



CORRELATION OF MAP UNITS

Qya	Qaw	Qls	Qf	Qt	QUATERNARY
Ooa					
Tgp	Tib	Thp	Tdb	Age relations unknown	TERTIARY
Tpl	Tmb	Ttp	Tta		
Tgh	Tka	Tkm	Tkp	Oligocene or Eocene	CRETACEOUS
Kga	Kmp	Km	PPap		
Phm	Pbl	Pbi	Disc	Early Permian Late Pennsylvanian	PERMIAN
Phm	Pbl	Pbi	Disc		
Disc	Disc	Disc	Disc	Middle Pennsylvanian	DEVONIAN
Disc	Disc	Disc	Disc		
DObb	DObb	DObb	DObb	Late Cambrian	DEVONIAN AND (OR) ORDOVICIAN
Ch	Ch	Ch	Ch		
Ch	Ch	Ch	Ch	Late Cambrian	CAMBRIAN
Ch	Ch	Ch	Ch		

DESCRIPTION OF MAP UNITS

Qya	Younger alluvium (Quaternary)
Qaw	Slopewash deposits (Quaternary)
Qls	Landslide deposits (Quaternary)
Qf	Fanglomerate deposits (Quaternary)
Qt	Talus (Quaternary)
Ooa	Older alluvium (Quaternary)
Tgp	Granodiorite porphyry (Oligocene)
Tib	Intrusion breccia (Oligocene)
Thp	Altered hornblende porphyry (Oligocene)
Tdb	Diabase (Oligocene)
Tpl	Porphyritic leucogranite (Oligocene or Eocene)
Tgh	Granodiorite of Hill 6010 (Oligocene)
Tmb	Biotite-hornblende monzogranite of Bluff area (Oligocene or Eocene)
Ttp	Breccia pipe of Bluff area (Oligocene or Eocene)
Tr	Rhyolite (Oligocene or Eocene)
Trd	Rhyodacite (Oligocene or Eocene)
Ta	Andesite (Oligocene or Eocene)
Kga	Aplite (Late Cretaceous)
Kmp	Granite breccia pipe (Late Cretaceous)
Km	Megacryst porphyry (Late Cretaceous)
PPap	Monzogranite porphyry (Late Cretaceous)
PPap	Antler Peak Limestone (Early Permian and Late Pennsylvanian)
Pbl	Battle Formation (Middle Pennsylvanian)
Pbl	Middle member
Pbl	Lower member
Disc	Scott Canyon Formation (Devonian)—Greenstone, chert, argillite, limestone, and shale. Locally divided into:
Disc	Chert and argillite—Also includes minor greenstone
Disc	Greenstone—Also includes minor chert and argillite
DObb	Diabase (Devonian and (or) Ordovician)
Ch	Harmony Formation (Cambrian)—Mostly feldspathic sandstone and quartz arenite; marker beds of pebbly quartzite shown as series of dots. Locally includes:
Chl	Limestone

CONTACTS AND STRUCTURES

- Contact—Queried where uncertain
- Faults—Showing dip. Long dashed where approximately located; short dashed where inferred; queried where uncertain; dotted where concealed
- Normal—Bar and ball on downthrown block
- Thrust—Sawtooth on upper plate
- Glide—Sawtooth on upper plate
- Fault breccia

Dikes

- Porphyritic leucogranite (Tpl)
- Granodiorite porphyry (Tgp)
- Intrusive hornblende porphyry (Thp)
- Biotite hornblende monzogranite of Bluff area (Tmb)
- Intrusive aplite (Kga)
- Megacryst porphyry (Kmp)
- Granodiorite of Hill 6010 (Tgh)
- Diabase (Tdb)
- Monzogranite porphyry (Km) of granitic complex of the Buckingham Camp area
- Quartz vein

ALTERATION AND STOCKWORKS

- Approximate location of outer limit of epigenetic alteration shown by recrystallization of feldspathic sandstone and quartz arenite of the Harmony Formation to biotite hornfels—Hachures on side of altered rock; queried where uncertain
- Approximate location of outer limit of pyritic alteration visible in outcrop—Hachured in direction of alteration
- Outer limit of abundant quartz stockworks—Queried where concealed

SKARN

- Skarn
- Strike and dip of bedding
- Inclined, facing generally not known
- Vertical
- Overturned
- Horizontal
- Joints
- Inclined
- Vertical
- Folds—Showing trace of axial plane and plunge of axis. Long dashed where approximately located; short dashed where inferred; queried where uncertain
- Anticline
- Syncline
- Overturned anticline
- Overturned syncline
- Minor anticline
- Minor small fold
- Minor overturned fold, showing trend and plunge
- Strike and dip of dominant set of quartz veins
- Inclined
- Vertical
- Open cut
- Mine dump
- Pit boundary

GEOLOGY OF THE BUCKINGHAM STOCKWORK MOLYBDENUM DEPOSIT AND SURROUNDING AREA, LANDER COUNTY, NEVADA

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Theodore, T.G., Blake, D.W., Loucks, T.A., and Johnson, C.A.
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