









Geologic Units		Geologic Units (continued)		Symbols	
af	Artificial fill	Unconformity	Tmpe	Etwa Member of the Pismo Formation; fine- to coarse-grained sandstone, locally bituminous	Contact: solid where well located, dashed where approximate, dotted where concealed, queried where inferred
Qa	Marine sediments, offshore; includes unconsolidated marine sands and silts on the continental shelf	Unconformity	Tmgn	Miguelito Member of the Pismo Formation; brown claystone and siltstone	Syncline: solid where well located, dashed where approximate, dotted where concealed, queried where inferred
Qsw	Sand wave deposits, offshore dune-like sand deposits typically less than 50 m thick, modified by large storm surges	Unconformity	Tmpe	Monterey Formation; chert with siliceous and dolomitic siltstone, tuffaceous sandstone, diatomite, and opaline and probosciteous siltstone	Anticline: solid where well located, dashed where approximate, dotted where concealed, queried where inferred
Qm	Aluminum unconsolidated gravel, sand, silt, and clay	Progressive unconformity	Tmo	Obispo Formation; unfossiliferated	Fault: Tertiary age or older (inactive), solid where well located, dashed where approximate, dotted where concealed, queried where inferred
Qc	Caliche; unconsolidated poorly-sorted gravel, sand, silt, and clay produced by hillside processes	Unconformity	Tmop	Obispo Formation; tuffaceous and diatomaceous sandstone and silty sandstone	Fault: slip rate < 1 mm/yr, solid where well located, dashed where approximate, dotted where concealed, queried where inferred
Qls	Landslide deposits; arrows show direction of inferred movement	Unconformity	Tmop	Obispo Formation; diabase	Fault: slip rate ≥ 1 mm/yr, solid where well located, dashed where approximate, dotted where concealed, queried where inferred
Qe	Eolian deposits; active and inactive sand dunes	Unconformity	Tmop	Obispo Formation; resistant zirconized tuff	Hoag's fault; slip rate ≥ 1 mm/yr, generally covered but shown as solid where well located, dashed where moderately expressed
Qcr	Fluvial terrace deposits; unconsolidated gravel, sand, silt, and clay deposited in stream valleys	Unconformity	Tmop	Rincon Formation; dark brown siltstone, and silty claystone	Lineament; solid where well expressed, dashed where moderately expressed
Qcs	Fluvial channel deposits, offshore; generally overlain by transgressive marine sand and silt	Unconformity	Qm	Vacaetas Sandstone; conglomerate and sandstone, with local coquina horizon	Measured bedding orientation
Qm	Marine terrace deposits; unconsolidated gravel, sand, silt, and clay commonly overlain by alluvial fan and colluvial deposits	Unconformity	Qm	Unfossiliferated well bedded brown fine- to coarse-grained arkosic to silty sandstone with shale	Picks of faults and fold axes interpreted from shallow seismic survey lines
Qsa	Clear aluminum poorly consolidated siltstone, claystone, and conglomerate	Unconformity	Kf	Franciscan Complex, unfossiliferated	Diver sample, formation indicated
Unconformity	Tmp	Unconformity	Kfms	Franciscan Complex rocks, melange; sheared shale, mudstone and siltstone with knobs of graywacke, siltstone, conglomerate, metavolcanic rocks, and green, white, or red chert	Core sample, formation indicated
Unconformity	Tpps	Local unconformity	Kfms	Brewster Member of the Pismo Formation; sandy claystone, siltstone; claystone and fine-grained sandstone, diatomaceous horizons	
Unconformity	Tppb	Unconformity	Kfms	Franciscan Complex, metavolcanic rocks	
Unconformity	Tppg	Unconformity	Kfms	Franciscan Complex, ophiolite	
Unconformity	Tppk	Unconformity	Kfms	Serpentine	



**PLATE B-1D**  
**SOUTHEAST SECTION GEOLOGIC MAP**  
**POINT SAN LUIS TO PISMO BEACH**

**DATA SOURCES and NOTES:**  
 - 2010 Project DEM image is shown. This DEM includes 1 m multi-beam bathymetry data (PG&E, 2010), 1 m near-shore LIDAR topography data (PG&E, 2010) and 5 m SLO County InSAR data (SLO County, 2008)  
 - Map Projection: UTM Zone 10N, NAD 1983, Map Scale: 1:12,000

0 0.1 0.2 0 1,000 2,000 0 100 200 400  
 Nautical Miles Feet Meters

**Pacific Gas and Electric Company**  
 File path: S:\3800\3818\3818-02\Map\3818-02\Plate\_B-1D.mxd, Date: 11/27/2010, User: S. Borker