PRELIMINARY GEOLOGIC MAP OF SOLANO COUNTY AND PARTS OF NAPA, CONTRA COSTA, MARIN, AND YOLO COUNTIES, CALIFORNIA

Kgvd

CRETACEOUS

\* The grouping and order of Sonoma Volcanics subdivisions is by

Tsr Tsri Tsrp

Tst Tswt

Tsag Tslt

Tss Tssd

lithology only, and relative ages and stratigraphic relations.

other than locally, are unknown. No correlations are implied.

\*\* KJfm and KJfs are tectonostratigraphic units. Heavy line around units KJfm and KJfs represents fault contact with units of the

irregular beds of brown calcareous massive hard siltstone near base.

micaceous, feldspathic sandstone, locally crossbedded and pebbly.

thin conglomerate beds that are more resistant to weathering.

permits the member to be divided into three units.

Middle unit; argillaceous feldspathic sandstone.

Upper unit; shale similar to unit Ten.

Lower unit; shale, resembles upper unit.

SOBRANTE SANDSTONE -- light- to dark-brown friable sandstone, fine- to medium-grained, with interstratified

Markley Sandstone Member, undivided --massive grayish- to yellowish-brown, medium- to coarse-grained,

Nortonville Shale Member, undifferentiated -- dark-brown silty clay shale. Locally, a sandstone lens

SAN RAMON SANDSTONE -- medium-grained, bluish-gray to light-brown sandstone; basal part locally con-

Upper sandstone unit; interbedded sandy carbonaceous light-gray shale and sandstone

Compiled by J.D. Sims, K.F. Fox Jr., J.A. Bartow, and E.J. Helley

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1/ Sonoma Volcanics: lithologic subdivisions (in part) and revisions to areal distribution and structure based on reconnaissance mapping and photogeology by K. F. Fox, Jr., 1971.

3/ Rocks of Franciscan assemblage on west side of San Pablo Bay based on reinterpretation of

4/ Quaternary alluvium subdivided on the basis of photointerpretation and soil stratigraphy.

Weaver (1949) and field reconnaissance by M. C. Blake, Jr., 1971

2/ Petaluma Formation and Glen Ellen Formation of Burdell Mountain area: stratigraphic relations,

areal distribution, and structure revision based on reconnaissance mapping and photogeology

5/ Great Valley sequence and Franciscan assemblage: Lithologic subdivisions below Venado Sandstone

of Great Valley sequence from field reconnaissance and photogeology by J. D. Sims, 1970-71. Tectono-stratigraphic subdivision of the Franciscan assemblage based on reinterpretation of cited sources, and limited field reconnaissance and photogeology by J. D. Sims, 1970-71.

M. Boyd (1956) with additions and modifications by J. D. Sims $\frac{5}{2}$ .

Thomasson, H. G., Jr., Olmsted, F. H., and LeRoux, E. F., 1960, Geology, water resources, and usable ground-water storage capacity of part of Solano County, California: U.S. Geol. Survey Water-Supply Paper 1464, 693 p.

Weaver, C. E., 1949, Geology of the Coast Ranges immediately north of the San Francisco Bay region, California:

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