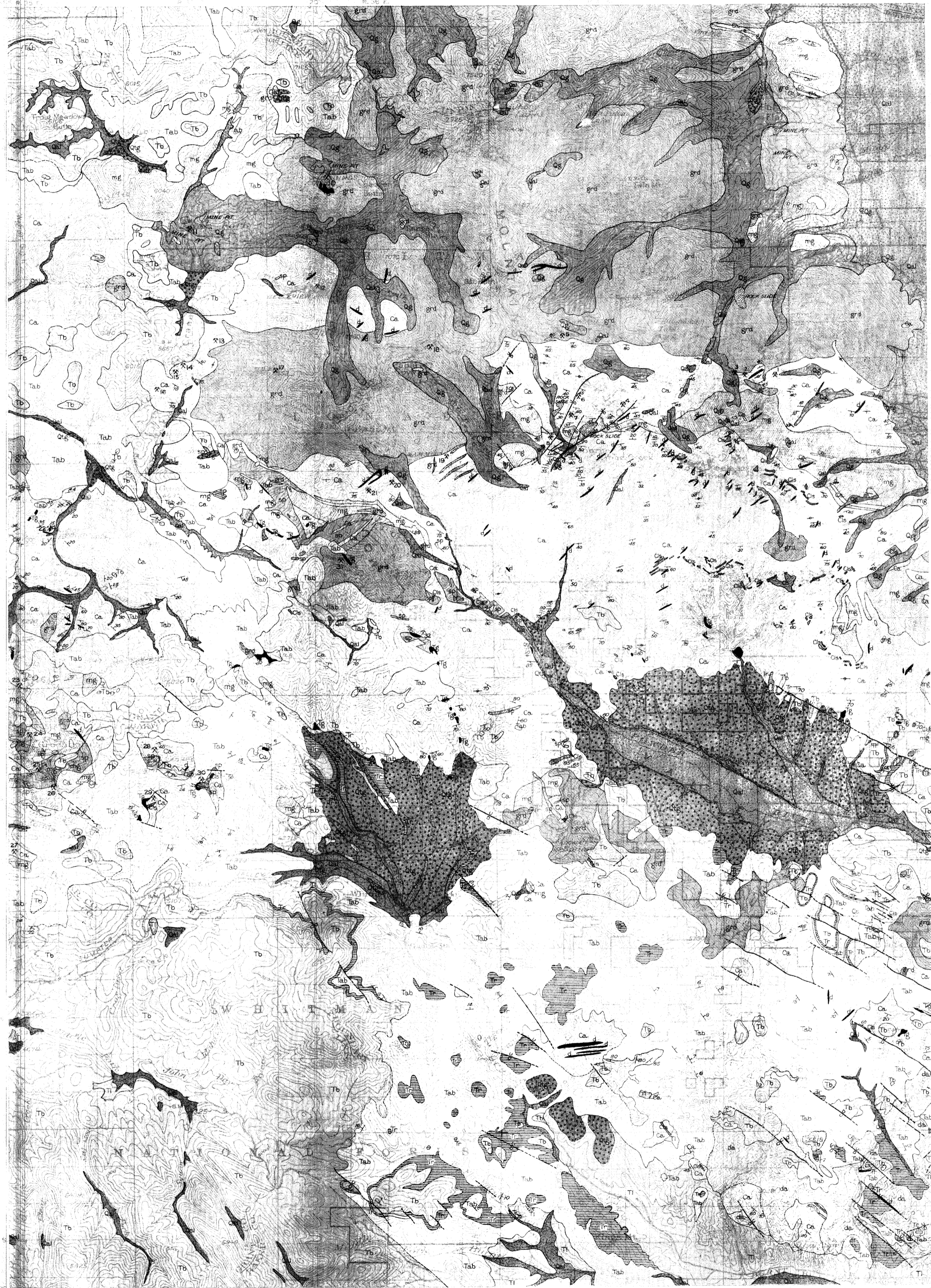


PRELIMINARY GEOLOGIC MAP  
OF THE  
SUMPTER QUADRANGLE,  
OREGON

SURVEYED BY  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

PREPARED BY  
STATE DEPARTMENT OF GEOLOGY  
AND MINERAL INDUSTRIES  
EARL K. NIXON, DIRECTOR, PORTLAND, OREGON



EXPLANATION

Quaternary

- Qal Alluvium (includes gravel, sand, and silt)
- Qgl Glacial drift
- Qgr Terrace gravel
- Tb Younger basic lavas (includes basalt, andesite, and tuff breccias)
- Tl Lake beds (includes sand, silt, and clay)
- Tr Rhyolite flows and tuffs
- Tab Andesite flows and tuff breccias
- Og Older gravel
- Cl Limestone (includes fossiliferous limestone)
- Ca Argillite series (includes metamorphic shale, sandstone, and limestone)

Tertiary

- da Diorite
- gd Granite (quartz-diorite)
- sp Dikes
- sp Serpentine and peridotite
- mg Metagabbro

Paleozoic and Mesozoic

- Fault
- Strike and dip of beds
- Vertical bed
- Mine

IGNEOUS ROCKS

PRE-TERTIARY

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PRE-TERTIARY

LIST OF MINES

Approximate location shown by position of mine symbol and corresponding number

1. Slocum, Elkhorn
2. Marvel
3. Highland
4. Burnside
5. Mountain View
6. North Pole
7. East E
8. Liberty
9. Oregon
10. French Diggins
11. North Fork
12. La Belleview
13. Buffalo-Monster
14. Magnolia
15. Independence
16. Copper
17. Monument
18. Imperial, California and Last Chance
19. Murreth and Bill's of Baker
20. Bald Mountain
21. Lee
22. Red Bay
23. Slide Gate
24. X L
25. Sun Lake and Phoenix
26. Golden Eagle
27. Green Lake and Gold Bullion
28. Quaker
29. Takevius
30. Windomine
31. Currier
32. Weaver
33. Flower-Pine Dredge

Map by U. S. Department of the Interior,  
Geological Survey, 1899-1900.  
Revised in part, 1914.



Contour interval 100 feet.  
Datum is mean sea level.  
(Readjustment indicates that elevations on  
this map should be increased 5 feet)  
1941

Geology by J. T. Pardee,  
E. F. Hewitt, T. H. Rosenkrantz,  
E. J. Katz, F. C. Collins.