

# PLATE 1

## EXPLANATION

### Geologic Units

# Geology of the Highway 1 corridor between Point Lobos and San Carpoforo Creek, Monterey and San Luis Obispo Counties, California

## prepared for the COAST HIGHWAY MANAGEMENT PLAN

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Quaternary

Holocene

af	Artificial Fill
Qal	Alluvium
Qb	Beach deposit
Qc	Colluvium
Qdf	Youngest (active) debris fans
Qd	Dune deposits
Qls	Landslide deposits
Qydf	Young debris fans
Qodf	Older Debris fan
Qoa	Older Alluvium

Pleistocene

Qod	Older dune deposits
Qom	Marine terrace deposit, undifferentiated
Qom2	Youngest marine terrace deposits
Qom1	Oldest marine terrace deposit
Qfb	Fault breccia
Qvoa	Very old alluvium
Tmpe	Pismo Fm. Edna member
Tmpm	Pismo Fm. Miguelito member

Tertiary

Miocene

Tmr	Rincon Fm.
Tm	Monterey Fm.
Tss, Tus	Miocene marine sandstone of Clark and others
Tv, Tvb	Miocene volcanic rocks of Clark and others

Paleocene

Tmv	Vaqueros Fm.
Tc	Carmelo Fm.

Cretaceous

Ks, Ku	Cretaceous sandstone & shale
Kush	Cretaceous shale
Kuss	Cretaceous sandstone
Kucg	Cretaceous conglomerate
Kpgd	Porphyritic granodiorite
KMgdc	Granodiorite of Cachagua
KMdsp	Hornblende-biotite quartz diorite
KMct	Charnockitic Tonalite
KMt	Charnockitic tonalite equivalent?

Mesozoic

Jurassic-Cretaceous

KJf	Franciscan complex (undifferentiated)
KJfgw	Franciscan graywacke
KJfmv	Franciscan meta-volcanic
KJfc	Franciscan chert
KJfgs	Franciscan greenschist
KJfmg	Franciscan altered gabbro
KJfsh	Franciscan shale
KJfcg	Franciscan conglomerate
KJfsc	Franciscan silica carbonate rocks
KJfbs	Franciscan Blueschist

Paleozoic?

s	Serpentine
Ps	Sur complex undifferentiated
Pm	Sur complex marble
Ps-q	Sur complex quartz dike



### Location Information

The geologic map is divided into 14 map pages as shown at left, arranged from south to north. Postmiles are shown along Highway One as at right; each mile is labeled and tenths shown by unlabeled circles.



### Geologic structure symbols

	Fault, well located
	Fault, approximately located
	Fault, concealed
	Fault, uncertain
	Fault, offshore
	Anticline, approximately located
	Anticline, concealed
	Overturned anticline, approximately located
	Syncline, approximately located
	Syncline, concealed
	Overturned syncline, approximately located
	Thrust fault, well located
	Thrust fault, approximately located
	Thrust fault, concealed
	Fault, Inclined
	Fault, Vertical
	Inclined Beds
	Inclined Beds, Approximately Located
	Vertical Beds
	Overturned Beds
	Irregular Bedding
	Inclined Foliation/Beds
	Inclined Foliation
	Vertical Foliation
	Deformed Foliation
	Inclined Joint