



Digital Database of Microfossil Localities in Alameda and Contra Costa Counties, California

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|---|--------------------------------------|------------------------------------|---------------|---------------------------|--|
| USGS No. | FIELD No. | OTHER No. | COLLECTOR | DATE RECEIVED | STATE |
| Mf8036 | 90-CB-3014A | | Earl Brabb | | CA |
| LONGITUDE | LATITUDE | UTM X | UTM Y | 7.5' QUADRANGLE | |
| -121.945 | 37.570 | 593167.701 | 4158459.066 | Niles | |
| LOCATION | | | | | |
| Alameda Co.; sample was taken from the north side of Morrison Canyon Road, about 20 feet higher in the section than Mf8035 and in the same unit | | | | | |
| LITHOLOGIC UNIT | | COMMENTS | | TECTONIC BLOCK | |
| Claremont Shale (Tcs) | | sandstone unit about 100 ft. thick | | VII | |
| FOSSIL GROUPS EXAMINED | | | | | |
| <input checked="" type="checkbox"/> benthic foraminifers <input type="checkbox"/> planktic foraminifers <input checked="" type="checkbox"/> nannoplankton <input type="checkbox"/> diatoms <input type="checkbox"/> radiolarians | | | | | |
| ASSOCIATED FOSSILS AND OTHER DEBRIS | | | | | |
| | | | | | |
| PALEONTOLOGIST | | REPORT DATE | SLIDES | RESIDUE | REPOSITORY |
| Kristin McDougall; David Bukry | | 1992 | 1 | 1 | Micropaleo. Coll., USGS, Flagstaff, AZ |
| PERIOD/EPOCH | STAGE/AGE | ZONE/BIOSTRATIGRAPHIC UNIT | | ECOLOGY | |
| Miocene | late Saucesian - late Luisian stages | | | upper bathyal (150-500 m) | |
| AGE COMMENTS | | | | | |
| Sample contains very sparse, etched coccoliths that are assigned to only a general Eocene to Pliocene age range. The assignment is based on the identification of 12 specimens of <i>Coccolithus pelagicus</i> , 2 <i>Discoaster</i> sp. (6-rayed with stellate knob) and two placolith rim fragments comparable to <i>Reticulofenestra</i> sp. | | | | | |
| ECOLOGY COMMENTS | | | | | |
| | | | | | |
| GENERAL COMMENTS | | | | | |
| | | | | | |
| REFERENCES | | | | | |
| Graymer, R.W., Jones, D.L., and Brabb, E.E., 1996, Preliminary geological map emphasizing bedrock formations in Alameda County, California; a digital database: U.S. Geological Survey Open-File Report 96-252, 33 pp. | | | | | |