



PLATE B-1C
SOUTH SECTION GEOLOGIC MAP
DOUBLE ROCK TO SAN LUIS HILL

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

Geologic Units		Geologic Units (continued)		Symbols	
Qf	Artificial fill	Unconformity	Tmpe Edna Member of the Pismo Formation; fine- to coarse-grained sandstone, locally silty	Contact	Solid where well located, dashed where approximate, dotted where concealed, queried where inferred
Qs	Marine sediments offshore; includes unconsolidated marine sands and silts on the continental shelf	Unconformity	Tmnm 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	Tmm Monterey Formation; chert with siliceous and dolomitic siltstone, buffaceous sandstone, diatomite, and opaline and protoconch shells	Anticline	Solid where well located, dashed where approximate, dotted where concealed, queried where inferred
Qe	Aluvium; unconsolidated gravel, sand, silt, and clay	Progressive unconformity	Tmo Obispo Formation; undifferentiated	Fault	Tertiary age or older (inactive), solid where well located, dashed where approximate, dotted where concealed, queried where inferred
Qa	Aluvium; unconsolidated poorly-sorted gravel, sand, silt, and clay produced by hillslope processes		Tmcd Obispo Formation; buffaceous 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
Ql	Landslide deposits; arrows show direction of inferred movement		Tmrd Obispo Formation; diabase	Hogst	Slip rate > 1 mm/yr; generally covered but, shown as solid where well located, dashed where approximate, queried where inferred
Qd	Eolian deposits; active and inactive sand dunes		Tmtr Obispo Formation; resistant cemented tuff	Lineament	Solid where well expressed, dashed where moderately expressed
Qf	Fluvial terrace deposits; unconsolidated gravel, sand, silt, and clay deposited in stream valleys		Tmbr Rincon Formation; dark brown siltstone, and silty claystone	Measured bedding orientation	Arrow pointing in direction of bedding
Qca	Fluvial channel deposits, offshore, generally overlain by transgressive marine sand and silt		Unconformity	Pole of fault and fold axes	Interpreted from shallow seismic survey lines
Qm	Marine terrace deposits; unconsolidated gravel, sand, silt, and clay commonly overlain by alluvial fan and cultural deposits		Unconformity	Diver sample, formation indicated	Circle with 'D' and formation code
Qsa	Older alluvium; poorly consolidated siltstone, claystone, and conglomerate		Unconformity	Core sample, formation indicated	Circle with 'C' and formation code
		Unconformity	Tmp Pismo Formation; undifferentiated		
		Unconformity	Tps Squia Member of the Pismo Formation; massive white to tan, medium- to coarse-grained sandstone		
		Local unconformity	Tpnt Bellevue Member of the Pismo Formation; sandy claystone, siltstone, claystone and fine-grained sandstone; diatomaceous horizon		
		Unconformity	Tpoc Grays Member of the Pismo Formation; fine- to medium-grained sandstone, rare diatomaceous siltstone, pebble conglomerate, and balmuccia sandstone		
		Unconformity	U1 Un differentiated well located brown fine- to coarse-grained arkose to siltic sandstone with shale		
		Unconformity	U2 Franciscan Complex, undifferentiated		
		Unconformity	U3 Franciscan Complex rocks, melange; sheared shale, mudstone and siltstone with knobbies of graywacke, schist, conglomerate, metabasitic rocks, and green white, or red chert		
		Unconformity	U4 Franciscan Complex, metavolcanic rock		
		Unconformity	U5 Franciscan Complex, ophiolite		
		Unconformity	U6 Serpentine		

Note: See Tables B-2, B-3, and B-4 for descriptions of diver and core samples. Geologic units with two labels separated by a slash (e.g., Qm/Qa) indicate depth profiles in which the former unit overlies the latter.