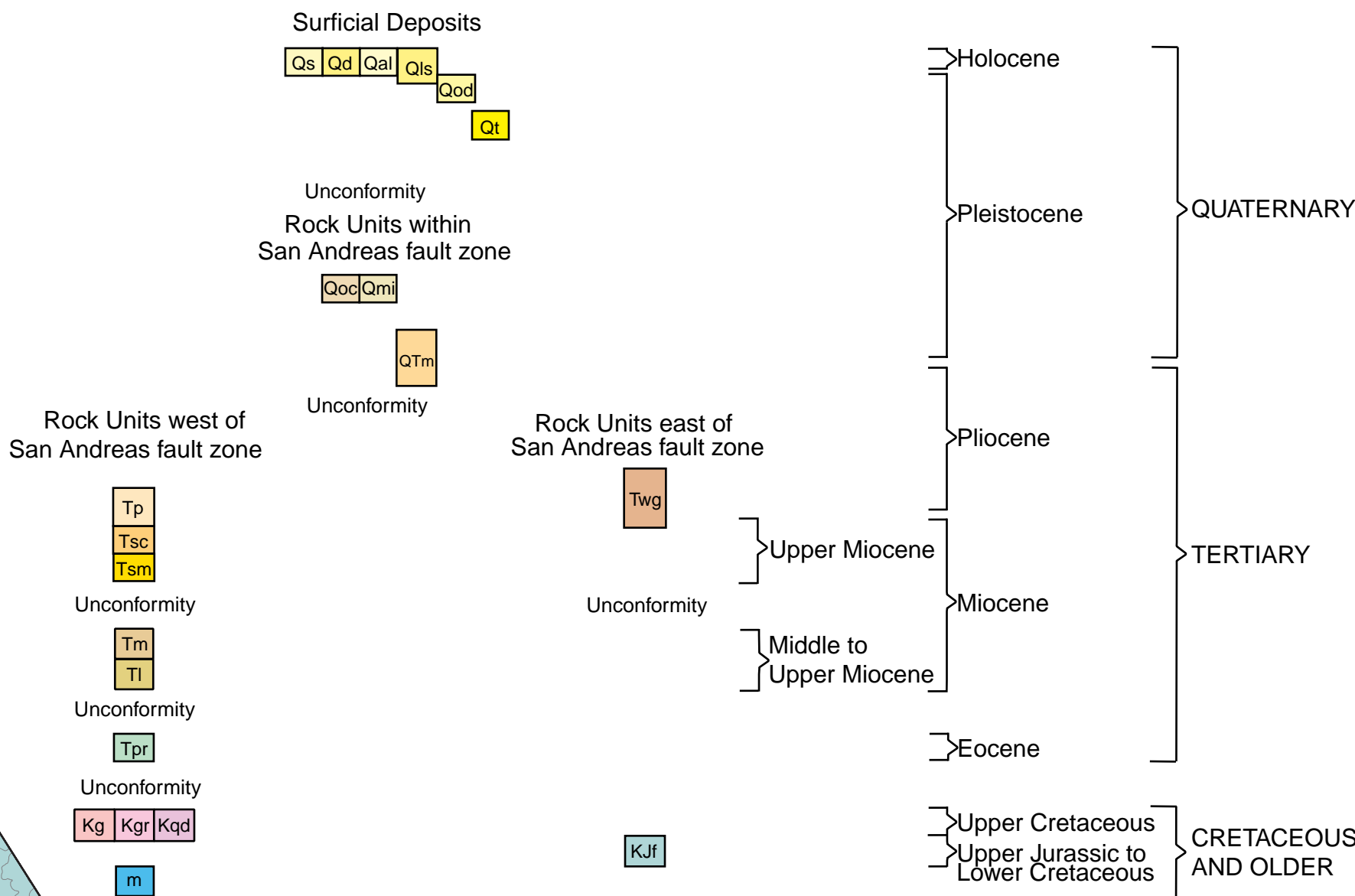
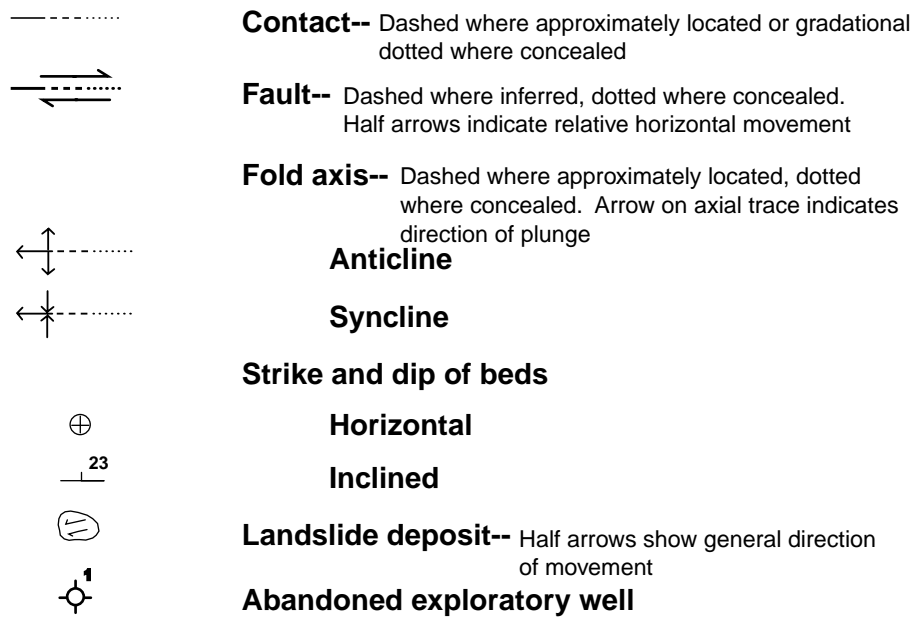


CORRELATION OF MAP UNITS



SYMBOLS



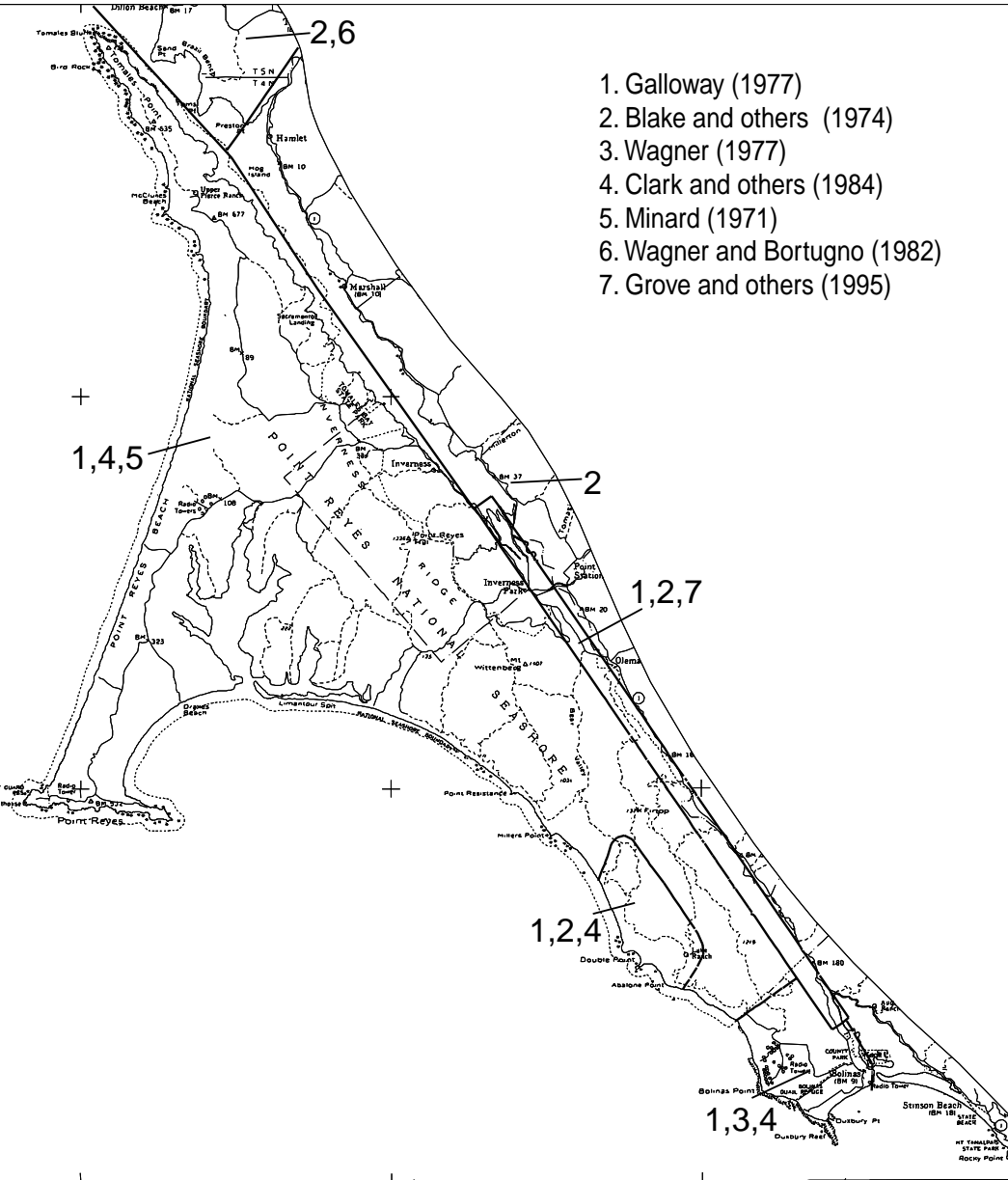
MAP UNITS

Qs	Beach sands (Holocene)
Qd	Dune sands (Holocene)
Qal	Alluvium (Holocene)
Qls	Landslide deposits (Pleistocene and Holocene)
Qod	Older dune sands (Pleistocene)
Qt	Terrace deposits (Pleistocene)
Qoc	Olema Creek Formation (Pleistocene) estuarine and alluvial sand, gravel, silt, and clay
Qmi	Millerton Formation (Pleistocene) alluvial and estuarine clay, silt, sand, and gravel
QTm	Merced Formation (upper Pliocene to Pleistocene) marine siltstone and sandstone
Twg	Wilson Grove Formation (upper Miocene to Pliocene) marine sandstone and conglomerate
Tp	Purisima Formation (upper Miocene to lower Pliocene) marine siltstone, sandstone, and mudstone
Tsc	Santa Cruz Mudstone (upper Miocene) marine siliceous mudstone
Tsm	Santa Margarita Sandstone (upper Miocene) marine glauconitic and bituminous arkosic sandstone
Tm	Monterey Formation (middle to upper Miocene) marine porcelanite and chert
Ti	Laird Sandstone (middle Miocene) marine arkosic sandstone
Tpr	Point Reyes Conglomerate of Galloway 1977 (lower Eocene) graywacke, shale, conglomerate, chert, serpentinite, and limestone
Kg	Porphyritic granodiorite of Point Reyes (Upper Cretaceous)
Kgr	Granodiorite and granite of Inverness Ridge (Upper Cretaceous)
Kqd	Tonalite of Tomales Point (Upper Cretaceous)
KJf	Franciscan complex (Jurassic and Cretaceous) graywacke, shale, conglomerate, chert, serpentinite, and limestone
m	metamorphic rocks mica schist, quartzite, calc-hornfels, and marble

OIL TEST WELLS

1	Chevron Oil Co., Mendoza No. 1, 1951, total depth 951 feet: 0-853' Purisima Formation 853-951' "granite"
2	Chevron Oil Co., Mendoza No. 2, 1951, total depth 1276 feet: 0-1216' Purisima Formation 1216-1248' Santa Margarita Sandstone 1248-1276' "granite"
3	Chevron Oil Co., Moiseed No. 1, 1951, total depth 1780 feet: 0-1347' Purisima Formation 1347-1530' Santa Margarita Sandstone 1530-1620' Monterey Formation (lower Mohnian) 1620-1780' "granite"
4	Chevron Oil Co., (L.M. Lockhart) Tevis No. 1, 1947, total depth 6587 feet: 0-1500' Santa Cruz Mudstone-Santa Margarita Sandstone 1500-2150' Monterey Formation (upper Mohnian) 2150-3000' Monterey Formation (lower Mohnian) 3000-4685' Monterey Formation (Luisian-Reilian?) 4685-4790' Laird Sandstone 4790-4925' mudstone 4925-4941' altered olivine basalt 4941-6587' dark gray to black shale (lower Eocene-upper Paleocene?)
5	Chevron Oil Co., Robson No. 1, 1952, total depth 7286 feet: 0-2355' Santa Cruz Mudstone ("lower Delmontian") 2355-2407' Santa Margarita Sandstone 2407-7286' Monterey Formation (lower Mohnian)
6	L.M. Lockhart, R.C.A. No. 3-1, 1948-49, total depth 8409 feet: 0-3375' Santa Cruz Mudstone ("Delmontian") 3375-3430' Santa Margarita Sandstone 3430-4880' Monterey Formation (upper Mohnian) 4880-7650' Monterey Formation (lower Mohnian) 7650-8409' Monterey Formation (Luisian)

INDEX TO MAP SOURCES OF DATA
(see text for full references)



GEOLOGY OF THE POINT REYES NATIONAL SEASHORE
AND VICINITY

Geology Compiled by
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SCALE 1:48,000

Contour Interval 80 Feet

