

GEOLOGIC MAP OF THE CONNOR CREEK AREA BAKER COUNTY, OREGON

PLATE 1

EXPLANATION

BEDDED ROCKS

Qal: ALLUVIUM. Sand, silt, and gravel deposited in present valleys and on Snake River terraces.

Qls: LANDSLIDES. Landslides and slump blocks. Major rock types indicated in parentheses where appropriate.

Tcr: COLUMBIA RIVER BASALT. Columnar-jointed basalt flows commonly porphyritic and diktytaxitic.
Ttb: TUFF-BRECCIA. Pebble to cobble size fragments of volcanic glass, basalt, and pre-Tertiary rock within a tuffaceous matrix. Incorporates chilled portions of underlying basalt flow. Locally fossil plant material found. Three to five feet of very thin to thin-bedded sandstone tops this unit.

Jmg: METAGRAYWACKE. Incipiently metamorphosed laminated to very thick-bedded graywacke and slate. Contains intraformational conglomerates and minor carbonaceous slate. Slaty cleavage prominent.

Ppq: PHYLLITIC QUARTZITE. Highly contorted very thin-bedded chert separated by micaceous partings. Grades into quartz phyllite. Probable correlative to the Ekhorn Ridge Argillite.
Pn: NILSON MARBLE. Laminated to massive marble, partly schistose, interbedded and deformed with Ppq. Bleached and silicified at Kqd contact.
Pmq: MICROQUARTZITE. Thin-bedded chert lacking micaceous partings. Locally brecciated.
Is: MARBLE. Pods of marble within Ppq distinct from Pn.

INTRUSIVE ROCKS

Tbd: BASALT DIKES. Probable feeder dikes for Tcr. Aphanitic to fine-grained and felty.
Tbs: BASALT SILL. Sill of porphyritic basalt intruding Tcr and Ttb.

Kqd: QUARTZ DIORITE. Stock consisting primarily of medium-grained quartz diorite with distinctive coarse biotite. Gabbro and hornblende diorite found along contact zone in sec. 29 and sec. 32, T. 11 S., R. 45 E. Cut by aplite dikes and contains xenoliths of amphibolite and Ppq.

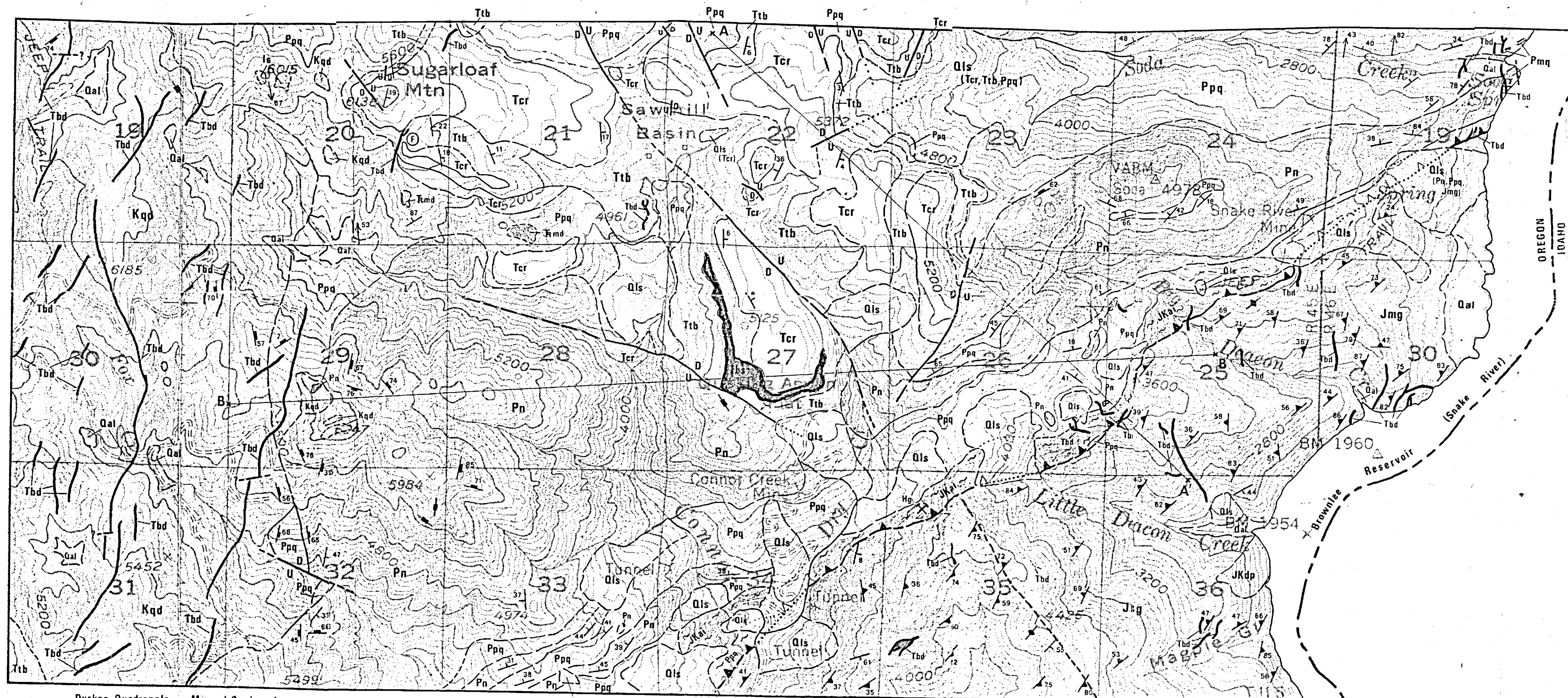
JKdp: DIORITE PORPHYRY. Plug consisting of medium to coarse-grained andesine and hornblende phenocrysts within a microgranular matrix.

JKai: ALPINE-TYPE INTRUSION. Intensely sheared, carbonatized, and steatitized serpentinite containing pods of chromite and inclusions of andesite and diorite. Locally veined with quartz and brecciated. Cinnabar mineralization localized in this unit. JK indicates age of tectonic emplacement.

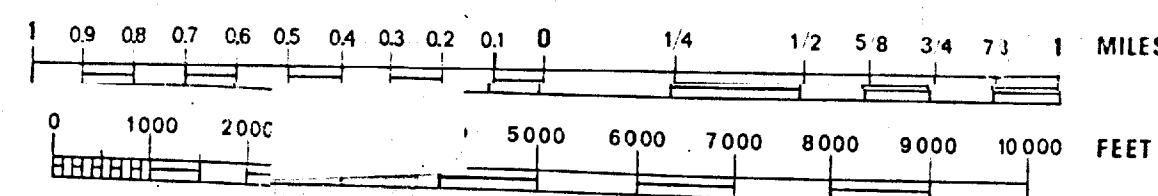
Rmd: METADIORITE. Plugs of diorite metamorphosed to greenschist facies. Probable members of the Canyon Mountain Magma Series.

SYMBOLS

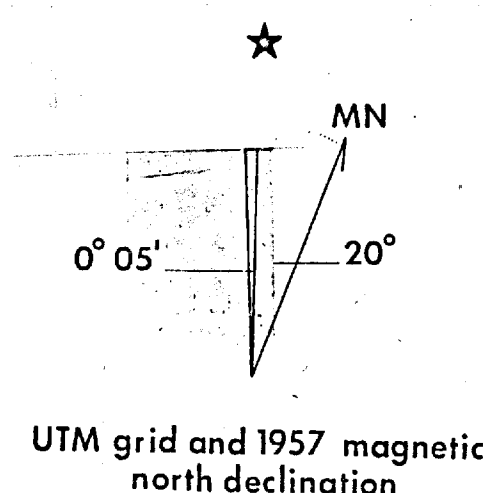
Contacts:		Normal Faults:	U
Approximate:	---	Approximate:	D
Inferred:	---	Inferred:	---
Concealed:	---	Concealed:	---
Reverse Fault:	▲▲▲▲▲	(U, upthrown side; D, downthrown side)	
(Sawteeth on upthrown side)			
Strike and dip of bedding:	21°	Strike of vertical bedding:	+
Strike and dip of slaty cleavage:	72°	Strike of vertical slaty cleavage:	+
Strike and dip of jointing:	87°	Strike of vertical jointing:	+
Trend and plunge of fold axis:	65°	Zone of shearing:	~
Mercury prospect:	Hg	Fossil locality:	F



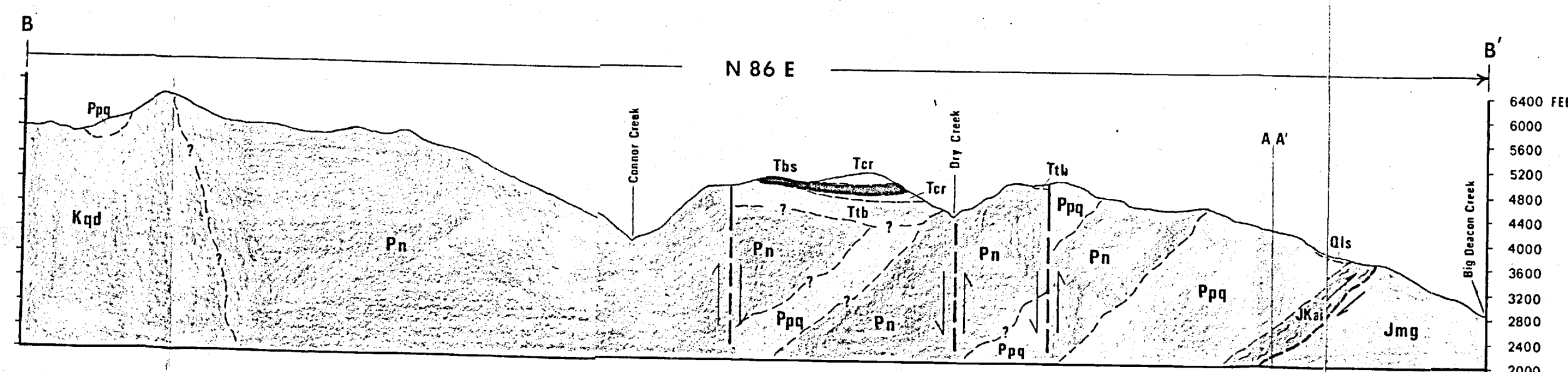
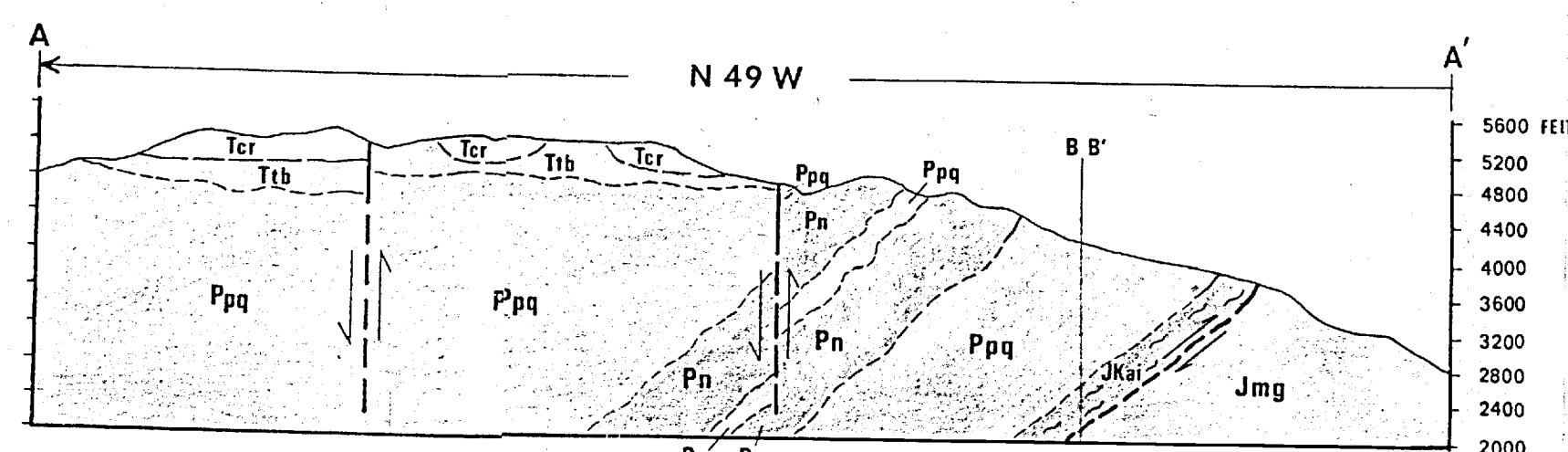
Topographic map based upon
U.S. Geological Survey 15 minute
Durkee and Mineral Quadrangles, 1957



CONTOUR INTERVAL 80 FEET
datum is mean sea level



GENERALIZED GEOLOGIC SECTIONS



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FIELD WORK:
SUMMER, 1972

