

## PRELIMINARY GEOLOGIC MAP

OF THE

## GRANTS PASS QUADRANGLE,

OREGON

SURVEYED BY  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

ISSUED BY  
STATE DEPARTMENT OF GEOLOGY  
AND MINERAL INDUSTRIES  
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## EXPLANATION

Qal  
Alluvium  
(Stratified gravel, sand, and silt,  
and water-worn cobbles)  
UNCONFORMITY

Teu  
Umpqua formation  
(Sandstone, grit, and conglomerate)  
UNCONFORMITY

Ke  
Chico formation  
(Greenish to buff volcanic sandstone  
conglomerate of base and in lenses  
at higher levels)  
UNCONFORMITY

Jurassic sedimentary and  
volcanic rocks  
(Sedimentary rocks, in, chiefly dark  
gray to black slate, with some light-  
er-colored conglomerate, grit, and  
effluvia; volcanic rocks, in, chiefly  
equivalent either wholly or in part to  
Galice formation. Volcanic rocks, in,  
altered andesite flows interlayered  
with flow-breccia, grit, and shale)

ms  
Metasedimentary rocks  
(Altered igneous sediments, as  
argillite, or, quartzite, or, chert, ch,  
and limestone, is)

mv  
Metavolcanic rocks  
(Altered lava flows, flow breccia,  
and agglomerate, with some extra-  
igneous rocks. Dike pattern, injected by  
serpentine)

os  
Older schists  
(Extremely altered schistose rocks,  
partly sedimentary and partly  
volcanic in origin)

Dike rocks  
(Dikes of varied composition, chiefly  
dioritic; some characterized by  
rhomboidal phenocrysts of plagioclase.  
A few may be Tertiary)

ed  
Quartz diorite and related rocks  
(Diorite, or, quartz diorite, or, gran-  
odiorite, or, and granite forming  
irregular masses)

gb  
Gabbro  
(Coarse-grained granular rock  
containing a large proportion of  
dark-colored minerals)

sp  
Serpentine  
(Green rocks consisting mainly of  
serpentine minerals, derived from  
peridotite and pyroxenite and  
enclaving remnants of both black  
dike pattern, serpentine intricately  
injected in metavolcanic rocks)

ca  
Contact aureoles  
(Areas of strong contact metamor-  
phism in Jurassic and older rocks)

Fault  
Strike and dip of sedimentary beds  
Strike of vertical beds  
Strike and dip of shistosity or foliation  
Strike of shistosity or foliation  
Strike and dip of joint planes  
Strike of vertical joint  
Direction of horizontal linear element  
Direction of dip of bed  
Mine Prospect Placer

## MINES AND PROSPECTS

1. Cascade Prospect	Sec. 35, T. 35 S., R. 3 W.	Gold lode
2. Golden Cross Prospect	Sec. 35, T. 35 S., R. 3 W.	Gold lode
3. Lone Eagle Prospect	Sec. 29, T. 35 S., R. 3 W.	Gold lode
4. Lucky Bart Mine	Sec. 30, T. 35 S., R. 3 W.	Gold lode
5. Grant Powell Prospect	Sec. 32, T. 35 S., R. 3 W.	Gold lode
6. Ida Mine	Sec. 26, T. 35 S., R. 5 W.	Gold lode
7. Columbia Mine	Sec. 26, T. 35 S., R. 5 W.	Placer
8. Granite Hill Mine	Sec. 26, T. 35 S., R. 5 W.	Gold lode
8a. Red Jacket Mine	Sec. 34, T. 35 S., R. 5 W.	Gold lode
9. Flannagan and Emerson Placer	Sec. 35, T. 35 S., R. 7 W.	Placer
10. Jewett Mine	Sec. 27, T. 35 S., R. 4 W.	Gold lode
11. Golden Mary Prospect	Sec. 34, T. 36 S., R. 4 W.	Gold lode
11a. No Name	Sec. 26, T. 36 S., R. 4 W.	Gold lode
12. Homestead Mine	Sec. 16, T. 36 S., R. 4 W.	Gold lode
13. Molybdenum Prospect	Sec. 16, T. 36 S., R. 4 W.	Molybdenum lode
14. Capitol Hill Prospect	Sec. 9, T. 36 S., R. 4 W.	Gold lode
15. Cartnell Prospect	Sec. 9, T. 36 S., R. 4 W.	Gold lode
16. Owl Hollow Prospect	Sec. 32, T. 36 S., R. 4 W.	Gold lode
17. Little Group	Sec. 33, T. 36 S., R. 4 W.	Gold lode
18. No Name	Sec. 23, T. 36 S., R. 4 W.	Gold lode
19. No Name	Sec. 23, T. 36 S., R. 4 W.	Gold lode
20. Black Channel Placer	Sec. 33, T. 36 S., R. 4 W.	Gold lode
21. No Name	Sec. 24, T. 36 S., R. 4 W.	Gold lode
22. Limestone Quarry	Sec. 13, T. 36 S., R. 4 W.	Limestone
23. Bristol Silica Co. Mine	Sec. 30, T. 36 S., R. 3 W.	Silica
24. Tin Pan Mine	Sec. 31, T. 36 S., R. 3 W.	Gold lode
25. No Name	Sec. 32, T. 36 S., R. 3 W.	Gold lode
26. No Name	Sec. 29, T. 36 S., R. 3 W.	Gold lode
27. No Name	Sec. 28, T. 36 S., R. 3 W.	Gold lode
28. Last Chance Prospect	Sec. 33, T. 36 S., R. 3 W.	Gold lode
29. Lawrence Mine	Sec. 33, T. 36 S., R. 3 W.	Gold lode
30. Bill Nye Mine	Sec. 34, T. 36 S., R. 3 W.	Gold lode
31. Braden Mine	Sec. 27, T. 36 S., R. 3 W.	Gold lode
32. Gold Hill Placer	Sec. 17, T. 36 S., R. 3 W.	Placer
33. Beaver Portland Cement Co. Mine	Sec. 16, T. 36 S., R. 3 W.	Limestone
34. Bull of the Woods Prospect	Sec. 15, T. 36 S., R. 3 W.	Gold lode
35. No Name	Sec. 3, T. 36 S., R. 3 W.	Gold lode
36. Smuggler Prospect	Sec. 2, T. 36 S., R. 3 W.	Gold lode
37. Last Chance Prospect	Sec. 2, T. 36 S., R. 3 W.	Gold lode
38. Sylvanite Mine	Sec. 2, T. 36 S., R. 3 W.	Gold lode
39. No Name	Sec. 11, T. 36 S., R. 3 W.	Gold lode
40. Gold Hill Pocket	Sec. 14, T. 36 S., R. 3 W.	Gold lode
41. No Name	Sec. 13, T. 36 S., R. 3 W.	Gold lode
42. No Name	Sec. 23, T. 36 S., R. 3 W.	Gold lode
43. Lively Limestone Mine	Sec. 2, T. 37 S., R. 3 W.	Limestone
44. No Name Mine	Sec. 3, T. 37 S., R. 3 W.	Gold lode
45. Schmidt Prospect	Sec. 5, T. 37 S., R. 3 W.	Gold lode
46. Bristol Limestone	Sec. 6, T. 37 S., R. 3 W.	Limestone
47. Mountain View	Sec. 6, T. 37 S., R. 3 W.	Gold lode
49. Rattlesnake Mine	Sec. 5, T. 37 S., R. 3 W.	Gold lode
50. Alice Mine	Sec. 11, T. 37 S., R. 3 W.	Gold lode
51. Revenue Pocket Mine	Sec. 11, T. 37 S., R. 3 W.	Gold lode
52. No Name	Sec. 15, T. 37 S., R. 3 W.	Gold lode
53. Davis Ledge Prospect	Sec. 13, T. 37 S., R. 3 W.	Gold lode
54. No Name	Sec. 22, T. 37 S., R. 3 W.	Gold lode
55. Norling Mine	Sec. 27, T. 37 S., R. 3 W.	Gold lode
56. No Name	Sec. 26, T. 37 S., R. 3 W.	Placer
57. No Name	Sec. 31, T. 37 S., R. 3 W.	Gold lode
58. Black Channel Placer	Sec. 12, T. 37 S., R. 4 W.	Placer
59. Big Buck Prospect	Sec. 1, T. 37 S., R. 4 W.	Gold lode
60. No Name	Sec. 1, T. 37 S., R. 4 W.	Gold lode
61. No Name	Sec. 22, T. 37 S., R. 4 W.	Placer
62. Mountain Lion Prospect	Sec. 30, T. 37 S., R. 5 W.	Gold lode
63. Murphy Placer	Sec. 30, T. 37 S., R. 5 W.	Placer
64. Exchequer Mine	Sec. 35, T. 37 S., R. 5 W.	Gold lode
65. No Name	Sec. 33, T. 37 S., R. 5 W.	Gold lode
66. No Name	Sec. 28, T. 37 S., R. 5 W.	Gold lode
67. Jewel Placer	Sec. 21, T. 37 S., R. 5 W.	Gold lode
68. Michigan Mine	Sec. 16, T. 37 S., R. 5 W.	Gold lode
69. No Name	Sec. 10, T. 37 S., R. 6 W.	Gold lode
70. Beaver Portland Cement Mine	Sec. 30, T. 37 S., R. 6 W.	Limestone
71. No Name	Sec. 26, T. 38 S., R. 7 W.	Chromite
72. No Name	Sec. 24, T. 38 S., R. 7 W.	Chromite
73. No Name	Sec. 6, T. 38 S., R. 6 W.	Limestone
74. No Name	Sec. 27, T. 38 S., R. 6 W.	Chromite
75. No Name	Sec. 33, T. 38 S., R. 6 W.	Chromite
76. No Name	Sec. 33, T. 38 S., R. 6 W.	Chromite
77. No Name	Sec. 25, T. 38 S., R. 6 W.	Chromite
78. No Name	Sec. 5, T. 38 S., R. 6 W.	Chromite
79. Humbinger Mine	Sec. 16 & 21, T. 38 S., R. 5 W.	Gold lode
80. Oregon Bonanza Mine	Sec. 16, T. 38 S., R. 5 W.	Gold lode
81. Ore. Lime Products Mine	Sec. 15, T. 38 S., R. 5 W.	Limestone
82. No Name	Sec. 21, T. 38 S., R. 5 W.	Placer
83. Jones Marble Quarry	Sec. 31, T. 38 S., R. 5 W.	Marble
84. No Name	Sec. 31, T. 38 S., R. 5 W.	Limestone
85. No Name	Sec. 31, T. 38 S., R. 5 W.	Chromite
86. Bone of Contention Mine	Sec. 25, T. 38 S., R. 5 W.	Gold lode
87. Sunrise Prospect	Sec. 6, T. 38 S., R. 4 W.	Gold lode
88. Junebug Prospect	Sec. 6, T. 38 S., R. 4 W.	Gold lode
89. White Oak Prospect	Sec. 6, T. 38 S., R. 4 W.	Gold lode
90. Layton Mine	Sec. 20, T. 38 S., R. 4 W.	Gold lode
91. Great I am Mine	Sec. 31, T. 38 S., R. 4 W.	Gold lode
92. Hayfork Dredge Placer	Sec. 28, T. 38 S., R. 4 W.	Placer
93. No Name	Sec. 15, T. 38 S., R. 4 W.	Gold lode
94. Victor Prospect	Sec. 10, T. 38 S., R. 4 W.	Gold lode
95. No Name	Sec. 14, T. 38 S., R. 4 W.	Gold lode
96. Scott Mine	Sec. 13, T. 38 S., R. 4 W.	Gold lode
97. No Name	Sec. 24, T. 38 S., R. 4 W.	Gold lode
98. Sundown Prospect	Sec. 7, T. 38 S., R. 3 W.	Gold lode
99. Oregon Belle Mine	Sec. 6, T. 38 S., R. 3 W.	Gold lode
100. Sturgis Placer	Sec. 10, T. 38 S., R. 3 W.	Placer
101. Gold Coin Prospect	Sec. 3, T. 38 S., R. 3 W.	Gold lode
102. No Name	Sec. 2, T. 38 S., R. 3 W.	Gold lode
103. Boulder Channel Placer	Sec. 12, T. 38 S., R. 3 W.	Placer
104. No Name	Sec. 22, T. 38 S., R. 3 W.	Gold lode
105. Aurora Placer	Sec. 13, T. 39 S., R. 3 W.	Placer
106. Maid of the Mist Mine	Sec. 4, T. 39 S., R. 4 W.	Gold lode
107. Star Mine	Sec. 6, T. 39 S., R. 4 W.	Gold lode
108. Babcock Copper Prospect	Sec. 5, T. 39 S., R. 6 W.	Copper
109. No Name	Sec. 6, T. 39 S., R. 6 W.	Copper
110. No Name	Sec. 7, T. 39 S., R. 6 W.	Copper
111. No Name	Sec. 36, T. 39 S., R. 7 W.	Gold lode
112. Little Gem Prospect	Sec. 36, T. 39 S., R. 7 W.	Gold lode
113. Bowell Prospect	Sec. 36, T. 39 S., R. 7 W.	Gold lode
113a. California Placer	Sec. 1, T. 40 S., R. 7 W.	Gold Placer
114. Rainbow Prospect	Sec. 12, T. 40 S., R. 7 W.	Placer
115. No Name	Sec. 12, T. 40 S., R. 7 W.	Placer
116. No Name	Sec. 23, T. 40 S., R. 7 W.	Gold lode
117. No Name	Sec. 19, T. 40 S., R. 6 W.	Gold lode
118. No Name	Sec. 20, T. 40 S., R. 6 W.	Placer
119. No Name	Sec. 23, T. 40 S., R. 5 W.	Gold lode
120. Steamboat Pocket Mine	Sec. 20, T. 40 S., R. 4 W.	Gold lode
121. No Name	Sec. 20, T. 40 S., R. 4 W.	Quicksilver
122. No Name	Sec. 19, T. 40 S., R. 4 W.	Placer
123. No Name	Sec. 3, T. 40 S., R. 4 W.	Placer
124. Ray's Prospect	Sec. 2, T. 40 S., R. 4 W.	Placer
125. No Name	Sec. 2, T. 40 S., R. 4 W.	Placer
126. No Name	Sec. 33, T. 40 S., R. 4 W.	Chromite
127. Lowry Antimony Prospect	Sec. 25, T. 40 S., R. 4 W.	Antimony
128. Ripsey Ranch Placer	Sec. 8, T. 40 S., R. 3 W.	Placer
129. Red Feather Mercury Prospect	Sec. 34, T. 40 S., R. 3 W.	Quicksilver
130. Pacific States Mines Co.	Sec. 5, T. 41 S., R. 5 W.	Copper
131. No Name	Sec. 15, T. 41 S., R. 5 W.	Chromite
132. Arnold Mine	Sec. 30, T. 40 S., R. 6 W.	Gold lode
133. No Name	Sec. 7, T. 41 S., R. 6 W.	Gold lode
134. No Name	Sec. 7, T. 41 S., R. 6 W.	Gold lode

Base by U. S. Department of the Interior,  
Geological Survey, 1904-1905

TRUE NORTH  
MAGNETIC NORTH  
APPROXIMATE MEAN  
DECLINATION 1905:

1 0 1 2 3 4 Miles  
1 0 1 2 3 4 Kilometers

Contour interval 100 feet  
Datum is mean sea level.  
(Readjustment indicates that elevations on  
this map should be increased by 1 foot.)  
1940

Geology by Francis G. Wells,  
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