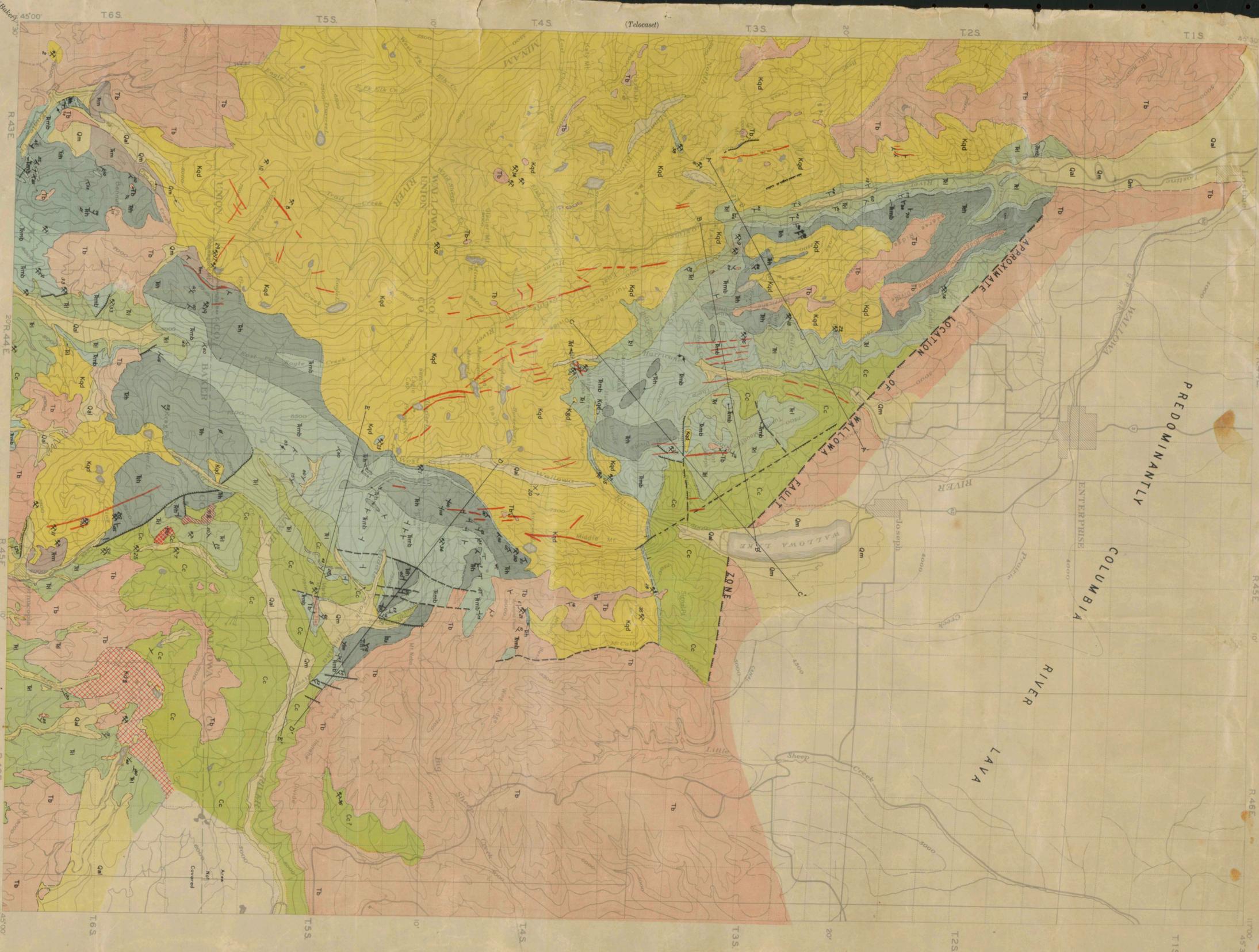


RECONNAISSANCE GEOLOGIC MAP OF THE WALLOWA LAKE QUADRANGLE OREGON

TO ACCOMPANY BULLETIN No. 15
"GEOLOGY AND PHYSIOGRAPHY OF THE
NORTHERN WALLOWA MOUNTAINS" BY
WARREN D. SMITH, JOHN ELIOT ALLEN
AND OTHERS.



EXPLANATION (in part after Ross, 1933)

Geologic Period	Unit	Description
QUATERNARY	Qd Om	Alluvial and glacial deposits (Unconsolidated gravel and sand, and worked material)
	Tb	Columbia River basalt (Principal basalt flows and other flows. Also include UNCONFORMABILITY)
TERTIARY	Kb	Oligocene basaltic (Dark basaltic agglomerate rock with small (clayey) nodules)
	Kd	Quartz diorite and granodiorite (Dark gray to black, medium to coarse grained, with numerous inclusions of quartz)
CRETACEOUS (?)	Kdd	Diorite-gabbro complex
	Rm	Metamorphic facies (Includes "young" Mesozoic schists, gneisses, and amphibolites. Also includes metamorphic facies of quartzite, schists, gneisses and mica schists. Facies known to be typical of the Franciscan Complex)
UPPER TRIASSIC	Rmb	Martin Bridge formation (Granulite facies, micaceous, and some conglomeratic. Facies known to be typical of the Franciscan Complex)
	Rl	Lower sedimentary series (Includes the lower part of the Martin Bridge formation. Also includes the lower part of the Martin Bridge formation. Facies known to be typical of the Franciscan Complex)
MIDDLE TRIASSIC	Cc	Clover Creek granodiorite (Granite, quartz, and mica monzonitic granodiorite, principally orthoclase, with some interbedded schists and lenses of mica)
	Permian	Middle Karni (in part at least)

- MINES AND PROSPECTS**
(Checked in box)
- 1. Andy Heister's Prospect: Sec. 6, T. 15 S., R. 45 E.
 - 2. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 3. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 4. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 5. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 6. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 7. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 8. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 9. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 10. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 11. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 12. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 13. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 14. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 15. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 16. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 17. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 18. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 19. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 20. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 21. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 22. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 23. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 24. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 25. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
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 - 27. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 28. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 29. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 30. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 31. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 32. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 33. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 34. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 35. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 36. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 37. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.
 - 38. B. C. Dean Prospect: NW 1/4 sec. 24, T. 15 S., R. 45 E.

Geology by Warren D. Smith, John Eliot Allen, Ray C. Treasher, Wayne Joseph, and Carl L. Ruff.

Geology by Clyde P. Ross, 1933.

Geology by E. T. Hedges, 1938.

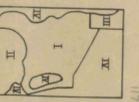
Geology inferred or incomplete.

Scale: 1 inch = 1 mile

Contour interval: 300 feet

Datum: mean sea level

1941



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