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DEPARTMENT OF NATURAL RESOURCES
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DIVISION OF GEOLOGY AND EARTH RESOURCES
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GEOLOGY AND MINERAL DEPOSITS IN STEVENS COUNTY, WASHINGTON

by

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DEPARTMENT OF NATURAL RESOURCES
DIVISION OF AND GEOLOGY AND EARTH RESOURCES
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The map showing Stevens County geology and the series of six overlays showing locations of metal mines and prospects in the county that were announced December 31, 1968, as being open filed and available for inspection and available to be copied, have been revised to improve the quality of reproductions that can be made from them, and they are now available for use. Because of reproduction problems, the maps had to be re-drafted and reduced to a scale of 1:250,000.

The maps consist of (1) a base map that shows geology and mineral deposits in Stevens County and (2) six transparent overlays showing locations of deposits of the following metallic ores: copper, lead, zinc, gold-silver, uranium, and high-temperature ore minerals.[1] Although ozalid prints of these maps can be made inexpensively on ordinary paper, we strongly recommend that you order transparent film copies of the overlays, as this is the only satisfactory way to use the overlays in connection with the geologic base map. However, the base map showing the geology might best be reproduced as an ozalid print on paper, so the geologic units can be colored to emphasize the units of special interest.

As originally announced, it should be emphasized that these maps are still in rough form and are only preliminary work sheets. The geologic base map shows only the geology as published on the 1961 Geologic Map of Washington (available from State of Washington, Department of Natural Resources, Division of Geology and Earth Resources, 4224 6th Avenue S.E., Building 1, Rowe 6, Lacey, Washington 98503 at a price of $3, plus $1 postage, prepaid); it has not yet been modified to show geologic details published since 1961. The overlays show locations of mineral deposits, which are those shown in Washington Division of Mines and Geology Bulletin 37, part II [this publication is no longer in print but is available for inspection in the Division office and regional libraries]; these mineral-deposit data also have not yet been field checked, corrected, and revised, so may be considered to be preliminary only.

[1]Accompanying the maps is a four-page list of Stevens County mines and prospects, which serves to identify the properties shown on the maps. A copy of this list is enclosed.

STEVENS COUNTY MINES AND PROSPECTS 1/

Key Tables For Use With Geologic Sketch Map - Campbell and Sorem - 1968

TABLE A (use with overlay No. 1)

COPPER

1A Boundary Line
2A Udehard
3A Eureka
4A McKinley
5A Kettle River
7A Lakeside
8A Lucky Charlie
9A Comstock
10A Stemwinder
11A Bald Eagle
12A Iron Mask
13A Mogul
14A Little Giant
15A Montana and Washington
17A Bryant
18A Salina
19A Viking
20A Beecher
21A Red Lion
22A Abe Lincoln
23A International
24A Twilight
25A Blue Goose
26A Copper Jack
27A Monitor
28A Mystery
30A Dille
31A Regina
33A Lem
34A Pomeroy
35A Easter Sunday
36A McNess
37A Jayhawker
38A Big Iron
39A Churchill
40A Molly Gibson
41A White Horse
42A Double Standard
43A Great Republic
44A Fidelity
45A Hubbard
46A Providence
48A Moore
49A St. Crispin
50A Sunset
52A Moraski
53A Clara
54A Hunter
55A Anaconda
56A Copper King
59A United Treasure
60A Myeerah
61A Frisco Standard
62A Keough
63A Electric Point
64A Gladstone
66A Bullion
68A Wallstreet
69A Walking Boy
70A Hope and Twin Cabins
71A Big Jim
72A Bluebird
73A Homestake
74A War Eagle
75A Antelope
76A Montana
77A Pedro
78A Centennial
79A Lottie
80A Majorca
81A Minorca
82A Orpha
83A Graves
84A Georgic
85A Pop
86A Uncle Sam
87A Coffer
88A Elmo
89A Blue Grass
90A Nest Egg
91A Trojan
92A Defender
93A Sure Thing
94A Audrey M.
95A American Boy
96A Crescent
97A Copper Butte
98A Globe
99A Scotia
100A Napoleon
102A Bonanza
103A Gold Bar
104A Red Sheaf
105A Galena Farm
106A A and C
108A Williams Lake
109A Lucky Boy
110A Chloride Queen
111A Avondale-Dome
115A Burrus
116A Aladdin
117A Middleport

1/ Mining properties have been extracted from Washington Division of Mines and Geology Bulletin 37, Inventory of Washington Minerals, Part 2, Metallic Minerals.

STEVENS COUNTY MINES AND PROSPECTS

TABLE A—Continued

COPPER—Continued

118A Longshot
119A Big Bear
124A City View
125A Ark
126A E.M.C.
127A Fish
128A Acme
129A Aquila
130A John Hays
134A Bear Canyon
(134)A Moonlite
135A Chewelah Consolidated
136A Thomason-Queen
137A Copper Queen
138A Perry
139A Winslow
140A Royal
141A Belcher
142A Wilkie Lode
143A Amazon
144A Chinto
145A Benvenue
146A Jim Dandy
(146)A Sugar Loaf
147A Copper Queen
148A United Copper
149A John Day
151A Minnehaha
152A Independent Keystone
154A Hecla
155A Nabob
156A Jay Gould
157A Imperial Copper
158A Security Copper
159A Chewelah Standard
160A Juno-Echo
161A Diamond C.
(161)A Dora
162A Payne
163A Schoneberg
164A U.S. Copper Gold
165A Mullen
166A Windfall
(166)A Daisy
167A Copper Cliff
168A Montgomery
169A Quartzite Mountain
170A Mayflower
171A Banshee
172A Loon Lake
173A Bluebird
174A Valley
175A Inkler's Point
176A B and B
177A Brown's Lake
178A Superior Copper
179A Checops
180A Nevada
181A Monezuma
182A Pacific Copper
183A Liberty Copper
184A Montgomery Platsberg
185A Alandale
186A Krug
187A Silver Summit
189A Detroit
190A Edna
(190)A Delmonico
191A Vulcan
192A Double Eagle
193A Admiral
194A Denver
195A Orchid
196A Copper Butte
197A Rambler
198A Chamokane
199A Read
201A Monahan
202A Bonanza Copper
203A Togo
204A Giant Silver
205A Turk
206A Little Frank
207A Deer Trail
208A Hoodoo
209A Brooks
211A Saturday Night - Sunday Morning
212A Aichan Bee
213A Alberta
214A O-Lo-Lim
(238)A Mexico

TABLE G (use with overlay No. 4)

GOLD

17G Yellow Jacket
36G Swamp King
43G Oropacum
44G Titanic
45G Alice C.
47G First Thought
48G Hidden Treasure
49G First Though Extension
53G Trophy
54G Belmont
55G North Star
56G Second Thought
60G Sure Thing
75G Big Jim
84G Pedro
93G Elvick
129G Pritchard and Harper
147G Sunday

TABLE B (use with overlay No. 2)

LEAD

1B Margarete
3B Rockcut

STEVENS COUNTY MINES AND PROSPECTS

TABLE B—Continued

LEAD—Continued

9B Three Orphans
10B Young
12B Tom Moore
30B Galena Hill
40B Coyote
43B Riverview
44B Sterrett
47B Mineral Belt
50B Northern Light
51B Silver Crown
52B Cast Steel
53B Ibex
55B Stonewall-Sunnyside
60B Helena Johnson
61B Last Chance
62B Great Western
75B Highland
76B Just Time
77B Evergreen
78B Olympia
79B Ranch View
83B Scaman
87B Eldorado
89B Hartbauer
92B Treadwell
93B Lead Trust
94B Black Cat
95B Red Iron
96B Blue Lime
97B Elk
99B Great Northern
100B Lead King
101B Crystal
102B Leon C.
105B Wildcat
108B Bechtol
112B Maki
118B Oakshott
124B Michigan Boy
126B Galena Knob
133B Big Chief
135B Neglected
136B Lucky Stone
137B Leadville
138B Botts
139B Crackerjack
144B Uncle Sam
154B Ore Cache
156B Lynn
161B Acme
164B Rosebud
166B Ham
171B Bear Mountain
173B Bertha M.
195B Cleveland

TABLE M (use with base map)

MANGANESE

1M Marty
2M Wellpinit
3M Turtle Lake

TABLE C - MOLYBDENUM (use with overlay No. 6)

1C Short Wait
2C American
3C Constitution
4C Ray Cox Moly
5C New Leadville
6C Aladdin
8C Columbia River
10C Rocky Lake
11C Black Horse
12C Washington Metals
14C Chewelah Standard
15C Juno-Echo
16C Tungsten King
17C Deer Trail Monitor
20C Sand Creek
88C Easy Money
123C Coyote

TABLE N (use with overlay No. 6)

NICKEL

4N Mullen
5N Marcus
6N Morning Star

TABLE D (use with overlay No. 4)

SILVER

47D Crown Point
64D Lone Star
66D Mountain View
99D Hazel
104D Roosevelt
109D Buffalo
125D Center Star
145D Old Dominion
150D I.O.U.
154D Blue Grouse
159D Alma
165D Cantaloupe
166D Daisy-Tempest
203D Eagle
212D Honest John
224D Sandiego
225D North Monitor
239D Moonshine
240D Plata Fino
241D Plata Rica
244D Orazada

STEVENS COUNTY MINES AND PROSPECTS

TABLE W (use with overlay No. 6)

TUNGSTEN

4W Heritage
5W Tile Creek
7W Mineral Ridge
11W McMillan
17W Gaber
18W New Blue Grouse
19W Old Blue Grouse
20W Harrison
22W S. L.
23W Tungsten King
25W Becker-Anderson-Kirkwood
26W Germania
27W Germania Consolidated
31W Little Mountain

TABLE E (use with overlay No. 5)

URANIUM

1E AA
2E U & W
2aE Painted Desert
3E O'Toole Mountain
4E Arden
5E Cannon
6E Snowshoe
7E Indian Chief
9E Midnite
10E Lucky Charm
11E Boyd
12E Dahl Uranium Mine, Inc.
13E Square Deal
14E Bair
15E Northwest
16E Section 13
17E Lowley
18E Big Smoke

TABLE F (use with overlay No. 3)

ZINC

10F Pomeroy
11F Flat Creek
31F New England
32F Occidental
35F Black Rock
39F Scandia
40F Advance
41F Plug
42F Farmer
45F Carbo
49F Anderson
50F A. Anderson
51F Admiral Consolidated
58F Lucile
80F Echo
85F Van Stone
97F Shoemaker
Cholett

SKETCH MAP SHOWING GEOLOGY AND MINERAL DEPOSITS IN STEVENS COUNTY, WASHINGTON

By

Newell P. Campbell and Ronald K. Sorem

EXPLANATION

Geologic formation symbols: see Geologic Map of Washington [1]

Mine symbols: symbols[2] indicate approximate location of reported mineral deposit or prospect. For each symbol, number and letter refer to name in accompanying tables. The letter refers to the chief metal present. The number is that given for the deposit in Bulletin 37, Part 2, [3] of the Division of Mines and Geology.

Separate overlays showing the distribution of various metal deposits are as follows:

- Overlay 1: Copper (see Table A)
- Overlay 2: Lead (see Table B)
- Overlay 3: Zinc (see Table F)
- Overlay 4: Silver and Gold (see Tables D and G)
- Overlay 5: Uranium (see Table E)
- Overlay 6: This overlay shows distribution of minerals (as far as known) which may indicate high temperature of formation (see Tables C, W, and N).

This map is in preliminary form and has not been edited and reviewed to bring it to publication standards. Geology published subsequent to 1961 is not included on the map.

1/ Geologic map of Washington, 1961, scale 1:500,000. May be purchased from the Department of Natural Resources at a prepaid price of $3.00.

2/ Although several different mine symbols are used on this map, they are used only to designate the location of a mineral occurrence, prospect, or mine.

3/ Bulletin 37, Inventory of Washington Minerals, Part 2, Metallic Minerals, may be purchased from the Department of Natural Resources, P. O. Box 168, Olympia, Washington, 98501, at a prepaid price of $4.50.

TUBE
QE175
A3
06
69-1
Base
copy 2

COLVILLE

CHEWELAH

OVERLAY #1
Cu METAL-●
KNOWN OCCURENCES
STEVENS CO. WASH.
N. CAMPBELL 1968

TUBE
QE175
A3
06
69-1
Over 1

COLVILLE

CHEWELAH

OVERLAY #2
Pb METAL ●
KNOWN OCCURENCES
STEVENS CO. WASH.
N. CAMPBELL 1968

TUBE
QE175
A3
06
69-1
Over 2
copy 2

COLVILLE

CHEWELAH

OVERLAY #3
ZN METAL ●
KNOWN OCCURENCES
STEVENS CO. WASH.
N. CAMPBELL 1968

TUBE
QE175
A3

COLVILLE

CHEWELAH

OVERLAY #4
Au - Ag METAL S
KNOWN OCCURENCES
STEVENS CO. WASH.
N. CAMPBELL 1968

TUBE
QE175
A3

COLVILLE

CHEWELAH

OVERLAY #5
URANIUM-
KNOW OCCURENCES
STEVENS CO. WASH.
N. CAMPBELL 1968

TUBE
QE175
A3
06
69-1
Over 5
copy 2

COLVILLE

CHEWELAH

OVERLAY #6
HIGH TEMP. ORE MINERALS
TUNGSTEN - SCHEELITE - WOLFRAMITE - HUEBERITE
MOLYBDENUM - MOLYBDENITE
NICKEL-
ARSENOPYRITE
COBALT
TIN
STEVENS CO. WASH.
N. CAMPBELL. 1968

TUBE
QE175
A3
06
69-1
Over 6
copy 2