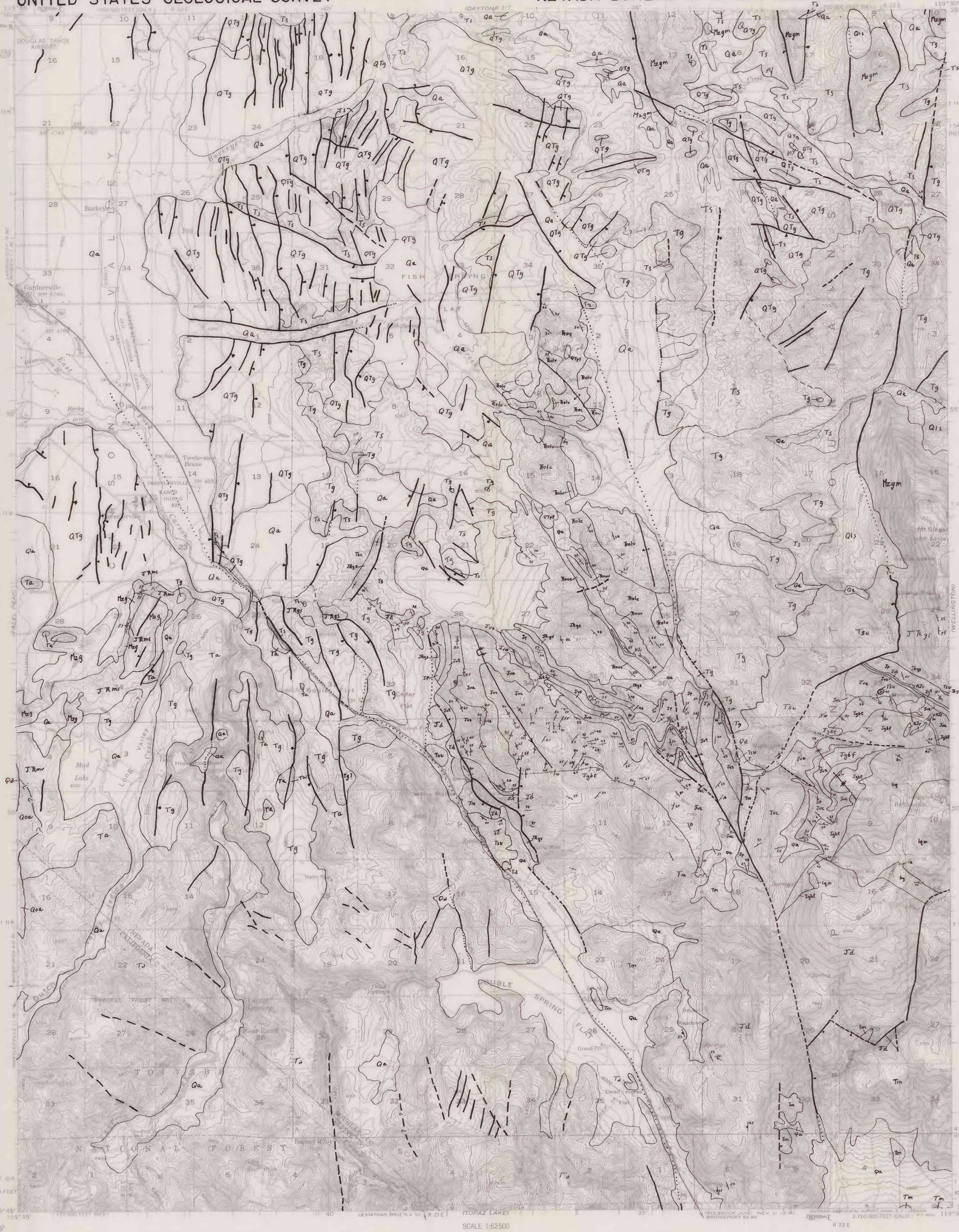
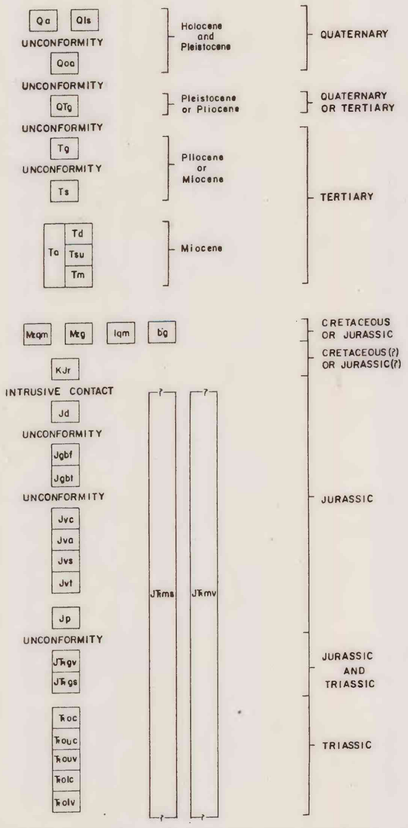


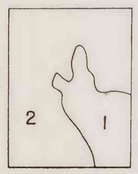
CORRELATION OF MAP UNITS



DESCRIPTION OF MAP UNITS

Qa	ALLUVIAL DEPOSITS
Qls	LANDSLIDE DEPOSITS
Qoa	OLDER ALLUVIAL DEPOSITS
Qtg	GRAVEL, MOSTLY ON PEDIMENT SURFACE
Tg	GRAVEL, LOCALLY THICK AND IN PLACES, DISSECTED.
Ts	VARICOLORED TUFFACEOUS SHALE, SILTSTONE, SANDSTONE AND CONGLOMERATE
Ta	ANDESITE VOLCANIC BRECCIA AND FLOWS
Td	HORNBLENDE DACITE
Tsu	SUGARLOAF ANDESITE OF NOBLE (1962)
Tm	MINEHAHA ANDESITE OF NOBLE (1962)
Mzgm	QUARTZ MONZONITE OF MT. SIEGEL
Mzg	GRANODIORITE OF DRESSLERVILLE
lgm	LONGFELLOW QUARTZ MONZONITE OF NOBLE (1962)
bg	BULLIONVILLE GRANODIORITE OF NOBLE (1962)
Kjr	RHYOLITE DIKES
Jd	DOUBLE SPRING FORMATION OF NOBLE (1962)--Acid to intermediate lapilli tuff and flow material with intercalated welded tuff, bedded tuff and tuff-breccia, volcanic sandstone, calcareous fresh-water tuff, and marine limestone.
	GOLD BUG FORMATION OF NOBLE (1962) includes:
Jgbf	RHYODACITIC TO DACITIC FLOWS
Jgbt	WELDED RHYODACITIC TO DACITIC LAPILLI TUFF WITH WELL-DEVELOPED COMPACTION FOLIATION
	VETA GRANDE FORMATION OF NOBLE (1962) includes:
Jvc	CONGLOMERATE AND BRECCIA MEMBER--Coarse to fine massive-bedded volcanic conglomerate and breccia with minor interbedded medium to coarse-grained poorly sorted feldspathic wacke.
Jva	ANDESITE MEMBER--Medium to fine-grained somewhat potassium rich pyroxene andesite.
Jvs	VOLCANIC SANDSTONE MEMBER--Medium to coarse-grained feldspar-rich volcanic sandstone with intercalated volcanic conglomerate.
Jvt	LAPILLI TUFF MEMBER--Rhyolite to rhyodacite vitro-crystal lapilli tuff.
Jp	PREACHERS FORMATION OF NOBLE (1962)--Well-sorted fine to coarse-grained lithic arenite and wacke; generally flaggy with steep crossbedding present locally.
	GARDNERVILLE FORMATION OF NOBLE (1962) includes:
JTR gr	VOLCANIC CONGLOMERATE MEMBER--Acid to intermediate volcanic conglomerate with interbedded siltstone, volcanic sandstone, and limestone.
JTR gs	SILTSTONE MEMBER--Thin-bedded carbonaceous and pyritic siltstones with intercalated volcanic tuff and flow material (10 to 15 percent) and carbonate (5 to 10 percent).
	OREANA PEAK FORMATION OF NOBLE (1962) includes:
TR oc	UNDIVIDED CARBONATES
TR ouc	UPPER CARBONATE MEMBER--Thick to medium-bedded marine limestone.
TR ouv	UPPER VOLCANIC MEMBER--Mafic to intermediate volcanic breccia, lava, and tuff with minor intercalated limestone, calcareous quartz sandstone, and limestone breccia.
TR olc	LOWER CARBONATE MEMBER--Massive to thin-bedded white to bluish-grey to black marine limestone, dolomitic limestone, and dolomite.
TR olv	LOWER VOLCANIC MEMBER--Acid to intermediate marine and continental tuff-breccia, lapilli tuff, tuff, greenstone, welded tuff, and tuffaceous sandstone with interbedded marine carbonates.
JTR ms	METASEDIMENTARY ROCKS, UNDIVIDED--Includes some metavolcanic rocks.
JTR mv	METAVOLCANIC ROCKS, UNDIVIDED--includes some metasedimentary rocks.

SOURCES OF DATA



1. GEOLOGY BY DONALD C. NOBLE (NOBLE, D. C., 1962, MESOZOIC GEOLOGY OF THE SOUTHERN PINE NUT RANGE, DOUGLAS COUNTY, NEVADA: PH. D. THESIS, STANFORD UNIVERSITY).
2. GEOLOGY BY JOHN H. STEWART, ASSISTED BY JERRY INFELD, 1977.

PRELIMINARY GEOLOGIC MAP OF THE MOUNT SIEGEL QUADRANGLE, NEVADA–CALIFORNIA

by

John H. Stewart and Donald C. Noble

1979