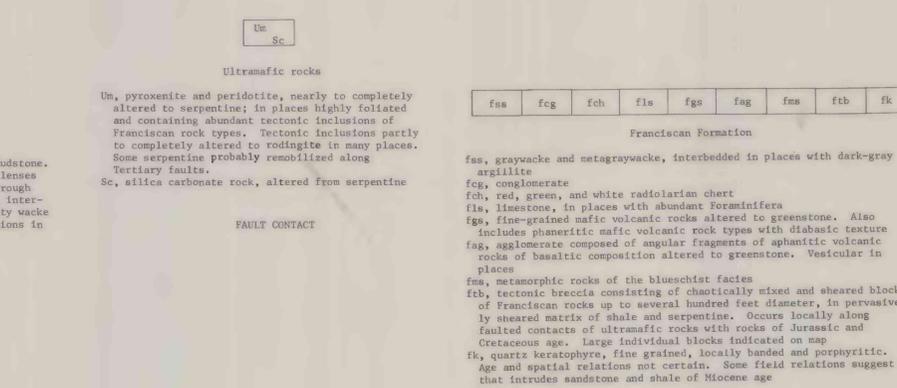
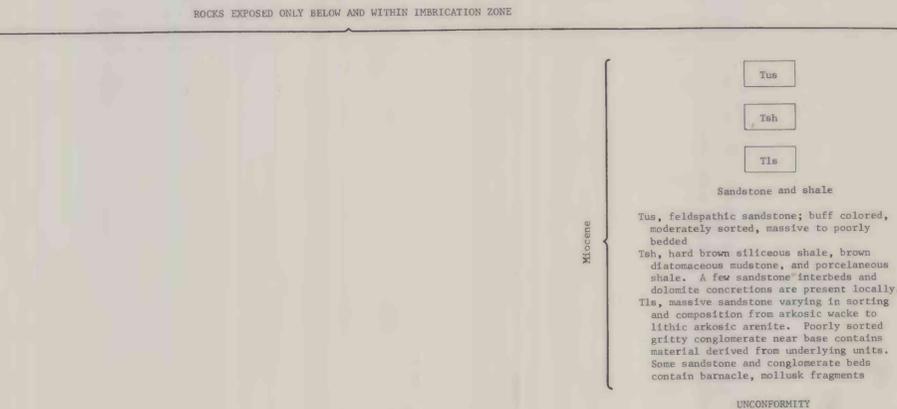
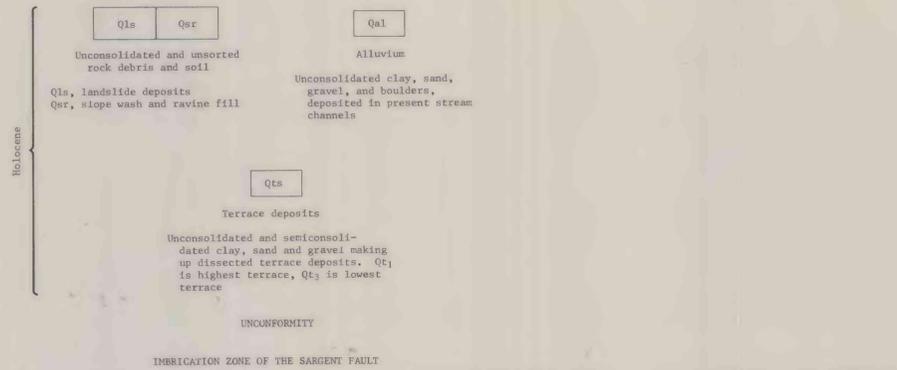


EXPLANATION

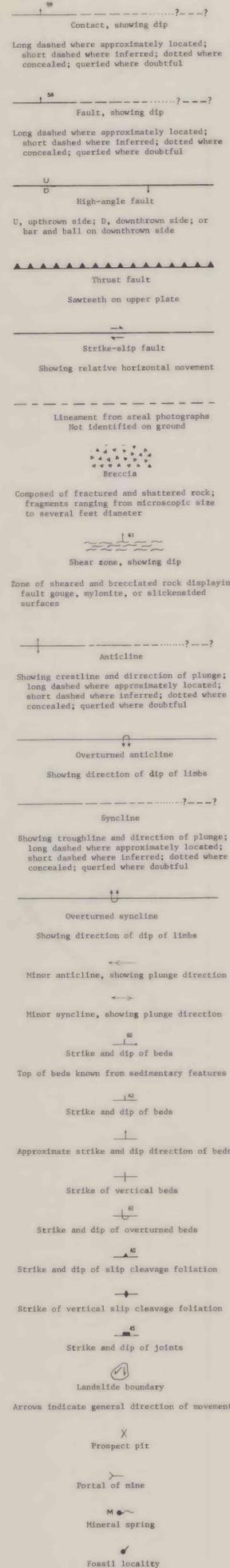


GEOLOGIC MAP OF THE SARGENT FAULT ZONE IN THE VICINITY OF MOUNT MADONNA, SANTA CLARA COUNTY, CALIFORNIA

by Robert J. McLaughlin

1971

MAP SYMBOLS



FOSSIL COLLECTIONS

Map no.	Field no.	Collector	Year	Dominant Fossils	Age	Stages of Kleinpell (1938) and Mallory (1959)	Identified by
1	SF-355-70	McLaughlin	1970	foraminifers	Miocene		Morin
2	SF-359-70	McLaughlin	1970	mollusks	middle Miocene(?)		Addicott
3	SF-334-70	McLaughlin	1970	foraminifers	late Paleocene or early Eocene	Penutian or Bultian	Pierce
4	SF-7-9	McLaughlin	1969	foraminifers	middle or early Eocene	Ulatian or Penutian	Pierce
5	SF-39-69	McLaughlin	1969	foraminifers	early Eocene Paleocene, or Cretaceous		Warren, Pierce
6	SF-100-69	McLaughlin	1969	foraminifers	Probable Paleocene		Warren
7	SF-33-69	McLaughlin	1969	foraminifers	Late Cretaceous		Jones
8	SF-80-69	McLaughlin	1969	foraminifers	middle Eocene or older	Ulatian, Penutian or Bultian	Pierce, Warren
9	SF-55-69	McLaughlin	1969	mollusks	Early Cretaceous or older		Jones
10	SF-60-69	McLaughlin	1969	mollusks	-do-		Jones
11	SF-153-70	McLaughlin	1970	mollusks	Tithonian and Early Cretaceous		Jones
12	SF-293-70	McLaughlin	1970	mollusks, barnacles	middle or late Miocene(?)		Addicott
13	SF-265-70	McLaughlin	1970	mollusks, barnacles	Miocene or younger		Addicott
14	SF-263-70	McLaughlin	1970	foraminifers	middle Miocene or older	Zemorrian Saucian or Relizian	Pierce
15	SF-395-70	McLaughlin	1970	foraminifers	early Miocene or older	possibly Zemorrian	Pierce
16	SF-396-70	McLaughlin	1970	foraminifers	early Miocene or older	possibly Zemorrian or Saucian	Pierce
17	SF-282-70	McLaughlin	1970	mollusks, barnacles	probably same as SF-293-70		Pierce, Warren
18	SF-145-70	McLaughlin	1970	foraminifers	late Paleocene or early Eocene		Pierce, Warren
19	SF-151-70	McLaughlin	1970	foraminifers	late Paleocene or early Eocene	Penutian or Bultian	Pierce, Warren
20	SF-144-70	McLaughlin	1970	foraminifers	Early Tertiary		Warren
21	SF-143	McLaughlin	1970	pelecypod	not diagnostic		Jones
22	69-CB-542	E. E. Brabb	1969	foraminifers	Paleocene or Cretaceous		Pierce
23	69-CB-541	E. E. Brabb	1969	foraminifers	Cretaceous		Pierce
24	SF-437-70	McLaughlin	1970	oysters	not diagnostic		--
25	69-CB-537	E. E. Brabb	1969	foraminifers	Paleocene or Cretaceous		Pierce
26	SF-18-69	McLaughlin	1969	mollusks	lowest Cretaceous	probably Berriasian	Jones
27	SF-109-69	McLaughlin	1969	mollusks	Lower Cretaceous	Valanginian	Jones
28	SF-424-70	McLaughlin	1970	mollusks	Early Cretaceous or older		Jones

IDENTIFICATION OF FOSSILS

U.S. Geological Survey	Mobil Oil Company
W. O. Addicott	R. W. Morin
D. L. Jones	A. D. Warren
R. L. Pierce	

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NOTE

Geologic mapping in the Mount Madonna area indicates that the stratigraphic and structural relationships there are much more complex than realized previously, and that mapping at a relatively large scale is necessary for understanding the style of structural deformation. The complexity of the geology shown on the map could be typical for terrain underlain by the Franciscan Formation, especially in proximity to major faults.

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey standards and nomenclature.