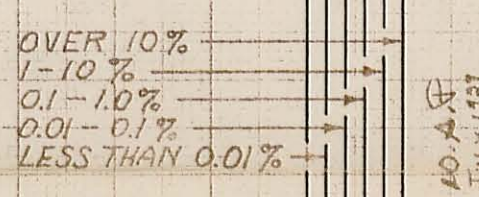


PLATE II



10.4.82
JAN 1987

			SLIDE NUMBER	SAMPLE NUMBER	FLOOD MINERALS										ASSEMBLAGE		
					AMPHIBOLE	ANDALUSITE	EPIDOTE	GARNET	GLAUCAMPHIBOLE	PYROXENE	SPHENE	TOURMALINE	ZIRCON	% MUSCOVITE	% HEAVY MINERALS		
RECENT	SANDS	SOURCE ROCK	LOCALITY														FRANCISCAN
		Franciscan	Puerto Ck., Stanislaus Co.	F232	F78-38												
		do.	Pacheco Ck., Santa Clara Co.	F344	F129-38												
		do.	Los Banos Ck., Merced Co.	F274	F127-38												
		do.	Tres Pinos Ck., San Benito Co.	F340	F131-38												
		do.	Clear Ck., San Benito Co.	F339	F123-38												
		do.	Headwaters, San Benito River, San Benito Co.	F316	F122-38												
		do.	Headwaters, Los Gatos Ck., Fresno Co.	F305	F120A-38												
		Cretaceous and Franciscan	Los Gatos Ck., near Coalinga, Fresno Co.	F313	F118-38												
		do.	Avenal Ck., Kings Co.	F304	F116-38												
		Franciscan	Arroyo de la Cruz Ck., San Luis Obispo Co.	F315	F137-38												
		do.	Paso Robles Ck., San Luis Obispo Co.	F236	F84-38												
		Franciscan (etc.)	Stream bed, about 3 mi. W. of Atascadero	F317	F141-38												
		Cretaceous	Cottonwood Ck., Kings Co.	F343	F115-38												
		do.	Salinas R., at Pozo-Arroyo Grande road crossing	F354	F110-38												
		do.	Salinas R., at Pozo-Sta. Margarita bridge	F312	F111-38												
		do.	Green Canyon, Sta. Barbara Co.	F345	F102-38												
		Cretaceous and Franciscan	Pine Ck., Sta. Barbara Co.	F353	F103-38												
		Cretaceous	Labrea Ck., below main forks, Sta. Barbara Co.	F342	F106-38												
do.	Labrea Ck., above jct. of Bear Ck., Sta Barbara Co.	F273	F105-38														
	SANDS	Pre-Miocene (Eocene, Cret., etc.)	S. branch of Panoche Ck., 3 mi. from Idria	F306	F124-38												EOC.
		Eocene	Rancho Nuevo Ck., Ventura Co.	F351	F99-38												
		do.	Reyes Ck., Ventura Co.	F341	F97-38												
		do.	Matilija Hot Springs, Ventura Co.	F337	F96-38												
		do.	Piru Ck., Ventura Co.	F301	F95-38												
		Granitic and Eocene	Piru Ck., Ventura Co.	F299	F88-38												
		Granitic	Tule River, Tulare Co.	F213	F55-38												
		do.	White River, Tulare Co.	F209	F53-38												
		do.	Kern River, Kern Co.	F201	F48-38												
		do.	Grapevine Ck., Kern Co.	F318	F143-38												
		do.	San Emigdio Ck., Kern Co.	F336	F91-38												
		do.	San Emigdio Ck., Kern Co.	F300	F92-38												
		do.	Stream bed beside Pozo-Creston rd., San Luis Obispo Co.	F302	F112-38												
		do.	Stream bed beside Pozo rd., near Creston, San Luis Obispo Co.	F303	F113-38												
		do.	Chualar Canyon, Monterey Co.	F307	F132-38												
		do.	Pescadero Ck., San Benito Co., near San Benito River	F275	F130-38												
		do.	Carmel River, Monterey Co.	F308	F134-38												
STRATIGRAPHIC POSITION																	
MIOCENE	SANDS	Santa Margarita, abt. 25' below top	Coalinga Region. Laval Grade.	F262	F47-38												COALINGA
		Santa Margarita, near base	do. do.	F248	F46-38												
		Big Blue, near top	do. do.	F261	F45-38												
		Temblor, about 15' below top	do. Oil Canyon.	F260	F44-38												
		Temblor, abt. 2' above top Indicator Bed	do. do.	F259	F43-38												
		Temblor, abt. 1' below base Indicator Bed	do. do.	F258	F42-38												
		Temblor, abt. 3' above top of Kreyenhagen	do. do.	F247	F41-38												
		Carneros ss., abt. 1/2 thickness dn. from top	Wagonwheel Mt.	F257	F39-38												
		Button Bed, abt. 5' above base	do.	F256	F38-38												
		Vaqueros, abt. 2' above base	Carneros Ck.	F254	F37-38												
		Santos sh., abt. 3' above basal glauconite	do.	F253	F36-38												
		Top of Carneros ss.	do.	F228	F34-38												
		Carneros ss., near base	do.	F252	F35-38												
		Button Bed (?), abt. 3' above unconfrmty (?)	do.	F249	F30-38												
		Button Bed, abt. 3' below unconformity (?)	do.	F244	F31-38												
		Abt. 7' above base of Button Bed	do.	F246	F32-38												
		"Sandy Zone " in McLure sh. (cherts)	Chico Martinez Ck.	F245	F27-38												
		"Vaqueros"	"Type Maricopa" section, near Maricopa	F239	F16-38												
		25 Hill sd., near top	East flank, Temblor Range, near Taft	F226	F17-38												
25 Hill sd., above middle	do. do. do.	F240	F19-38														
25 Hill sd., below middle	do. do. do.	F243	F24-38														
25 Hill sd., near base	do. do. do.	F242	F22-38														
Obispo sd., near top	Sunset-Midway. Obispo Oil #12, 3766'-3780'	F350	F179-38														
Obispo sd., near middle	do. do. 3797'-3810'	F349	F178-38														
Obispo sd., near base	do. do. 3810'-3826'	F348	F177-38														
Stevens sd., near top	Ten Section. Shell "KCL-A" #6-29, 7805'-7829'	F298	F146-38														
Stevens sd., near middle	do. do. 8341'-8367'	F297	F145-38														
Stevens sd., near base	do. do. 8969'-8984'	F296	F144-38														
Olig sd., near top	Sunset-Midway. Union "Mason" #1, 3904'-3914'	F310	F149-38														
Olig sd., near base	do. do. 4518'-4525'	F309	F147-38														
Abt. 75' below Eorophagus littoralis hrz.	Crocker Spgs. Ck., East flank, Temblor Range	F250	F1-38B														
Near top of exposed Miocene section	"Type Maricopa" section, near Maricopa	F238	F14-38														
Signal sd., near top	Sunset-Midway. Hancock "Maricopa" #1, 3079'-3091'	F325	F167-38														
Signal sd., near base	do. do. 3148'-3156'	F326	F166-38														
Webster sd., near top	do. Gen. Fet. "Moco" #243, 1708'-1725'	F324	F164-38														
Webster sd., near base	do. do. 1948'-1963'	F323	F162-38														
Lakeview sd., near top	do. Standard #17-33-D, 2741'-2749'	F314	F152-38														
Lakeview sd., near base	do. do. 2885'-2904'	F311	F150-38														
Mascot sd., near top	do. Standard "Mascot" #1, 650'-671'	F322	F161-38														
Mascot sd., near base	do. do. 894'-915'	F321	F159-38														
Formax sd., near top	do. Transco "Graham" #4, 1449'-1466'	F320	F158-38														
Formax sd., near middle	do. do. 1487'-1507'	F347	F157-38														
Formax sd., near base	do. do. 1540'-1558'	F319	F156-38														
"Granite Zone" near base Belridge Diatmt.	East flank, Temblor Range, near Taft	F329	F26-38												SA		
O'Brien sd., near top	Sunset-Midway. Gen. Fet. "Mainline" #1, 2704'-2714'	F333	F173-38														
O'Brien sd., near base	do. do. 2815'-2827'	F332	F171-38														
Weir sd., near top	do. Doyle Fet. "Weir" #2, 3459'-3479'	F331	F170-38														
Weir sd., near base	do. do. 3520'-3522'	F330	F168-38														
"Otis Hoyt" sd., near top	do. Standard "Monarch 7" #11, 1232'-1239'	F335	F176-38														
"Otis Hoyt" sd., near base	do. do. 1406'-1408'	F334	F174-38														
Potter sd., near middle	do. M. H. Whittier "Honie" #16, 1063'-1090'	F346	F154-38														
Recent sand from Miocene sources	Quatal Creek, Santa Barbara Co.	F352	F101-38														
Recent sand from Miocene sources	Corral Creek, Ventura Co.	F338	F100-38														
CHECK COUNTS																	
		1/2-1/4 mm. grains crushed to 1/8-1/10 mm. (procedure A)	F263	F88-38													EGS
		1/4-1/8 mm. original grains (procedure B)	F279	do.													
		1/4-1/8 mm. grains crushed to 1/8-1/10 mm. (procedure C)	F289	do.													
		1/8-1/10 mm. original grains (procedure D)	F299	do.													
		A	F264	F92-38													
		B	F280	do.													
		C	F290	do.													
		D	F300	do.													
		A	F265	F95-38													
		B	F281	do.													
		C	F291	do.													
		D	F301	do.													
		A	F266	F105-38													
		B	F282	do.													
		C	F292	do.													
		D	F273	do.													
		A	F267	F112-38													
		B	F283	do.													
		C	F293	do.													
		D	F302	do.													
		A	F268	F127-38													
		B	F284	do.													
		C	F294	do.													
		D	F274	do.													
		A	F269	F130-38													