

LEGEND

PROJECT AREA GEOLOGY

SURFICIAL SEDIMENTS

- Qa Valley and floodplain deposits of clay silt, sand and gravel
- Qls Landslide Debris
- Qoa Older dissected surficial deposits

SISQUOC SHALE

- Tsqd White-weathering, cream-white, punky laminated diatomite, some thin ash beds

MONTEREY SHALE

- Tm Uppershale Unit; white-weathering, thin bedded, hard, brittle cherty siliceous shale with black lilty laminae; Mohnian Stage
- Tmd Punky white laminated diatomite
- Tml Lower shale unit; white-weathering, soft, punky, fissile to platy, semi-siliceous shale, containing thin, gray-white calcareous strata; Luisian and Relizian Stages
- Tmls Massive light gray carbonate (dolomite) unit; lowest part sandy and locally pebbly in northeastern area

TRANQUILLION VOLCANIC FORMATION

- Ttr Gray-white to tan, rhyolitic to andesitic flow breccia

VAQUEROS SANDSTONE

- Tvqcg Greenish-brown pebble conglomerate composed mostly of Franciscan detritus in sandstone matrix, commonly fossiliferous; gray cobble conglomerate at La Salle Canyon; in most areas, uppermost part composed of greenish-tan, semi-friable sandstone

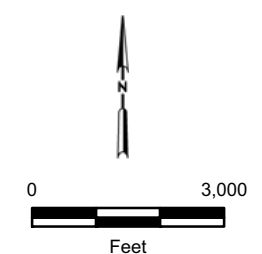
GAVIOTA - SACATE FORMATIONS, UNDIVIDED

- Tg-Sa Tan, semi-friable, thick bedded sandstone locally containing concretions and fossils, and interbedded gray micaceous siltstone and clay stone; Refugian and upper Narizian (?) Stages

COZY DELL SHALE

- Tcd Light gray micaceous shale with minor thin, light gray to tan arkosic sandstone strata; Narizian Stage

- Proposed PG&E Power Line
- 500-ft Buffer of Proposed PG&E Power Line
- Applicant Leased Project Boundary



**FIGURE 3.9-1
GEOLOGY WITHIN
THE PROJECT AREA**
LOMPOC WIND ENERGY PROJECT
SANTA BARBARA COUNTY, CALIFORNIA

Source: Adapted from figure prepared by CH2MHill