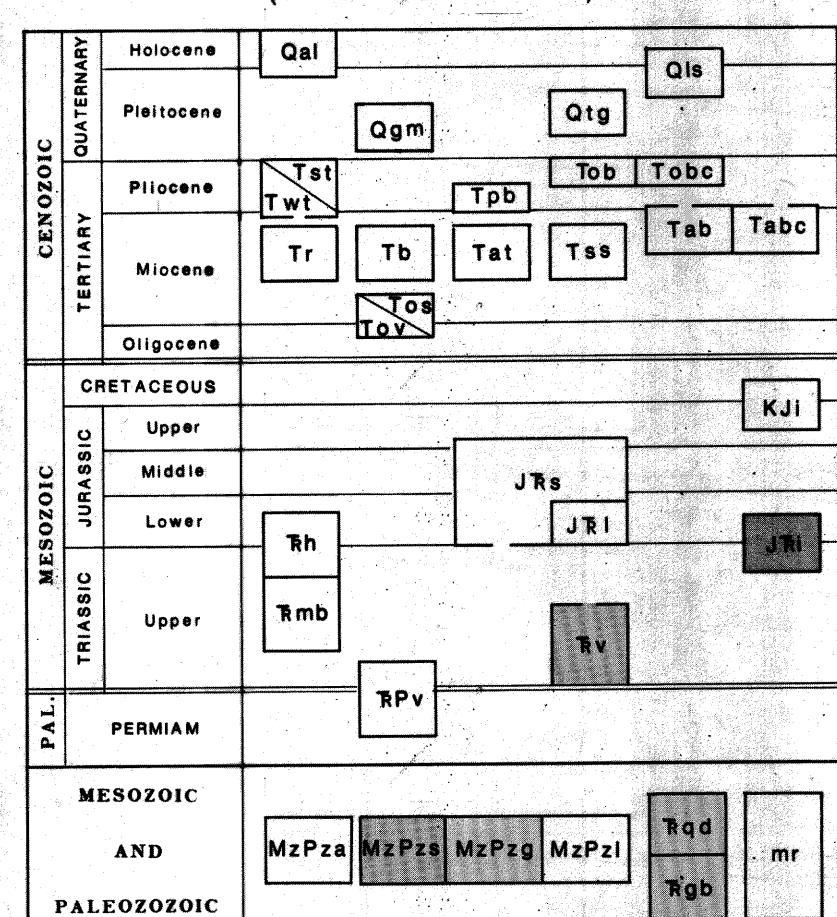


GEOLOGIC MAP OF THE BAKER 1' x 2' QUADRANGLE WEST OF SNAKE RIVER



CHRONOLITHOGRAPH (TIME ROCK CHART)



EXPLANATION

- Qal** Alluvium: Mainly valley fill and stream channel deposits consisting of unconsolidated silt, sand, and gravel.
- Qls** Landslide debris.
- Qig** Terrace and fan deposits: Unconsolidated gravel, cobbles, and boulders with interbedded silt, sand, and gravel.
- Qgm** Glaciofluvial deposits: Unsorted bouldery gravel, sand, and silt of terminal and lateral moraines.
- Tob** Basalt: Mostly thin, mostly dipping flows of gray to black olivine-bearing basalt and basaltic andesite.
- Tst** Small mafic volcanic centers: probably the source of (Tob) flows.
- Tsd** Tuffaceous sedimentary rocks: Poorly consolidated, water-laid silty volcanic ash, tuffaceous clay, siltstone, sandstone, minor dolomite, mud flow deposits, etc., and ash flow tuffs, and some more granitic andesite. Chiefly localities except in the northern part of the map area where the upper part of the sequence includes greenish fluvial deposits.
- Tpb** Basalt: Thin basalt flows and small eruptive centers. Locally contains andesite tuff of unit (Twt) and some sedimentary rocks of unit (Tst).
- Twt** Siltstone and sandstone: Some tuffaceous sedimentary rocks included.
- Tat** Andesite and basalt: Flat-jointed flows of hypersthene andesite and basalt. The unit is exposed only in the northern part of the map area. Stratigraphic relations are uncertain.
- Tas** Mafic shield volcano: probably the source of (Tob) flows.
- Jrs** Tuffaceous sedimentary rocks: Semi-consolidated to well-consolidated, bedded, fine-grained tuffaceous andesite and sandstone tuff; lower amounts of arkosic sandstone and siltstone, lower dolomite, porphyritic and andesitic.
- Tr** Ash flow tuffs and tuffaceous sedimentary rocks: Partly to dominantly welded ash flow tuff. Includes some non-welded tuff and tuffaceous sedimentary rocks.
- Tb** Basalt and andesite: Chiefly flow on flow basalt. Includes some andesite flows basaltic and andesitic flow breccia, andesitic tuff and breccia, and minor silty tuff and tuffaceous sedimentary rocks. In southern part of area includes some silty flows at top of section.
- Tr** Rhyolite and andesite: Rhyolite and subordinate andesite flows, flow breccia, welded and non-welded tuff, tuff breccia and small intrusive masses, commonly flow breccia and locally pyroclastic. Includes part of Rocky Rhyolite flow of Gibby (1937).
- Tos** Volcaniclastic sedimentary rocks: Poorly sorted andesite and dacite pebble and boulder conglomerate, breccia and underlain tuff.
- Tov** Andesite and dacite: Flow, breccia, tuff, and intrusive rocks consisting of porphyritic hornblende andesite and dacite.
- Jrl** Limestone: Massive and thin bedded limestone. Minor quartz, siltstone and arkosic sandstone.
- Jrs** Sedimentary rocks: Volcanic tuff and siltstone. Some conglomeratic sandstone and thin limestone.
- Rh** Sedimentary rocks: Grayish and laminated siltstone; minor chert, thin bedded limestone and conglomerate. Mapped as Huron Formation by Probst (1962).
- Rmb** Limestone: Massive conglomeratic and coralline limestone interbedded with thin bedded pyritic and carbonaceous limestone and calcareous shale. Named Huron Formation by Rose (1938).
- Rv** Volcanic and sedimentary rocks: Lava flows, flow breccia conglomerate, tuff, andesitic conglomerate, andesite, andesite, and siltstone. Chiefly andesite; some basaltic and rhyolite rocks. Minor limestone.
- mr** Mixed sedimentary, volcanic and intrusive rocks: Windows and fault slices of older rocks in (Qig) flows. Includes rocks typical of unit (Qal). (Merrill and MPPA).
- RPV** Volcanic and sedimentary rocks: Lava flows, flow breccia, and conglomeratic pyroclastic rocks, subordinate andesite conglomerate, sandstone, and siltstone; minor chert and limestone. Volcanic rocks include rhyolite and basalt. Includes Clover Creek Greenstone of Gibby (1937).
- MzPza** Volcanic and sedimentary rocks and marble: Includes Burnt River Schist of Gibby (1937). Phyllosilicates, quartz, garnet, and other minerals. Includes conglomeratic and marble (MzPsa). Mostly greenstone and granodiorite (MzPsa). Marble with interbedded quartzite and slate (MzPsl). Includes Nelson Marble of Probst (1962).
- MzPsa** Sedimentary and volcanic rocks: Argillite, silt and tuff; subordinate lava flows, conglomerate, and limestone. Includes Shoshone of Probst (1962).

LUTONIC ROCKS

- Kjl** Upper Jurassic-Lower Cretaceous slates: Medium grained hornblende and biotite quartz diorite and granodiorite. Some trondhjemite and anorthite.
- Jrs** Upper Triassic - Lower Jurassic quartz diorite.
- Rqd** Pre-Upper Triassic intrusive complex: Chiefly quartz diorite and "white granite" (Chert) diorite and altered gabbro, minor peridotite, pyroxenite, and serpentinite (Rgs).

GEOLOGIC SYMBOLS

- Contact (shaded where gradational or inferred)
- Fault showing downthrown side (shaded where inferred)
- Fault, High-angle reverse
- Anticline (showing trace of axial plane and bearing and change of axis. Dashed where approximately located)
- Shedline (showing trace of axial plane and bearing and plunge of axis)
- Strike and dip of beds or flows

SECTIONIZED TOWNSHIP

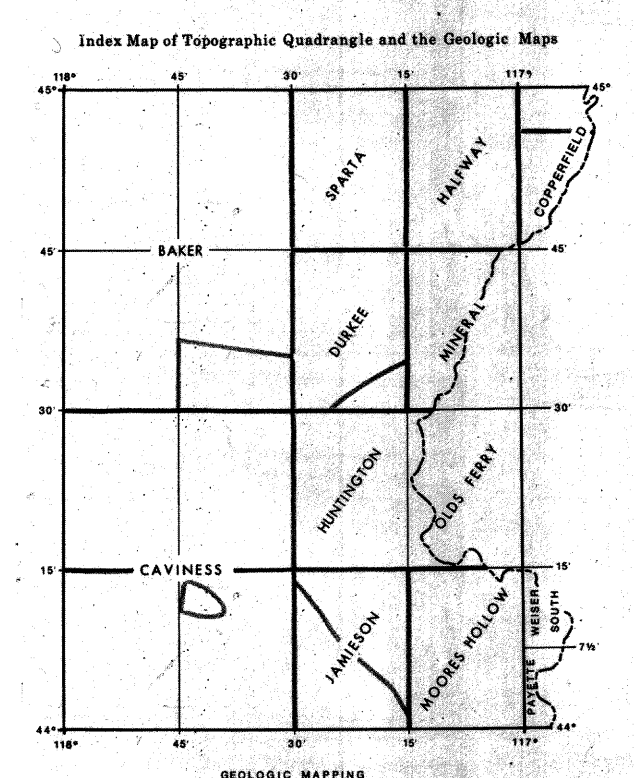
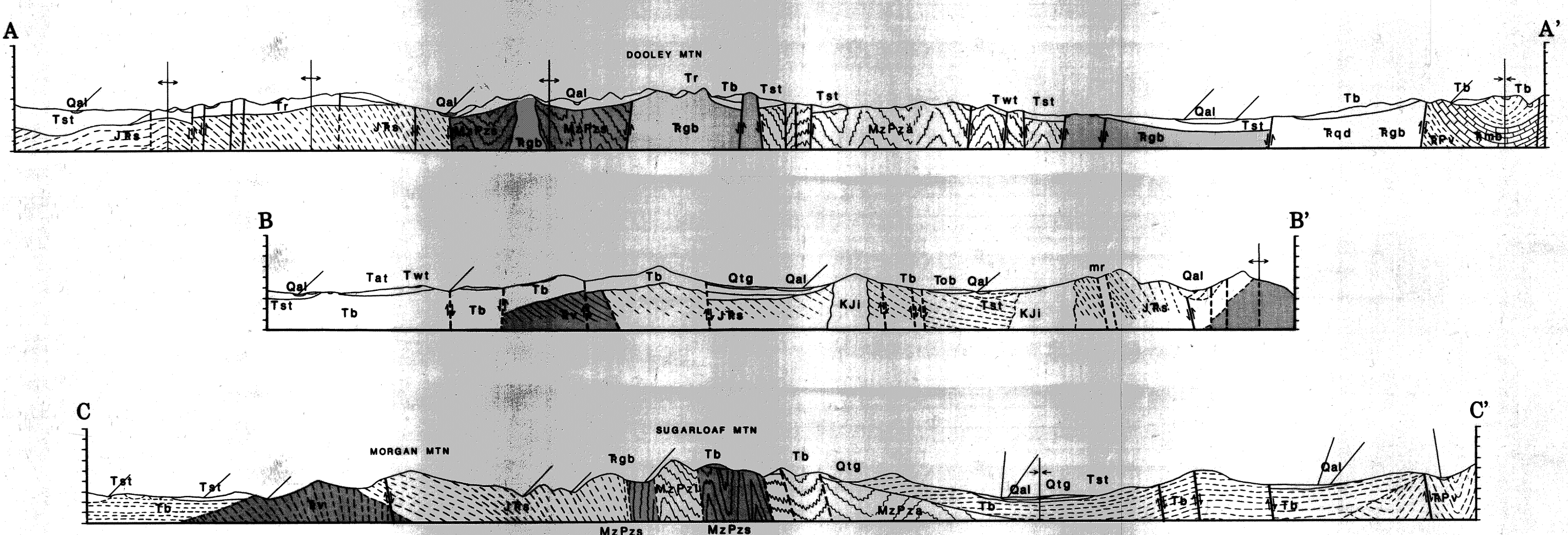
6	5	4	3	2	1
7	8	9	10	11	12
16	17	18	19	20	21
22	23	24	25	26	27
28	29	30	31	32	33
34	35	36			

LOCATION DIAGRAM FOR NL 11-11

NL 10-6	NL 10-7	NL 10-8	NL 10-9	NL 10-10	NL 10-11	NL 10-12
NL 11-6	NL 11-7	NL 11-8	NL 11-9	NL 11-10	NL 11-11	NL 11-12
NL 12-6	NL 12-7	NL 12-8	NL 12-9	NL 12-10	NL 12-11	NL 12-12
NK 10-6	NK 10-7	NK 10-8	NK 10-9	NK 10-10	NK 10-11	NK 10-12
NK 11-6	NK 11-7	NK 11-8	NK 11-9	NK 11-10	NK 11-11	NK 11-12
NK 12-6	NK 12-7	NK 12-8	NK 12-9	NK 12-10	NK 12-11	NK 12-12

Scale 1:250,000
 Contour interval 200 feet
 WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS
 TRANSVERSE MERCATOR PROJECTION

Geologic Cross Sections



- Geologic compilation by H. C. Brooks, J. R. McIntyre and G. W. Walker.
- Cartography by S. R. Renoud, 1976