Nourse 1989

GEOLOGIC MAP OF THE JACKSON MOUNTAINS, NORTHWEST NEVADA

Kevin A. Maher, Ph.D. thesis, 1989, California Institute of Technology

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PLATE 1

LITHOSTRATIGRAPHIC UNITS

	Qal		QUATERNARY SEDIMENTS
	Tr 915		TERTIARY RHYOLITE
	Tb 914		TERTIARY BASALT
MIDDLE JURASSIC TO EARLY CRETACEOUS	Kn 921	KING LEAR FORMATION	MEMBER N - SEDIMENTARY THRUST FAULT SCARP BRECCIAS
	Km 946		MEMBER M - DACITE LACCOLITH, EPICLASTICS, TUFFS, LAHARS, FLOWS
	JKl 942		MEMBER L - RHYOLITE DOMES, FLOWS, EPICLASTICS AND TUFFS
	JKk 944		MEMBER K - EPICLASTIC FINE- TO COARSE-GRAINED VOLCANIC RED BEDS
	JKt 940		JACKSON TUFF BED - RHYOLITE IGNIMBRITE
	JKj 941		MEMBER J - CHERTY/LITHIC CONGLOMERATE, ARENITE, ARGILLITE
	Ji 939		MEMBER I - EPICLASTIC COARSE-GRAINED VOLCANIC RED BEDS
LATE TRIASSIC TO MIDDLE JURASSIC	Jh 920	HAPPY CREEK FORMATION	MEMBER H - BASALTIC ANDESITE FLOWS, PROXIMAL VOLCANIC EPICLASTICS
	Jg 913		MEMBER G - ANDESITE FLOWS AND BRECCIAS, VOLCANIC CONGLOMERATES
	JTrf 911		MEMBER F - DACITE AND ANDESITE FLOWS, BRECCIAS, AND TUFF
	JTre 910		MEMBER E - ANDESITE FLOWS
	JTrd 963		MEMBER D - VOLCANIC EPICLASTIC CONGLOMERATE
	JTrc 964		MEMBER C - VOLCANIC EPICLASTIC ARENITE, CONGLOMERATE, ARGILLITE
	Trb 905		MEMBER B - LIMESTONE, FLAT PEBBLE CONGLOMERATE, HYALOCLASTITE
	Tra 907		MEMBER A - AUGITE-PHYRIC BASALTIC ANDESITE
MIDDLE TO LATE TRIASSIC	Tru 904	BLISS CANYON FORMATION	UPPER MEMBER - CONGLOMERATE, ARENITE AND ARGILLITE
	Trm 903		MIDDLE MEMBER - LIMESTONE
	Trl 901		LOWER MEMBER - ARGILLITE, CONGLOMERATE, CALCARENITE, ARENITE
MISS. - LOWER PERMIAN	Pu 937	MCGILL CANYON FORMATION	UPPER MEMBER - ARGILLITE, ANDESITE, CONGLOMERATE, LIMESTONE
	Po 934		OLISTOSTROMAL MEMBER - LIMESTONE
	CPl 956		LOWER MEMBER - ARGILLITE, CONGLOMERATE, ARENITE

41°30'
118°15'
41°7'30"
118°37'30"

LATE JURASSIC TO EARLY CRETACEOUS — KING LEAR FORMATION

JKti 918	HYPABYSSAL DACITE LACCOLITH, MEMBER M
Kmi 917	HYPABYSSAL RHYOLITE DOME, DIKES, MEMBER L

EARLY JURASSIC TO EARLY CRETACEOUS — EARLY MESOZOIC INTRUSIVE SUITE

JKto 929	TONALITE
Jgr Kgr 926	GRANODIORITE, GRANITE
Jdi Kdi 923	DIORITE, QUARTZ DIORITE, MONZODIORITE
Jga Kga 924	GABBRO, QUARTZ GABBRO, MONZOGABBRO

KEY TO MAP SYMBOLS

- THRUST FAULT
- DIP-SLIP FAULT (D / U)
- STRIKE-SLIP FAULT
- AXIAL TRACE, ANTICLINE
- AXIAL TRACE, SYNCLINE
- LITHOLOGIC CONTACT
- LITHOLOGIC CONTACT, POSITION APPROXIMATE
- 45 STRIKE AND DIP OF BEDDING
- 60 STRIKE AND DIP OF CLEAVAGE
- 45 STRIKE AND DIP, JOINTING
- 75 OVERTURNED BEDDING
- 30 IGNEOUS FOLIATION
- 15 PLUNGE, BEARING MINOR FOLD AXIS
- 60 TECTONITE LINEATION

SCALE 1:50,000

4 0 0 1 2 3 4 MILES
3000 0 3000 6000 9000 12000 15000 18000 21000 FEET
1 0 1 2 3 4 5 KILOMETERS

GN MN 18° 320 MILS 0°24' 7 MILS

UTM GRID AND 1981 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

NEVADA

QUADRANGLE LOCATION

PLATE 1