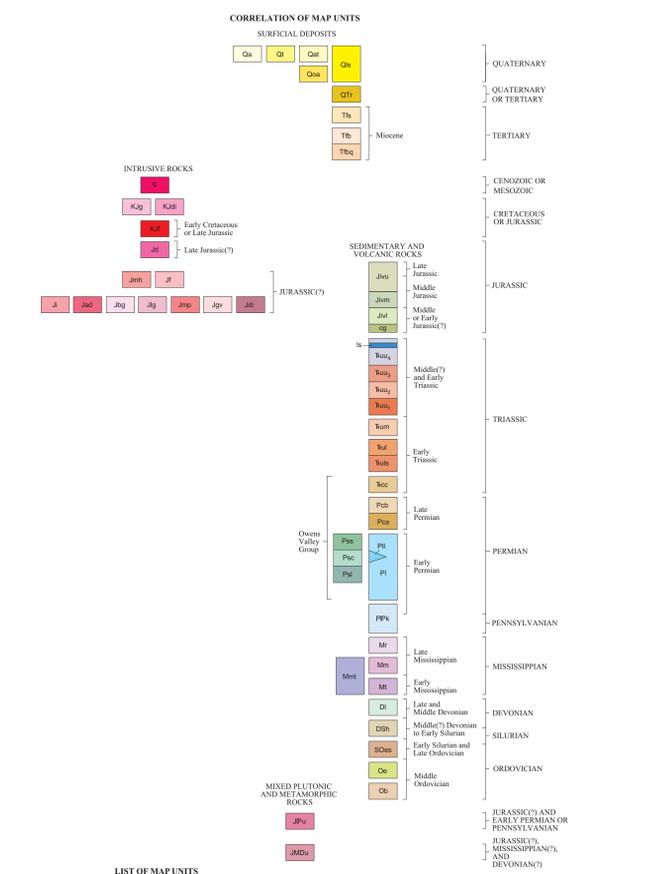
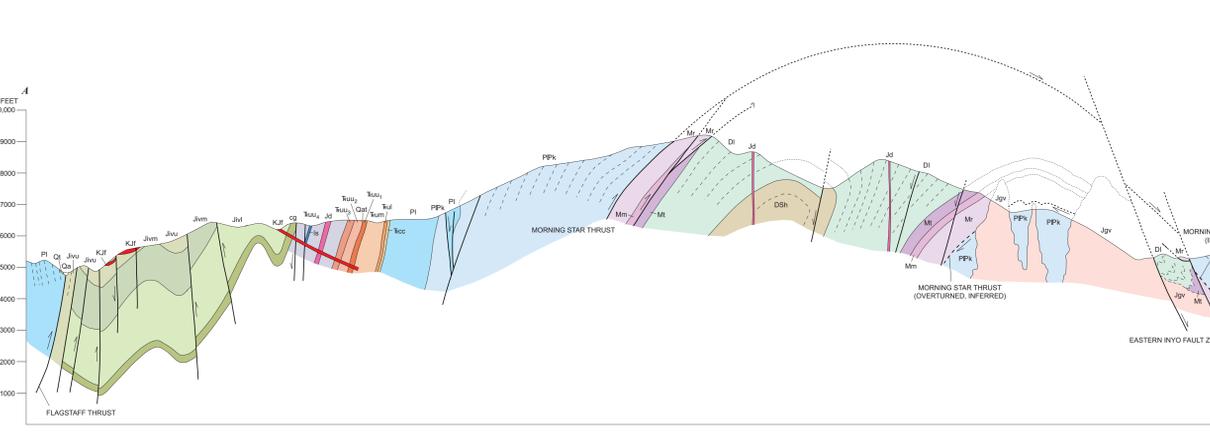
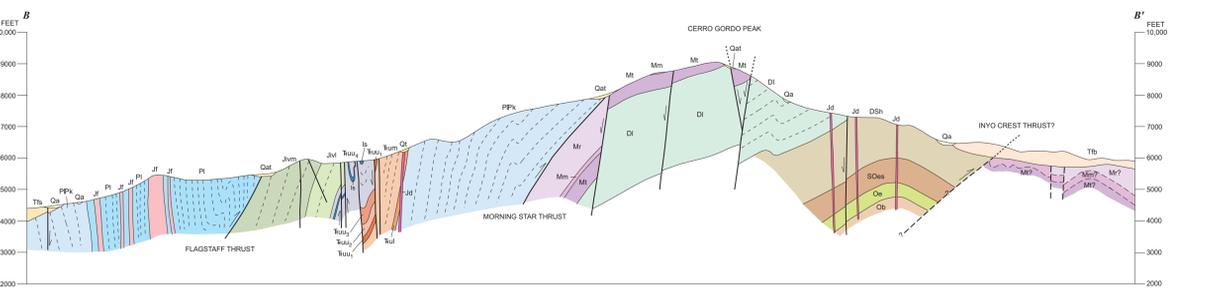


Base from U.S. Geological Survey
7.5 Minute Cerro Gordo Peak quadrangle, 1987
Lambert Conformal Conic projection

Geology mapped 1974-2000 by P. Stone, G.C. Dunne,
J.E. Conrad, B.J. Swanson, and C.H. Stevens
Digital preparation by P. Stone, C.Z. Valin, and S.E.
Graham
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- LIST OF MAP UNITS**
(see pamphlet for Description of Map Units)
- SURFICIAL DEPOSITS**
- Qa Alluvium (Quaternary)
 - Qt Talus (Quaternary)
 - Qat Alluvium and talus, undivided (Quaternary)
 - Qla Landslide deposits (Quaternary)
 - Qoa Older alluvium (Quaternary)
 - QTI Rubble (Quaternary or Tertiary)
 - Ta Funglomerate of Slate Canyon (Miocene)
 - Tb Funglomerate of Bonham Canyon (Miocene)
 - Tbq Quartz monzonite gravel unit
- INTRUSIVE ROCKS**
- Ic Quartz veins (Cretaceous or Mesozoic)
 - Klg Leucocratic granite (Cretaceous or Jurassic)
 - Kjd Diorite (Cretaceous or Jurassic)
 - Jc Younger felsic intrusions (Early Cretaceous or Late Jurassic)—Showing dip where known
 - Jd Dark-colored dikes (Late Jurassic?)—Showing dip where known
 - Jmh Mafic hypabyssal intrusion (Jurassic?)
 - Jf Older felsic intrusions (Jurassic?)
 - Ji Altered fine-grained intrusions (Jurassic?)
 - Jad Altered diorite (Jurassic?)
- SEDIMENTARY AND VOLCANIC ROCKS**
- Jvu Inyo Mountains Volcanic Complex (Jurassic)
 - Jvm Upper part (Late and Middle Jurassic)
 - Jvm Middle part (Middle Jurassic)
 - Jvl Lower part (Middle or Early Jurassic?)—Includes basal conglomerate
 - Juu Union Wash Formation (Middle? and Early Triassic)
 - Ju4 Subunit 4—Includes limestone (Tb)
 - Ju3 Subunit 3
 - Ju2 Subunit 2
 - Ju1 Subunit 1
 - Jum Middle member (Early Triassic)
 - Jul Lower Member (Early Triassic)
 - Jsb Basal sandstone unit
 - Jov Owens Valley Group (Early Triassic to Early Permian)
 - Joc Conglomerate Mesa Formation (Early Triassic and Late Permian)
 - Jc3 Member C (Early Triassic)
 - Jc2 Member B (Late Permian)
 - Jc1 Member A (Late Permian)
 - Jsf Sedimentary rocks of Santa Rosa Flat (Early Permian)
 - Jsp Siltstone and pebbly limestone unit
 - Jsl Limestone conglomerate unit
 - Jst Limestone unit
- MIXED PLUTONIC AND METAMORPHIC ROCKS**
- Jpv Granite and metamorphosed sedimentary rocks, undifferentiated (Jurassic? and Early Permian or Pennsylvanian)
 - Jdv Granite and metamorphosed sedimentary rocks, undifferentiated (Jurassic?, Mississippian? and Devonian?)
- Other units:**
- Pl Lone Pine Formation (Early Permian)
 - Pb Limestone unit
 - PPK Kester Canyon Formation (Early Permian and Pennsylvanian)
 - Ms Rest Spring Shale (Late Mississippian)
 - Mm Mexican Spring Formation and Tin Mountain Limestone, undivided (Late and Early Mississippian)
 - Mn Mexican Spring Formation (Late Mississippian)
 - Mt Tin Mountain Limestone (Early Mississippian)
 - Di Lost Burro Formation (Late and Middle Devonian)
 - Dsh Hidden Valley Dolomite (Middle? Devonian to Early Silurian)
 - SDes Ey Springs Dolomite (Early Silurian and Late Ordovician)
 - Ob Eureka Quartzite (Middle Ordovician)
 - BFL Badger Flat Limestone (Middle Ordovician)
- CONTACTS AND STRUCTURES:**
- Contact—Showing dip where known
 - Contact—Approximately located
 - Contact—Inferred, queried
 - Contact of landslide block—Denotes landslide block composed of identified map units. Approximately located
 - Marker horizon
 - Fault—Showing dip where known. Bar and ball on downthrown side. Dotted where concealed
 - Fault—Inferred. Bar and ball on downthrown side
 - Thrust fault—Showing dip where known. Teeth on upper plate. Dotted where concealed
 - Thrust fault—Inferred. Teeth on upper plate. Dotted where concealed
 - Overturned thrust fault—Inferred. Teeth on upper plate that was later overturned. Dotted where concealed
 - Fault interpreted to have been reactivated as landslide surface
 - Anticline—Trace of axial surface
 - Anticline—Trace of axial surface; inferred
 - Overturned anticline—Trace of axial surface
 - Overturned anticline—Trace of axial surface; inferred
 - Syncline—Trace of axial surface
 - Syncline—Trace of axial surface; inferred
 - Overturned syncline—Trace of axial surface
- STRIKES AND DIP OF BEDS:**
- Inclined—May include overturned beds in structurally complex areas
 - Inclined—Top direction known from local features
 - Vertical
 - Vertical—Top direction known from local features
 - Overturned—Top direction inferred from stratigraphic and structural relations
 - Overturned—Top direction known from local features
 - Strike and dip of foliation
- Sample locality for radiometric age determination or tephrochronologic analysis—Discussed in Description of Map Units**



Geologic Map of the Cerro Gordo Peak 7.5' Quadrangle, Inyo County, California
By
Paul Stone, George C. Dunne, James E. Conrad, Brian J. Swanson, Calvin H. Stevens, and Zenon C. Valin
2004

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