D-02

Geologic Units

Quaternary

- af — Artificial fill
- Qs — Marine sediments, offshore; includes unconsolidated marine sands and silts on the continental shelf
- Qsw — Sand wave deposits, offshore dune-like sand deposits typically less than 50 cm thick mobilized by large storm surges
- Qal — Alluvium; unconsolidated gravel, sand, silt, and clay
- Qc — Colluvium; unconsolidated poorly-sorted gravel, sand, silt, and clay produced by hillslope processes
- Qls — Landslide deposits; arrows show direction of inferred movement
- Qe — Eolian deposits; active and inactive sand dunes
- Qf — Fluvial terrace deposits; unconsolidated gravel, sand, silt, and clay deposited in stream valleys
- Qcs — Fluvial channel deposits, offshore; generally overlain by transgressive marine sand and silt
- Qm — Marine terrace deposits; unconsolidated gravel, sand, silt, and clay commonly overlain by alluvial fan and colluvial deposits
- Qoa — Older alluvium; poorly consolidated siltstone, claystone, and conglomerate

Tertiary — Pliocene

Unconformity

- Tmp — Pismo Formation; undifferentiated
- Tpps — Squire Member of the Pismo Formation; massive white to tan, medium- to coarse-grained sandstone

Local unconformity

- Tpob — Belleview Member of the Pismo Formation; sandy claystone, siltstone; claystone and fine-grained sandstone, diatomaceous horizons
- Tpog — Gragg Member of the Pismo Formation; fine- to medium-grained sandstone, rare diatomaceous siltstone, pebble conglomerate, and bituminous sandstone

Geologic Units (continued)

Tertiary — Miocene

Unconformity

- Tmpe — Edna Member of the Pismo Formation; fine- to coarse-grained sandstone, locally bituminous
- Tmpm — Miguelito Member of the Pismo Formation; brown claystone and siltstone

Unconformity

- Tmm — Monterey Formation; chert with siliceous and dolomitic siltstone, tuffaceous sandstone, diatomite, and opaline and procelaneus shale

Progressive unconformity

- Tmo — Obispo Formation, undifferentiated
- Tmof — Obispo Formation; tuffaceous and diatomaceous sandstone and silty sandstone
- Tmod — Obispo Formation; diabase
- Tmor — Obispo Formation; resistant zeolitized tuff

Tertiary — Oligocene

Unconformity

- Tmr — Rincon Formation; dark brown siltstone, and silty claystone

Unconformity

- Tmv — Vaqueros Sandstone; conglomerate and sandstone, with local coquina horizon

Jurassic/Cretaceous

Unconformity

- undifferentiated — Undifferentiated well bedded brown fine- to coarse-grained arkosic to lithic sandstone with shale

Faulted

- KJfr — Franciscan Complex, undifferentiated
- KJfm — Franciscan Complex rocks, melange: sheared shale, mudstone and siltstone with knockers of graywacke, schist, conglomerate, metavolcanic rocks, and green, white, or red chert
- KJfmv — Franciscan Complex, metavolcanic rocks
- KJfc — Franciscan Complex, ophiolite
- Ks — Serpentite

Symbols

- Contact; solid where well located, dashed where approximate, dotted where concealed, queried where inferred
- Syncline; solid where well located, dashed where approximate, dotted where concealed, queried where inferred
- Anticline; solid where well located, dashed where approximate, dotted where concealed, queried where inferred
- Fault; Tertiary age or older (inactive), solid where well located, dashed where approximate, dotted where concealed, queried where inferred)
- Fault; slip rate <1 mm/yr, solid where well located, dashed where approximate, dotted where concealed, queried where inferred)
- Hosgri fault; slip rate ≥1 mm/yr, generally covered but, shown as solid where well located, dashed where approximate, queried where inferred
- Lineament; solid where well expressed, dashed where moderately expressed
- Measured bedding orientation
- Picks of faults and fold axes interpreted from shallow seismic survey lines
- Diver sample, formation indicated
- Core sample, formation indicated

Note: See Table 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., Qc/Qoa) indicate depth profiles in which the former unit overlies the latter.

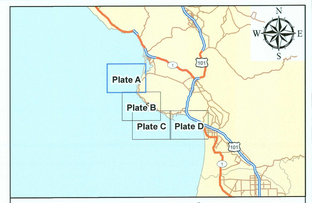

Plate B-1A
NORTH SECTION GEOLOGIC MAP
MORRO BAY TO POINT BUCHON

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

Pacific Gas and Electric Company

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TRACE C1
TRACE C
TRACE A2
HOSGRI FAULT ZONE
TRACE C1
TRACE C2
N 40° W FAULT
Islay Creek
Islay Point
Point Buchon
Hazard Canyon
MBO-2
-556 (Tpc?)
35.3° N
121° W
120.95° W
120.9° W