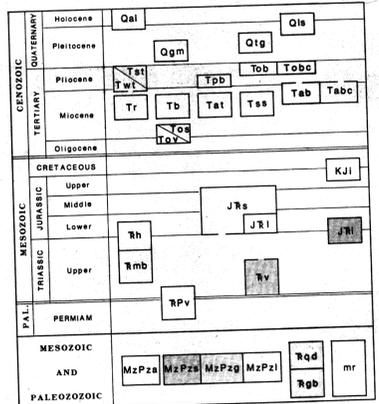


GEOLOGIC MAP OF THE BAKER 1° x 2° QUADRANGLE WEST OF SNAKE RIVER

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 intermixed clay, silt, and sand.
- Qgm** Glacioluvial deposits: Unsorted bouldery gravel, sand, and silt of terminal and lateral moraines.
- Tob** Basalt: Mostly thin, gently dipping flows of gray to black olivine-bearing basalt and basaltic andesite.
- Tobc** Small mafic volcanic centers: probably the source of (Tob) flows.
- Tst** Tuffaceous sedimentary rocks: Poorly consolidated, water-laid siliceous volcanic ash, tuffaceous clay, siltstone, sandstone, minor diatomite, mud-flow deposits, air-fall and ash-flow tuffs, and some coarse epilitic deposits. Cherty and lacustrine except in the northern part of the map area where the upper part of the sequence includes grayish fluvial deposits.
- Tpb** Basalt: Thin basalt flows and small eruptive centers. Locally overlies welded tuff of unit (Twt) and some sedimentary rocks of unit (Tst).
- Twt** Siliceous welded and non-welded tuff: Some tuffaceous sedimentary rocks included.
- Tab** Andesite and basalt: Flat-jointed flows of hypertextured andesite and basalt. The unit is exposed only in the northern part of the map area. Stratigraphic relations are uncertain.
- Tabc** Mafic shield volcano: probably the source of (Tab) flows.
- Tas** Tuffaceous sedimentary rocks: Semi-consolidated to well-consolidated, bedded, fine-grained tuffaceous sediments and associated tuff; lower amounts of andesite sandstone and siltstone, impure diatomite, pumice and palagonite tuff.
- Tat** Ash flow tuffs and tuffaceous sedimentary rocks: Partly to densely welded siliceous 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 breccias, some andesite tuff and breccia, and minor siliceous tuff and palagonite tuff and breccia. In southern part of area tuffaceous sedimentary rocks. In southern part of area includes some siliceous flows at top of section.
- Tr** Rhyolite and andesite: Rhyolitic and subordinate andesitic flows. Flow breccia, welded and non-welded tuff, and breccia and small intrusive masses, commonly flow breccia and locally rhyolite. Includes part of Dooley Rhyolite Breccia of Gilluly (1937).
- Tos** Volcaniclastic sedimentary rocks: Poorly sorted andesite and dacite, gabbro, and basaltic conglomerate, breccia and water-laid tuff.
- Tov** Andesite and dacite: Flows, breccia, tuff, and intrusive rocks consisting of porphyritic hornblende andesite and dacite.
- Jrl** Limestone: Massive and thin-bedded limestone. Minor oolite, siltstone and arkosic sandstone.
- Jrs** Sedimentary rocks: Volcanic wacke and siltstone. Some conglomeratic wacke and thin limestone lenses.
- Rh** Sedimentary rocks: Greywacke and laminated siltstone; minor chert, thin bedded limestone and conglomerate. Mapped as Huron Formation by Prosser (1937).
- Rmb** Limestone: Massive conglomeratic and coralline limestone interbedded with thin-bedded pyritic and carbonaceous limestone and calcareous shale. Named Martin Bridge Formation by Ross (1938).
- Rv** Volcanic and sedimentary rocks: Lava flows, flow breccia, agglomerate, tuff, volcanoclastic conglomerate, andesite, and siltstone. Chiefly andesitic; some basaltic and rhyolitic rocks. Minor limestone.
- mr** Mixed sedimentary, volcanic and intrusive rocks: Windows and fault slices of older rocks in (Rpv) terran. Includes rocks typical of units (Rqb), (MzPz1) and (MzPz2).
- Rpv** Volcanic and sedimentary rocks: Lava flows, flow breccia, and agglomerate; pyroclastic rocks; subordinate epilitic and conglomeratic, sandstone, and argillaceous limestone and limestone. Volcanic rocks include andesite and rhyolite. Includes Clover Creek Greenstone of Gilluly (1937).
- MzPz2** Foliated sedimentary and volcanic rocks and marble: Includes Barry River Schist of Gilluly (1937). Phyllite, quartzite, quartz phyllite, psilite phyllite, minor slate, conglomerate and marble (MzPz1). Mostly greenstone and gneiss (MzPz1). Marble with interbedded phyllite and slate (MzPz1). Includes Nelson Marble of Prosser (1937).
- MzPz1** Sedimentary and volcanic rocks: Argillite, chert and tuff; subordinate lava flows, conglomerate, and limestone. Includes Bliburn Ridge Argillite of Gilluly (1937).
- MzPza** Plutonic rocks
- Kjl** Upper Jurassic-Lower Cretaceous plutons: Medium-grained hornblende and biotite quartz diorite and granodiorite. Some trondhjemite and gabbro.
- Jrl** Upper Triassic - Lower Permian quartz diorite.
- Rqd** Pre-Upper Triassic intrusive complex: Chiefly quartz diorite and "white granite" (Rqd); also andesite and gabbro, minor peridotite, pyroxenite, and serpentinite (Rqd).
- Rgb** Rhyolite and andesite.

PLUTONIC ROCKS

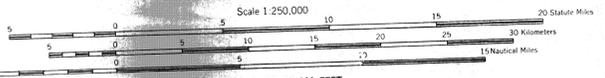
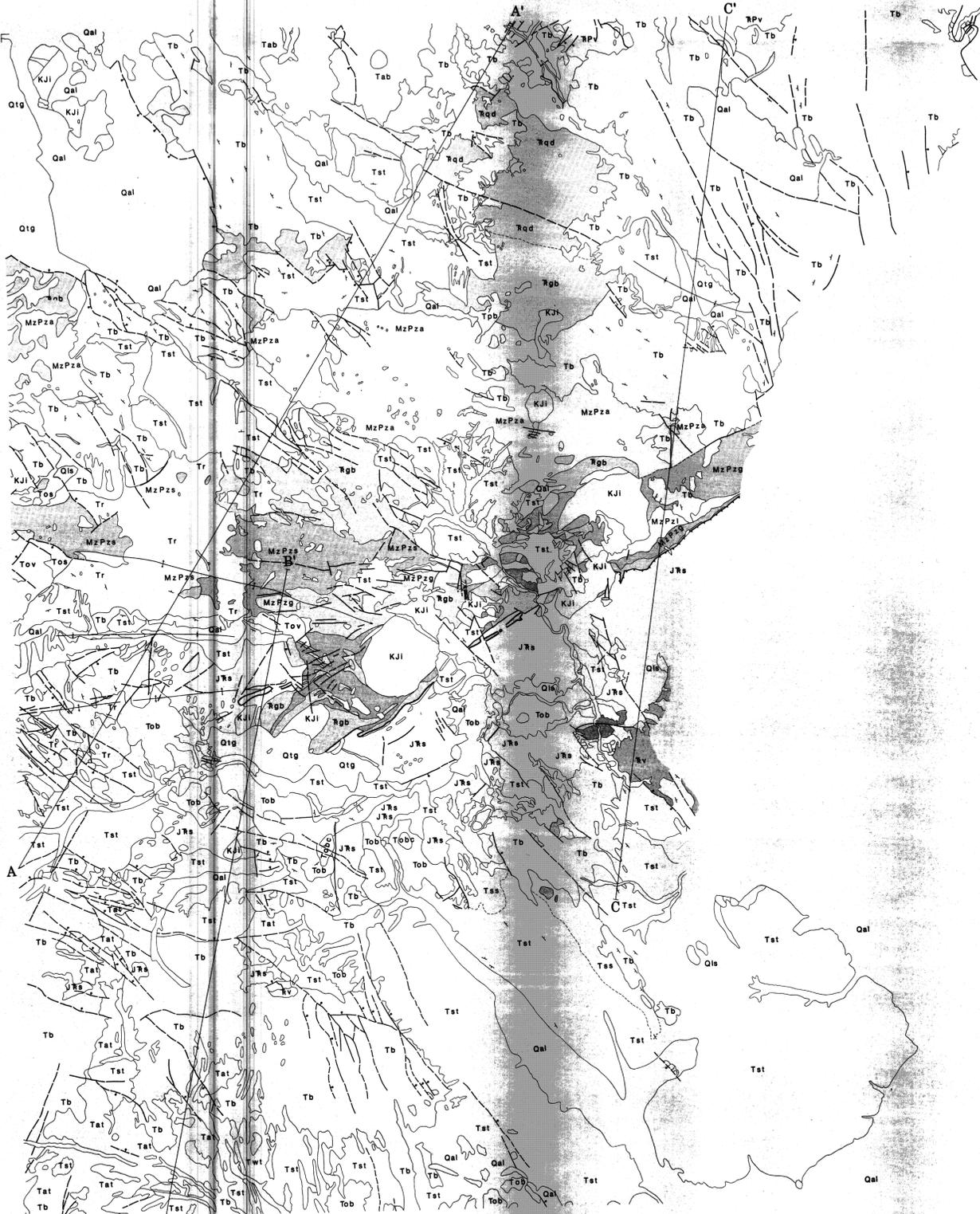
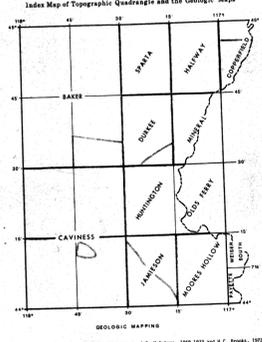
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GEOLOGIC SYMBOLS

- Contact (dashed where gradual or inferred)
- Fault showing downthrown side (dashed where inferred)
- Fault, high-angle reverse
- Anticline (showing trace of axial plane and bearing and plunge of axis. Dashed where approximately located)
- Syncline (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
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36



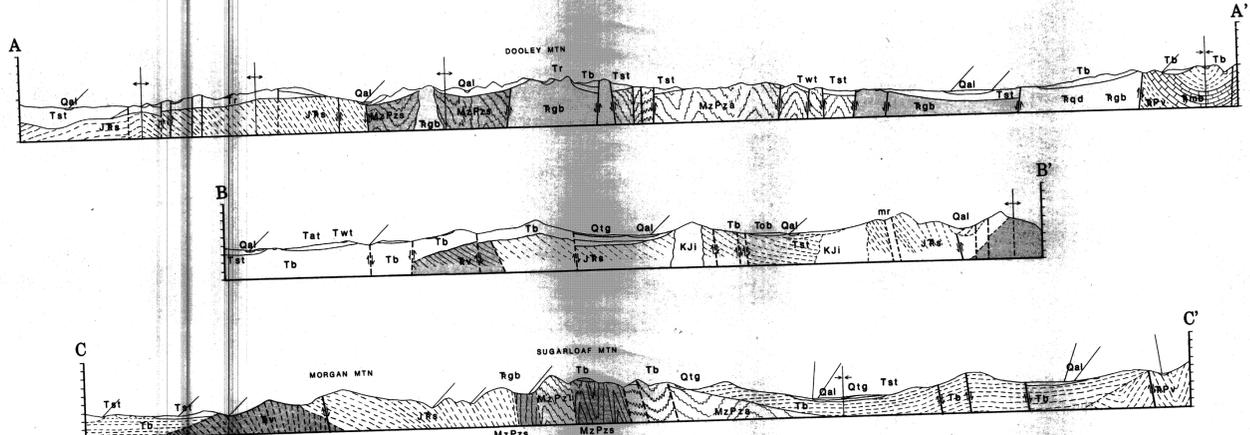
CONTOUR INTERVAL 200 FEET
WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS
TRANSVERSE MERCATOR PROJECTION

1960 MAGNETIC DECLINATION FOR THIS SHEET VARIES FROM 19°30' EASTERLY FOR THE CENTER OF THE WEST EDGE TO 19°00' EASTERLY FOR THE CENTER OF THE EAST EDGE. MEAN ANNUAL CHANGE IS 0°02' WESTERLY.

LOCATION DIAGRAM FOR NL 11-11

WASHINGTON	NL 11-4	NL 11-5	NL 11-6	NL 11-7	NL 11-8	NL 11-9	NL 11-10	NL 11-11	NL 11-12	NL 11-13	NL 11-14
OREGON	NK 10-6	NK 10-7	NK 10-8	NK 10-9	NK 10-10	NK 10-11	NK 10-12	NK 10-13	NK 10-14	NK 10-15	NK 10-16
IDAHO	NL 10-12	NL 10-13	NL 10-14	NL 10-15	NL 10-16	NL 10-17	NL 10-18	NL 10-19	NL 10-20	NL 10-21	NL 10-22
MONTANA	NL 10-23	NL 10-24	NL 10-25	NL 10-26	NL 10-27	NL 10-28	NL 10-29	NL 10-30	NL 10-31	NL 10-32	NL 10-33

Geologic Cross Sections



Geologic compilation by H. C. Brooks, J. R. McIntyre and G. W. Walker.

Cartography by S. R. Renoud, 1976