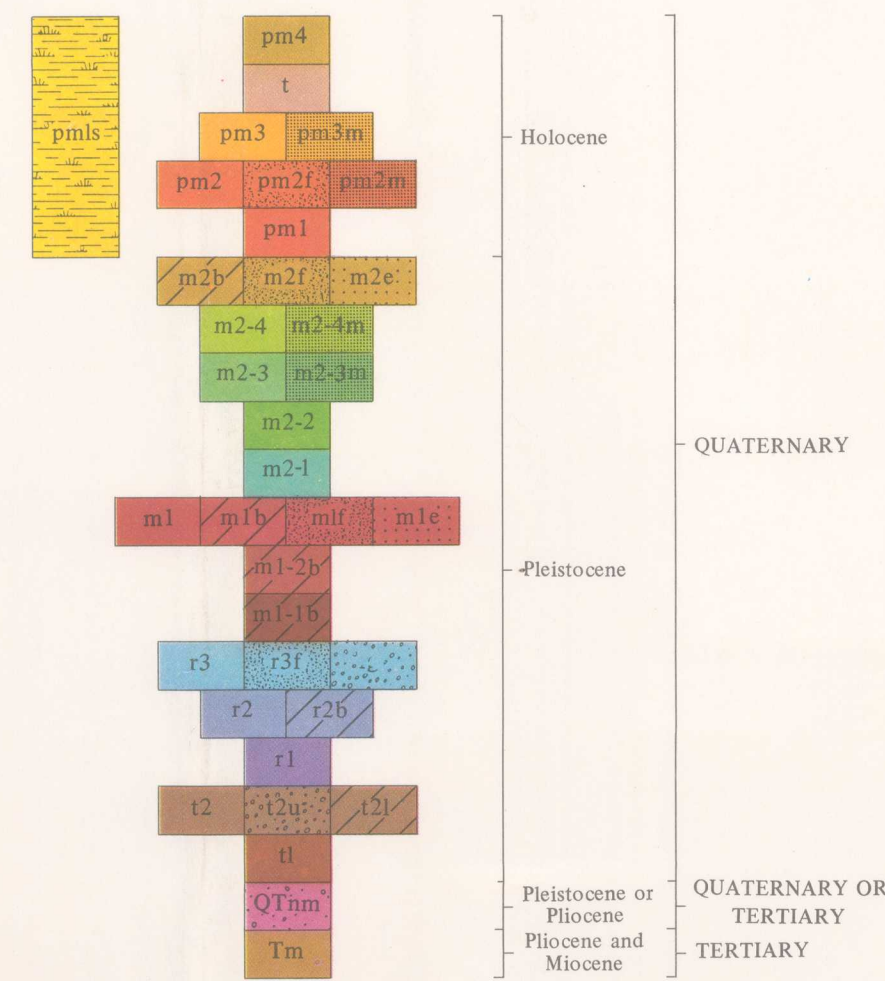


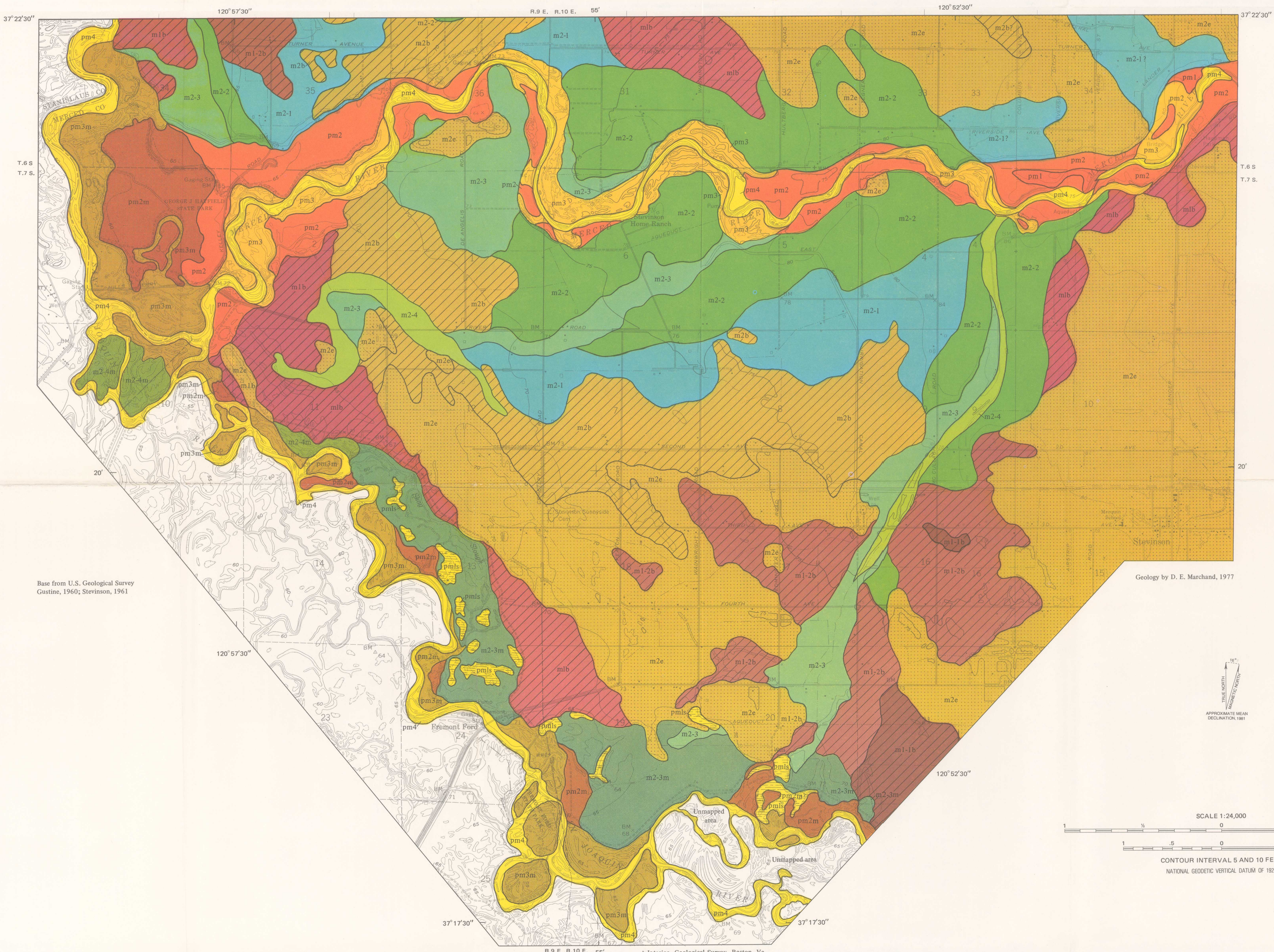
Snelling Area

CORRELATION OF MAP UNITS



DESCRIPTION OF MAP UNITS

- pm4 POST-MODESTO MARSH AND LACUSTRINE DEPOSITS
- pm3 POST-MODESTO IV ALLUVIUM (modern)
- t DREDGE TAILINGS
- POST-MODESTO III DEPOSITS (historic)
- pm3 Arkosic alluvium along major westward-flowing rivers—Derived from interior of Sierra Nevada
- pm3m Alluvium of mixed Sierran and Coast Ranges sources—Found along lower San Joaquin River
- POST-MODESTO II DEPOSITS (late Holocene)
- pm2 Arkosic alluvium along major westward-flowing river—Derived from interior of Sierra Nevada
- pm2f Locally derived alluvium from small foothill watersheds—Commonly derived from andesitic or metamorphic source material
- pm2m Alluvium of mixed Sierran and Coast Ranges sources—Found along lower San Joaquin River
- pm1 POST-MODESTO I ALLUVIUM (early? Holocene)—Arkosic alluvium along major westward-flowing rivers. Derived from interior of Sierra Nevada
- MODESTO FORMATION
- Upper member—Divided into:
 - m2b Fine-grained stratified alluvium of flood basins, lower fans, and intertributary areas
 - m2f Locally derived alluvium from small foothill watersheds—Commonly derived from andesitic or metamorphic source material
 - m2e Eolian sand
 - m2-4 Phase four, arkosic alluvium along major westward-flowing rivers—Derived from interior of Sierra Nevada
 - m2-4m Phase four, alluvium of mixed Sierran and Coast Ranges sources—Exposed along lower San Joaquin River
 - m2-3 Phase three, arkosic alluvium along major westward-flowing rivers—Derived from interior of Sierra Nevada
 - m2-3m Phase three, alluvium of mixed Sierran and Coast Ranges sources—Found along lower San Joaquin River
 - m2-2 Phase two, arkosic alluvium along major westward-flowing rivers—Derived from interior of Sierra Nevada
 - m2-1 Phase one, arkosic alluvium along major westward-flowing rivers—Derived from interior of Sierra Nevada
- Lower member—Divided into:
 - m1 Arkosic alluvium along major westward-flowing rivers—Derived from interior of Sierra Nevada. Upper fans and terraces
 - m1b Fine-grained, stratified alluvium of flood basins, lower fans, and intertributary areas
 - m1f Locally derived alluvium from small foothill watersheds—Commonly derived from andesitic or metamorphic source material
 - m1e Eolian sand
 - m1-2b Phase two, deposits of flood basins, lower fans, and intertributary areas
 - m1-1b Phase one, deposits of flood basins, lower fans, and intertributary areas
- RIVERBANK FORMATION
- Upper unit—Includes:
 - r3 Arkosic sandy channel alluvium
 - r3f Locally derived alluvium from small foothill watersheds—Commonly derived from andesitic or metamorphic source material
 - r3e Coluvial gravel
- Middle unit—Includes:
 - r2 Arkosic sandy channel alluvium and minor eolian sand
 - r2b Arkosic fine sandy alluvium of intertributary areas and flood basins
 - r1 Lower unit
- TURLOCK LAKE FORMATION
- Upper unit—Divisible into:
 - t2 Undifferentiated arkosic alluvium
 - t2u Uppermost coarse sand and minor gravel—More strongly weathered than unit t2
 - t2f Lower part—Fine grained and stratified; less weathered than unit t2u
 - t1 Lower unit—Undifferentiated arkosic alluvium
- NORTH MERCED GRAVEL
- Tm MEHRTEN FORMATION



Area near confluence of Merced and San Joaquin Rivers

GEOLOGIC MAP OF THE SNELLING AREA AND THE AREA NEAR THE CONFLUENCE OF THE MERCED AND SAN JOAQUIN RIVERS, MERCED COUNTY, CALIFORNIA