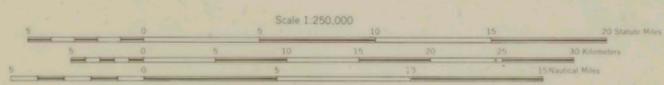


GEOLOGIC MAP OF THE BAKER "AMS" SHEET WEST OF SNAKE RIVER



CENOZOIC	QUATERNARY	Qal	Qls
	Pleistocene	Qgm	Qlg
	Pliocene	Tst	Tob
TERTIARY	Miocene	Tr	Tat
	Oligocene	Tob	Tbc
		Tos	Tsv
MESOZOIC	CRETACEOUS		KJI
	Upper		Jrs
	Middle	Jrl	Jri
TRIASSIC	Lower	Rh	
	Upper	lmi	Rv
PALAEZOIC	PERMIAN	Rpv	
MESOZOIC	AND	MzPzs	MzPzi
		Rgd	mr
PALEOZOIC		Rgb	

- EXPLANATION**
- Qal** Alluvium: Mainly valley fill and stream channel deposits consisting of unconsolidated silt, sand, and gravel.
  - Qls** Landslide debris.
  - Qlg** Terrace and fan deposits: Unconsolidated gravel, cobbles, and boulders with intermixed clay, silt, and sand.
  - Qgm** Glaciofluvial deposits: Unsorted bouldery sand, silt, and silt of terminal and lateral moraines.
  - Tob** Basalt: Mostly thin, gently dipping flows of gray to black olivine-bearing basalt and basaltic andesite.
  - Tbc** 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 epiclastic deposits. Chiefly lacustrine except in the northern part of the map area where the upper part of the sequence includes gravelly fluvial deposits.
  - Tpb** Basalt: Thin basalt flows and small eruptive centers. Locally includes welded tuff of unit (Tst) and some sedimentary rocks of unit (Tst).
  - Twt** Siliceous welded and non-welded tuff: Some tuffaceous sedimentary rocks included.
  - Tab** Andesite and basalt: Flow-jointed flows of hypersthene andesite and basalt. The unit is exposed only in the northern part of the map area. Stratigraphic relations are uncertain.
  - Tbc** Mafic shield volcano: probably the source of (Tob) flows.
  - Tss** Tuffaceous sedimentary rocks: Semi-consolidated to well-consolidated, bedded, fine-grained tuffaceous sediments and siltstone, impure diatomite, pumice, and palaeozoic 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 breccia, andesite tuff and breccia, and minor siliceous tuff and tuffaceous sedimentary rocks. In southwest part of area includes some siliceous 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 banded and locally perlitic. Includes part of Dooley Rhyolite breccia of Gibbly (1937).
  - Tos** Volcaniclastic sedimentary rocks: Poorly sorted andesite and dacite pebble and boulder conglomerate, breccia and water-laid tuff.
  - Tsv** Andesite and dacite: Flows, breccia, tuff, and intrusive rocks consisting of porphyritic hornblende andesite and dacite.
  - Jrl** Limestone: Massive and thin-bedded limestone. Minor wacke, siltstone and argillaceous 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 Protha (1962).
  - lmi** Limestone: Massive conglomeratic and conglite limestone interbedded with thin-bedded pyritic and carbonaceous limestone and calcareous shale. Named Martin Bridge Formation by Row (1938).
  - Rv** Volcanic and sedimentary rocks: Lava flows, flow breccia agglomerate, tuff, volcaniclastic conglomerate, breccia, sandstone, and siltstone. Chiefly andesite; some basaltic and rhyolite rocks. Minor limestone.
  - mr** Mixed sedimentary, volcanic and intrusive rocks: Tectonic windows and fault slices of older rocks in (Jrs) terrane.
  - Rpv** Volcanic and sedimentary rocks: Lava flows, flow breccia, and agglomerate; pyroclastic rocks; subordinate epiclastic conglomerate, sandstone, and argillite; minor chert and limestone. Volcanic rocks include spilla and keratophyre. Includes Clover Creek Greenstone of Gibbly (1937).
  - MzPzs** Foliated sedimentary and volcanic rocks and marble: Includes Burnt River Schist of Gibbly (1937). Phyllite, quartzite, quartz phyllite, pelitic phyllite, minor slate, conglomerate and marble (MzPzi). Mostly greenstone and greenschist (MzPzr). Marble with interbedded phyllite and slate (MzPzr); includes Nelson Marble of Protha (1967).
  - MzPzi** Sedimentary and volcanic rocks: Argillite, chert and tuff; subordinate lava flows, conglomerate, and limestone. Includes Elkhorn Ridge Argillite of Gibbly (1937).
  - MzPzr** Sedimentary and volcanic rocks: Argillite, chert and tuff; subordinate lava flows, conglomerate, and limestone. Includes Elkhorn Ridge Argillite of Gibbly (1937).
- PLUTONIC ROCKS**
- KJI** Upper Jurassic-Lower Cretaceous plutons: Medium-grained hornblende and biotite quartz diorite and granodiorite. Some trondhjemite and gabbro.
  - Jri** Upper Triassic - Lower Jurassic quartz diorite.
  - Rgd** Pre-Upper Triassic intrusive complex: Chiefly quartz diorite and "white granite" (Rgd's) and altered gabbro, minor peridotite, pyroxenite, and serpentinite (Rgd).
- GEOLOGIC SYMBOLS**
- Contact (dashed where gradational 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



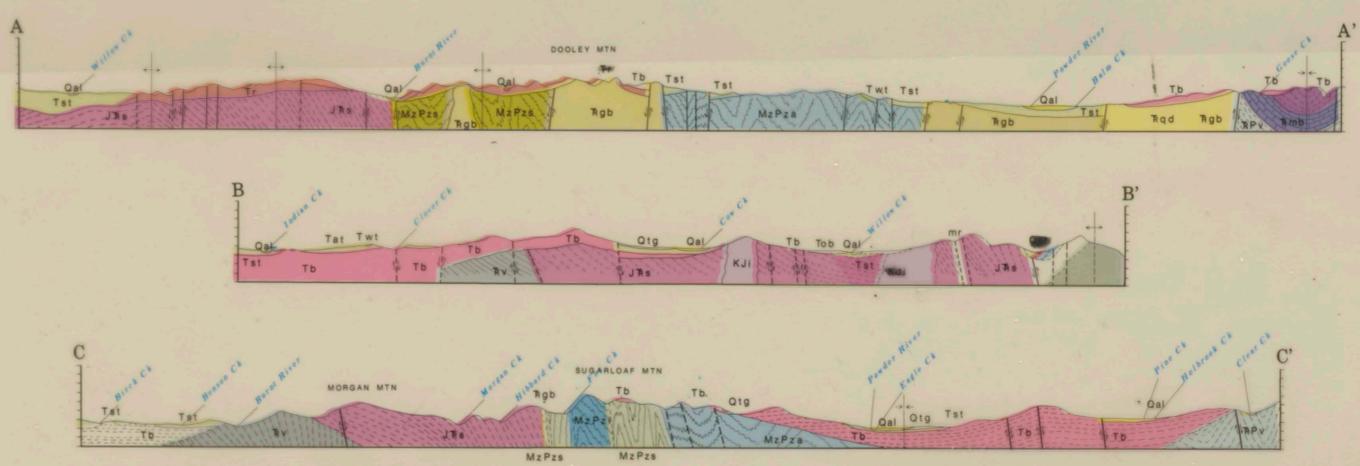
SECTIONIZED TOWNSHIP

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

LOCATION DIAGRAM FOR NL 11-11

11-10	11-9	11-8	11-7	11-6	11-5	11-4	11-3	11-2	11-1
11-10	11-9	11-8	11-7	11-6	11-5	11-4	11-3	11-2	11-1
11-10	11-9	11-8	11-7	11-6	11-5	11-4	11-3	11-2	11-1
11-10	11-9	11-8	11-7	11-6	11-5	11-4	11-3	11-2	11-1
11-10	11-9	11-8	11-7	11-6	11-5	11-4	11-3	11-2	11-1
11-10	11-9	11-8	11-7	11-6	11-5	11-4	11-3	11-2	11-1

Geologic Cross Sections



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

Cartography by S. R. Renoud, 1976