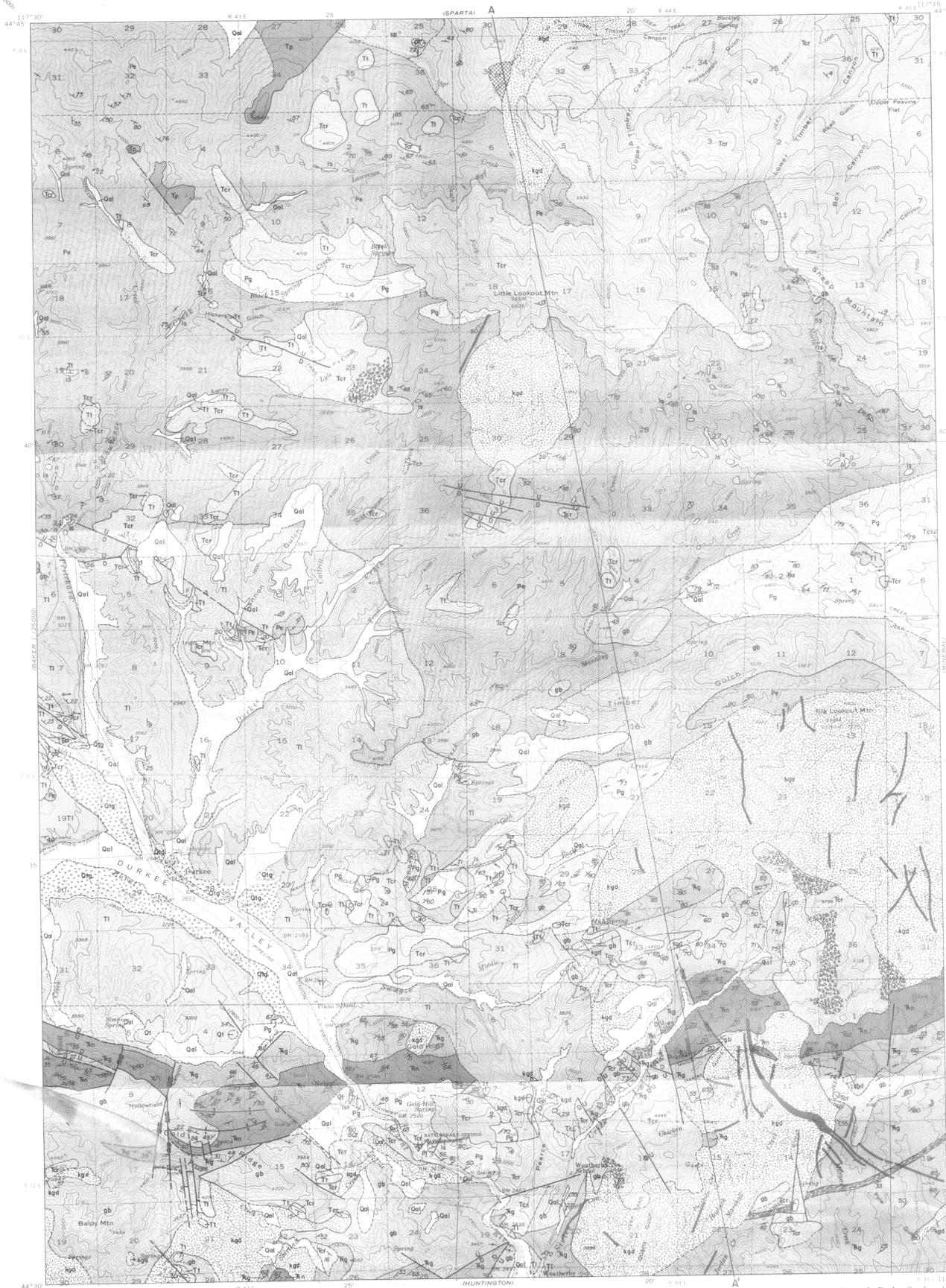


Geologic Map
of the
DURKEE QUADRANGLE
Oregon

SCALE 1:62,500

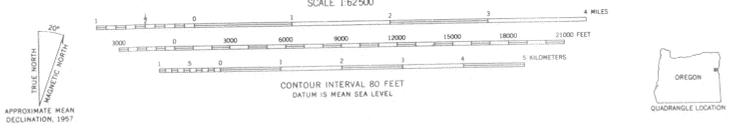
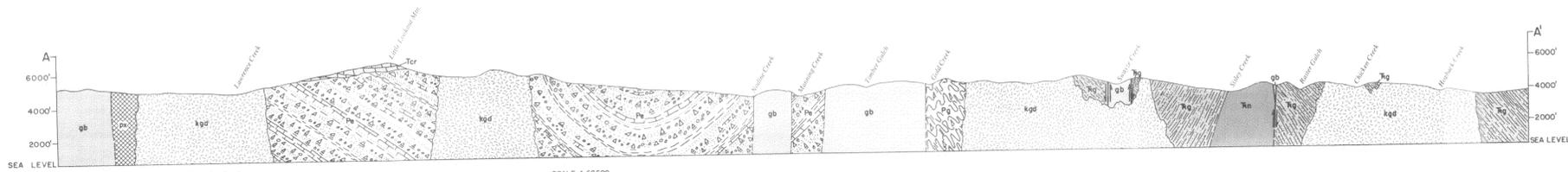


Geology by Harold J. Prostka

Based upon the Durkee Quadrangle
topographic map issued by the
U.S. Geologic Survey, 1957

EXPLANATION	
BEDDED ROCKS	INTRUSIVE ROCKS
PLEISTOCENE AND RECENT	
Qal Alluvium and Colluvium <i>Includes alluvium in present valleys, colluvium, alluvial fan deposits, and older alluvium on former erosion surfaces.</i>	
Tt Terrace Deposits <i>Terraces of sand and gravel along the Burnt River.</i>	
Ql Travertine <i>Travertine interbedded with alluvium.</i>	
UNCONFORMITY	
UPPER MIOCENE - LOWER PLEISTOCENE	
Tl Lake and Stream Sediments <i>Light-colored, poorly consolidated sand and silt with minor conglomerate; contains variable amounts of rhyolitic ash, pumice, and diatomite.</i>	
Tf Welded Tuff <i>A thin, resistant flow of welded tuff that underlies and is locally interbedded with lake and stream sediments.</i>	
Tp Platy Basalt <i>Minor flows of platy-panted olivine basalts erupted from central vents, and associated scoria and pumice.</i>	
Tc Columbia River Basalt <i>Flows of olivine-basalt erupted from fissures, and basaltic agglomerate which locally underlies the basalt.</i>	
UNCONFORMITY	
UPPER JURASSIC - LOWER CRETACEOUS	
Qg Quartz Diorite <i>Stocks of quartz diorite and minor granodiorite and trondhjemite, mainly coarse-grained but fine-grained near some margins. Locally there are abundant apatite dikes.</i>	
UPPER TRIASSIC ?	
Tg Black slate Gray Phyllite <i>Gray phyllite with lesser amounts of black slate (mapped separately), sandstone, and limestone.</i>	
Tn Nelson Marble <i>Massive and thin-bedded marble with interbedded calcareous phyllite.</i>	
UNCONFORMITY	
LOWER TRIASSIC ?	
Sp Serpentine <i>Black-black serpentine schist locally containing fresh peridotite.</i>	
Pd Peridotite <i>Dark gray to greenish coarse-grained peridotite with minor diorite and pyroxene. Locally it is altered to talc-tremolite schist.</i>	
Gb Gabbro and Meta-gabbro <i>Dark, coarse-grained, monitic gabbro that is locally banded. In the northern part of the area much of it is sliced or partially recrystallized to chlorite schist. Near the late Mesozoic stocks it is banded to hornblende.</i>	
PERMIAN ?	
Pe Limestone Elkhorn Ridge Argillite <i>Highly contorted chert, argillite, and tuff with minor conglomerate, and pod-like bodies of limestone which are mapped separately.</i>	
Pg Limestone "greenschist" <i>Green and grayish green chlorite and talc schists with minor serpentine schist, phyllite, chert, and pod-like bodies of limestone (mapped separately).</i>	
Contact <i>Dashed where approximately located, dotted where concealed.</i>	Anticlinal axis <i>Showing trace of axial plane and bearing and plunge of axis.</i>
Fault <i>Dashed where approximately located, U, upthrown side; D, downthrown side.</i>	Synclinal axis <i>Showing trace of axial plane and bearing and plunge of axis.</i>
Bedding <i>Strike and dip of beds</i>	Lamination <i>Bearing and plunge of lineation.</i>
Vertical beds <i>Strike of vertical beds</i>	Foliation <i>Strike and dip of foliation</i>
Vertical foliation <i>Strike of vertical foliation</i>	Vertical lineation <i>Strike of vertical lineation</i>

Generalized Geologic Section



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