

Table 4.V-1. Paleontological Sensitivity of Geologic Units Potentially Occurring in the Project Study Areas

Geologic Units	Age	Paleontological Sensitivity
Point Arena to Sacramento		
Alluvium	Recent	High
Basin filling deposit	Recent	Low
Red Bluff Formation/non-marine sediments	Pleistocene	High
Alluvial fan deposits	Pleistocene to Recent	Low
Marine sediments and marine terraces deposits	Pleistocene	High
Non-marine sediments	Pliocene/Pleistocene	High
Cobb Mountain Formation	Pliocene volcanics	High
Merced Formation/marine sediments	Upper Pliocene	High
Tehama Formation/fluvatile/lacustrine	Pliocene	High
Volcanic rock	Pleistocene	Low
Marine sediments	Lower Miocene	High
Markley Formation/marine sediments	Eocene	High
Marine rocks	Cretaceous	High
Chico/Gualala Formation/marine sediments	Upper Cretaceous	High
Marine sediments	Lower Cretaceous	High
Franciscan Formation	Jurassic	Low
Sacramento to California/Nevada Border		
Alluvial fan deposits	Pleistocene to Recent	Low
Non-marine sediments	Pliocene/Pleistocene	High
Fluvial deposits in the Truckee area, including some lake beds	Pleistocene	None
Non-marine sediments	Miocene	High
Non-marine sediments	Eocene	High
Mixed metamorphic, granitic, and volcanic rocks	Cretaceous	None
San Francisco to Santa Clara		
Alluvium	Recent	Low
Marine sediments and marine terrace deposits	Pleistocene	High
Franciscan Formation	Needs local inspections to determine if that part of the unit is potentially fossiliferous	
Pittsburg to Sacramento		
Stream and channel deposits	Recent	Low
Basin filling deposits	Recent	Low
Alluvial fan deposits	Pleistocene to Recent	Low

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Geologic Units	Age	Paleontological Sensitivity
Non-marine sediments	Pleistocene	High
San Luis Obispo to Bakersfield		
Franciscan Formation	Jurassic	Low
Marine sediments	Cretaceous	High
Marine sediments/thin alluvium	Miocene	High
In 12-inch pipeline in sensitive units	Various	Low
Alluvium	Pleistocene	Low
San Luis Obispo to Los Osos Loop		
Alluvium	Pleistocene to Recent	High
Marine sediments and marine terrace deposits	Pleistocene	High
Franciscan Formation/thin alluvium	Cretaceous	None
Riverside to California/Arizona Border		
Alluvial fan deposits	Pleistocene	High
Non-marine sediments	Pliocene	High
Lake Coachilla sediments	Pleistocene	High
Alluvium	Pleistocene to Recent	High
San Timoteo Formation	Pliocene/Pleistocene	High
Granitic rocks	Cretaceous	Low
Los Angeles to Riverside		
Alluvium	Recent	Low
Fernando Formation	Upper Pliocene	High
Puente Formation	Upper Miocene	High
Granitic rocks	Cretaceous	Low
Los Angeles to Anaheim		
Alluvium	Recent	Low