

RECONNAISSANCE GEOLOGIC MAP

OF THE WALLOWA LAKE QUADRANGLE

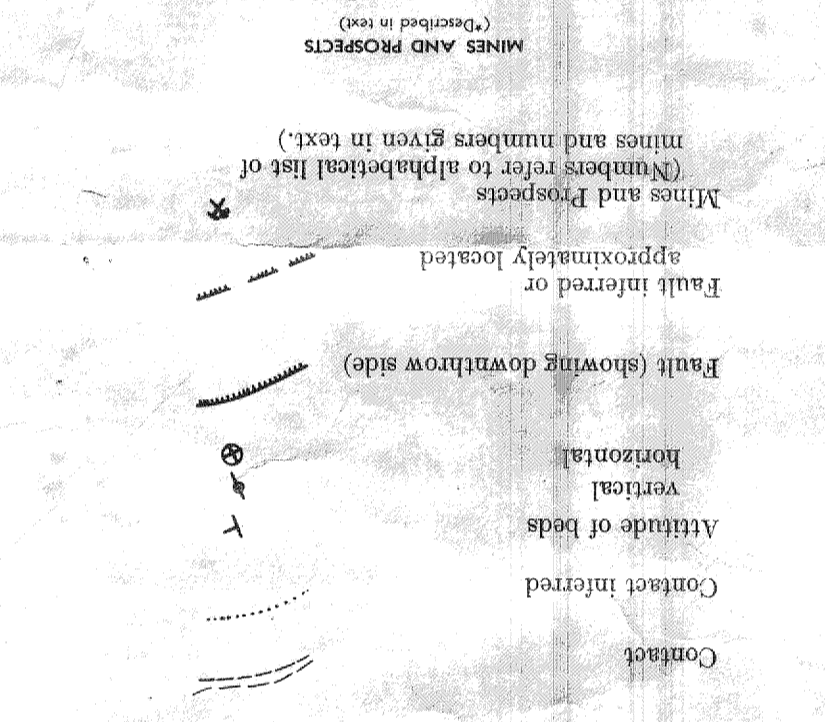
OREGON

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

TO ACCOMPANY BULLETIN No. 12
GEOLOGY AND PHYSIOGRAPHY OF THE
NORTHERN WALLOWA MOUNTAINS, BY
WARREN D. SMITH, JOHN ELLIOT ALLEN,
AND OTHERS.

EXPLANATION
(in part after Ross, 1938)

QUATERNARY	Qd Qm	Alluvial and glacial deposits (Unconsolidated gravel and sand, and moraine material)
	Tb	Columbia River basalt (Eruptive basalt flows and feeder dikes. May also include UNCONFORMITY)
TERTIARY		
MESOZOIC	Ks1	Quartz diorite and Oligoclase hornstone (Some intergrading granitic rocks with small felsic inclusions)
	Kg3	Diorite-gabbro complex
	Rm	Metamorphic talus (Includes "Porphyritic schistose igneous rocks" and "Talus" (?) and massive and quartzite masses. May also include shales, quartzites and gneiss. Fossiliferous)
	Rmb	Martha Bridge formation (Crystalline limestone, shales, and argillaceous shales, and some conglomerate. Fossiliferous)
UPPER TRIASSIC	R1	Lower sedimentary series Epilite-garnet rock
		UNCONFORMITY
MIDDLE TRIASSIC		
PALEOZOIC	Cc	Clower Creek greenstone (Green, gray, and purple metamorphosed limestones and tuffaceous rocks, principally mafic, with some interbedded sedimentary and igneous rocks)
		UNCONFORMITY DOUBTFUL



1. Geology by Warren D. Smith, John Elliot Allen, Ray C. Treacher, Wayne Lowell, Lloyd L. Ruff, 1938-1939
- II Geology by Clyde P. Ross, 1938
- III Geology by E. T. Hodges, 1938
- IV Geology inferred or unclassified



1941
Contour interval 500 feet
Datum is mean sea level

APPROXIMATE MEAN
DECLINATION 1937
MAGNETIC NORTH
TRUE NORTH

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