



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

USGS No.	FIELD No.	OTHER No.	COLLECTOR	DATE RECEIVED	STATE
Mf7902	91-CB-3086		Earl Brabb		CA
LONGITUDE	LATITUDE	UTM X	UTM Y	7.5' QUADRANGLE	
-121.958	37.698	591879.788	4172625.530	Dublin	
LOCATION					
Alameda Co.; sample was taken from the north side of Highway 580, 200 feet east of the carpool sign; approximately 0.5 miles west of Dublin					
LITHOLOGIC UNIT		COMMENTS		TECTONIC BLOCK	
mapped as alluvium, fan, and fluvial deposits (Qpaf) over Rodeo Shale, Hambre Sandstone, Tice Shale, and Oursan Sandstone, undivided (Tro)		phosphatic mudstone and siltstone with carbonate concretions		llb	
FOSSIL GROUPS EXAMINED					
<input checked="" type="checkbox"/> benthic foraminifers <input type="checkbox"/> planktic foraminifers <input type="checkbox"/> nannoplankton <input type="checkbox"/> diatoms <input type="checkbox"/> radiolarians					
ASSOCIATED FOSSILS AND OTHER DEBRIS					
PALEONTOLOGIST		REPORT DATE	SLIDES	RESIDUE	REPOSITORY
Kristin McDougall		1991	1	1	Micropaleo. Coll., USGS, Flagstaff, AZ
PERIOD/EPOCH	STAGE/AGE	ZONE/BIOSTRATIGRAPHIC UNIT		ECOLOGY	
middle-late Miocene	Luisian - Mohnian stages			outer neritic (50-150 m)	
AGE COMMENTS					
Fursenkoina californiensis grandis which appears rarely in the Luisian and commonly in the Mohnian, restricts this assemblage to the middle to late Miocene					
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.					