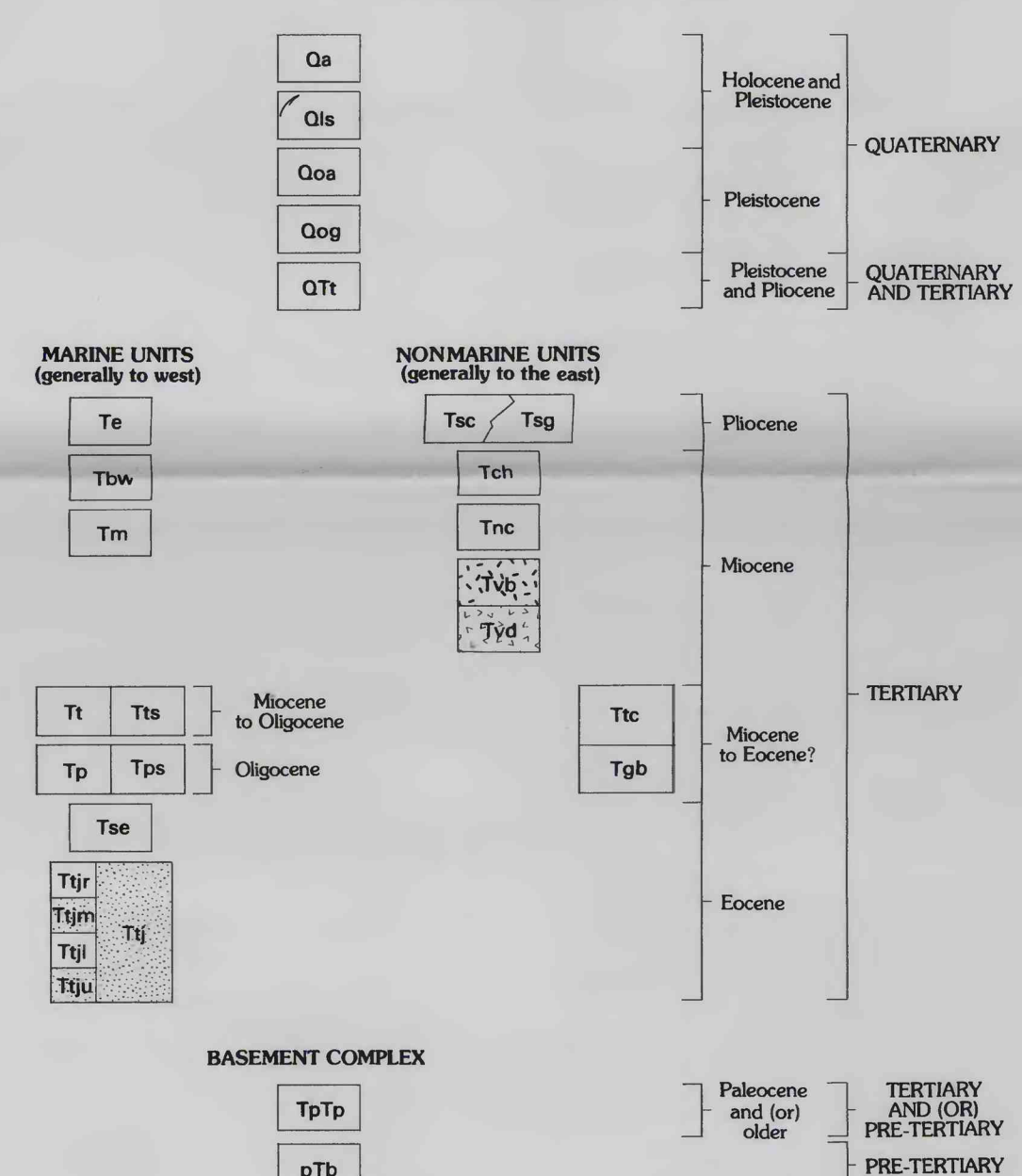


INDEX TO 7.5-MINUTE QUADRANGLES

PENTLAND	CONNOR SW	COAL OIL CANYON	METTLER	TEJON HILLS
SANTIAGO CREEK	EAGLE REST PEAK	PLEITO HILLS	GRAPEVINE	PASTORA CREEK

CORRELATION OF MAP UNITS



DESCRIPTION OF MAP UNITS

- NONMARINE UNITS (generally to east)**
- Qa ALLUVIUM
  - Qls LANDSLIDE DEPOSITS — Arrow shows direction of movement
  - Qoa OLDER ALLUVIUM
  - Qog OLDER FAN GRAVEL
  - QTI TULARE FORMATION — Terrestrial gravel
- MARINE UNITS (generally to west)**
- Te ETCHICOIN FORMATION — Sandstone
  - Tbw BITTERWATER CREEK SHALE — Siliceous mudstone
  - Tm MONTEREY SHALE — Siliceous shale
  - Tt TEMBLOR FORMATION
  - Mostly shale
  - Tts Mostly sandstone
  - PLEITO FORMATION
  - Mostly shale
  - Tp Mostly sandstone
  - Tps Mostly sandstone
  - Tse SAN EMIGDIO FORMATION
  - Tji TEJON FORMATION — Divided into:
    - Tjir Reed Canyon Siltstone Member
    - Tjrm Metalle Sandstone Member
    - Tjli Liveoak Shale Member
    - Tjlu Uvas Conglomerate Member

NONMARINE UNITS (generally to east)

- SEDIMENTARY ROCKS**
- Tsc Mostly clay
  - Tsg Mostly gravel and sand
  - Tch CHANAC FORMATION — Gravel and sand
  - Tnc UNNAMED CONGLOMERATE
- VOLCANIC ROCKS**
- Tvd Basalt
  - Tdc Dacite
  - Ttc TECUYA FORMATION — Conglomerate, sandstone, and mudstone
  - Tgb GRANITIC BRECCIA
- BASEMENT COMPLEX**
- TpTp PELONA SCHIST
  - pTb BASEMENT ROCKS — Granitic and mafic plutonic and meta-sedimentary rocks

- CONTACT**
- FAULT — Dashed where approximately located; dotted where concealed; queried where probable or doubtful. u, upthrown side; d, downthrown side. Double arrows show relative horizontal movement.
  - THRUST FAULT — Dashed where approximately located; dotted where concealed. Sawtooth on upper plate. Single arrow shows dip.
  - ANTICLINE — Showing trace of crestal plane and direction of plunge. Dashed where approximately located; dotted where concealed.
  - SYNCLINE — Showing trace of crestal plane and direction of plunge. Dashed where approximately located; dotted where concealed.
- STRIKE AND DIP OF BEDDING**
- 55° Inclined
  - 60° Overturned
  - Vertical
- STRIKE AND DIP OF FOLIATION**
- Inclined
  - Vertical
- DOWNSLOPE MOVEMENT OF LANDSLIDE**
- 
- OIL WELL**
- o
- ABANDONED OIL WELL OR DRY HOLE**
- o
- LOCALITIES**
- M USGS megafossil locality
  - m USGS microfossil locality
  - ca California Academy of Science locality
  - ucla Univ. California at Los Angeles locality
  - ssa Stanford Univ. locality

GEOLOGIC MAP OF SAN EMIGDIO AND WESTERN TEHACHAPI MOUNTAINS, KERN COUNTY, CALIFORNIA