



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

USGS No.	FIELD No.	OTHER No.	COLLECTOR	DATE RECEIVED	STATE
Mf1097	2N/4W-27B1		D. Radbruch	7/15/1966	CA
LONGITUDE	LATITUDE	UTM X	UTM Y	7.5' QUADRANGLE	
-122.285	37.995	562754.807	4205317.735	Richmond	
LOCATION					
Contra Costa Co.; SE corner Estate Ave and Pinole Valley road; ~700' E and 3500' S of NW corner S27, T2N, R4W; MDBM; Location is now (2011) a shopping center; only gas station is on the NE corner of Pinole Valley Road and Estates Dr.					
LITHOLOGIC UNIT		COMMENTS		TECTONIC BLOCK	
mapped as alluvium, fan, and fluvial deposits (Qpaf) over Hambre Sandstone (Th)		probably unnamed shale and claystone (Tshc)		Ila	
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
Richard Pierce; revised Kristin McDougall		8/18/1966	0	0	
PERIOD/EPOCH	STAGE/AGE	ZONE/BIOSTRATIGRAPHIC UNIT		ECOLOGY	
Eocene	early Ulatisian Stage	B-2, B-3, B-4 zones of Laiming (Pierce, 1966)		upper bathyal (150-500 m)	
AGE COMMENTS					
ECOLOGY COMMENTS					
GENERAL COMMENTS					
REFERENCES					