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MISCELLANEOUS FIELD STUDIES MAP MF-481

Mw WEBB FORMATION (LOWER MISSISSIPPIAN) --- Gray siliceous mudstone; black to gray, tan weathering, dense limestone in lenses near top. 0-800 feet thick. Mo ARGILLITE OF LEE CANYON (MISSISSIPPIAN)—Black

siliceous argillite and a little black chert. 5,000+ feet taick.

UPPER PLATE OF ROBERTS MOUNTAINS THRUST

Siliceous assemblage

Dw WOODRUFF FORMATION (UPPER TO LOWER DEVONIAN) ---Dark-gray to black siliceous mudstone and chert; lesser amounts of shale, siltstone, dolomitic siltstone, dolomite, and limestone. 3,000-6,000(?) feet thick.

Sc | CHERT AND SILTSTONE (MIDDLE OR LOWER SILURIAN)-Gray, tan, brown, and green chert and lesser amounts of siltstone. A few hundred feet

Ovo VALMY FORMATION (MIDDLE ORDOVICIAN) -Shale, quartzite, and greenstone. 150+ feet thick.

Ov VININI FORMATION (UPPER TO LOWER ORDOVICIAN)-Dominantly black chert, and shale and mudstone. Several thousand feet thick.

Transitional assemblage

LIMESTONE AND CHERT (UPPER? AND MIDDLE DEVONIAN) -Gray limestone, sandy limestone, chert, and chert-pebble conglomerate. A few hundred feet thick.

Drm ROBERTS MOUNTAINS FORMATION (LOWER DEVONIAN) -- Black shaly and platy carbonaceous silty dolomite and dolomitic marl. 300+ feet thick in thrust slice.

Oc CLAYSTONE, SHALE, AND LIMESTONE (UPPER TO LOWER ORDOVICIAN) -- Claystone, shale, sandy limestone and chert, limestone, and quartzite. 1,600+ feet thick.

LOWER PLATE OF ROBERTS MOUNTAINS THRUST

Carbonate assemblage

Ddg DEVILS GATE LIMESTONE (UPPER AND MIDDLE DEVON-IAN) - Medium- to thick-bedded, light- and dark-gray limestone. 940+ feet thick.

NEVADA FORMATION (MIDDLE AND LOWER DEVONIAN):

Upper dolomite member-Brown and gray dolomite in alternating layers. 845-2,065 feet thick.

Oxyoke Canyon Sandstone Member-Quartzite and sandstone containing variable amounts of dolomite. 0-600 feet thick.

Beacon Peak Dolomite Member - Thin- to thickbedded, gray to brown dolomite; peculiar grainy appearing texture and thin red stylolites are characteristic. 675 feet thick.

SIM LONE MOUNTAIN DOLOMITE (DEVONIAN? AND UPPER AND MIDDLE SILURIAN) -- Thick-bedded gray dolomite. 1,400+ feet thick.

Ohc HANSON CREEK FORMATION (UPPER? AND MIDDLE ORDO-VICIAN) - Thin- to thick-bedded black and

gray dolomite. 130 feet thick. Oe | EUREKA QUARTZITE (MIDDLE ORDOVICIAN)---Thickbedded to obscurely thin-bedded white quart-

zite. 70 feet thick. Op POGONIP GROUP (MIDDLE ORDOVICIAN) --- Mostly thin-

bedded gray dolomite, some thick-bedded; interbeds of shale in upper part. 350 feet thick.

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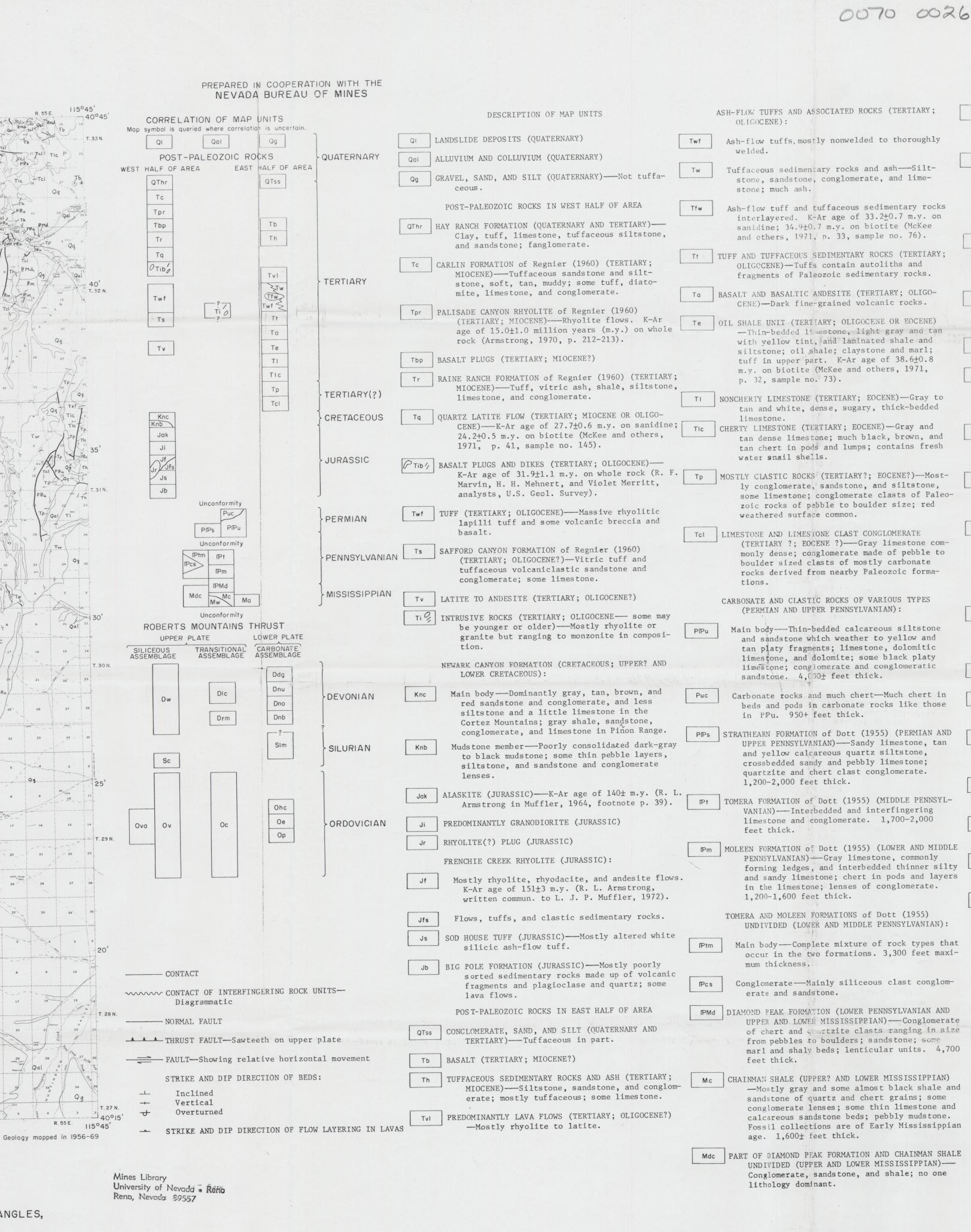
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For sale by U.S. Geological Survey, price 50 cents

Eurela County Gen Item 30



APPROXIMATE MEAN DECLINATION, 1956 GENERALIZED GEOLOGIC MAP OF THE CARLIN, DIXIE FLATS, PINE VALLEY, AND ROBINSON MOUNTAIN QUADRANGLES, ELKO AND EUREKA COUNTIES, NEVADA J. Fred Smith, Jr., and Keith B. Ketner

SCALE 1:125 000

AREA OF REPORT

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116°15'

Base from U.S. Geological Survey 1:62,500,

Carlin, Dixie Flats, and Pine Valley, 1952;

Robinson Mountain, 1956