5E)	Chert
STONE					
170	...	Central	**	S. $\frac{1}{4}$ cor. sec. 11, (39-3E)	Sandstone
171	...	Chuckanut	**	Secs. 13 and 24, (37-2E)	Sandstone
172	...	Deming	M. B.	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 31, (39-5E)	Sandstone
173	...	Lawrence	M. B.	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26, (39-4E)	Sandstone
174	...	Secret Harbor	**	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, (37-1E)	Sandstone
175	...	Welcome	M. B.	E. $\frac{1}{4}$ cor. sec. 28, (39-5E)	Sandstone
176	...	Wells Creek	M. B.	NW $\frac{1}{4}$ sec. 5, (39-8E)	Andesite

①S. C. = in Slate Creek mining district;

M. B. = in Mount Baker mining district;

** = outside of organized mining district.

②General location of property: sec. 21, (30-38E) means section 21, Township 30 North, Range 38 East.

*Has record of production.

APPENDIX B
PATENTED MINING CLAIMS OF WHATCOM COUNTY

<i>Name of claim</i>	<i>Page no.</i>	<i>Patent no.</i>	<i>Survey no.</i>	<i>Mining district</i> ®	<i>General location</i> ®	<i>Remarks</i>
Alpharetta	280199	1004	S.C.	SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 35, (38-17E)	
Anoka, Anoka No. 2, Anoka No. 4.	117	478720	1071	S.C.	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 10, and S $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 11, (37-16E)	Part of North American Group
Aunt	100	54339	807	S.C.	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 34, (38-17E)	Part of Allen Basin Group
Beck	119	45890	812	S.C.	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 35, (38-17E)	
Bird	119	38437	603	S.C.	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 34, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 35, (38-17E)	
Black Dwarf	100	54339	807	S.C.	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 27, (38-17E)	Part of Allen Basin Group
Blizzard	117	478720	1071	S.C.	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 11, (37-16E)	Part of North American Group
Blue Hen	100	54339	807	S.C.	Center sec. 34, (38-17E)	Part of Allen Basin Group
Captain Jack	100	54339	807	S.C.	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 33, (38-17E)	Part of Allen Basin Group
Chancellor Mill Site.	110, 119	45897	830	S.C.	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 30, (38-17E)	Part of Chancellor Group
Climax, Climax Extension No. 1.	63, 79	39545	699	M.B.	W $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 3, (40-9E)	Part of Boundary Red Mountain Group
Columbia	117	478720	1071	S.C.	S. $\frac{1}{4}$ cor. sec. 11, (37-16E)	Part of North American Group
Combination Placer.	100, 123	34196	526	S.C.	SE. cor. sec. 34, (38-17E)	Part of Allen Basin Group
Equinox	100	54339	807	S.C.	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 27, (38-17E)	Part of Allen Basin Group
Falling Water	90	39271	687	M.B.	S $\frac{1}{2}$ SW $\frac{1}{4}$ sec. 32, (40-8E)	Part of Power House Group
First Find	119	45892	814	S.C.	E $\frac{1}{2}$ NE $\frac{1}{4}$ sec. 35, (38-17E)	
Fourth of July No. 1.	63, 84	881146	1151	M.B.	Near S. $\frac{1}{4}$ cor. sec. 32, (39-9E)	
Glacier	63, 79	39545	699	M.B.	W $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 3, (40-9E)	Part of Boundary Red Mountain Group
Gold Bug	121	45378	663	S.C.	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 35, (38-17E)	Part of Randall Group
Gold Leaf	111	41246	651	S.C.	Center sec. 35, (38-17E)	Part of Mammoth Group
Good Enough Fraction.	121	45378	663	S.C.	N $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 35, (38-17E)	Part of Randall Group
Grandview	110, 111	319703	1017	S.C.	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 26, (38-17E)	Part of Chancellor Group

PATENTED MINING CLAIMS OF WHATCOM COUNTY—Continued

<i>Name of claim</i>	<i>Page no.</i>	<i>Patent no.</i>	<i>Survey no.</i>	<i>Mining district</i> ^①	<i>General location</i> ^②	<i>Remarks</i>
Harnessmaker	100	54339	807	S.C.	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 33, (38-17E)	Part of Allen Basin Group
Hecla	111	41246	651	S.C.	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 35, (38-17E)	Part of Mammoth Group
Homestake	118	424728	977A	S.C.	E $\frac{1}{2}$ SW $\frac{1}{4}$ sec. 10, (37-17E)	Part of Whistler Group
IXL	100	54339	807	S.C.	NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 34, (38-17E)	Part of Allen Basin Group
Illinois	109, 110	272837	1018	S.C.	E $\frac{1}{2}$ SE $\frac{1}{4}$ sec. 35, (38-17E)	Part of Chancellor Group
Indiana	110	272874	1001	S.C.	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 35, (38-17E)	Part of Chancellor Group
Iron Cap	90	39271	687	M.B.	SE $\frac{1}{4}$ sec. 31, (40-8E)	Part of Power House Group
Iron Cap	117	478720	1071	S.C.	Center sec. 11, (37-16E)	Part of North American Group
Iron Cross	111	41246	651	S.C.	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 35, (38-17E)	Part of Mammoth Group
Ivanhoe	119	45892	814	S.C.	W $\frac{1}{2}$ NE $\frac{1}{4}$ sec. 35, (38-17E)	
Jennie	88	37602	534	M.B.	Sec. 22, (40-9E)	Part of Lone Jack Group
Jessie	118	424728	977A	S.C.	N $\frac{1}{2}$ SW $\frac{1}{4}$ sec. 10, (37-17E)	Part of Whistler Group
Jumbo	88	41067	744	M.B.	SW $\frac{1}{4}$ sec. 23, (40-9E)	Part of Lone Jack Group
Keynote	111	41246	651	S.C.	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 35, (38-17E)	Part of Mammoth Group
Klondyke	63, 79	39545	699	M.B.	W $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 3, (40-9E)	Part of Boundary Red Mountain Group
Lena	118	424728	977A	S.C.	NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 10, (37-17E)	Part of Whistler Group
Lone Jack	63, 88	37602	534	M.B.	Sec. 22, (40-9E)	Part of Lone Jack Group
Lulu	88	37602	534	M.B.	Sec. 22, (40-9E)	Part of Lone Jack Group
Maccabee	100	54339	807	S.C.	E $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 34, (38-17E)	Part of Allen Basin Group
Mammoth	111	41246	651	S.C.	SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 35, (38-17E)	Part of Mammoth Group
Minnehaha	90	39271	687	M.B.	SE $\frac{1}{4}$ sec. 31, (40-8E)	Part of Power House Group
Mt. Vernon	88	41067	744	M.B.	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 22, (40-9E)	Part of Lone Jack Group

(See footnotes on p. 131.)

PATENTED MINING CLAIMS OF WHATCOM COUNTY—Continued

Name of claim	Page no.	Patent no.	Survey no.	Mining district ^①	General location ^②	Remarks
Mountain Boy	79	39545	699	M.B.	W½NW¼ sec. 3, (40-9E)	Part of Boundary Red Mountain Group
Murtle	120	45891	813	S.C.	Center NW¼ sec. 35, (38-17E)	
Nankin	121	272875	1003	S.C.	SE¼ sec. 34, (38-17E)	
Nephew	100	54339	807	S.C.	NE¼NE¼ sec. 33, (38-17E)	Part of Allen Basin Group
Nooksack	90	39271	687	M.B.	SW. cor. sec. 32, (40-8E)	Part of Power House Group
Northern Light	91	374303	1065	M.B.	E½NW¼ sec. 15, (40-9E)	Part of Saginaw Group
Park Placer	123	26442	338	S.C.	S½NW¼ sec. 34, (38-17E)	
Queen City	100	54339	807	S.C.	NW¼NE¼ sec. 34, (38-17E)	Part of Allen Basin Group
Randall	121	45378	663	S.C.	N½NW¼ sec. 35, (38-17E)	
Rocky Draw	63, 79	39545	699	M.B.	W½NW¼ sec. 3, (40-9E)	Part of Boundary Red Mountain Group
Saginaw, Saginaw No. 2.	63, 91	374303	1065	M.B.	E½NW¼ sec. 15, (40-9E)	Part of Saginaw Group
Sawpit	119	38437	603	S.C.	SW. cor. sec. 26, (38-17E)	
Shanghai	121	272876	1002	S.C.	E½NW¼ sec. 34, (38-17E)	
Short Grub	119	45890	812	S.C.	NW¼NE¼ sec. 35, (38-17E)	
Sidney	88	37602	534	M.B.	Sec. 22, (40-9E)	Part of Lone Jack Group
Sister Grace	100	54339	807	S.C.	SE¼NE¼ sec. 33, (38-17E)	Part of Allen Basin Group
Solitaire	100	54339	807	S.C.	NE¼NW¼ sec. 34, (38-17E)	Part of Allen Basin Group
Titabawasse	91	374303	1065	M.B.	E½NW¼ sec. 15, (40-9E)	Part of Saginaw Group
Tommy Atkins	83	434110	1072	M.B.	N½NW¼ sec. 17, (40-5E)	
Trapper	121	45355	815	S.C.	SE¼NE¼ sec. 35, (38-17E)	
Tripod	122	37205	738	S.C.	NE¼NE¼ sec. 34, (38-17E)	
Tuesday	83	434110	1072	M.B.	N½NW¼ sec. 17, (40-5E)	
Uncle	100	54339	807	S.C.	Center NW¼ sec. 34, (38-17E)	Part of Allen Basin Group
Walla Walla	100, 122	54339	807	S.C.	NE¼NE¼ sec. 34, (38-17E)	Part of Allen Basin Group
Wells Creek	90	39271	687	M.B.	NW¼NW¼ sec. 5, (39-8E)	Part of Power House Group
Whist	88	37602	534	M.B.	Sec. 22, (40-9E)	Part of Lone Jack Group
Whistler	118	424728	977A	S.C.	NE¼SW¼ sec. 10, (37-17E)	Part of Whistler Group

^①S. C. = Slate Creek; M. B. = Mount Baker.

^②General location of property: sec. 21, (38-38E) means section 21, Township 38 North, Range 38 East.

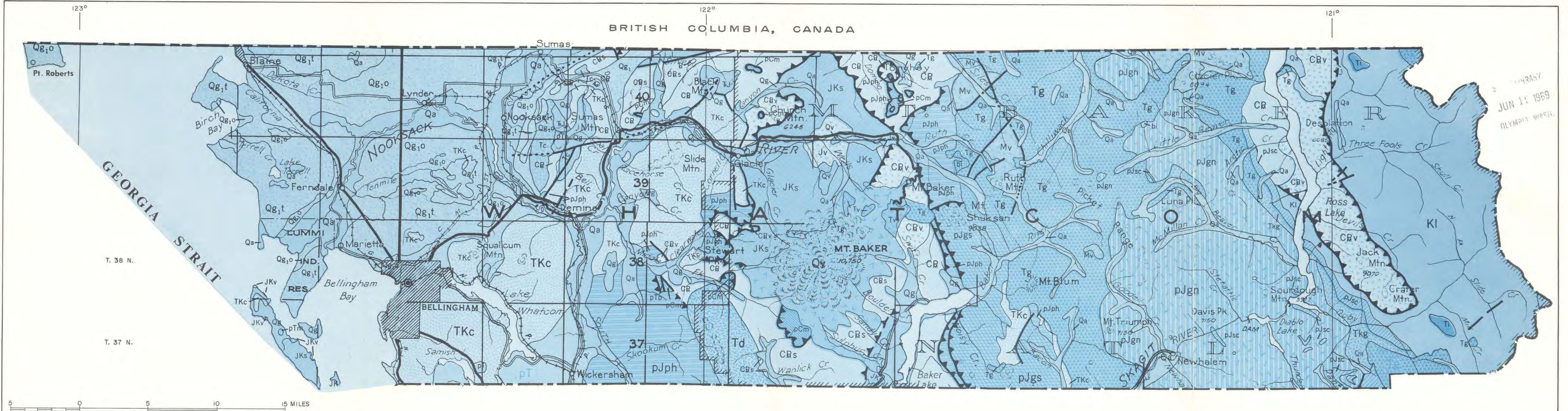
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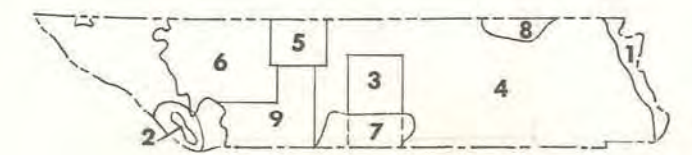
JUN 1 1969
OLYMPIA WASH.

Reproduced from Geologic Map of Washington - 1961

EXPLANATION

MAP SYMBOLS

- Contact
Known, approximate, and inferred are undifferentiated.
- Fault
Character not designated; dashed where approximately located.
- Concealed fault
- Thrust fault
Saw-teeth on upper plate.



Sources of Data for Geologic Map

1. Barksdale, J. D.
2. Calkins, P. E.
3. Coombs, H. A.
4. Misch, Peter
5. Moen, W. S.
6. Newcomb, R. C.
7. Ragan, D. M.
8. Schideler, J. H., Jr.
9. Washington Division of Mines and Geology



County Index

GEOLOGIC MAP
OF
WHATCOM COUNTY,
WASHINGTON

SEDIMENTARY AND EXTRUSIVE IGNEOUS ROCKS

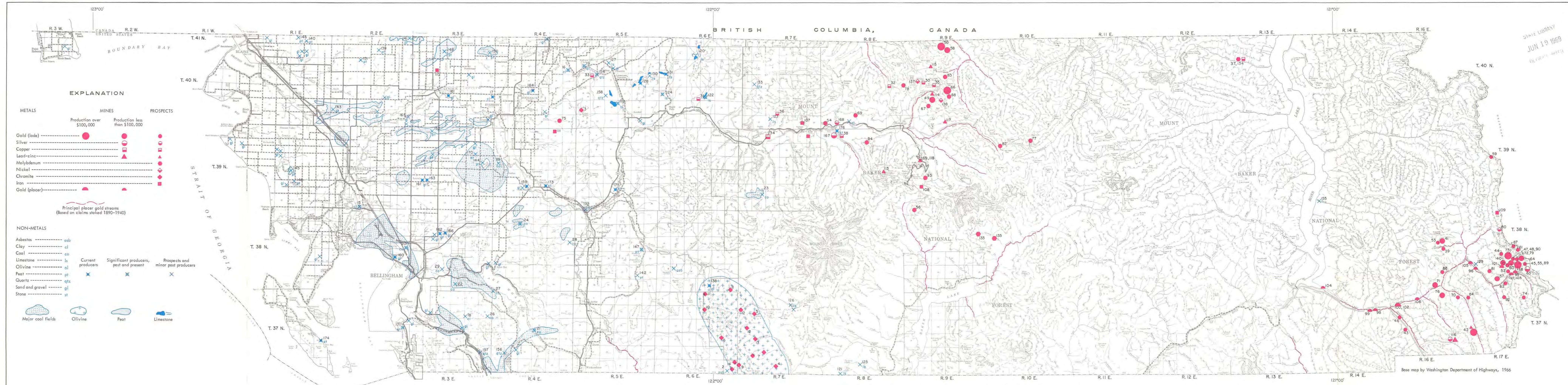
<p>QUATERNARY</p>	<p>Qa Alluvium Mostly unconsolidated silt, sand, and gravel valley fill with some clay; includes low-level terraces, marsh, peat, artificial fill, and glacial deposits locally.</p>	<p>Qs Landslide and mudflow deposits Predominantly landslide debris.</p>	<p>TERTIARY</p>
<p>QUATERNARY</p>	<p>Qg, t Qg, t Qg, o Younger glacial drift Qg—Younger glacial drift, undivided. Till, outwash, and associated deposits; sorted and unsorted sand, gravel, silt, and clay. Includes some alluvium. Qg, t—Till. Hard, blue-gray to gray concrete-like mixture of clay, silt, sand, and gravel deposited as end or recessional moraine. Principally Wisconsin in age. Qg, o—Advance and recessional outwash, stratified drift, and associated deposits. Primarily silt, sand, and gravel with some clay.</p>	<p>Qg Glacial drift, undivided Glacial and glacioluvial sand, gravel, and till; includes alpine glacier outwash and till as well as some Recent alluvium.</p>	<p>TERTIARY</p>
<p>CRETACEOUS</p>	<p>Qv Pleistocene-Recent volcanic rocks Includes andesite flows and pyroclastic rocks of Mount Baker.</p>	<p>Tc Tertiary nonmarine rocks, undivided Sandstone, shale, conglomerate, agglomerate, and tuff; includes some lava flows. Massive conglomerate, sandstone, siltstone, and ferruginous shale in northwestern Whatcom County.</p>	<p>JURASSIC</p>
<p>CRETACEOUS</p>	<p>TKc Paleocene-Cretaceous nonmarine rocks Brown-gray to light-gray, medium-to coarse-grained massive cross-bedded arkose with interbedded conglomerate and siltstone. Contains several coal seams in Whatcom County.</p>	<p>J Lower and Middle Jurassic marine rocks Dark-gray, massive to thick-bedded, siliceous argillite, siltstone, and shale; includes minor graywacke and limestone. Confined to northwestern Whatcom County.</p>	<p>JURASSIC</p>
<p>CRETACEOUS</p>	<p>pT Pre-Tertiary sedimentary and metasedimentary rocks, undivided Graywacke, argillite, phyllite, chert, talc, and graphite schist; some faulted-in blocks of serpentinite and greenstone.</p>	<p>TJ Upper Triassic and/or Lower Jurassic marine rocks Conglomerate, gristone, graywacke, and carbonaceous argillite of northwestern Whatcom County.</p>	<p>TRIASSIC</p>
<p>CRETACEOUS</p>	<p>KI Cretaceous sedimentary rocks, mostly marine KI—Lower Cretaceous greenish-gray massive arkosic sandstone and light-gray sandy shale in eastern Whatcom County.</p>	<p>B Permian rocks Permian limestone on Black Mountain in northwestern Whatcom County.</p>	<p>PERMIAN</p>
<p>TERTIARY</p>	<p>JK JKs Upper Jurassic-Lower Cretaceous sedimentary and volcanic rocks JKs—Predominantly sedimentary rocks. Graywacke, argillite, and siltstone with some slate and phyllite; includes graywacke breccia and ribbon chert with minor local limestone lenses and basalt flows.</p>	<p>CB CBs Carboniferous-Permian sedimentary and volcanic rocks CB—Sedimentary and volcanic rocks; undivided. Chert and slaty argillite, siltstone, graywacke, chert, greenstone, tuff, andesite, and spilitic volcanics. CBs—Predominantly sedimentary rocks. Graywacke, argillite, and slate; includes minor marble, siltstone, arkose, conglomerate, ribbon cherts, and volcanic rocks.</p>	<p>CARBONIFEROUS</p>
<p>TERTIARY</p>	<p>Jv Middle Jurassic volcanic rocks Andesite, dacite, and minor basalt with slate and graywacke interbeds in the Nooksack River region of Whatcom County.</p>	<p>CB CBs Carboniferous-Permian sedimentary and volcanic rocks CB—Sedimentary and volcanic rocks; undivided. Chert and slaty argillite, siltstone, graywacke, chert, greenstone, tuff, andesite, and spilitic volcanics. CBs—Predominantly sedimentary rocks. Graywacke, argillite, and slate; includes minor marble, siltstone, arkose, conglomerate, ribbon cherts, and volcanic rocks.</p>	<p>CARBONIFEROUS</p>

METAMORPHIC AND INTRUSIVE IGNEOUS ROCKS

<p>TERTIARY</p>	<p>Tg Tertiary granitic rocks Granite, quartz monzonite, quartz diorite, granodiorite, and trondhjemite.</p>	<p>Tdi Tertiary diorite intrusive rocks An intimate mixture of saxonite and diorite, partly serpenitized; Twin Sisters mountain area of Whatcom and Skagit Counties.</p>	<p>Ti Tertiary dikes, sills, and small intrusive bodies Dikes are commonly diabase; plugs and sills are generally andesite porphyry and dacite.</p>	<p>TERTIARY</p>
<p>CRETACEOUS</p>	<p>TJg Tertiary-Cretaceous granitic intrusive rocks Granite, granodiorite, trondhjemite, and quartz diorite. Late Cretaceous and/or early Tertiary.</p>	<p>pTb Pre-Tertiary ultrabasic intrusive rocks Peridotite and pyroxenite, generally altered partly or completely to serpentinite. Includes serpentinite and saxonite on Sumas Mountain, Whatcom County.</p>	<p>pB Basic intrusive rocks, undivided Predominantly gabbro; includes some serpentinite. Age undetermined.</p>	<p>CRETACEOUS</p>
<p>PRE-UPPER JURASSIC</p>	<p>pJg Pre-Upper Jurassic metamorphic rocks of the low-grade zone Greenish, phyllite, and slate; includes some limestone, quartzous phyllite, schistose metagranite, breccia, and basic igneous rocks. Includes schist locally. Greenish of central Whatcom and Skagit Counties, etc.</p>	<p>pJm Pre-Upper Jurassic metamorphic rocks of the medium and high-grade zones Schist, amphibolite, and minor lime-siltstone rocks, marble, quartzite, and metagranite.</p>	<p>pJg Pre-Upper Jurassic gneiss Biotite, quartz diorite, trondhjemite, and hornblende gneisses, many of which are migmatitic; includes small granitic bodies locally.</p>	<p>PRE-UPPER JURASSIC</p>
<p>PRE-CARBONIFEROUS</p>	<p>pCm Pre-Carboniferous crystalline complex Metahornblende, amphibolite, gneiss, meta-diorite, meta-quartz diorite, and trondhjemite.</p>			<p>PRE-CARBONIFEROUS</p>

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EXPLANATION

METALS

Production over \$100,000: Gold (lode) (red circle), Silver (red circle), Copper (red circle), Lead-zinc (red circle), Molybdenum (red circle), Nickel (red circle), Chromite (red circle), Iron (red circle), Gold (placer) (red circle).

Production less than \$100,000: Gold (lode) (red circle), Silver (red circle), Copper (red circle), Lead-zinc (red circle), Molybdenum (red circle), Nickel (red circle), Chromite (red circle), Iron (red circle), Gold (placer) (red circle).

Prospects: Gold (lode) (red circle), Silver (red circle), Copper (red circle), Lead-zinc (red circle), Molybdenum (red circle), Nickel (red circle), Chromite (red circle), Iron (red circle), Gold (placer) (red circle).

Principal placer gold streams (Based on claims staked 1890-1940): (red line)

NON-METALS

Asbestos (dotted pattern), Clay (horizontal lines), Coal (vertical lines), Limestone (diagonal lines), Olivine (diagonal lines), Peat (horizontal lines), Quartz (diagonal lines), Sand and gravel (diagonal lines), Stone (diagonal lines).

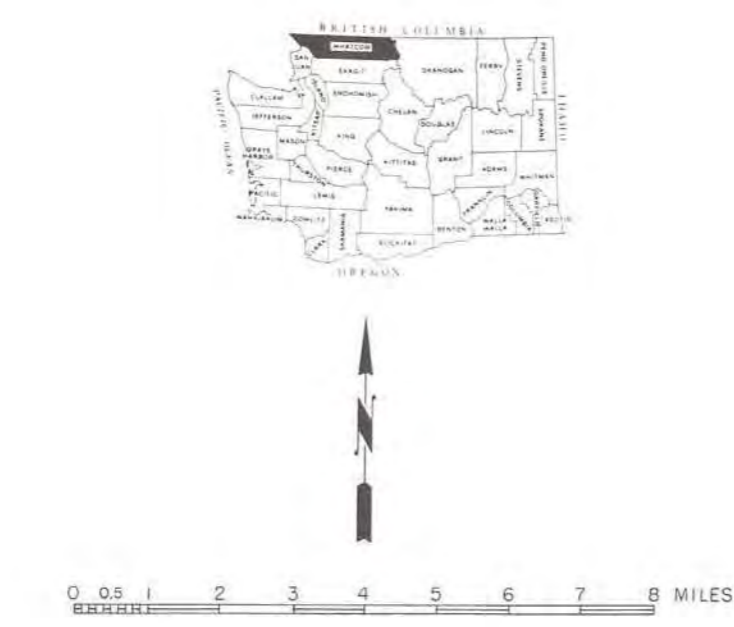
Current producers (blue 'x'), Significant producers, past and present (blue 'x'), Prospects and minor past producers (blue 'x').

Major coal fields (blue oval), Olivine (blue oval), Peat (blue oval), Limestone (blue oval).

MINES AND MINERAL RESOURCES
OF
WHATCOM COUNTY, WASHINGTON

By
Wayne S. Moen

1967

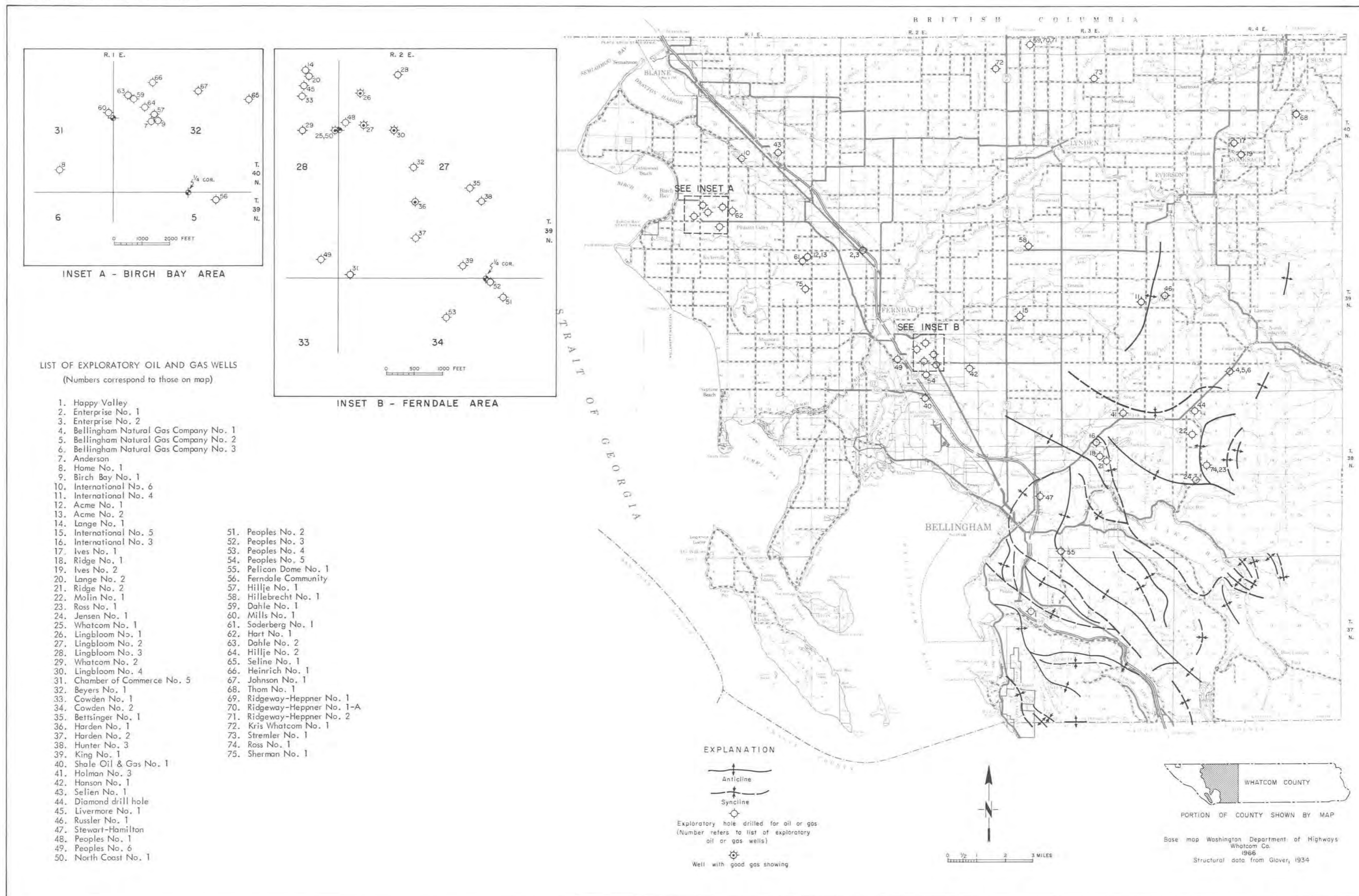


LIST OF MINES AND PROSPECTS SHOWN ON MAP

Map no.	Name	Location T. R.	Map no.	Name	Location T. R.	Map no.	Name	Location T. R.	Map no.	Name	Location T. R.	Map no.	Name	Location T. R.	Map no.	Name	Location T. R.	Map no.	Name	Location T. R.	Map no.	Name	Location T. R.	Map no.	Name	Location T. R.	Map no.	Name	Location T. R.	Map no.	Name	Location T. R.																																																																																																																															
ASBESTOS																																																																																																																																																															
1.	Bowman Mtn.	38-4E	COAL																																																																																																																																																												
2.	Twin Sisters Mtn.	37-6E	20.	Bellingham Bay	38-2E	40.	Allen Basin	38-17E	66.	Lone Jack	40-9E	92.	Whistler	37-16E	LEAD-ZINC																																																																																																																																																
CHROMITE																																21.	Blue Canyon	37-4E	41.	Anacortes	38-16E	67.	Lone Star	40-9E	93.	White Salmon	39-9E	MOLYBDENUM																																																																																																																			
COPPER																																22.	Gemova	38-3E	42.	Azurite	37-17E	68.	Mammoth	38-17E	94.	White Swan	39-8E	112.	Azurite	37-17E	NICKEL																																																																																																																
CLAY																																23.	Glacier	39-7E	43.	B. C. & M.	37-16E	69.	Many Sisters	40-8E	95.	Combination	38-17E	113.	Castelman	38-9E	OLIVINE																																																																																																																
COAL																																24.	Glen Echo	38-4E	44.	Baltimore	38-17E	70.	Will Creek	37-16E	96.	Farrar	38-17E	114.	Silver Creek (David)	40-13E	PEAT																																																																																																																
COAL																																25.	Goshen	39-4E	45.	Beck and Short Grub	38-17E	71.	Minnesota	37-16E	97.	King Tut	37-17E	115.	Evergreen	40-9E	QUARTZ																																																																																																																
COAL																																26.	Manley's Camp	37-3E	46.	Beeba and Swanson	37-16E	72.	Murrie	38-17E	98.	Lazy Far Heel	37-14E	116.	Gargett	40-9E	SAND AND GRAVEL																																																																																																																
COAL																																27.	Rocky Ridge	38-4E	47.	Bird and Saw Pit	38-17E	73.	New Light (Eureka)	38-17E	99.	Nip and Tuck	37-14E	117.	Gold Hill	37-16E	STONE																																																																																																																
COAL																																28.	Van Zandt	38-5E	48.	Black Jack	38-17E	74.	Ninety-nine	37-17E	100.	Old Discovery	37-16E	118.	Verona	39-9E	ASBESTOS																																																																																																																
COAL																																29.	Whatcom Creek	38-3E	49.	Blonden	40-9E	75.	North American	37-16E	101.	Park	37-16E	COAL																																																																																																																			
COAL																																30.	Alvic	40-9E	50.	Boundary Red Mtn.	40-9E	76.	Pierce	40-10E	102.	Rose Bud and Snowslide	37-16E	COAL																																																																																																																			
COAL																																31.	Boulder Creek	40-6E	51.	Casa Grande	38-17E	77.	Quartz Mtn.	40-9E	103.	Ruby Creek	37-17E	COAL																																																																																																																			
COAL																																32.	Conway	40-9E	52.	Copper Castle	37-17E	78.	Randall (Gold Coin)	38-17E	104.	Scougale	38-14E	COAL																																																																																																																			
COAL																																33.	Copper King	40-5E	53.	Crown Point	38-16E	79.	Red Jack	38-17E	105.	Wild Goose	38-17E	COAL																																																																																																																			
COAL																																34.	Glacier	39-7E	54.	First Chance	40-8E	80.	Red Jacket	38-17E	COAL																																																																																																																						
COAL																																35.	Peterson - Nelson	40-9E	55.	First of July	39-9E	81.	Rockefeller	38-17E	COAL																																																																																																																						
COAL																																36.	Red Bird	40-9E	56.	Fourth of July	39-9E	82.	Ruth Mtn. Pyrite	39-10E	COAL																																																																																																																						
COAL																																37.	Silver Creek (Davis)	40-13E	57.	Goon	37-17E	83.	Saginaw	40-9E	COAL																																																																																																																						
COAL																																38.	Wells Creek Gossan	39-8E	58.	Gold Basin	40-9E	84.	Seattle	37-17E	COAL																																																																																																																						
COAL																																GOLD (LODE)																																																																																																																															
15.	Brennan	39-2E	39.	Alameda	38-16E	59.	Gold Ridge	39-17E	85.	Shanghai and Nankin	38-17E	COAL																																																																																																																																																			
16.	Denny - Renton	40-4E	GOLD (LODE)																																86.	Skokum	37-16E	COAL																																																																																																																									
17.	Hampton	40-3E	GOLD (LODE)																																87.	Spofford (Homestake)	38-17E	COAL																																																																																																																									
18.	Lookout Mtn.	37-5E	GOLD (LODE)																																88.	Terra Alta	40-9E	COAL																																																																																																																									
19.	Sumas	40-5E	GOLD (LODE)																																89.	Trapper	38-17E	COAL																																																																																																																									
GOLD (LODE)																																65.	Keystone	38-17E	90.	Tripod	38-17E	COAL																																																																																																																									
GOLD (LODE)																																GOLD (LODE)																																91.	Walla Walla	38-17E	COAL																																																																																												
GOLD (LODE)																																GOLD (LODE)																																LEAD-ZINC												MOLYBDENUM												NICKEL												OLIVINE												PEAT												QUARTZ												SAND AND GRAVEL												STONE											

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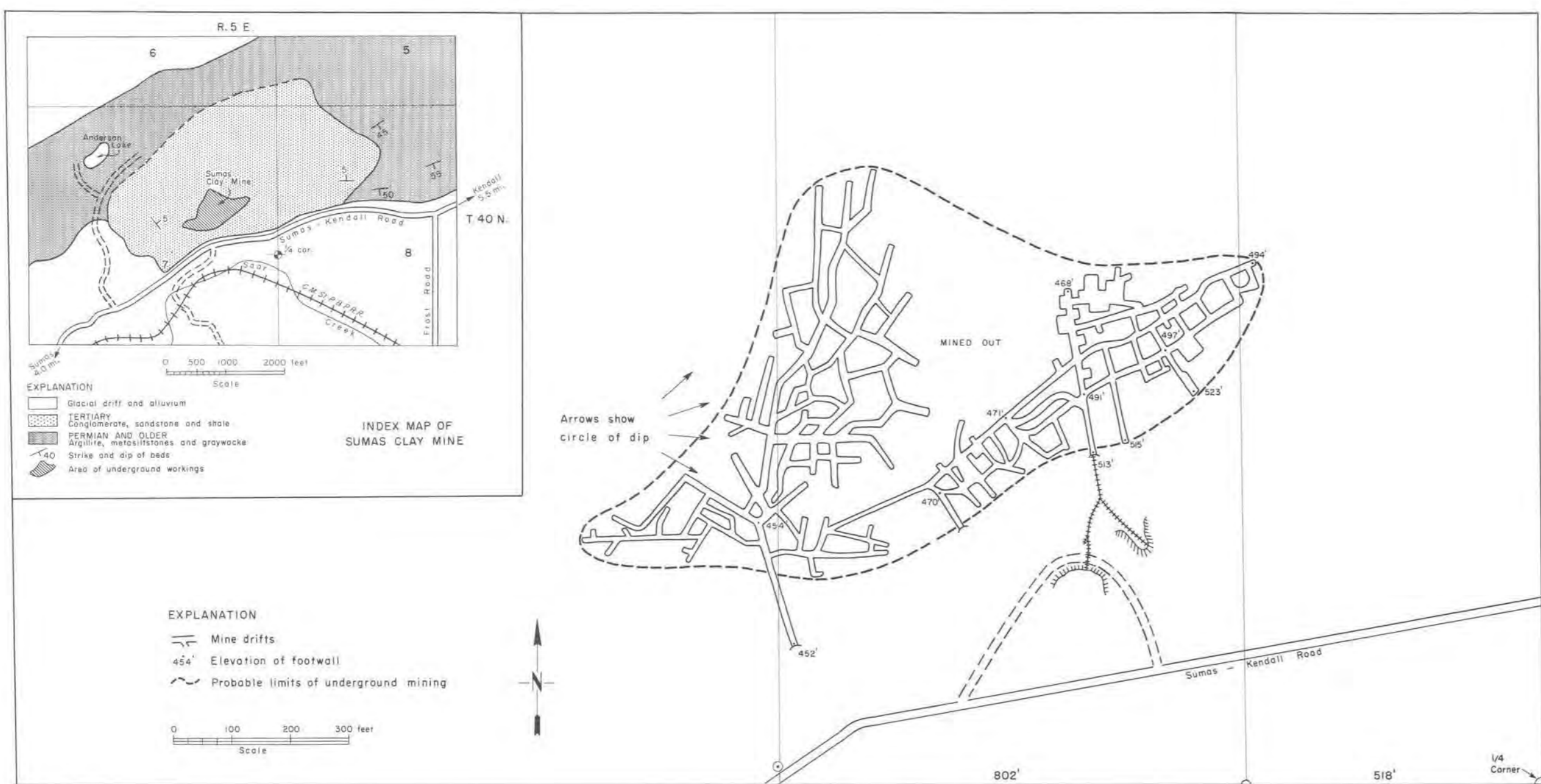
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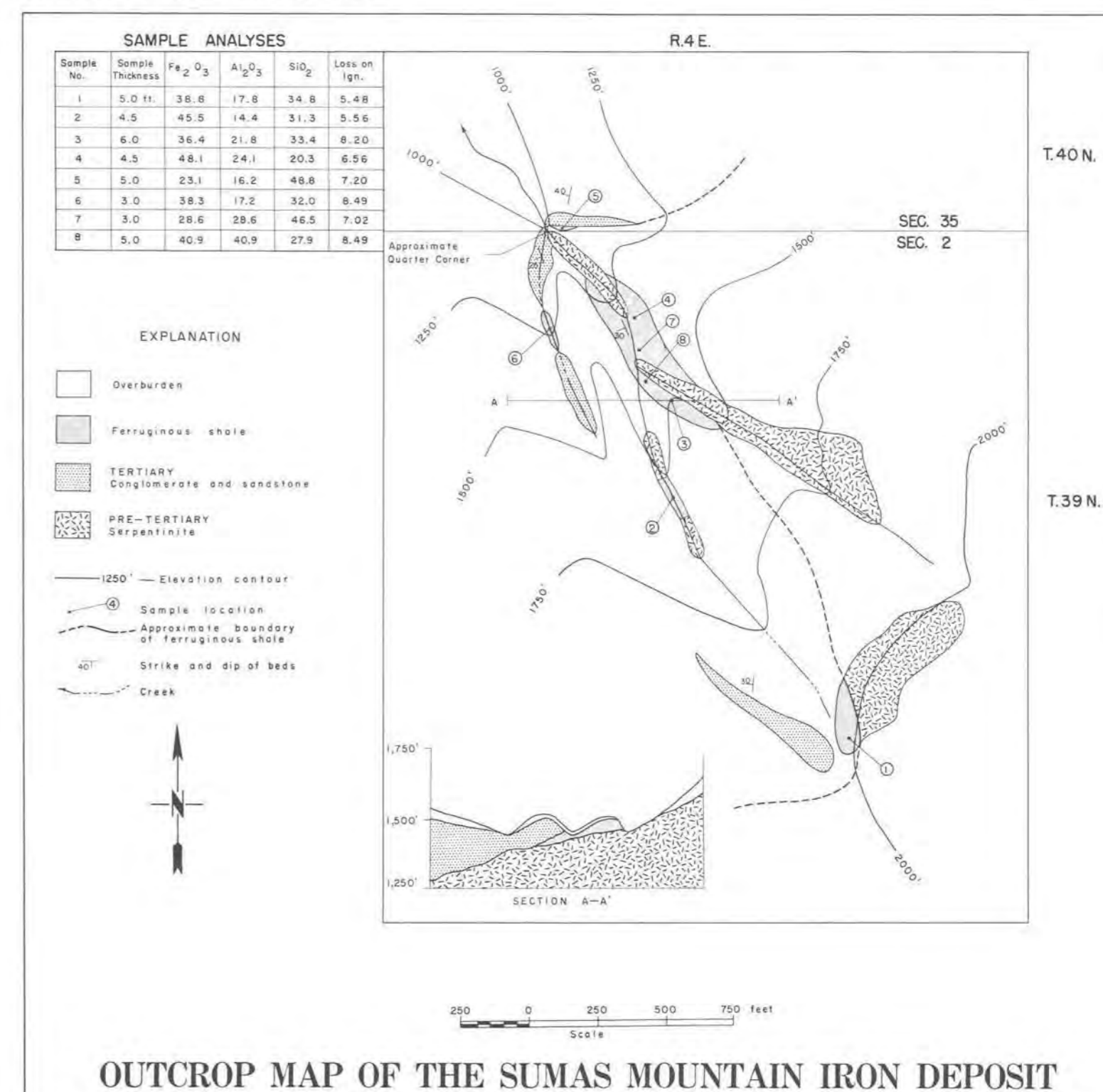
LIST OF EXPLORATORY OIL AND GAS WELLS
(Numbers correspond to those on map)

- | | |
|---|------------------------------|
| 1. Happy Valley | 51. Peoples No. 2 |
| 2. Enterprise No. 1 | 52. Peoples No. 3 |
| 3. Enterprise No. 2 | 53. Peoples No. 4 |
| 4. Bellingham Natural Gas Company No. 1 | 54. Peoples No. 5 |
| 5. Bellingham Natural Gas Company No. 2 | 55. Pelican Dame No. 1 |
| 6. Bellingham Natural Gas Company No. 3 | 56. Ferndale Community |
| 7. Anderson | 57. Hillje No. 1 |
| 8. Home No. 1 | 58. Hillebrecht No. 1 |
| 9. Birch Bay No. 1 | 59. Dahle No. 1 |
| 10. International No. 6 | 60. Mills No. 1 |
| 11. International No. 4 | 61. Soderberg No. 1 |
| 12. Acme No. 1 | 62. Hart No. 1 |
| 13. Acme No. 2 | 63. Dahle No. 2 |
| 14. Lange No. 1 | 64. Hillje No. 2 |
| 15. International No. 5 | 65. Selina No. 1 |
| 16. International No. 3 | 66. Heinrich No. 1 |
| 17. Ives No. 1 | 67. Johnson No. 1 |
| 18. Ridge No. 1 | 68. Thom No. 1 |
| 19. Ives No. 2 | 69. Ridgeway-Heppler No. 1 |
| 20. Lange No. 2 | 70. Ridgeway-Heppler No. 1-A |
| 21. Ridge No. 2 | 71. Ridgeway-Heppler No. 2 |
| 22. Molin No. 1 | 72. Kris Whatcom No. 1 |
| 23. Ross No. 1 | 73. Stremler No. 1 |
| 24. Jensen No. 1 | 74. Ross No. 1 |
| 25. Whatcom No. 1 | 75. Sherman No. 1 |
| 26. Lingbloom No. 1 | |
| 27. Lingbloom No. 2 | |
| 28. Lingbloom No. 3 | |
| 29. Whatcom No. 2 | |
| 30. Lingbloom No. 4 | |
| 31. Chamber of Commerce No. 5 | |
| 32. Beyers No. 1 | |
| 33. Cowden No. 1 | |
| 34. Cowden No. 2 | |
| 35. Betsinger No. 1 | |
| 36. Harden No. 1 | |
| 37. Harden No. 2 | |
| 38. Hunter No. 3 | |
| 39. King No. 1 | |
| 40. Shale Oil & Gas No. 1 | |
| 41. Holman No. 3 | |
| 42. Hanson No. 1 | |
| 43. Selien No. 1 | |
| 44. Diamond drill hole | |
| 45. Livermore No. 1 | |
| 46. Russler No. 1 | |
| 47. Stewart-Hamilton | |
| 48. Peoples No. 1 | |
| 49. Peoples No. 6 | |
| 50. North Coast No. 1 | |

WELLS DRILLED FOR OIL AND GAS (1901-1965) AND MAJOR FOLDS
WESTERN WHATCOM COUNTY, WASHINGTON

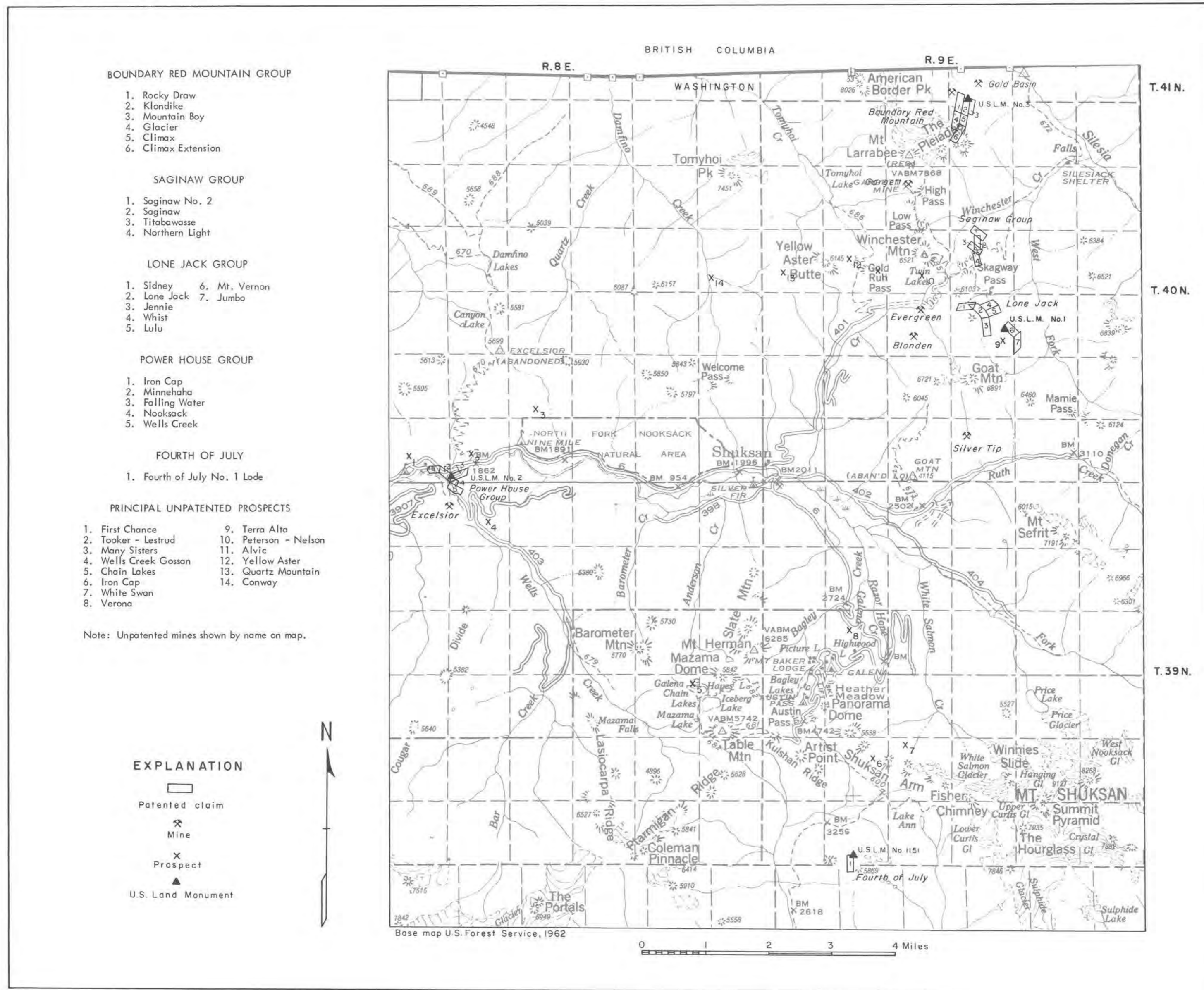


LOCATION MAP AND UNDERGROUND WORKINGS OF THE SUMAS CLAY MINE
WHATCOM COUNTY, WASHINGTON

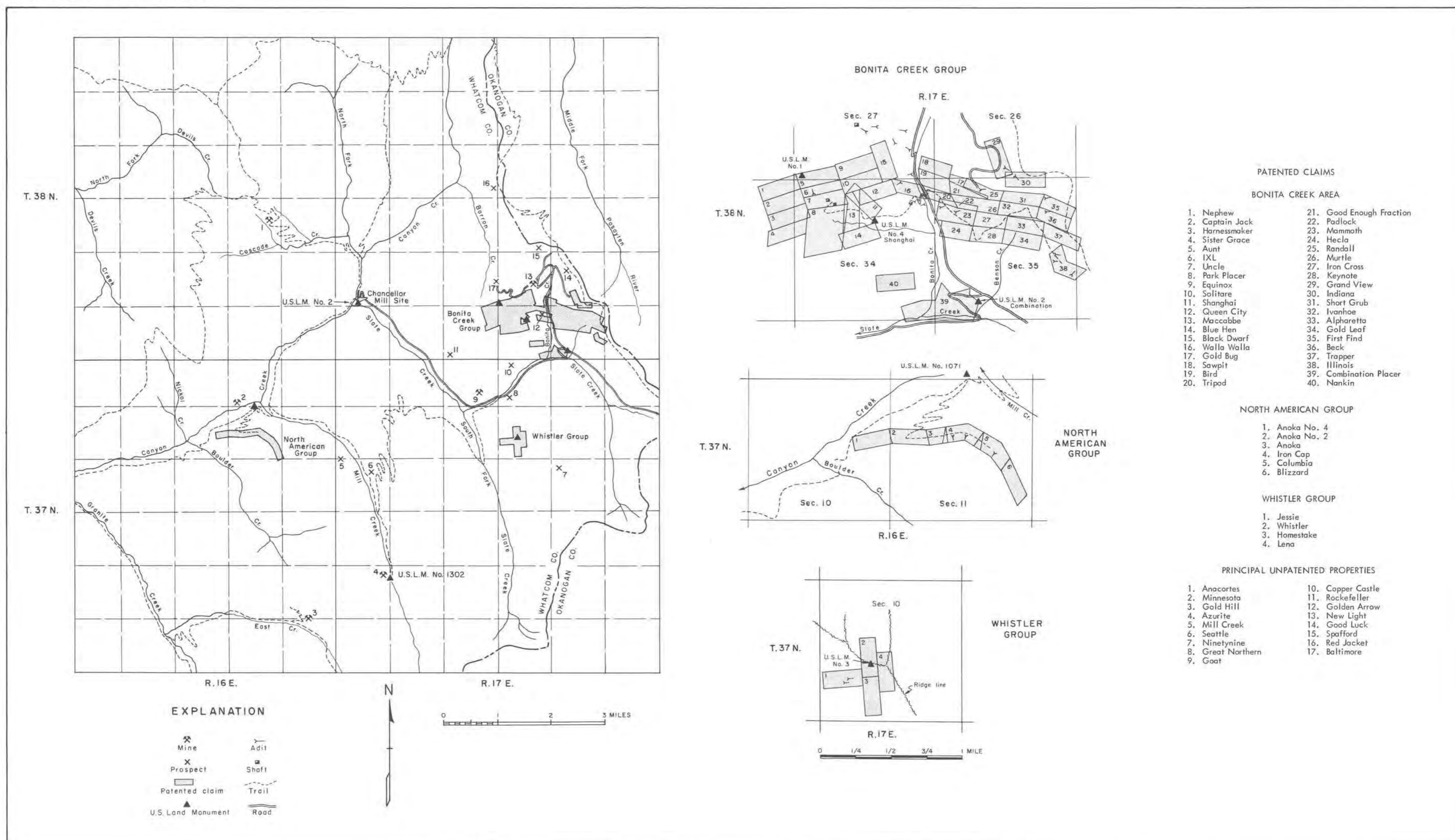


OUTCROP MAP OF THE SUMAS MOUNTAIN IRON DEPOSIT

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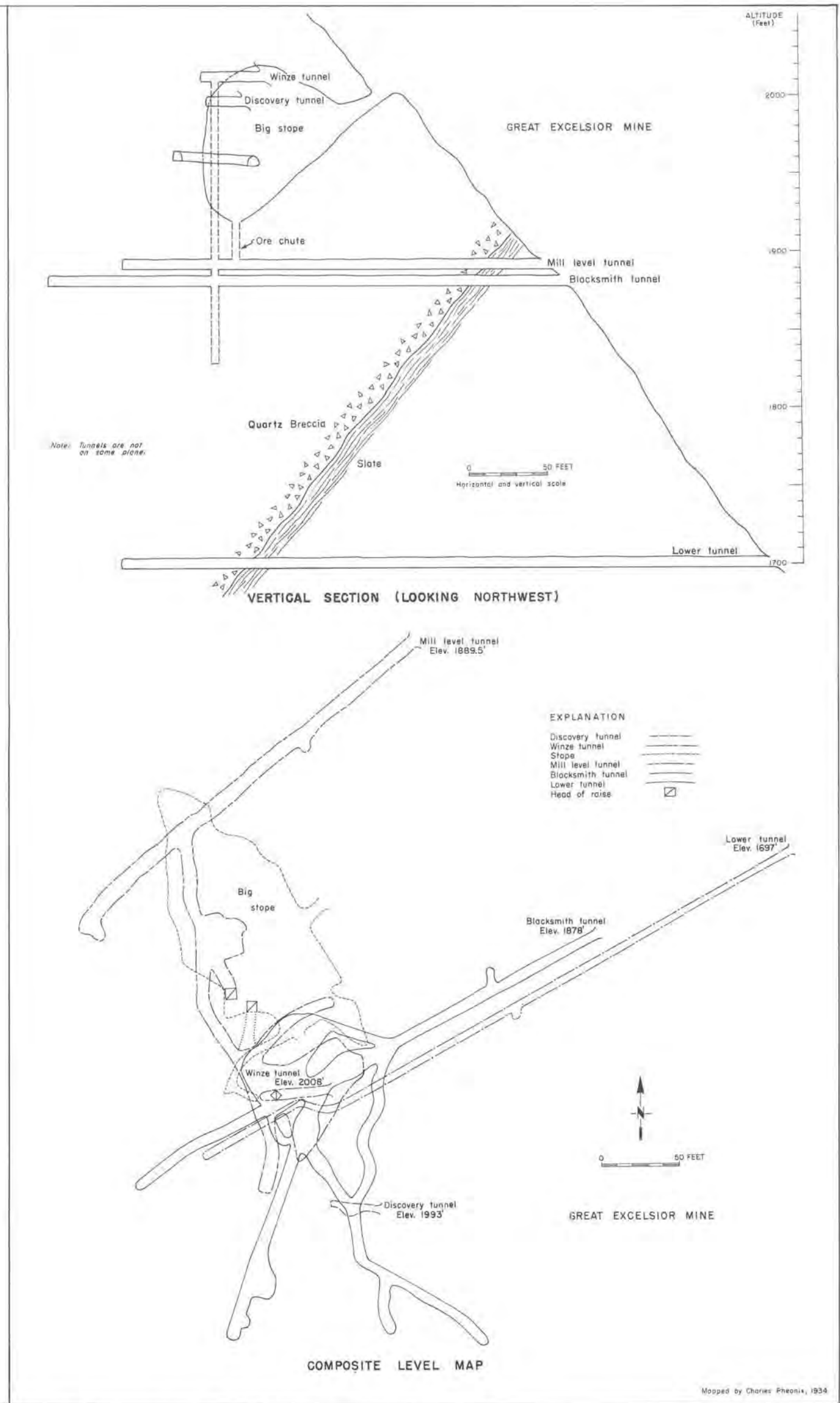
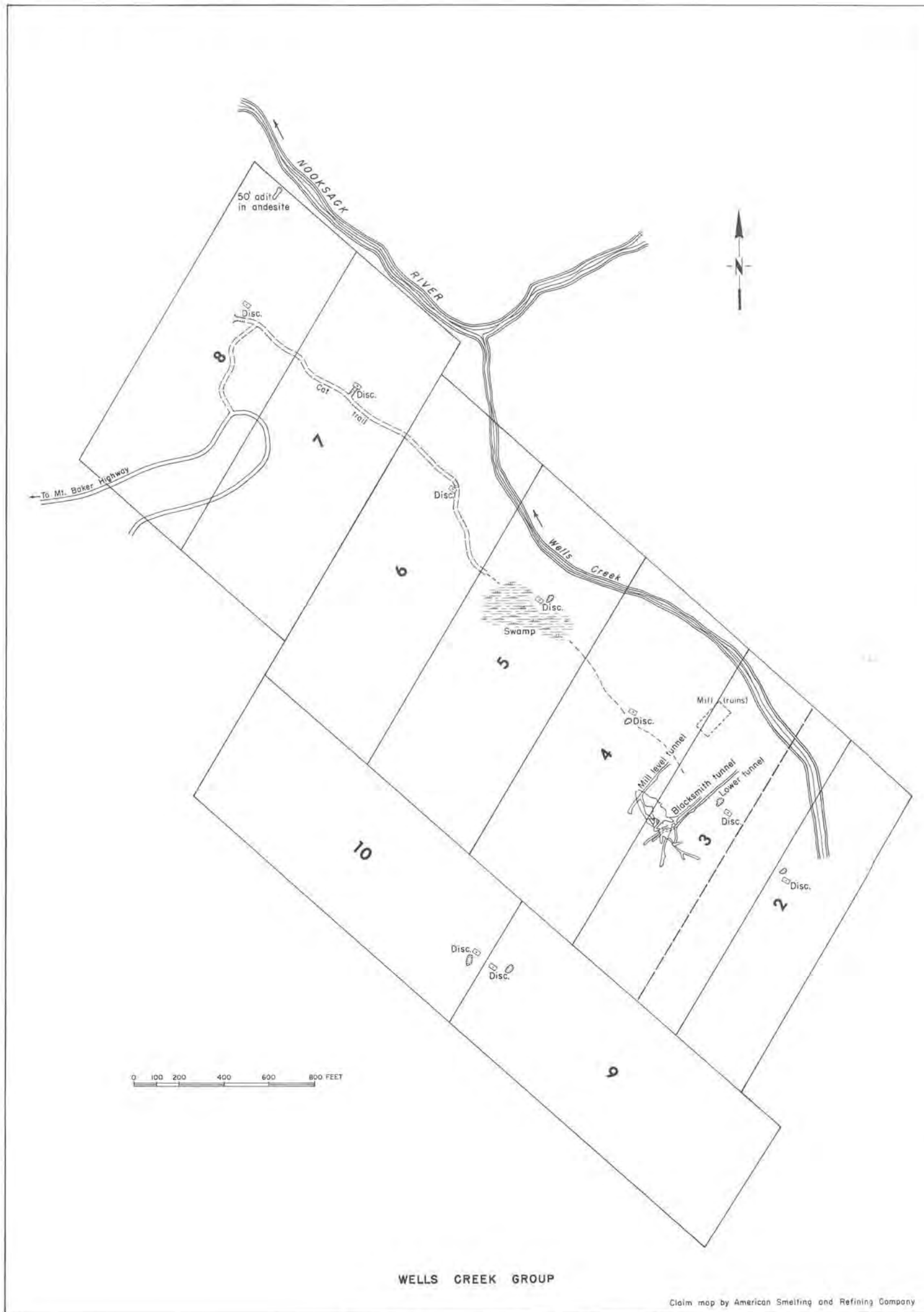
PRINCIPAL MINES AND PROSPECTS OF THE MOUNT SHUKSAN-MOUNT LARRABEE AREA
MOUNT BAKER MINING DISTRICT, WHATCOM COUNTY, WASHINGTON



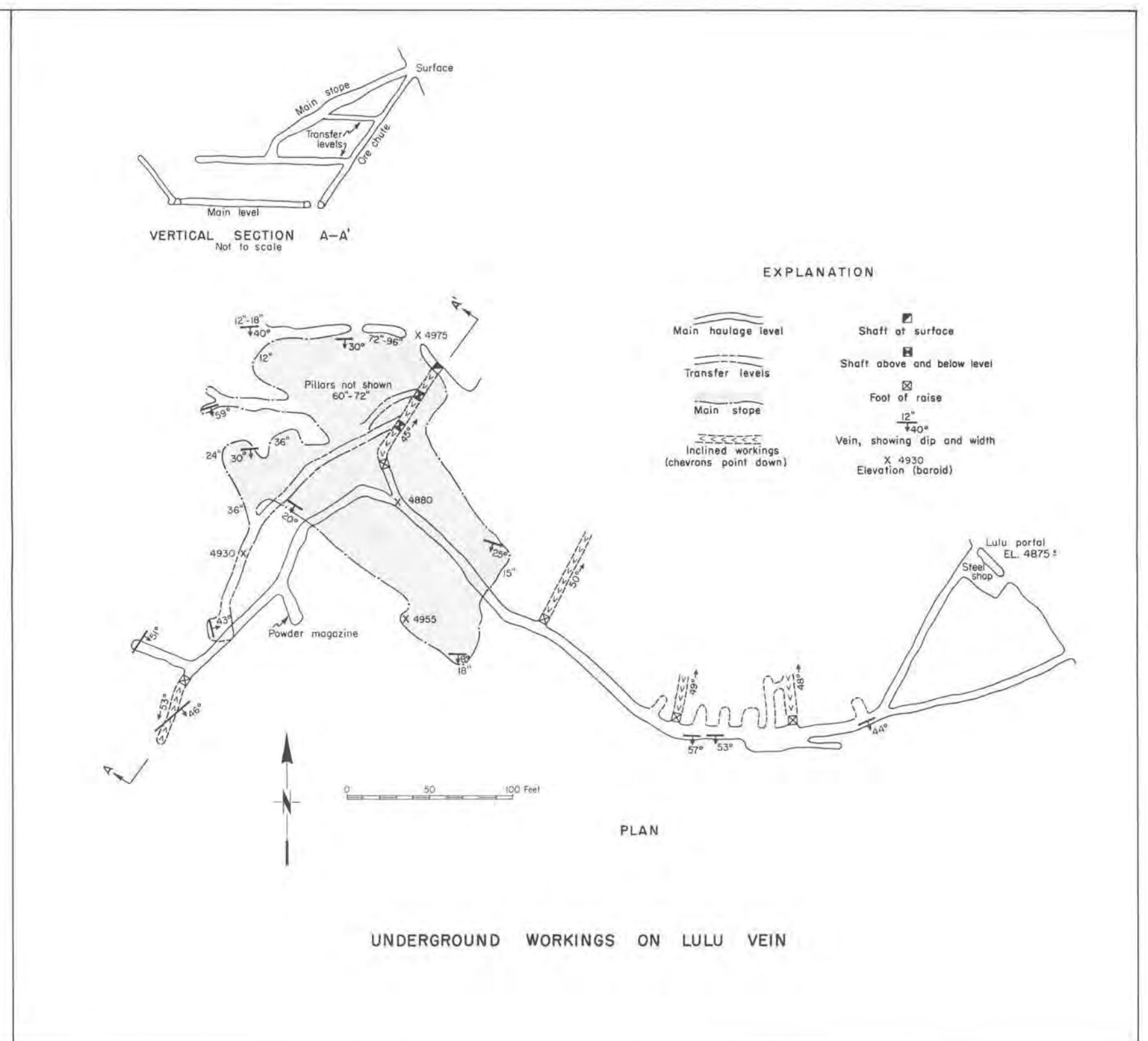
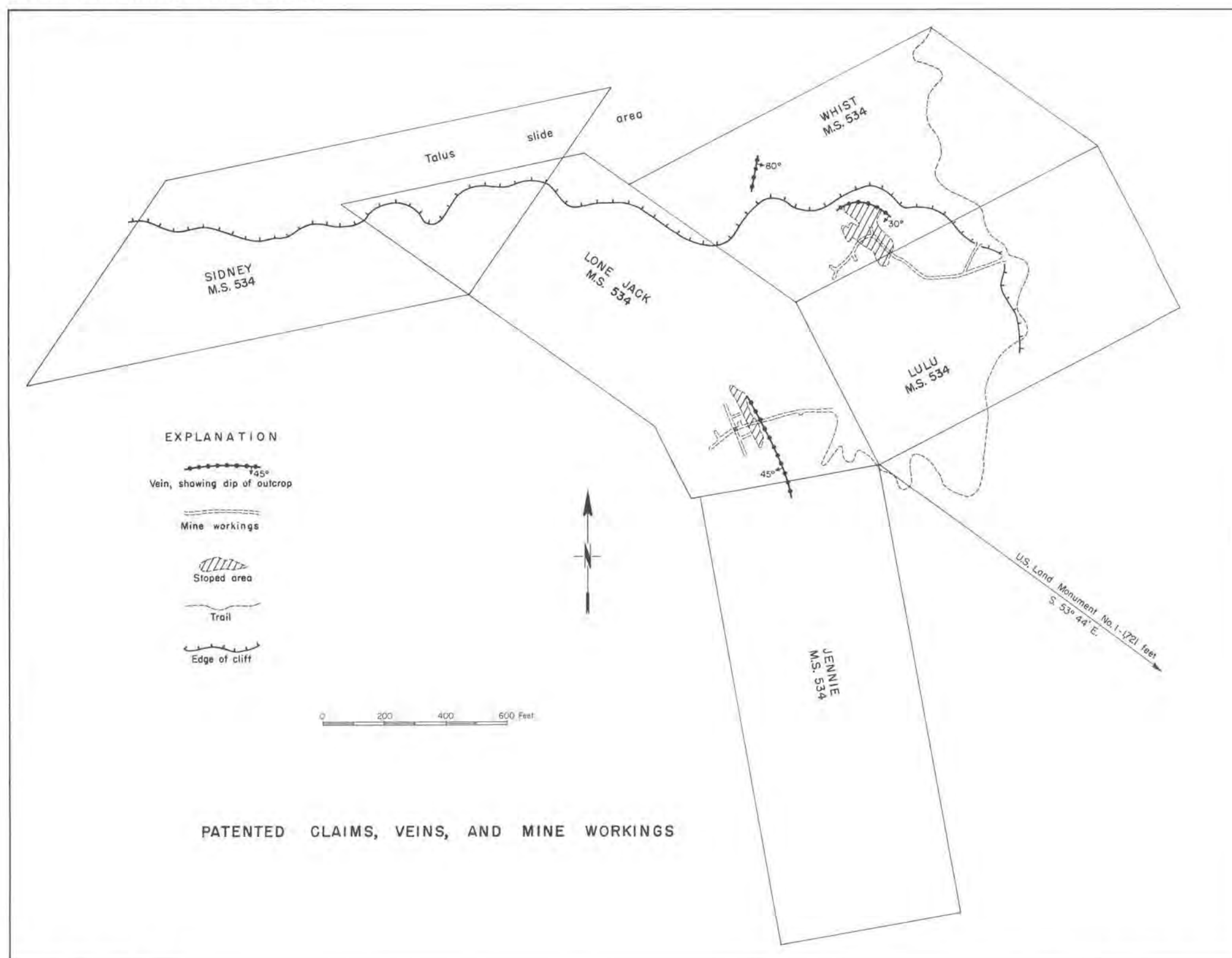
PRINCIPAL MINES AND PROSPECTS OF THE SLATE CREEK AREA
SLATE CREEK MINING DISTRICT, WHATCOM COUNTY, WASHINGTON

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CLAIM MAP AND UNDERGROUND WORKINGS OF THE GREAT EXCELSIOR MINE
MOUNT BAKER MINING DISTRICT, WHATCOM COUNTY, WASHINGTON

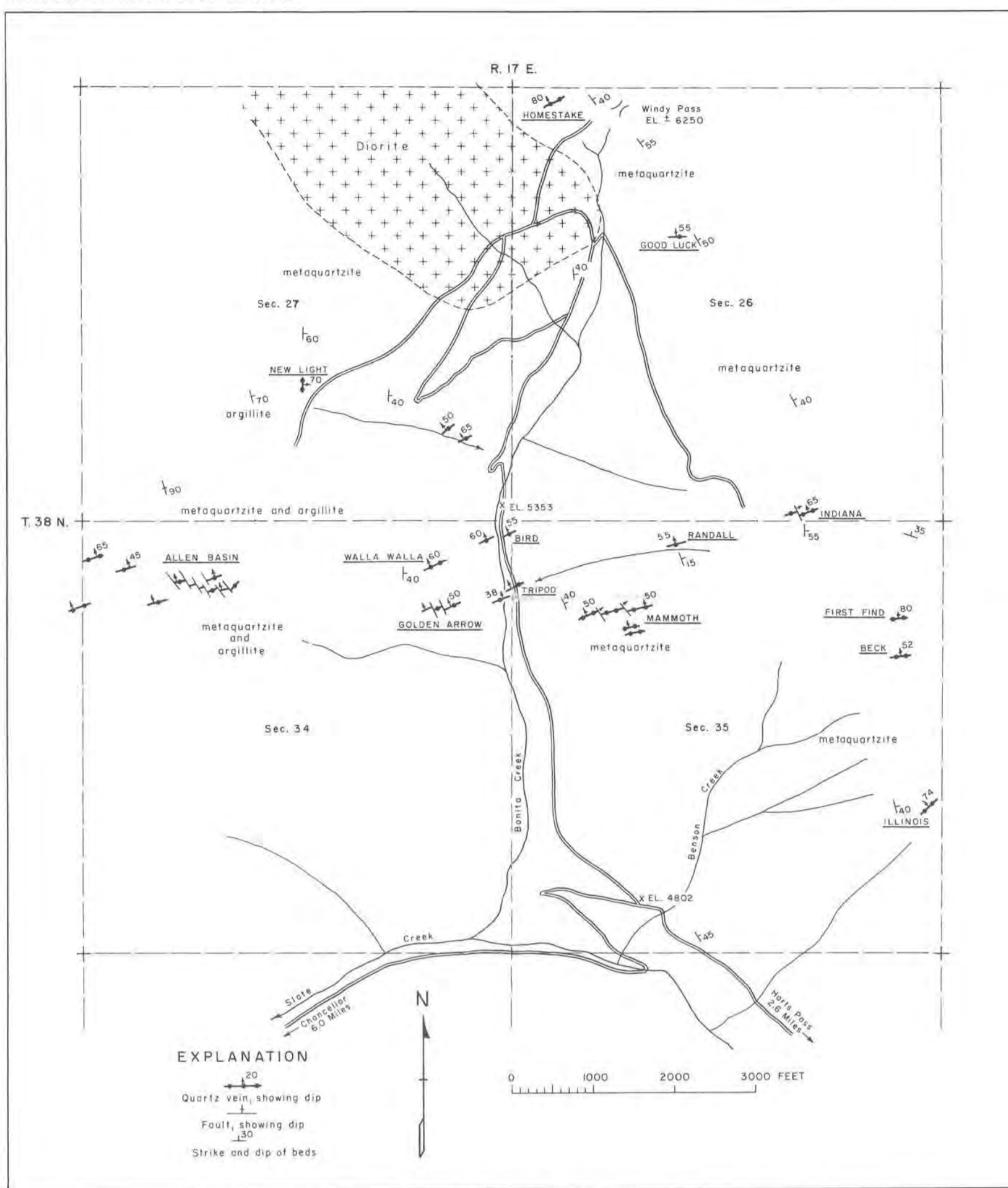


LONE JACK MINE
MOUNT BAKER MINING DISTRICT, WHATCOM COUNTY, WASHINGTON

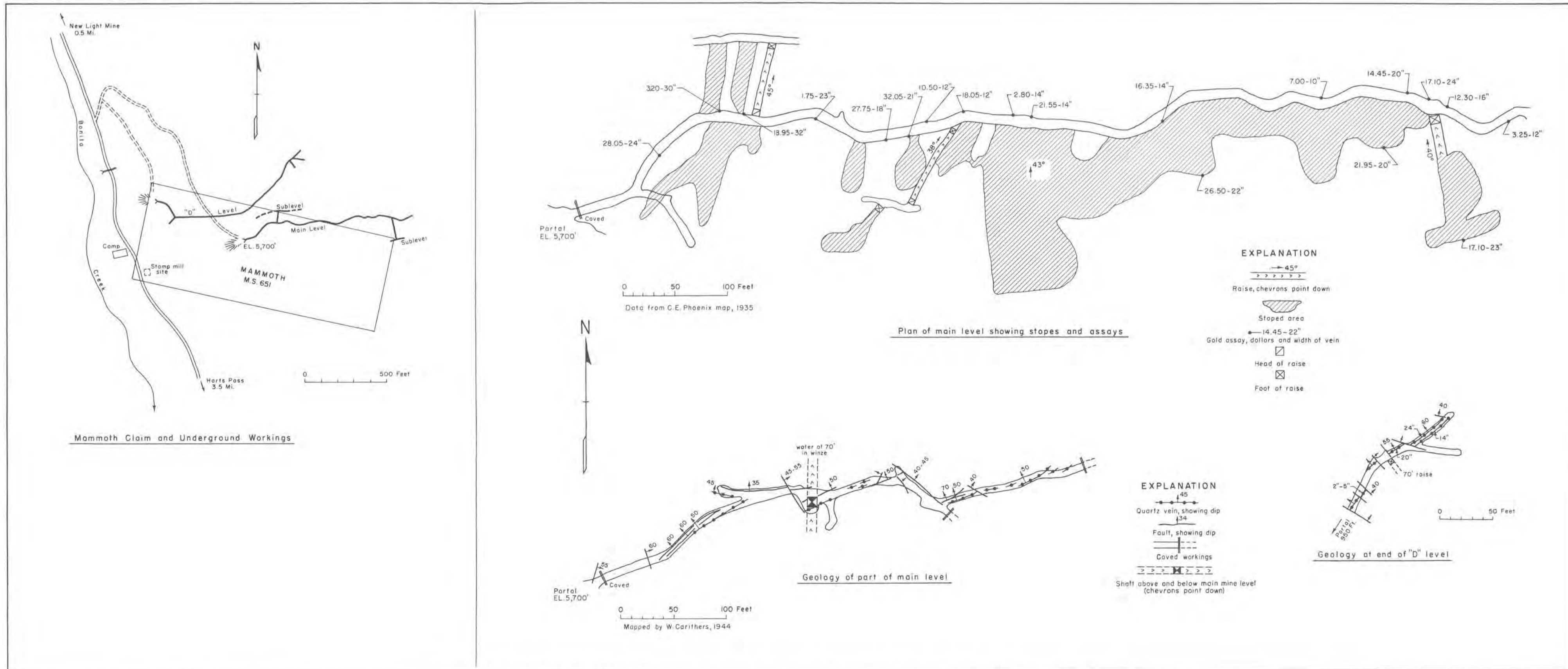
Mapped by R.M. Lindstrom, 1940

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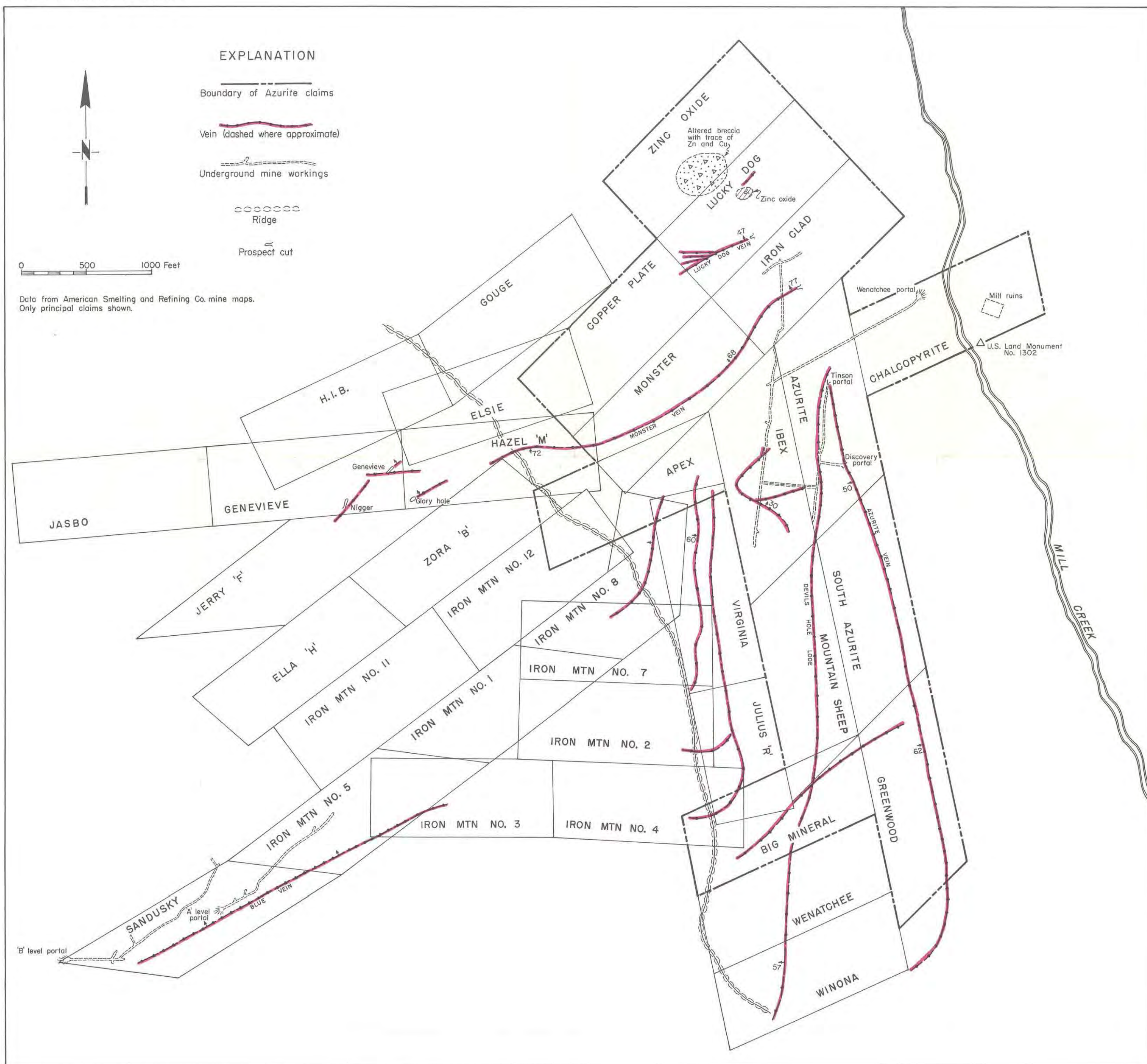
PRINCIPAL VEINS OF THE BONITA CREEK AREA
SLATE CREEK MINING DISTRICT, WHATCOM COUNTY, WASHINGTON



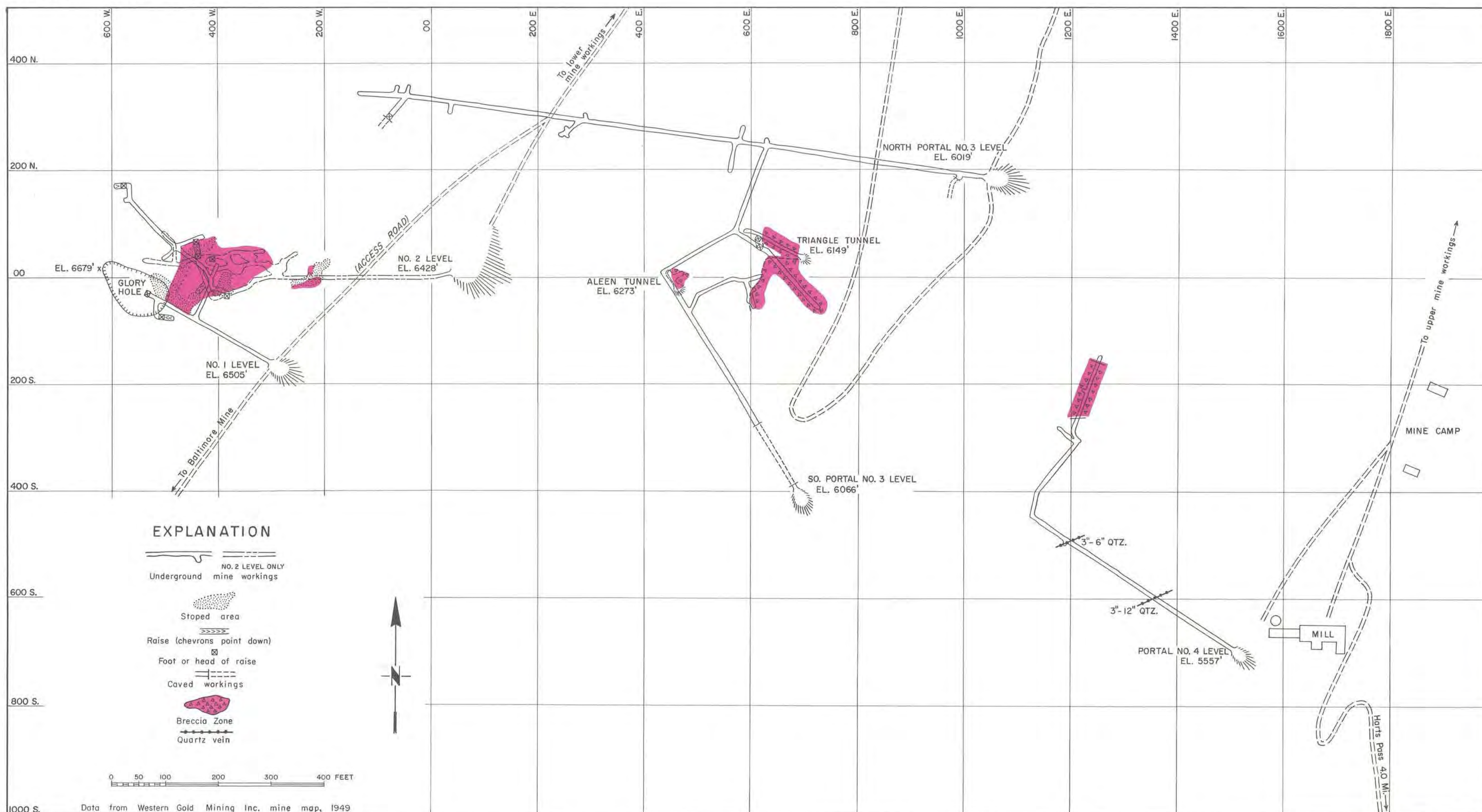
UNDERGROUND WORKINGS, GEOLOGY, AND ASSAYS OF THE MAMMOTH VEIN
SLATE CREEK MINING DISTRICT, WHATCOM COUNTY, WASHINGTON

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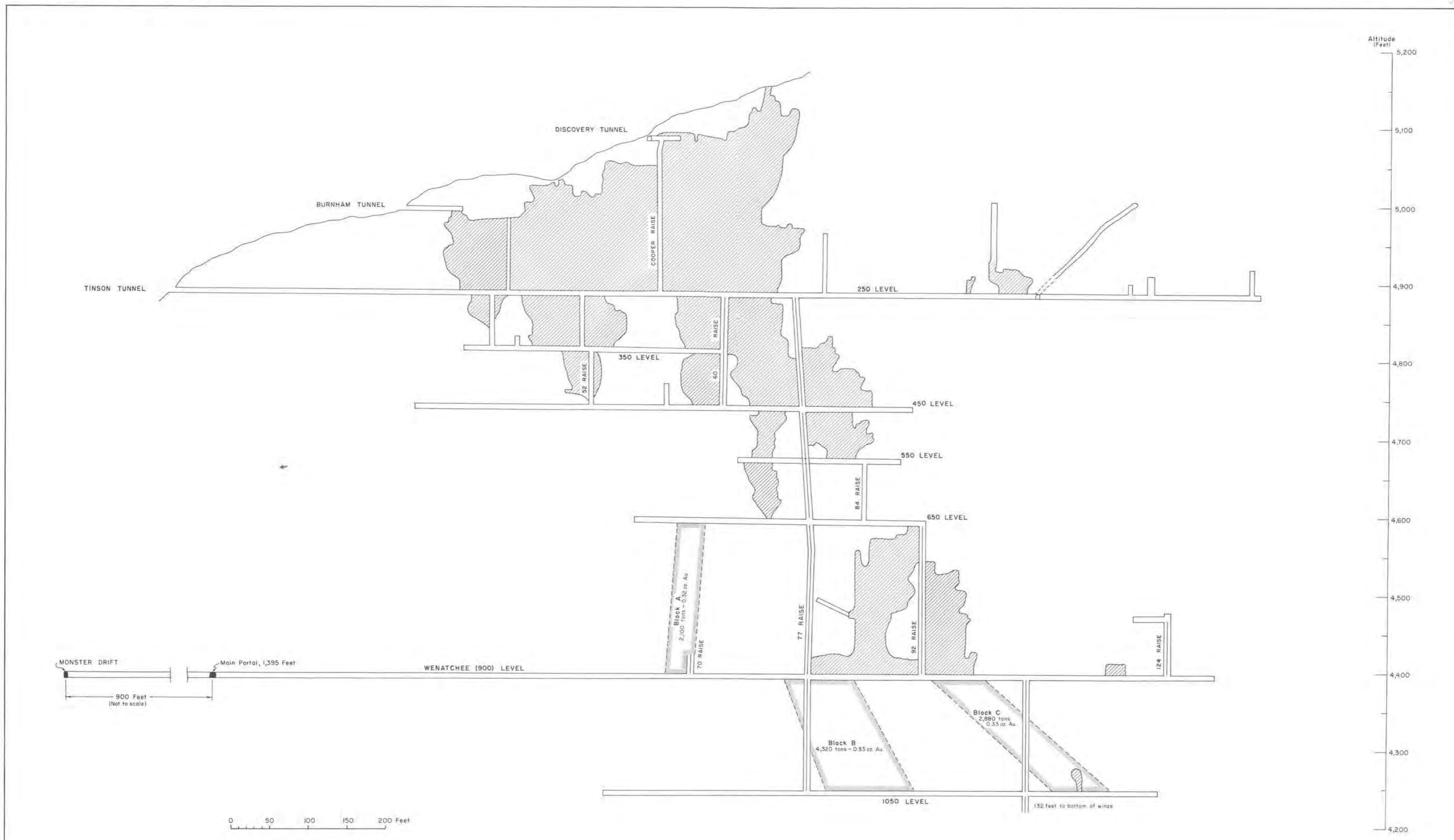
CLAIMS AND VEINS OF THE AZURITE AND GOLD HILL MINES
SLATE CREEK MINING DISTRICT, WHATCOM COUNTY, WASHINGTON



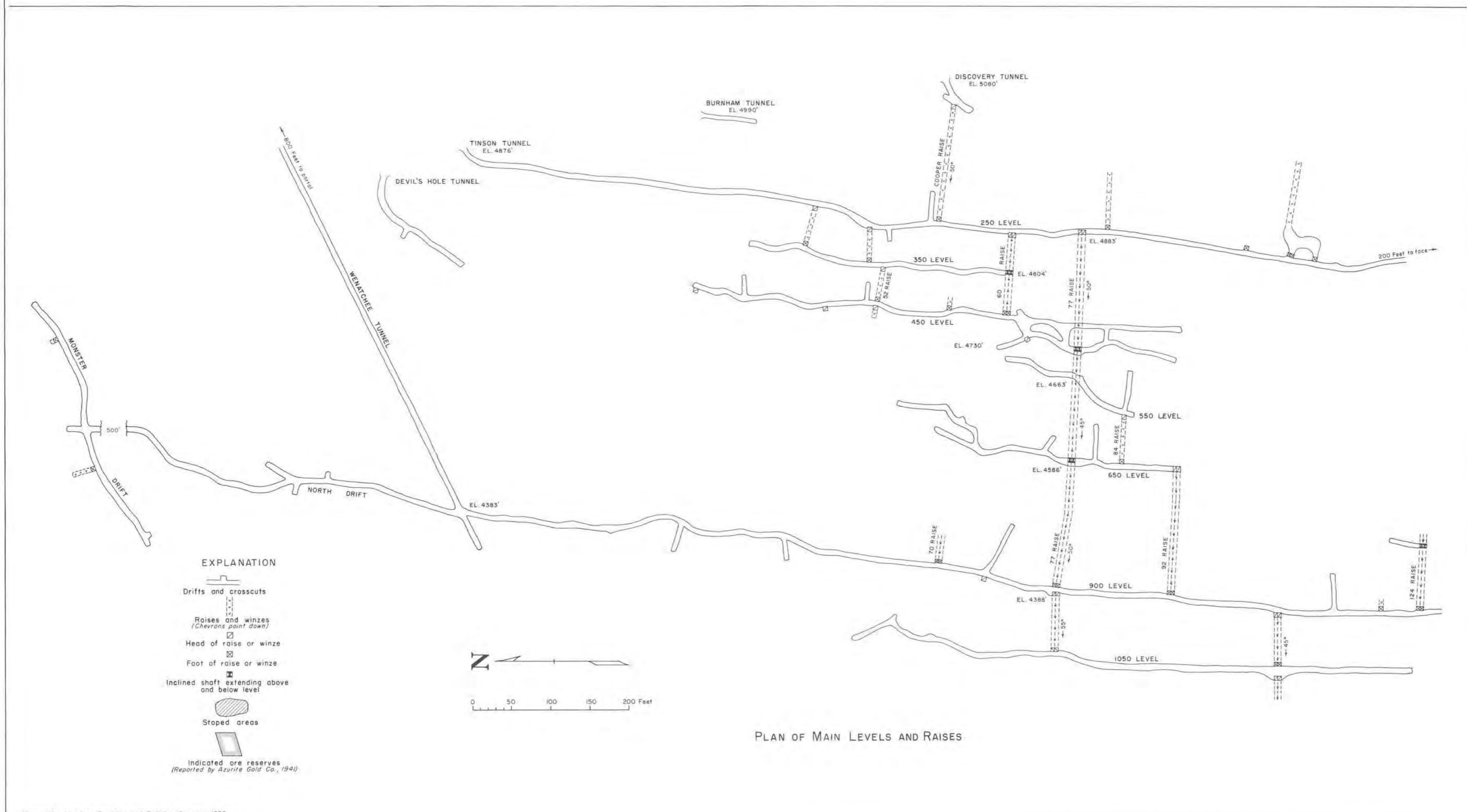
UNDERGROUND WORKINGS OF THE NEW LIGHT MINE
SLATE CREEK MINING DISTRICT, WHATCOM COUNTY, WASHINGTON

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VERTICAL PROJECTION THROUGH AZURITE MINE (Looking East)



- EXPLANATION**
- Drifts and crosscuts
 - Raises and winzes (Chevrons point down)
 - Head of raise or winze
 - Foot of raise or winze
 - Inclined shaft extending above and below level
 - Stoped areas
 - Indicated ore reserves (Reported by Azurite Gold Co., 1941)

PLAN OF MAIN LEVELS AND RAISES

Mapped by American Smelting and Refining Company, 1939

UNDERGROUND WORKINGS OF THE AZURITE MINE
SLATE CREEK MINING DISTRICT, WHATCOM COUNTY, WASHINGTON