



EXPLANATION

- Qw Quaternary wash and gravel
- Tv Tertiary volcanic rocks undifferentiated
- d g am Intrusive rocks
d, diorite
g, granite
am, quartz monzonite

LOWER PLATE OF SHOSHONE THRUST

- Jd1 Dunlap formation
Jd1, upper carbonate unit
Jd2, upper clastic unit
Jd3, lower carbonate unit
Jd4, lower clastic unit
- Lju Upper unit
- Ljl Lower unit
- Lli Limestone member
- Llc Clastic member

UPPER PLATE OF SHOSHONE THRUST

- Llu Upper plate Luning formation
- Lli Limestone member
- Llc Clastic member

MIDDLE TRIASSIC

- Grl Grantsville formation
- Grl Limestone member
- Grl Clastic member

EROSIONAL UNCONFORMITY

- Ppl Greenstone member
- Ppl Limestone member
- Ppl Clastic member

RELATIONSHIP UNKNOWN

- Cq Cg Cambrian (?) sedimentary rocks
Cq, quartzite unit; Cg, dolomite unit

Fault, showing dip
Dashed where approximately located,
dotted where concealed
U, upthrown side; D, downthrown side

Strike-slip fault

Thrust fault
T, upper plate

Strike and dip of beds

Strike and dip of overturned beds

Strike of vertical beds

Strike and dip of joints

Hydrothermal alteration and silicification

Fossiliferous horizons
a, *Alonites schucheri*
b, *Alonites*
c, *Jumbellites*
v, *Valeria*
x, *Myia*

Scale 1:12,000
0 1000 2000 3000 4000 5000 feet
Contour interval 40 feet

PRE-TERTIARY GEOLOGY
of the
UNION DISTRICT
NYE COUNTY, NEVADA
by N. J. Siberling

4401