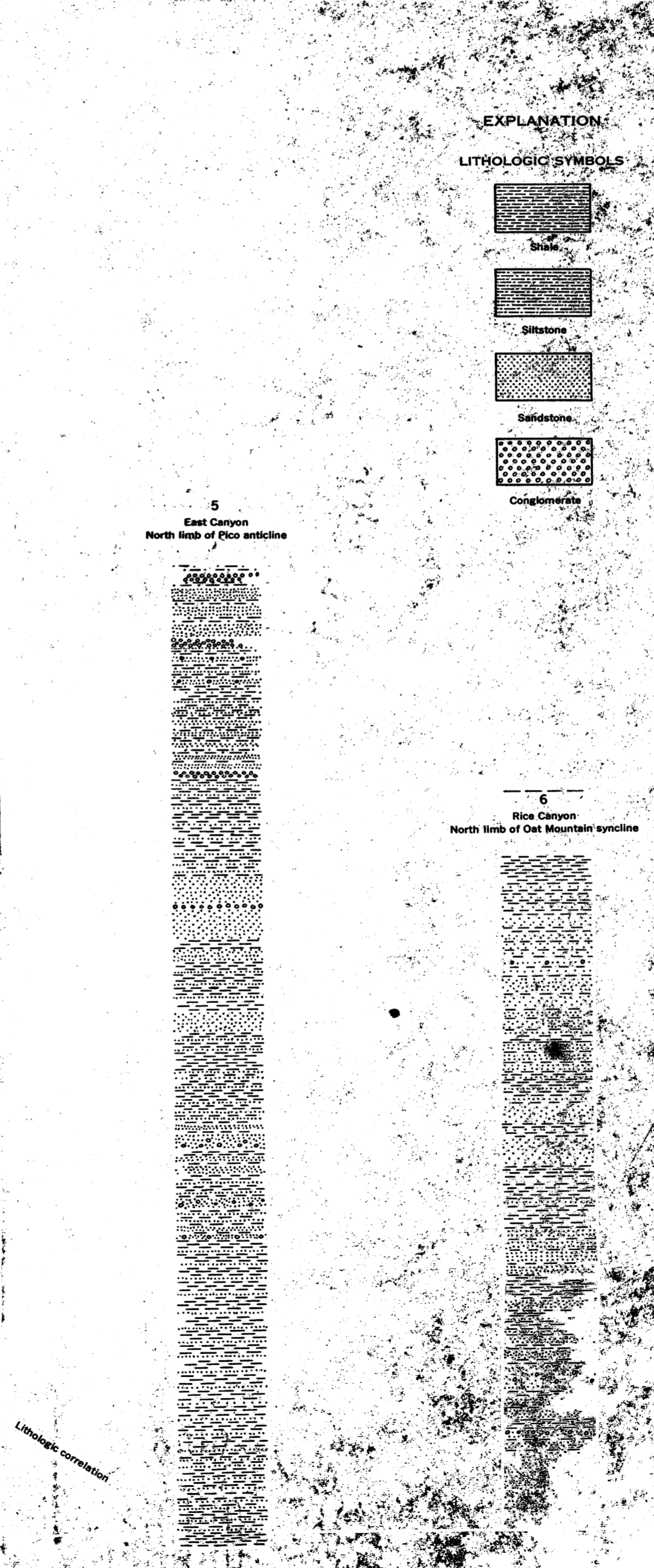
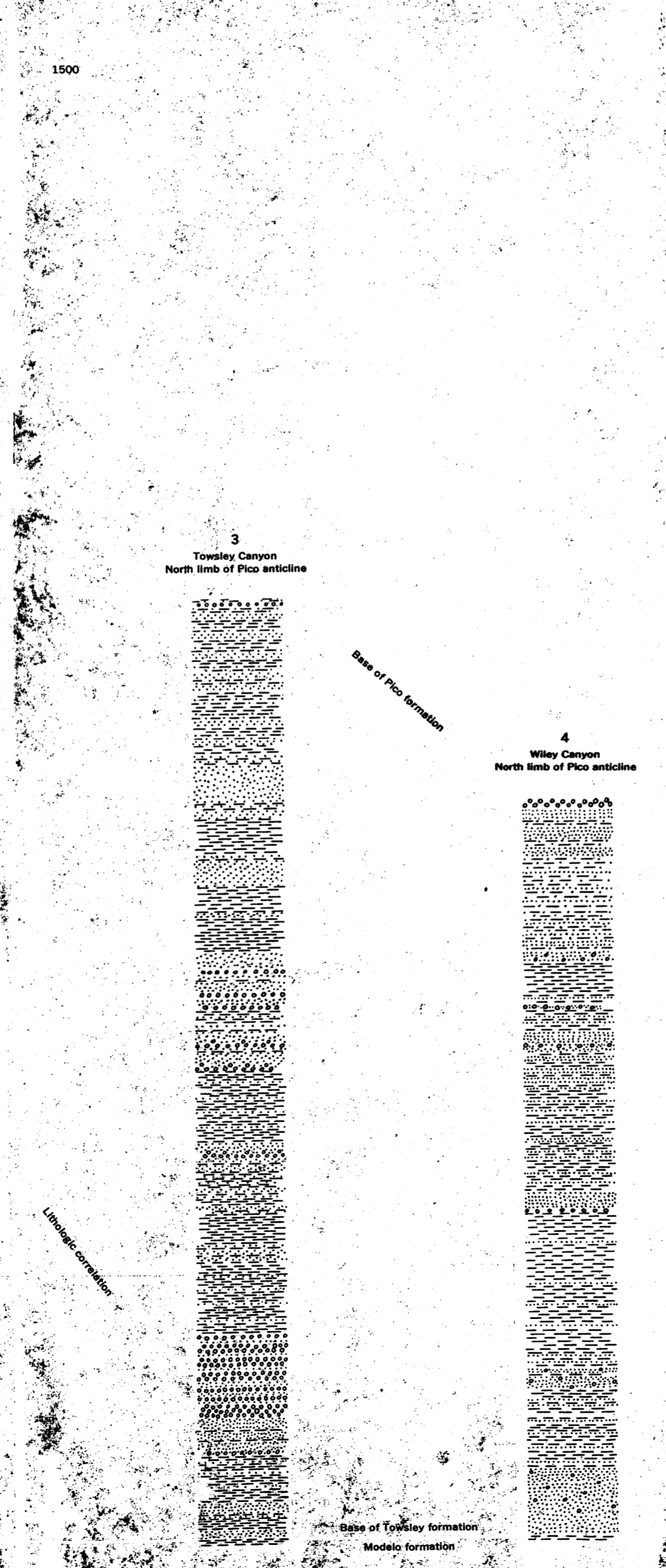
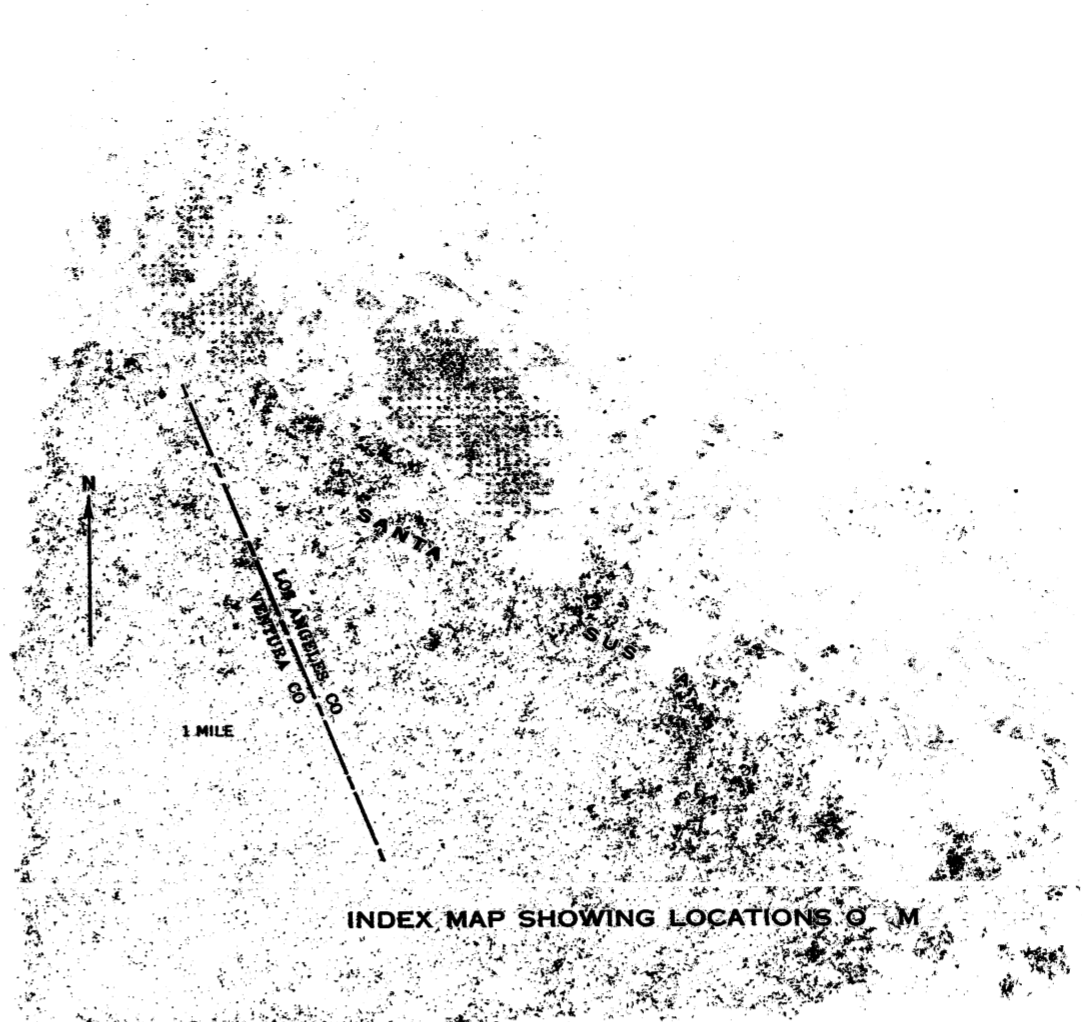
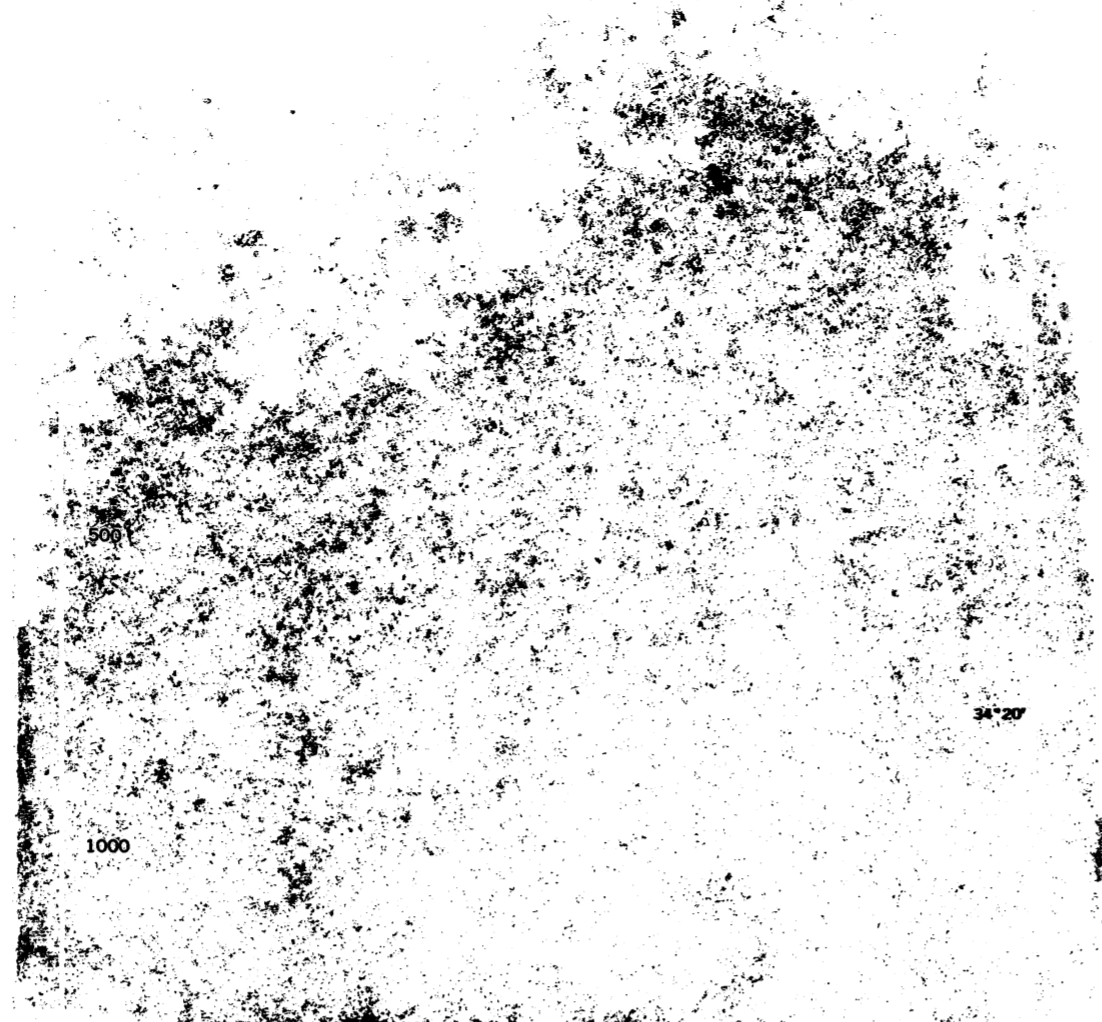


UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

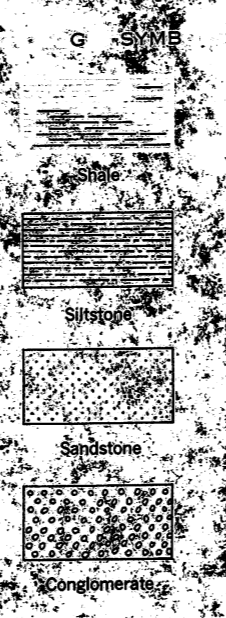
PROF  
TG

		EUROPEAN SERIES		NORTHERN ENGLAND AT SPEETON, NORFOLK (After Spath, 1924)	NORTHERN GERMANY (After Von Koenen, 1902, 1907; Stolley, 1908, 1937; Spath, 1924)	EAST GREENLAND (After Spath, 1946, 1947, 1952; Donovan, 1953, 1957)	RUSSIA (After Pavlow, 1901, 1907, 1914; Renngarten, 1926; Spath, 1924, 1952; Zonov, 1937; Cazanov, 1953)	SOUTHERN FRANCE (After Kilian, 1907; Mazenot, 1939; Gignoux and Moret, 1946)	ARGENTINA (After Gerth, 1925; Windhausen, 1918; Weaver, 1931; Leanza, 1945; Giovine, 1950)	MEXICO (Imlay, 1944)	NORTHERN CALIFORNIA	SOUTHWESTERN OREGON	NORTHWESTER WASHINGTON		
						Russian platform	Caucasus								
CRETACEOUS	(IN PART) Hauterivian	Upper	<i>Hoplocrioceras centrifuga</i>	<i>Hoplocrioceras centrifuga</i>											
			<i>Hoplocrioceras rarocinctum</i>	<i>Hoplocrioceras rarocinctum</i>											
			<i>Craspedodiscus clypeiformis</i>												
			<i>Craspedodiscus discofalcatus</i>												
			<i>Simbirskites progredicus</i>												
			<i>Craspedodiscus phillipsi</i>	<i>Craspedodiscus phillipsi</i>											
			<i>Spitidiscus rotula</i>												
			<i>Simbirskites speetonensis</i>												
			<i>Aegocrioceras capitanei</i>												
			<i>Aegocrioceras capricornu</i>	<i>Aegocrioceras capricornu</i>											
CRETACEOUS	Langulian	Lower	<i>Subastiera sulcosa</i>												
			<i>Lyticoceras regale</i>												
			<i>Acanthodiscus ebergensis</i>	<i>Acanthodiscus ebergensis</i>											
			<i>Lyticoceras noricum</i>	<i>Lyticoceras noricum</i>											
			(Fossils of these zones occur in nodules in overlying zone of <i>Lyticoceras noricum</i> and are inferred to have been derived by erosion.)												
			<i>Acanthodiscus radiatus</i>												
			<i>Olcostephanus psilostomus</i>												
			<i>Neoploceras arnoldi</i>												
			<i>Dichotomites bidichotomus</i>												
			<i>Dichotomites terscissus</i>												
CRETACEOUS	Langulian	Upper	<i>Polyptychites ramulicosta</i>												
			<i>Polyptychites ascendens</i>	<i>Polyptychites ascendens</i>											
			<i>Polyptychites brancoi</i>												
			<i>Polyptychites bullatus</i>												
			<i>Euryptychites diplotomus</i>												
			<i>Platyceras marcoui</i>												
			Absent												
			<i>Platylenticeras heteropleurum</i>												
			<i>Platylenticeras gervilli</i>												
CRETACEOUS	Langulian	Middle													
CRETACEOUS	Langulian	Lower													

DISTRIBUTION OF EARLY CRETACEOUS (VALANGINIAN-HAUTERIVIAN) FAUNAS IN THE PACIFIC COAST STATES



THE TOWSLEY FORMATION, VENTURA BASIN, LOS ANGELES COUNTY, CALIFORNIA



Foraminifera correlation

**Correlation by lithology and interval**  
Correlation between sections made by beginning at one section tracing a mappable lithologic unit as far as possible, often known stratigraphic distance to another mappable lithologic unit as far as possible, and repeating this procedure many times as necessary until the next section is reached then locating the correlation point by compensating for amount of stratigraphic offset made in tracing mappable lithologic units between the sections

**Estimated depth of deposition**  
Based on ecological data on Foraminifera

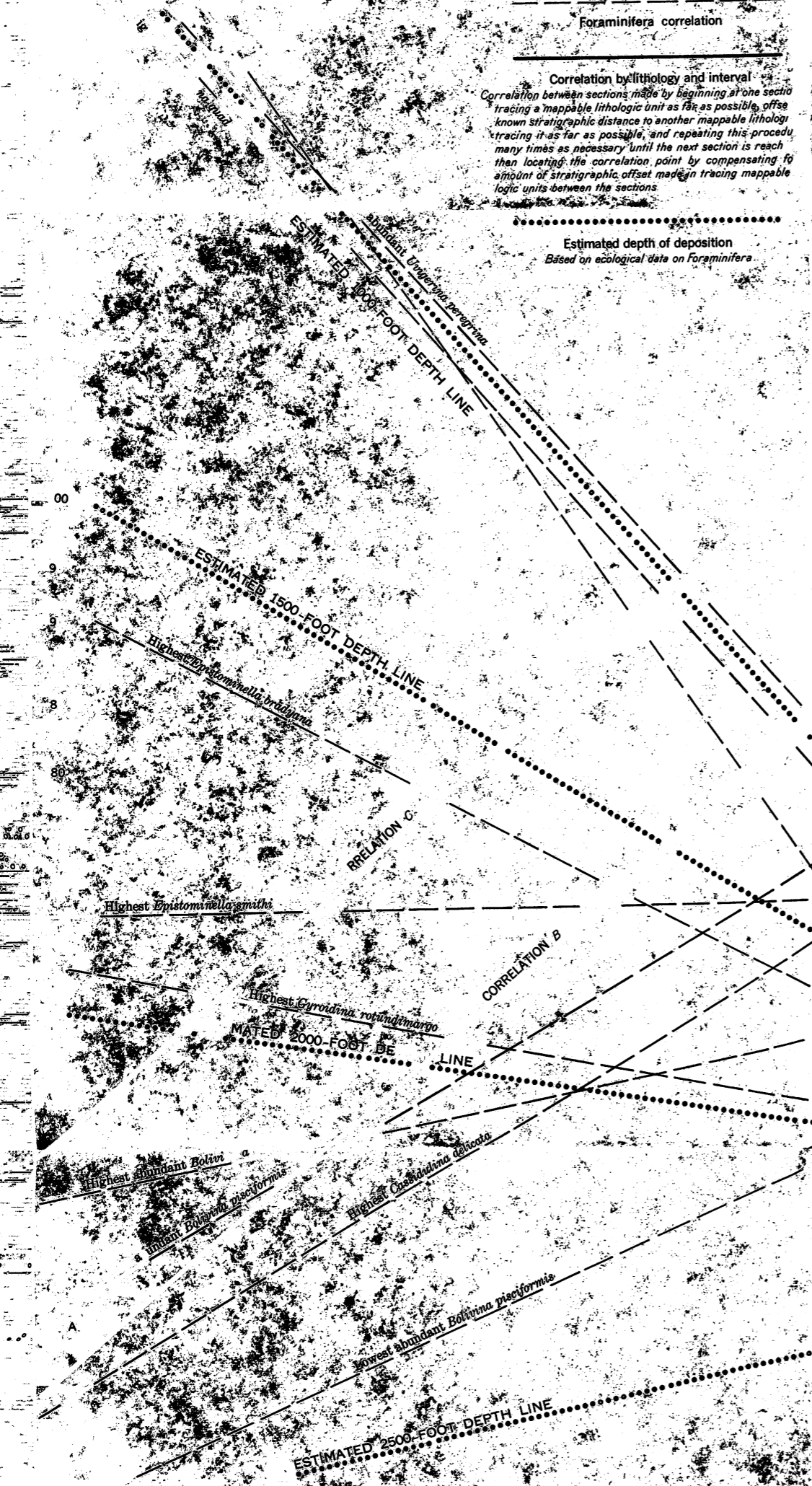
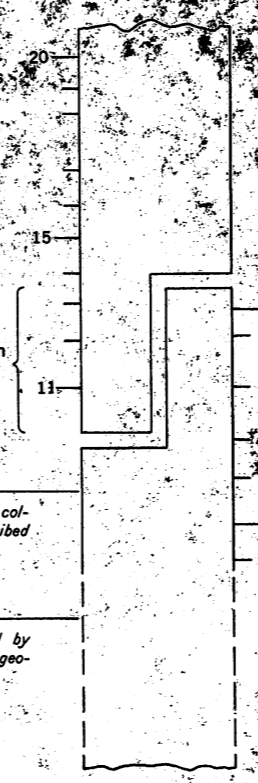
**CORRELATION**

Sample numbers; other samples indicated by short lines between numbers

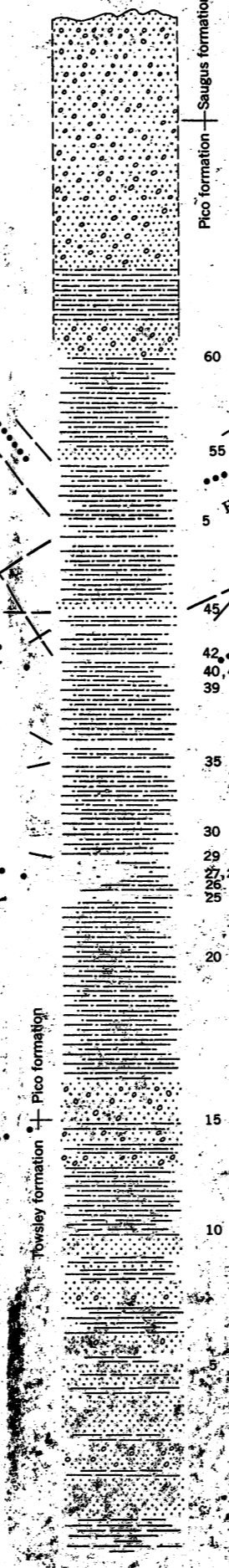
Two legs of measured section showing amount of overlap

**Solid line**  
Section measured, samples collected, and lithology described in detail

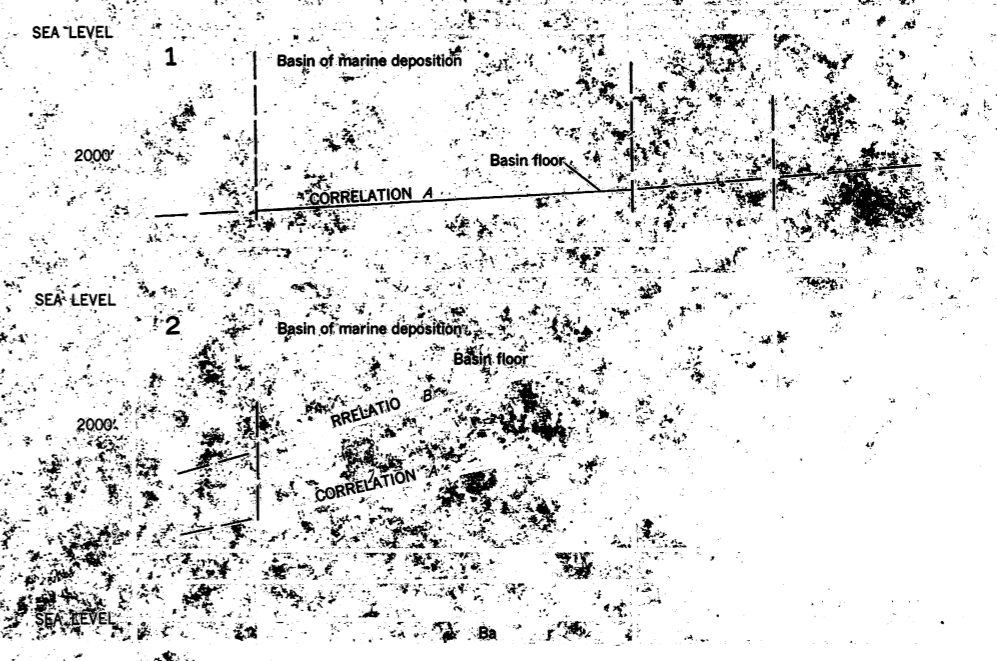
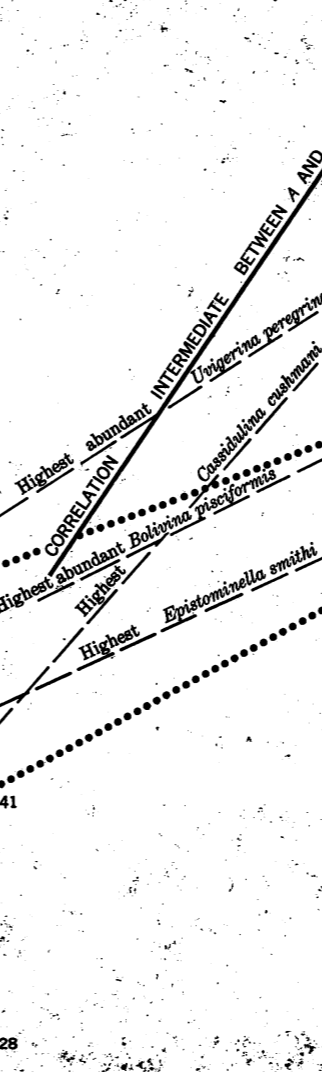
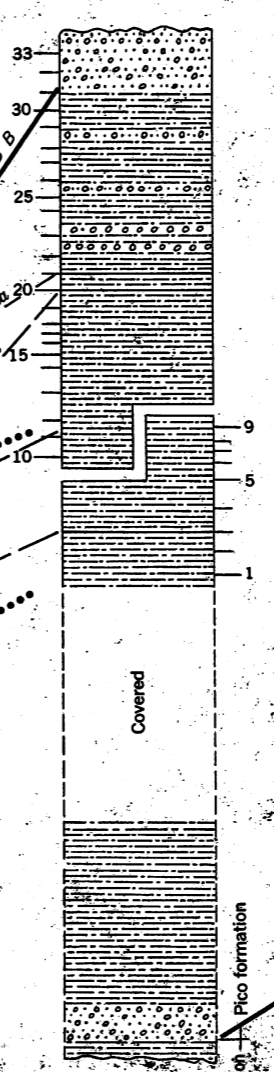
**Dashed line**  
Measured section extended by means of information on geologic map

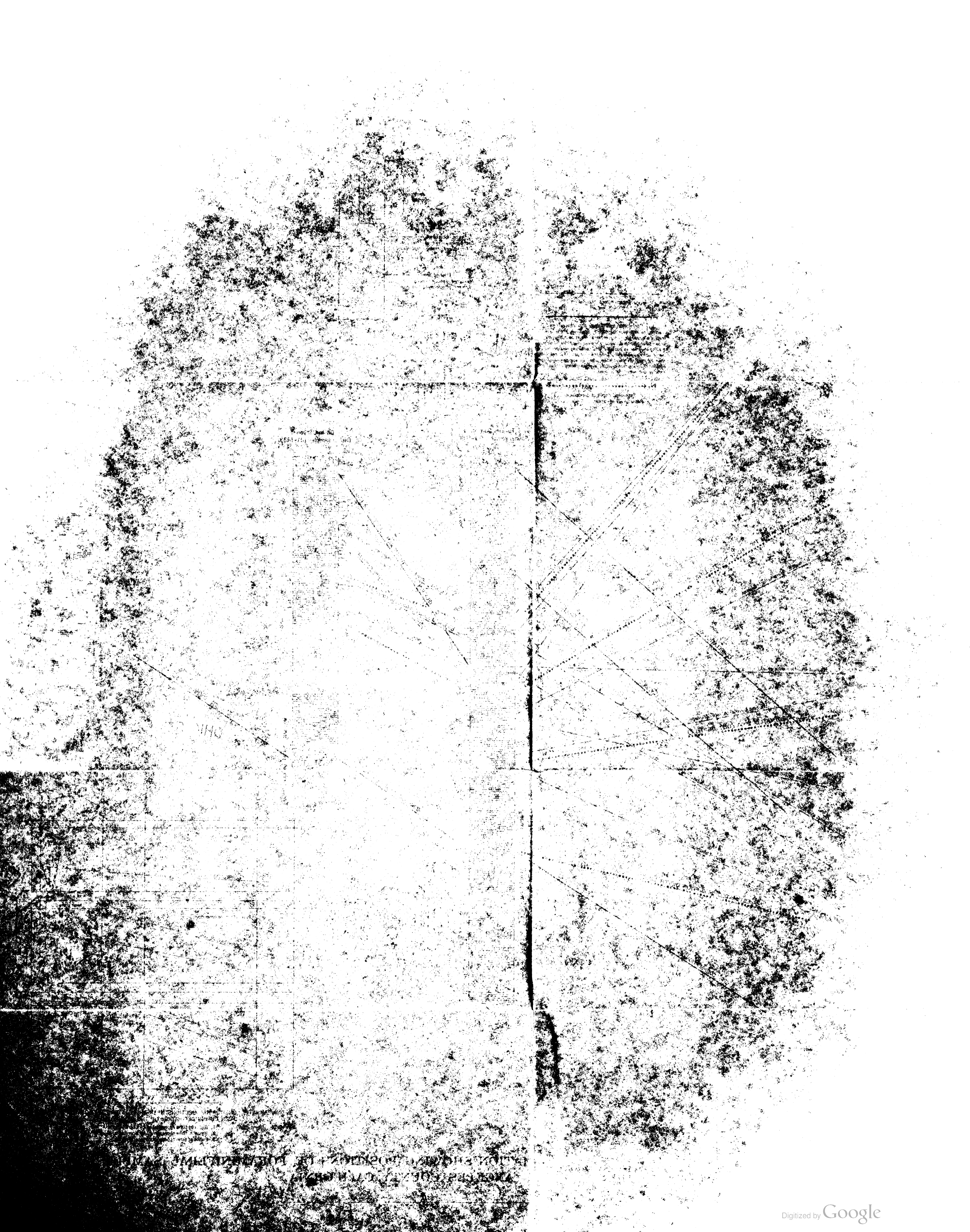


**Towsley Canyon**  
Faunal samples FT1-FT60



**Gravin-Canyon**  
Faunal samples FR1-FR33





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