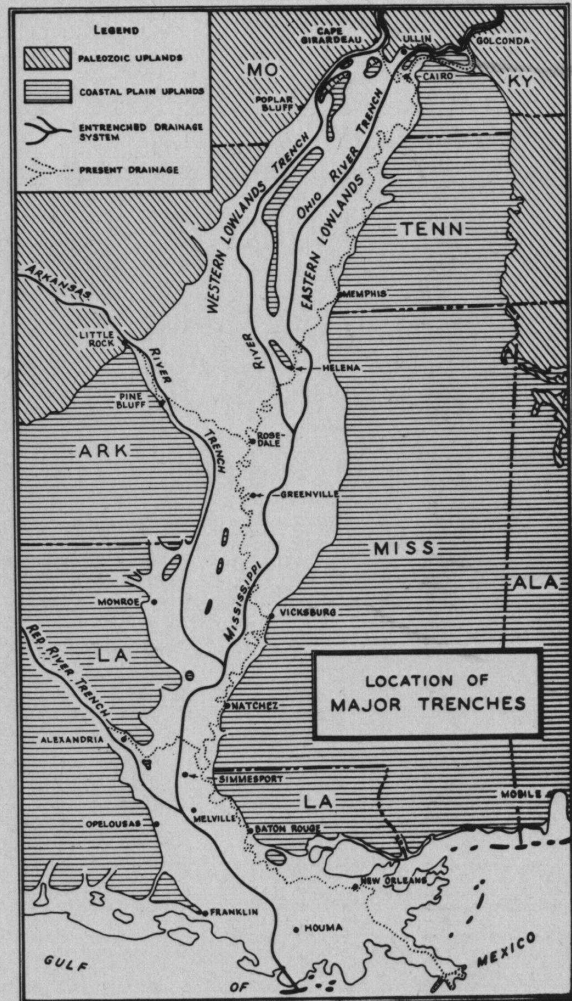


LEGEND
 Alluvial Plain Surface over Mississippi River Trench
 Alluvial Plain Surface over Ohio River Trench
 Alluvial Plain Surface over Arkansas River Trench
 Alluvial Plain Surface over Red River Trench

BED ROCK PROFILES
 ALONG
 FLOOR OF MAJOR TRENCHES
 COMPARED WITH
 SURFACE PROFILES OF OVERLYING
 ALLUVIAL PLAINS



CHARACTERISTICS OF MAJOR TRENCHES

TRENCH	UPLAND AREA				VALLEY AREA				
	WIDTH IN MILES	DEPTH BELOW SURFACE IN FEET	SLOPE IN FEET PER MILE		WIDTH** IN MILES	DEPTH BELOW SURFACE IN FEET		SLOPE IN FEET PER MILE	
			TRENCH	SURFACE OVER TRENCH		FOOT OF FALL LINE	MOUTH OF TRENCH	TRENCH	SURFACE OVER TRENCH
MISSISSIPPI	2 to 8	130 to 160	0.68	0.47	10 to 25	200	210	0.82*	0.74
OHIO	2 to 5	160	0.45	0.33	10 to 35	220	210	0.63*	0.73
COMBINED MISSISSIPPI-OHIO	---	---	---	---	20 to 45	210	350†	0.83	0.36
ARKANSAS	0.5 to 2	70 to 85	1.3	0.97	10 to 25	180	240	1.02*	0.79
RED	5 to 15	85 to 120	1.35	0.75	10 to 20	120	290	3.0	0.83

* SLOPE MEASURED FROM FOOT OF "FALL LINE" SOUTHWARD.
 ** WIDTH INDICATES DISTANCE BETWEEN DIVIDE CRESTS.