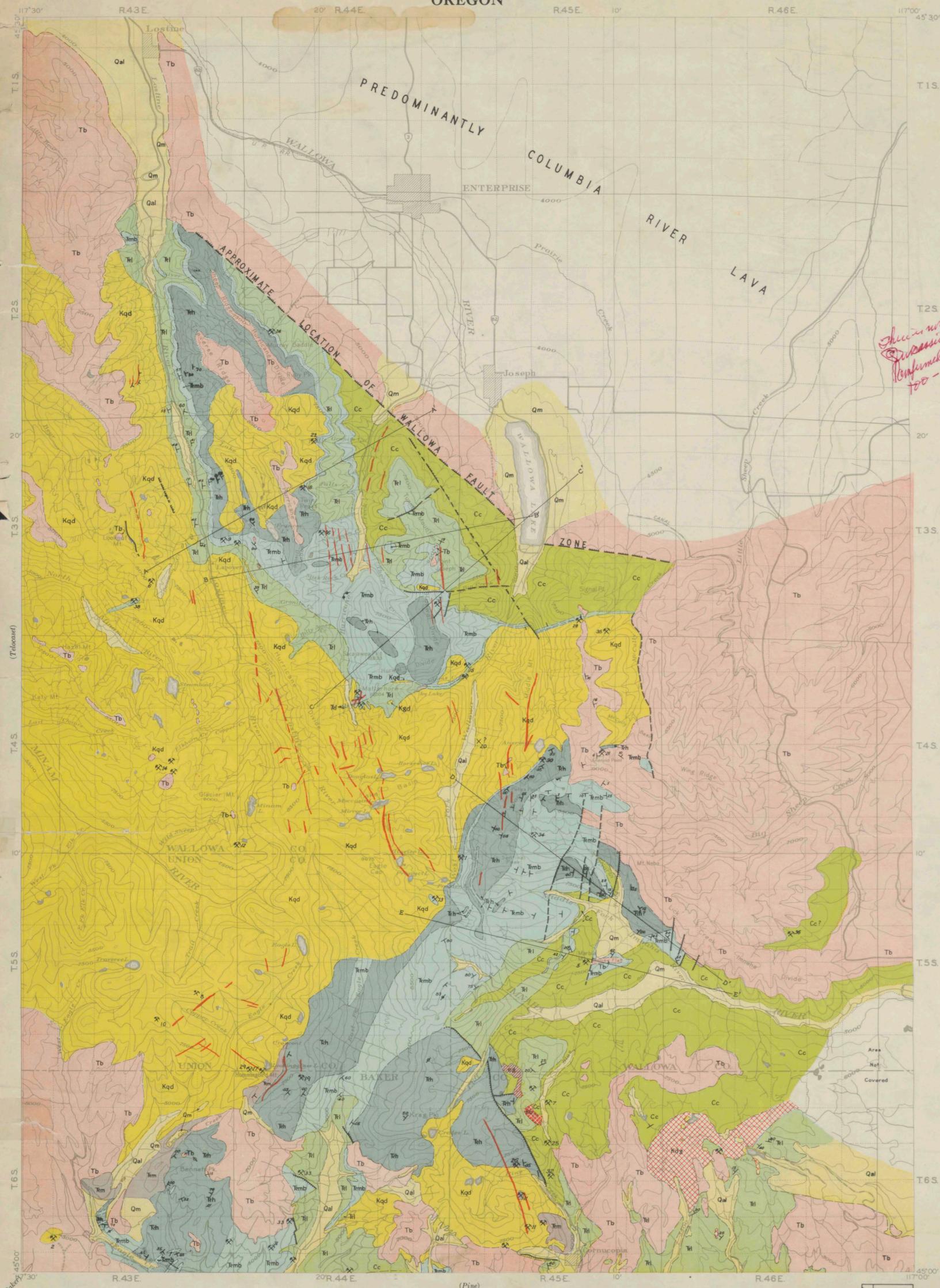


RECONNAISSANCE GEOLOGIC MAP OF THE WALLOWA LAKE QUADRANGLE OREGON

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

TO ACCOMPANY BULLETIN No. 13
"GEOLOGY AND PHYSIOGRAPHY OF THE
NORTHERN WALLOWA MOUNTAINS" BY
WARREN D. SMITH, JOHN ELIOT ALLEN
AND OTHERS.



EXPLANATION (in part after Ross, 1938)

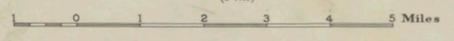
Pleistocene and Recent	Qal Qm	QUATERNARY
	Alluvial and glacial deposits (Unconsolidated gravel and sand, and moraine material)	
	UNCONFORMITY	
Miocene	Tb	TERTIARY
	Columbia River basalt (Principally basalt flows and feeder dikes. May also include a few lamprophyric dikes)	
	UNCONFORMITY	
Intrusives	Kqd Kp	CRETACEOUS (?)
	Quartz diorite and granodiorite (Includes massive masses of quartz diorite and granodiorite with numerous variations in composition)	
	Oligoclase bostonite (Dark bluish-gray aphanitic rock with small feldspar phenocrysts)	
	UNCONFORMITY	
Upper Permian	Th Rm	MESOZOIC
	Hural formation (Includes "Younger Mesozoic sedimentary rocks" and "Triassic (?) igneous rocks" of Ross, 1938. Mostly shales, black and gray slates, and micaceous and quartzitic sandstones, altered to talcs, hornfels, schists, quartzites and gneiss. Fossiliferous)	
	Metamorphic facies	
	UNCONFORMITY	
Middle Permian (in part at least)	Rmb	UPPER TRIASSIC
	Martin Bridge formation (Crystalline limestone, minor amounts of calcareous shale, and some conglomerate. Fossiliferous)	
	UNCONFORMITY	
	Lower sedimentary series (Includes "Carboniferous (?) sedimentary series" of Ross, 1938, south of the Tanaha River. Shales, sandstones, with minor amounts of limestone and conglomerate; mostly altered to slates, hornfels, schist, and crystalline limestone. Fossiliferous on Point Joseph. Epidote-garnet rock probably in contact with these)	
	Epidote-garnet rock	
	UNCONFORMITY DOUBTFUL	
Permian	Cc	CARBONIFEROUS PALEOZOIC
	Clover Creek greenstone (Green, gray, and purple metamorphosed lavas and pyroclastic rocks, principally andesite, with some interbedded sediments and limestone lenses)	

There is no Permian here too

- Contact
- Contact inferred
- Attitude of beds
vertical
horizontal
- Fault (showing downthrow side)
- Fault inferred or approximately located
- Mines and Prospects
(Numbers refer to alphabetical list of mines and numbers given in text.)

- ### MINES AND PROSPECTS (Described in text)
1. Andy Heaven's Prospect Sec. 6, T. 5 S., R. 45 E.
 2. Basin Mine NW 1/4 sec. 29, T. 6 S., R. 43 E.
 3. B. C. Basin Prospect NW 1/4 sec. 26, T. 5 S., R. 44 E.
 5. Bone Flat Prospect Center south line of SE 1/4 sec. 15, T. 5 S., R. 45 E.
 6. Bowman Creek Prospect Just N. of center of sec. 27, T. 3 S., R. 43 E.
 7. Camahan Mine SE 1/4 sec. 4, T. 6 S., R. 45 E.
 8. Cotton Claim SE 1/4 sec. 22, T. 5 S., R. 43 E.
 9. "Contact Group (also known as Iron Dyke, Peacock, White Eagle, Dr. Scott Claim) Sec. 4, T. 5 S., R. 43 E.
 10. Copper Creek (Dutton) Prospects Sec. 27, T. 5 S., R. 43 E.
 11. Cornucopia Mountain Claims Mostly in sec. 21, 27 and 28, T. 6 S., R. 45 E.
 12. Cornucopia See Fisk, Cornucopia Group, Last Chance, Red Jacket, Forest Queen, Mayflower, Mountain Chief, Queen of the West, Red Boy, White Elephant
 13. Donnelly Prospect (Blue Lake Mine) SE cor. sec. 36, T. 4 S., R. 43 E.
 14. "Frazier Prospect (Golden Cat, Sunset, etc.) Center NW 1/4 sec. 12, T. 5 S., R. 44 E.
 15. Great Northern Prospects (Three prospects) E 1/2 sec. 22 and W 1/2 of sec. 23, T. 4 S., R. 43 E.
 16. "Green Group (formerly known as Green Group, Copper Glen, Mountain Glen, etc. and Copper Knob) SE 1/4 sec. 9 and NW 1/4 sec. 7, T. 4 S., R. 45 E.
 17. Gyllenberg's Prospect (Heda, Consolidated) NW 1/4 sec. 21, T. 3 S., R. 44 E.
 18. Hummingbird Mountain (Veach) Prospect NE corner sec. 6, T. 6 S., R. 44 E.
 19. "Lafayette Prospect SE 1/4 sec. 8, T. 3 S., R. 44 E.
 20. Love and Kelly Prospect NE 1/4 sec. 5, T. 6 S., R. 44 E.
 21. Manuel Lopez Prospect Sec. 18 or 19, T. 4 S., R. 45 E.
 22. McCully Basin Prospect NW 1/4 sec. 23, T. 4 S., R. 45 E.
 23. Metzger Property Sec. 5, T. 3 S., R. 44 E.
 24. "Northwest Lime Co. (formerly Black Marble & Lime Co.) SE 1/4 sec. 19, T. 2 S., R. 44 E.
 25. Norway SE 1/4 sec. 9, T. 6 S., R. 45 E.
 26. Red Mountain SE 1/4 sec. 17, T. 6 S., R. 45 E.
 27. Royal Purple Prospect Center of W 1/2 sec. 34, T. 3 S., R. 45 E.
 28. Schwimer and Landis Prospect NW 1/4 sec. 6, T. 6 S., R. 44 E.
 29. "Sieber Prospect (Walla Walla Group) Center sec. 21, T. 4 S., R. 45 E.
 30. Sheep Rock Mine (also known as HACCee property) SE 1/4 sec. 30, T. 6 S., R. 44 E.
 31. Simons Mine SE 1/4 sec. 16, T. 6 S., R. 45 E.
 32. Summit Mining Co. (includes Woodard and Durham Mine Groups and Apex, Midway, Woodrow and Zenith claims) Sec. 17, 20, and NW 1/4 sec. 29, T. 6 S., R. 44 E.
 33. "Tenderfoot" Mine Near center sec. 33, T. 4 S., R. 45 E.
 34. Transvaal Prospect SW corner sec. 35, T. 3 S., R. 45 E.
 35. Wallowa County Mining & Development Co. (William "Mine") NE 1/4 sec. 15, T. 5 S., R. 46 E.
 36. "Wilnot Group (Matterhorn Group) SW 1/4 sec. 10, T. 4 S., R. 44 E.
 37. "Wilson" Mine NW 1/4 sec. 33, T. 3 S., R. 43 E.

Base after United States Forest Service
Forest Atlas, Wallowa and Minam Folio Sheets,
Surveyed 1912-1917.



Contour interval 500 feet
Datum is mean sea level

1941

I Geology by Warren D. Smith,
John Eliot Allen, Ray C. Treasher,
Wayne Lowell, Lloyd L. Ruff,
1938-1939
II Geology by Clyde P. Ross, 1938
III Geology by E. T. Hodge, 1938
IV Geology inferred or incomplete.

