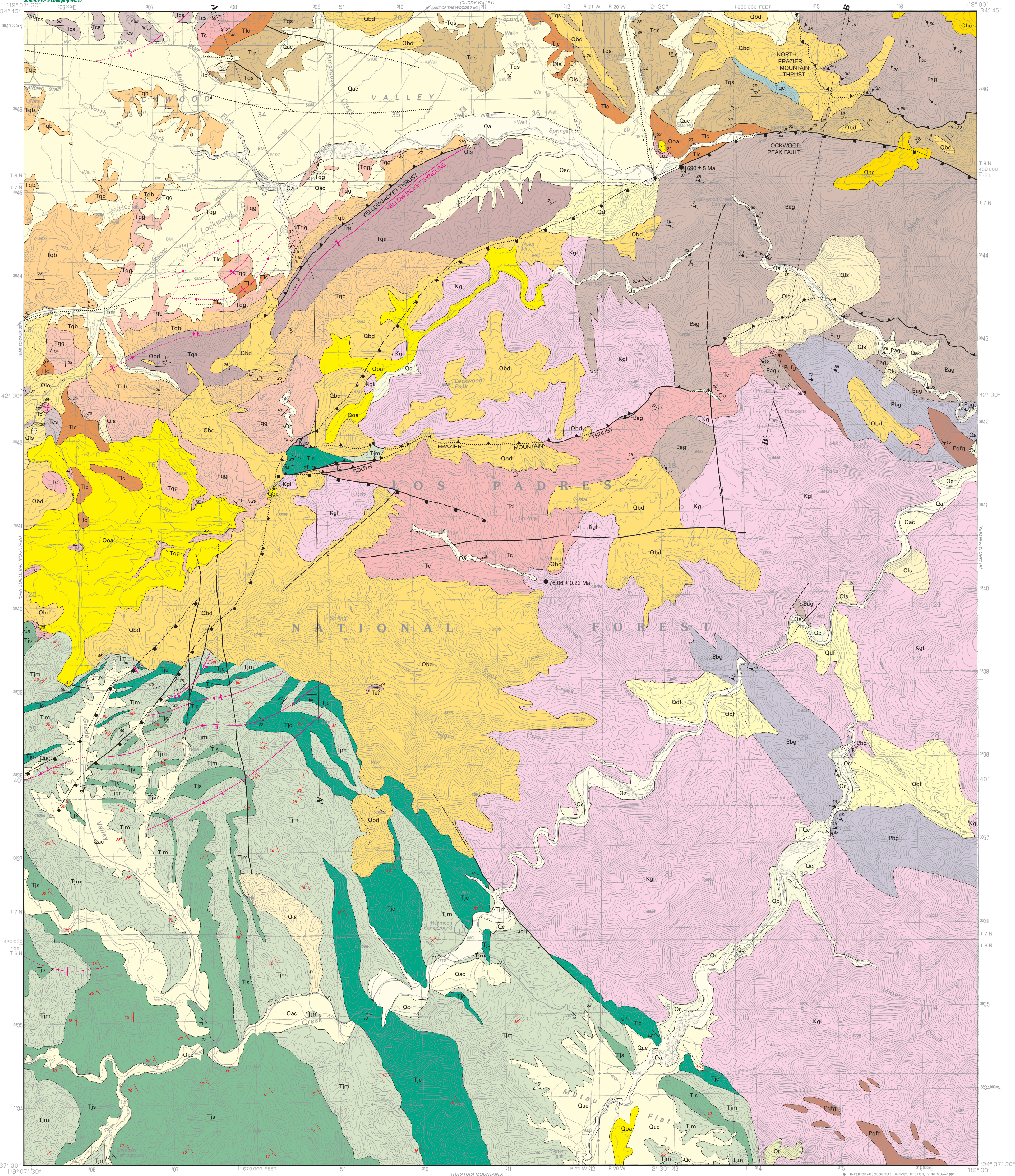
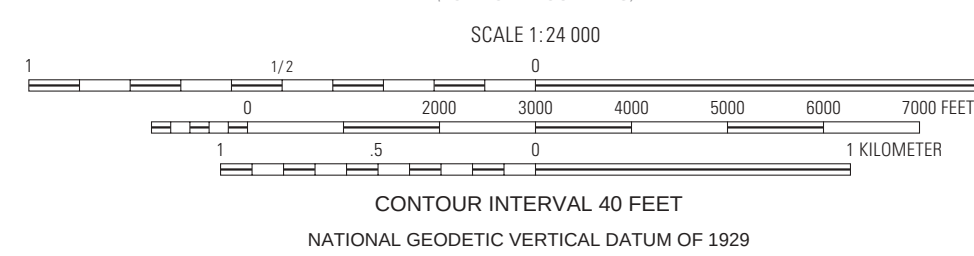
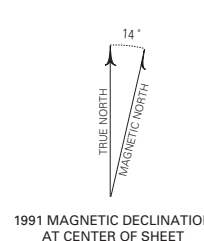




Base from U.S. Geological Survey, 1991.
Lambert conformal conic projection, 1927 North American Datum
10,000-foot grid ticks: California Coordinate System, zone 5
1000-meter Universal Transverse Mercator grid, zone 11

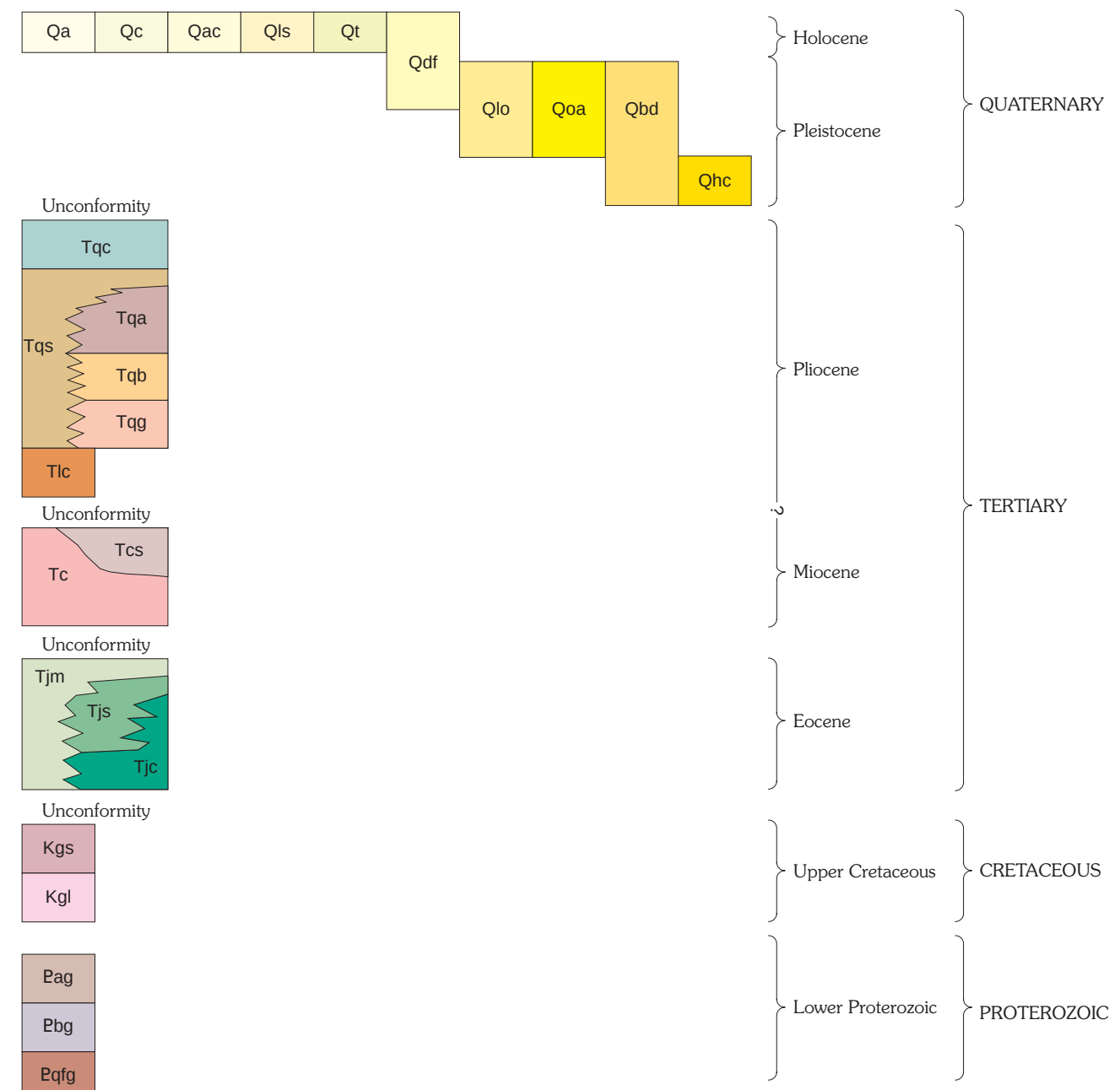


Geology was mapped 1996-1997
Digital Cartography by T. R. Brandt.
Cartographic assistance from O. D. Young.
This map is preliminary and has not been
reviewed for conformity with U.S. Geological
Survey editorial standards or with the North
American Stratigraphic code.

GEOLOGIC MAP OF THE LOCKWOOD VALLEY QUADRANGLE, VENTURA COUNTY, CALIFORNIA

By
Karl S. Kellogg
2001

CORRELATION OF MAP UNITS



LIST OF MAP UNITS

Qa	Alluvium (Holocene)
Qc	Colluvium (Holocene)
Qac	Alluvium, loess, and colluvium, undifferentiated (Holocene)
Qls	Landslide deposits (Holocene)
Qt	Talus (Holocene)
Qd	Debris-flow deposit (Holocene and upper Pleistocene)
Qlo	Older landslide deposit (upper? Pleistocene)
Qoa	Older alluvium (upper? Pleistocene)
Qbd	Boulder diamicton (Pleistocene)
Qhc	High-level conglomerate (lower? Pleistocene)
Qual Formation (Pliocene)	
Tgc	Sandstone and conglomerate member
Tqs	Sandstone and siltstone member
Tga	Arkosic member
Tqb	Brown member
Tqg	Green claystone and sandstone member
Tlc	Lockwood Clay (Pliocene or Miocene)
Tc	Caliente Formation, undifferentiated (Miocene)
Tcs	Green claystone and sandstone member
Juncal Formation (Eocene)	
Tjm	Mixed shale and sandstone member
Tjs	Sandstone member
Tjc	Conglomerate member
Kgs	Quartz monzonite of Sheep Creek (Upper Cretaceous)
Kgl	Granodiorite of Lockwood Mountain (Upper Cretaceous)
Ebg	Frazier Mountain augen gneiss (Lower Proterozoic)
Ebgf	Biotite gneiss (Lower Proterozoic)
Ebfj	Quartzofeldspathic gneiss (Lower Proterozoic)

— — —	Contact -- Dashed where approximately located, dotted where concealed
— + —	Normal fault -- Dashed where approximately located; showing dip where known; dotted where concealed; bar and ball on downthrown side
— — —	Reverse fault -- Dashed where approximately located, dotted where concealed; rectangles in upper plate
— — —	Tear fault -- Dashed where approximately located, dotted where concealed; arrows show apparent strike-slip movement
— — —	Thrust fault -- Dashed where approximately located; dotted where concealed; sawteeth on upper plate
— — —	Plunging anticline -- Trace of axial plane; dotted where concealed; showing direction of plunge
— — —	Plunging anticline -- Trace of axial plane; dashed where inferred; dotted where concealed; showing direction of plunge
— — —	Overturned anticline -- Trace of axial plane
— — —	Overturned syncline -- Trace of axial plane; dotted where concealed
Strike and dip of beds	
— 40°	Inclined
— 40°	Inclined -- from Dibblee (1979)
— 40°	Inclined -- approximate
— 0°	Horizontal
— 70°	Overturned
Strike and dip of foliation	
— 40°	Inclined
— + —	Vertical
Bearing and plunge of lineation	
— 40° 45°	Strike and dip of foliation and bearing and plunge of associated lineation
● 1690 ± 5 Ma	Uranium - Lead zircon date (W.R. Premo, unpub. data, 1997)

SOURCES OF GEOLOGICAL DATA

1	1. K.S. Kellogg, unpublished mapping, 1996-97
2	2. Modified from Dibblee, 1979
3	3. Some foliation attitudes from Carmen, 1964.

