

**LITHOLOGY**  
Various symbols are combined to show interbedded lithologic types

Tuff	Slate	Schistose metasedimentary rock generally showing marked lineation
Volcanic breccia	Sandstone	
Lava	Thin-bedded chert and slate	
	Limestone	
	Conglomerate	

**EXPLANATION**

	Volcanic rocks and alluvial gravels
	Plutonic rocks
	Ultramafic rocks
<b>Western fault block</b>	
	Peaslee Creek volcanics
	Copper Hill volcanics
	Merced Falls slate
	Salt Spring slate
	Gopher Ridge volcanics
<b>Central fault block</b>	
	Mariposa formation
	Peñon Blanco volcanics
	Epiclastic rocks of uncertain stratigraphic position
<b>Eastern fault block</b>	
	Pcc, chert member; Pcd, limestone
	Argillaceous member
	Upper volcanic member
	Pcc, elastic member; Pcl, limestone
	Undifferentiated

**Structural Symbols:**

- Contact: Dashed where approximately located; short dashed where projected in plane of observation; dotted where inferred.
- Fault: Dashed where approximately located; queried where doubtful; short dashed where projected in plane of observation; dotted where inferred.
- Shear zone:
- Bearing and plunge of minor fold axis:
- Bearing of horizontal minor fold axis:
- Strike and dip of beds:
- Strike and dip of overturned beds:
- Strike of vertical beds:
- Tops of beds:
- Generalized strike and dip of folded beds:

**Structural Symbols (continued):**

- Strike and dip of cleavage:
- Strike of vertical cleavage:
- Strike and dip of parallel bedding and cleavage:
- Strike and dip of schistosity:
- Strike of vertical schistosity:
- Strike and dip of parallel bedding and schistosity:
- Strike of parallel vertical bedding and schistosity:
- Bearing and plunge of lineation:
- Strike and dip of schistosity, showing bearing and plunge of lineation:
- Strike of vertical schistosity, showing bearing and plunge of lineation:

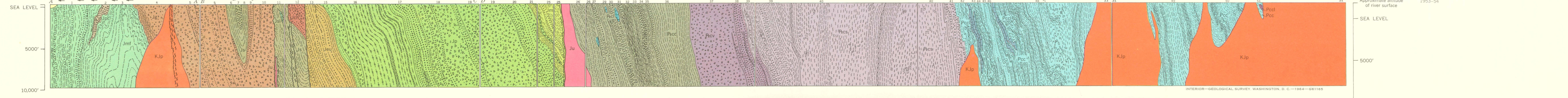
**Map and Section Symbols:**

- Map:
- Section:

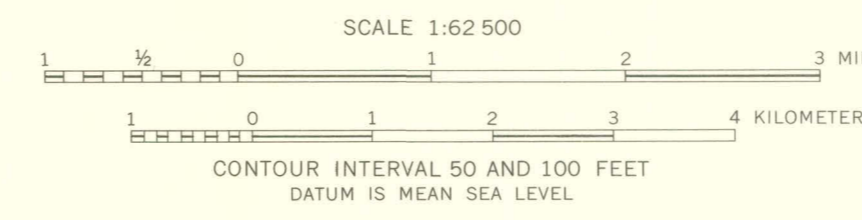
**Geology mapped by L. D. Clark, 1953-54.**

Base from U. S. Geological Survey maps of the Merced Falls, Coulterville and El Portal 15' quadrangles, California.

Note: Numbers refer to units described in Table 1.



**GEOLOGIC MAP AND COMPOSITE SECTION ALONG THE MERCED RIVER, CALIFORNIA**



JURASSIC TERTIARY AND QUATERNARY  
JURASSIC  
PERMIAN  
PALEOZOIC