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Prepared in cooperation with the U.S. Geological Survey,
 Southern California Areal Mapping Project

GEOLOGIC MAP OF THE VENTURA 7.5' QUADRANGLE VENTURA COUNTY, CALIFORNIA: A DIGITAL DATABASE

VERSION 1.0

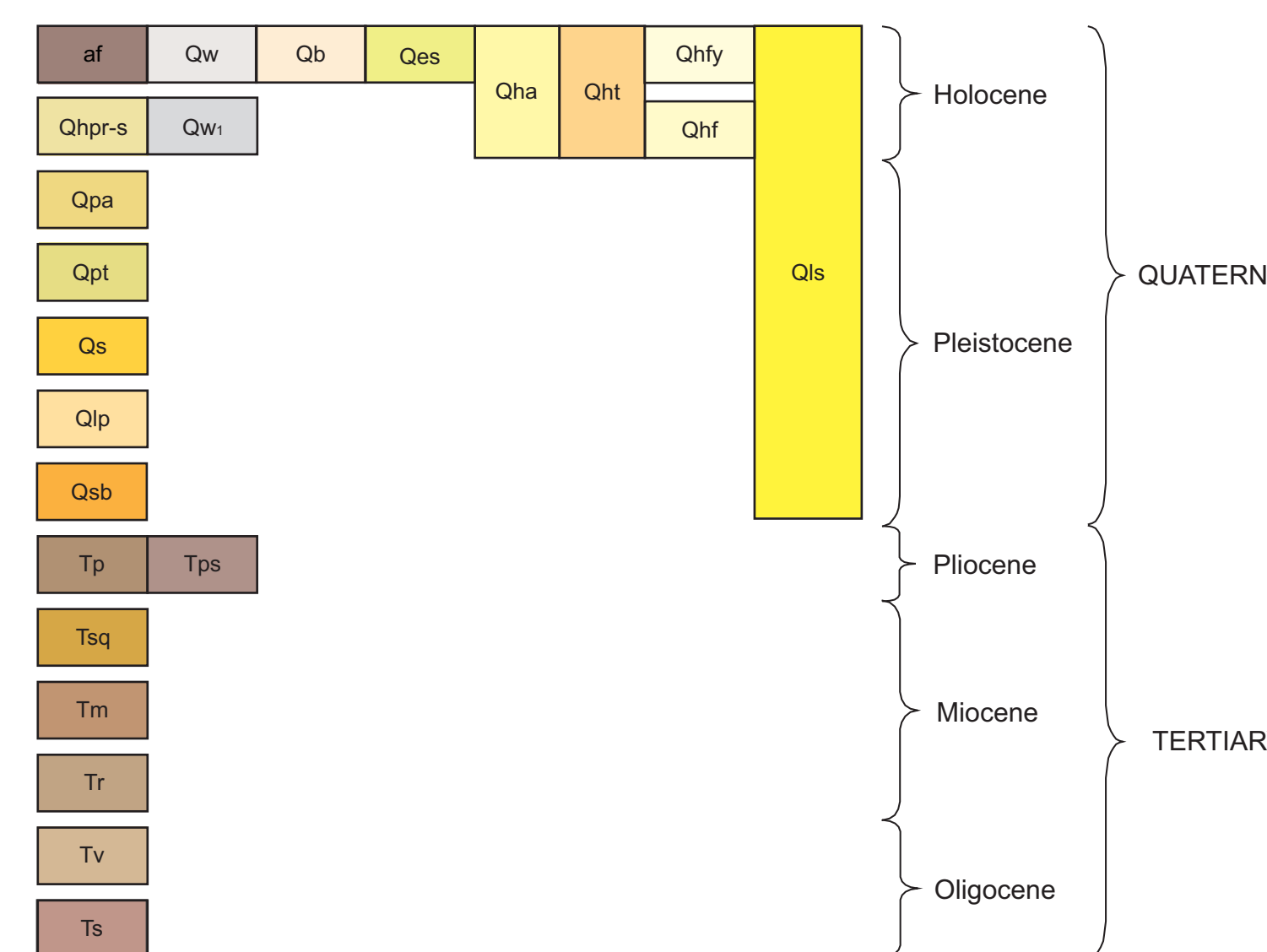
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Digital Database by:
 Kelly Corriea³
 2003

1. California Geological Survey, Los Angeles, CA
2. California Geological Survey, San Francisco, CA
3. U.S. Geological Survey, Riverside, CA



CORRELATION OF MAP UNITS



EXPLANATION OF MAP UNITS

- af** Artificial fill material; may be engineered and/or non-engineered.
- Qw** Active wash deposits within major river channels; composed of unconsolidated sand, gravel and silt.
- Qb** Active beach deposits; consist mainly of loose sand, fine to coarse-grained.
- Qes** Active coastal estuarine deposits; composed of saturated silty clay with some fine sand.
- Qhfy** Latest Holocene alluvial fan deposits, deposited by streams emanating from mountain canyons onto alluvial valley floors; deposits originate as debris flows, hyperconcentrated mudflows, or braided stream flows; composed of moderately to poorly sorted, and moderately to poorly bedded sandy clay with some gravel.
- Qw1** Historically active wash deposits adjacent to active channel; composed of unconsolidated sand, silt and gravel.
- Qha** Undivided Holocene alluvial and colluvial deposits on the floors of valleys, includes active stream deposits in hill slope areas; composed of unconsolidated sandy clay with some gravel.
- Qht** Holocene stream terrace deposits, deposited in point bar and overbank settings; composed of unconsolidated clayey sand and sandy clay with gravel.
- Qhf** Holocene alluvial fan deposits; deposited by streams emanating from mountain canyons onto alluvial valley floors; deposits originate as debris flows, hyperconcentrated mudflows, or braided stream flows; composed of moderately to poorly sorted, and moderately to poorly bedded, sandy clay with some gravel.
- Qls** Holocene to Pleistocene landslide deposits, include numerous active landslides; composed of weathered broken up rocks; extremely susceptible to renewed landsliding.
- Qhpr-s** Holocene paralic deposits of the Sea Cliff marine terrace 1800 to 5800 years old (Lajoie, and others, 1982); composed of semi-consolidated sandy clay with some gravel.
- Qpt** Undivided Pleistocene stream terrace deposits, consists of consolidated clay sand, gravel, cobble and some boulder size material.
- Qpa** Pleistocene undivided alluvial deposits, consist of consolidated silt, sand, clay, and gravel.
- Qs** Pleistocene Saugus Formation; weakly consolidated alluvial deposits composed of sandstone and siliceous shale gravel and cobbles in sandy matrix; highly susceptible to landsliding.
- Qlp** Pleistocene Las Posas Sandstone; weakly indurated sand, with some gravelly sand units; highly susceptible to landsliding.
- Qsb** Pleistocene Santa Barbara claystone; locally contains Monterey Formation shale fragments; highly susceptible to landsliding.
- Qtp** Pliocene undivided Pico Formation, composed of claystone, siltstone, sandstone, locally pebbly; generally susceptible to landsliding.
- Qtps** Pliocene Pico Formation portion containing sandstone; generally resistant to landsliding.
- Qsq** Pliocene-Miocene Sisquoc Shale; silty shale and claystone; generally susceptible to landsliding.
- Qtm** Miocene Monterey Formation; consists of siliceous and diatomaceous shale and some sandstone and limestone; generally susceptible to landsliding.
- Qtr** Miocene Rincon Shale; composed of shale and siltstone; generally susceptible to landsliding.
- Qtv** Early Miocene Vaqueros Sandstone; consists of sandstone, locally calcareous.
- Qts** Oligocene Sespe Formation; composed of sandstone; locally pebbly, with some siltstone and claystone.

MAP SYMBOLS

- Contact between map units; generally approximately located or inferred; dotted where concealed.
- Fault; approximately located or inferred, queried where location is uncertain; dotted where concealed.
- Landslide; arrow indicates principal direction of movement, queried where existence is questionable (some geologic features are drawn within questionable landslides); hachured where headscarp is mappable.
- Strike and dip of bedding.
- Axis of anticline; dotted where concealed; arrow indicates direction of plunge.
- Axis of syncline; dotted where concealed.

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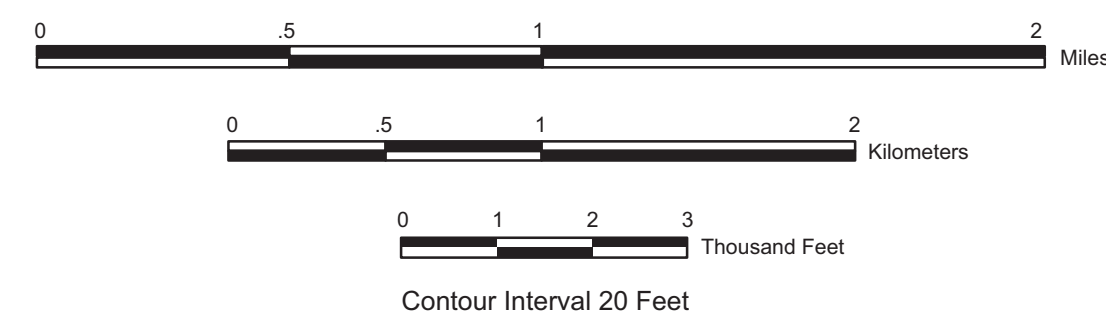
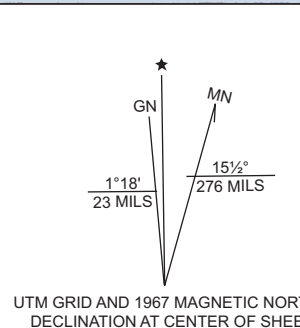
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Topographic base from the U.S. Geological Survey. Polyconic Projection.



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