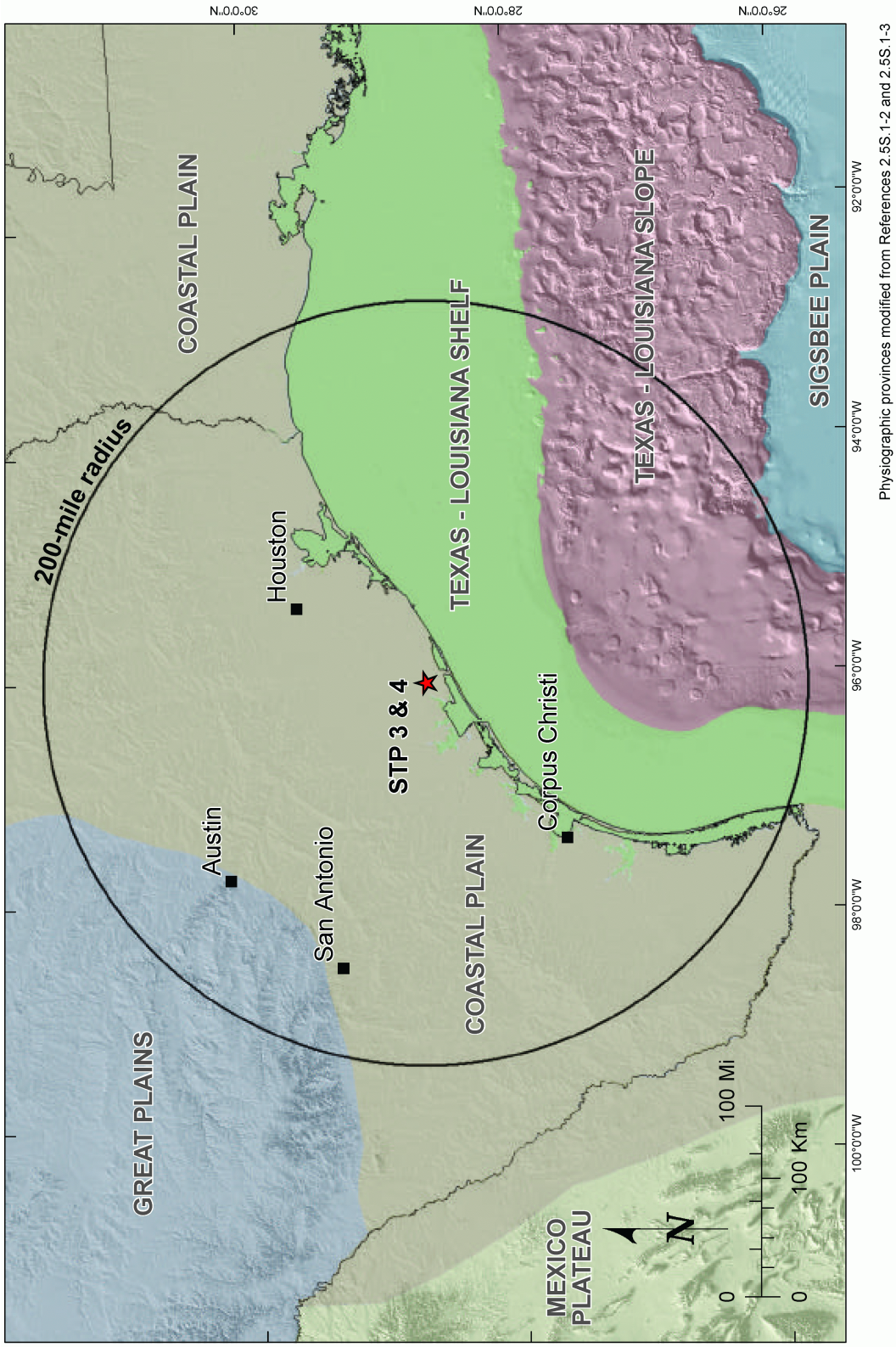


Figure 2.5S.1-1 Map of Physiographic Provinces

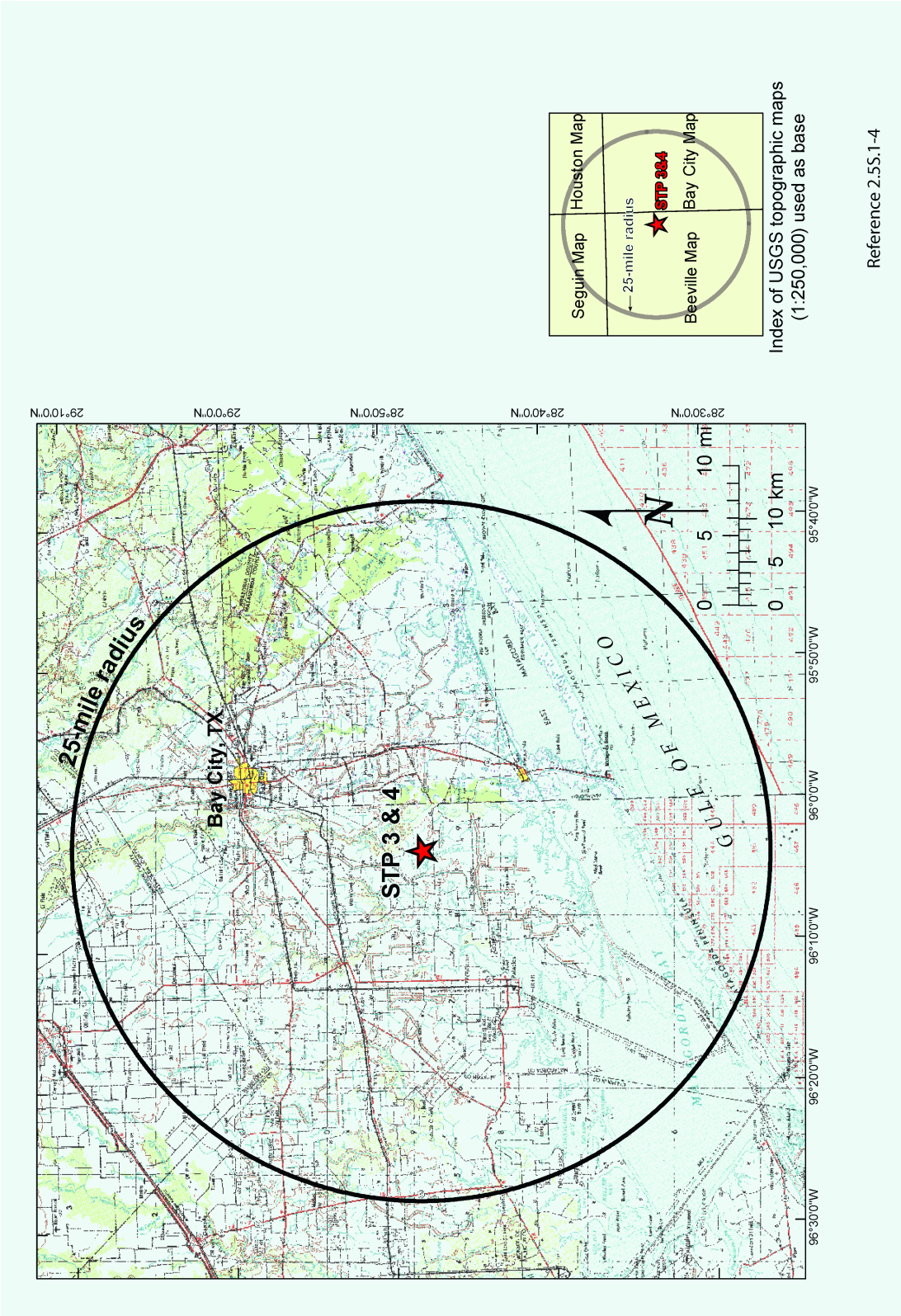


Figure 2.5S.1-2 Site Vicinity Topographic Map (25-mile radius)

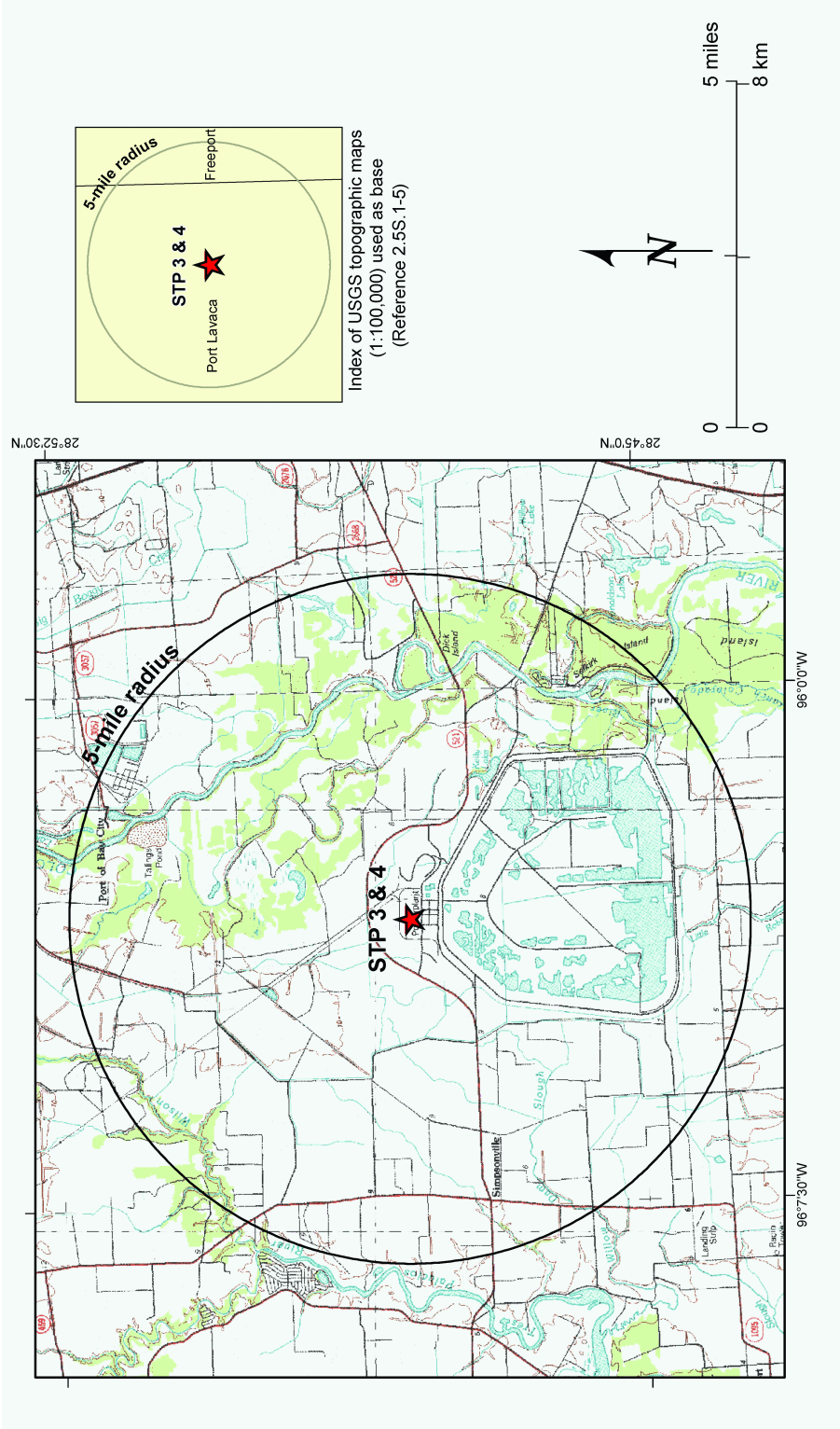


Figure 2.5S.1-3 Site Area Topographic Map (5-mile radius)

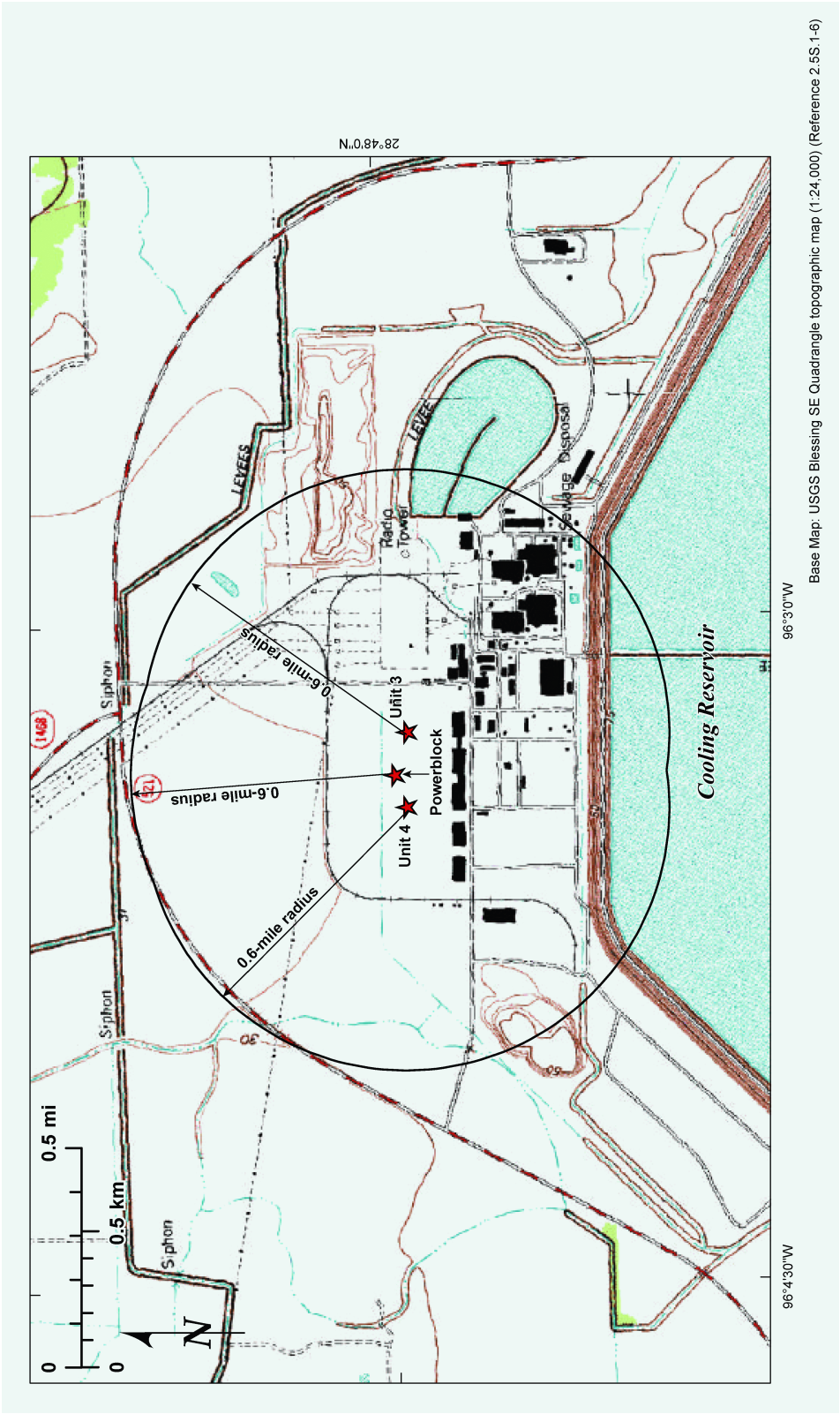


Figure 2.5S.1-4 Site Topographic Map (0.6-mile radius)

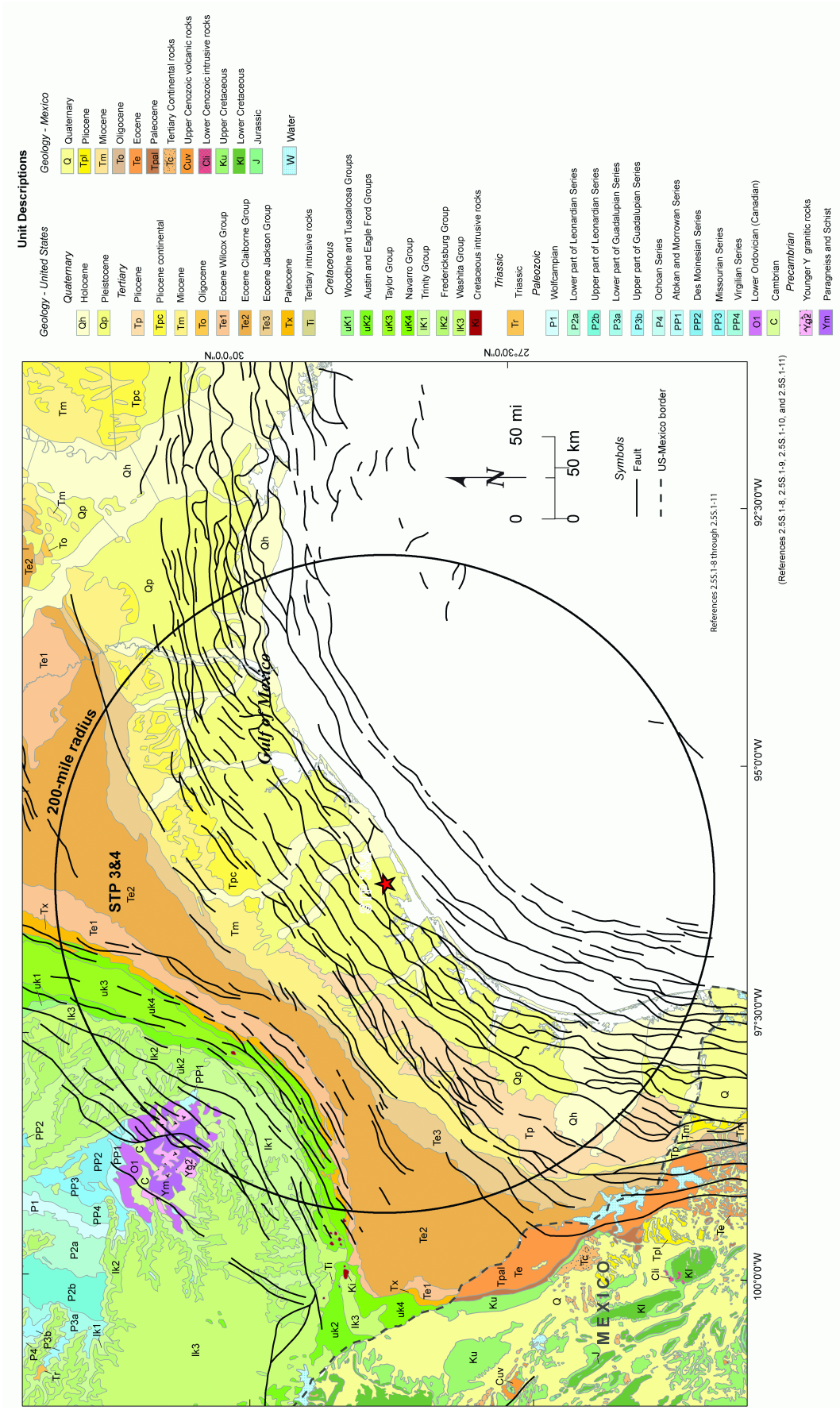
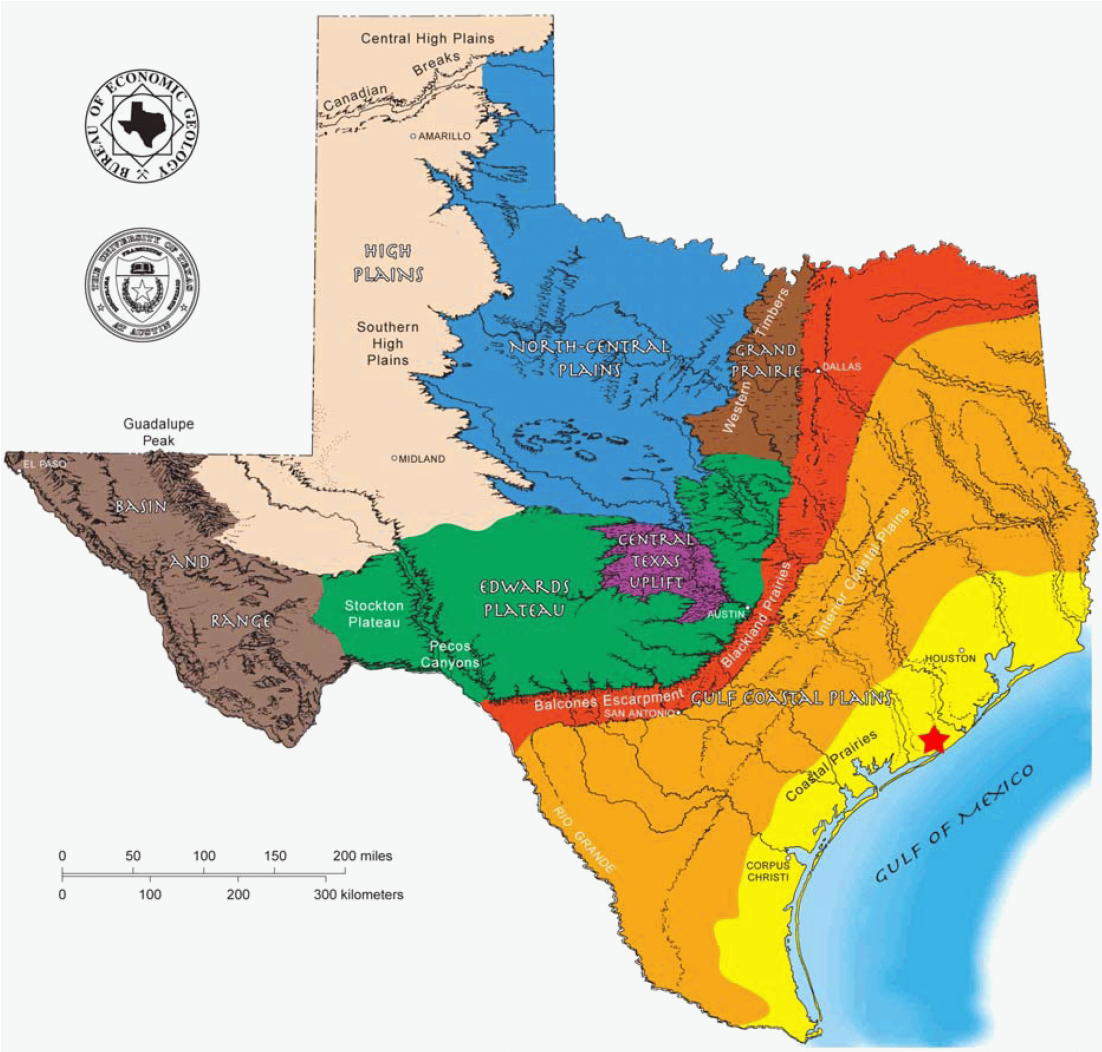


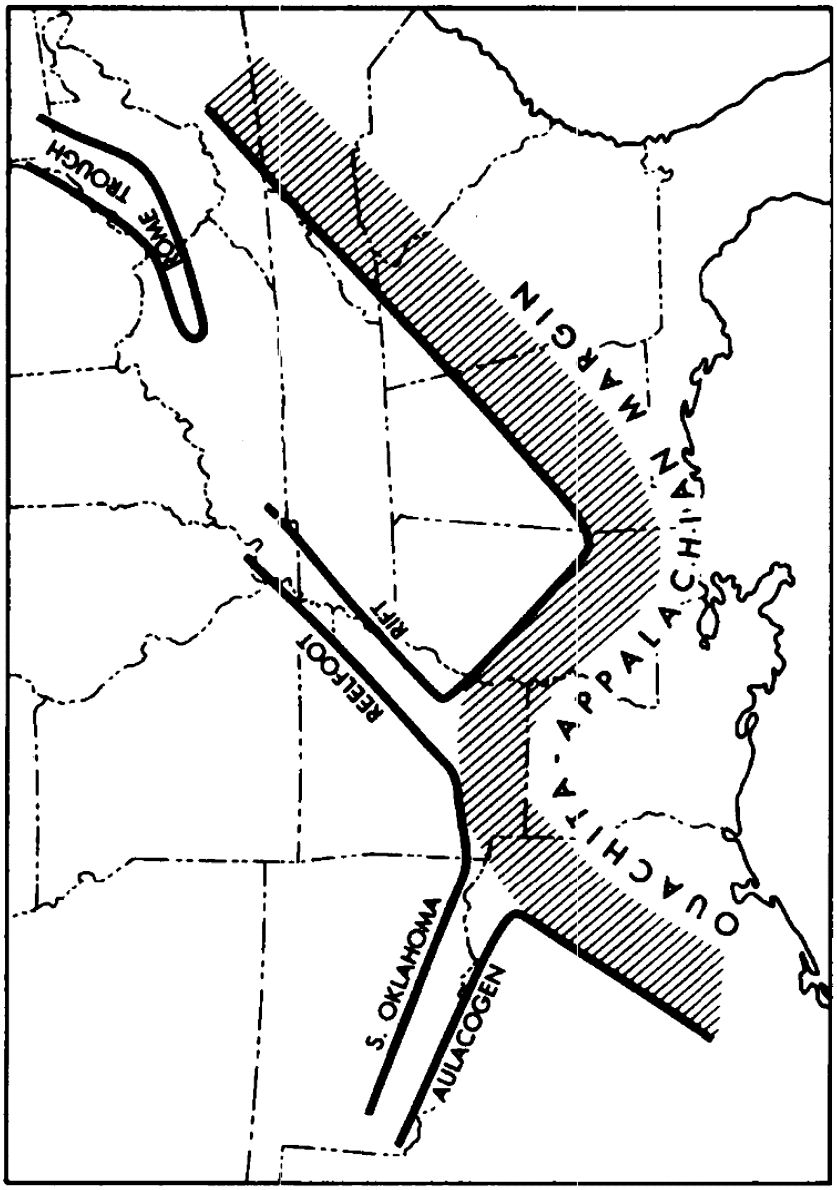
Figure 2.5S.1-5 Regional Geological Map (200-mile radius)



PROVINCE	MAX. ELEV. (ft)	MIN. ELEV. (ft)	TOPOGRAPHY	GEOLOGIC STRUCTURE	BEDROCK TYPES
Gulf Coastal Plains					
Coastal Prairies	300	0	Nearly flat prairie, <1 ft/mi to Gulf	Nearly flat strata	Deltaic sands and muds
Interior Coastal Plains	800	300	Parallel ridges (questas) and valleys	Beds tilted toward Gulf	Unconsolidated sands and muds
Blackland Prairies	1000	450	Low rolling terrain	Beds tilted south and east	Chalks and marls
Grand Prairie	1250	450	Low stairstep hills west; plains east	Strata dip east	Calcareous east; sandy west
Edwards Plateau					
Principal	3000	450	Flat upper surface with box canyons	Beds dip south; normal faulted	Limestones and dolomites
Pecos Canyons	2000	1200	Steep-walled canyons		Limestones and dolomites
Stockton Plateau	4200	1700	Mesa-formed terrain; highs to west	Unfaulted, near-horizontal beds	Carbonates and alluvial sediments
Central Texas Uplift	2000	800	Knobby plain; surrounded by questas	Centripetal dips, strongly faulted	Granites; metamorphics; sediments
North-Central Plains	3000	900	Low north-south ridges (questas)	West dip; minor faults	Limestones; sandstones; shales
High Plains					
Central	4750	2900	Flat prairies slope east and south	Slight dips east and south	Eolian silts and fine sands
Canadian Breaks	3800	2350	Highly dissected; local solution valleys		
Southern	3800	2200	Flat; many playas; local dune fields		
Basin and Range	8750	1700	North-south mountains and basins	Some complex folding and faulting	Igneous; metamorphics; sediments

(Reference 2.5S.1-12)

Figure 2.5S.1-6 Physiographic Map of Texas



(Reference 2.5S.1-19)

Figure 2.5S.1-7 Aluacogens of Laurentia

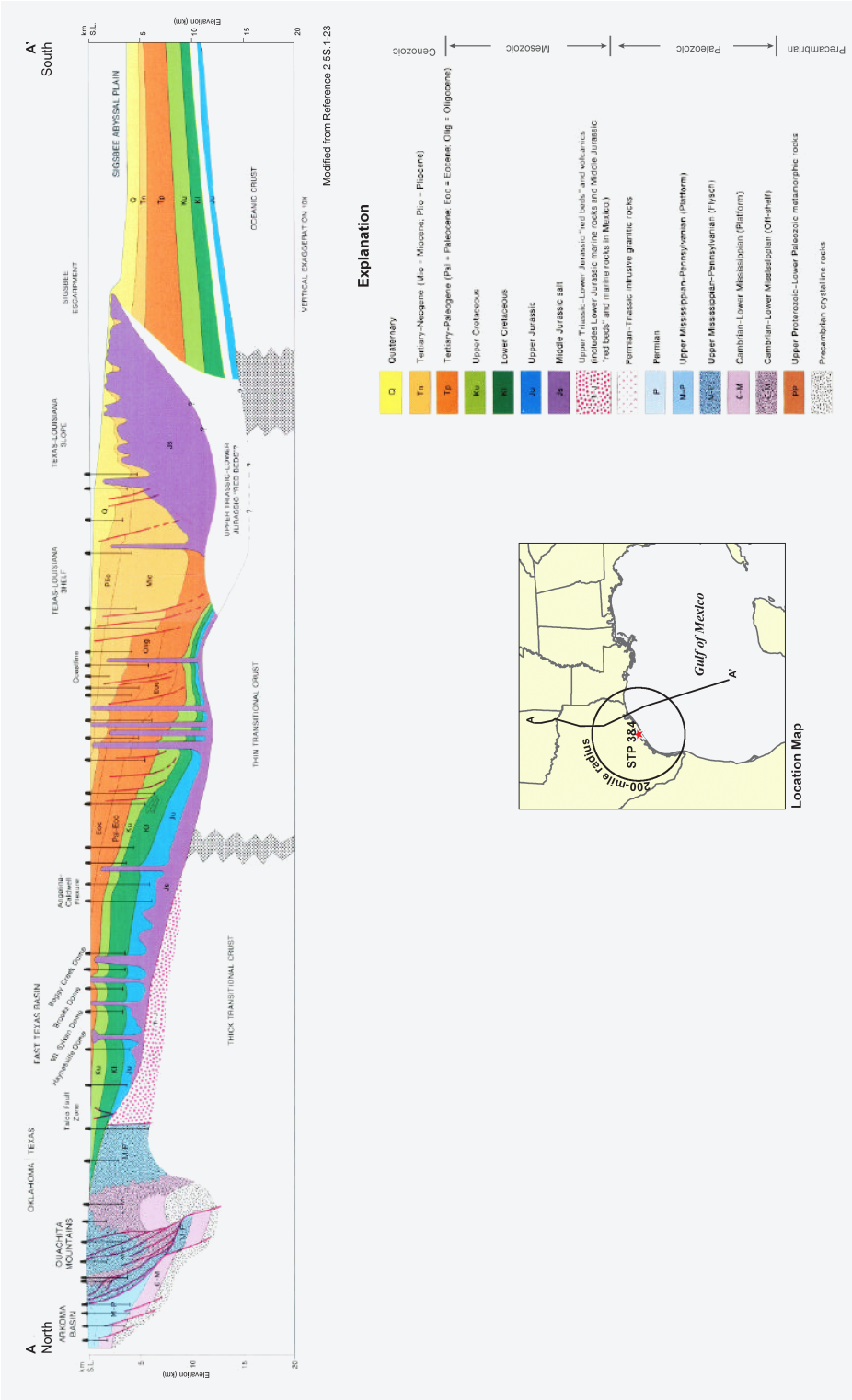
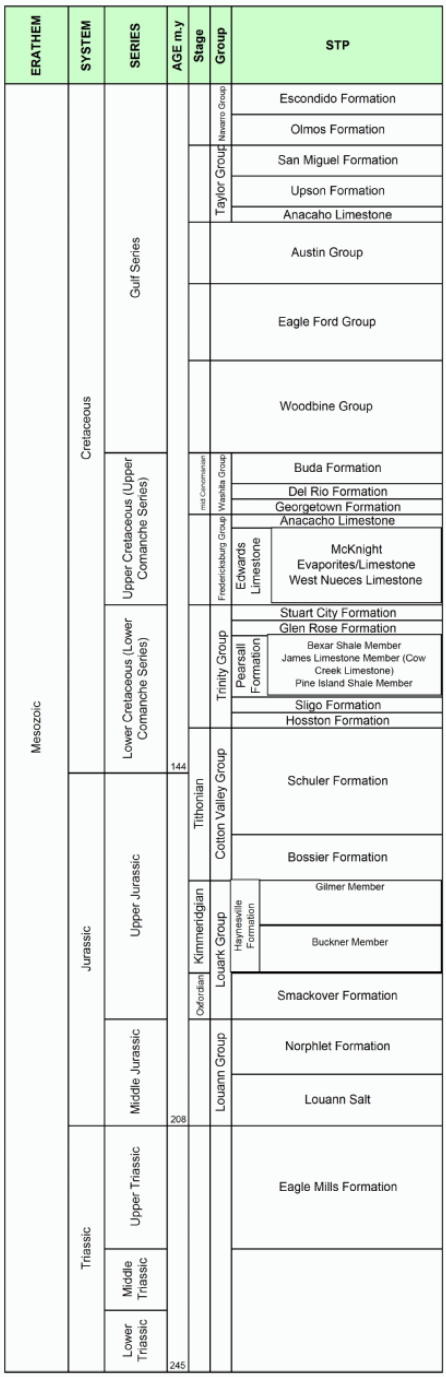


Figure 2.5S.1-8 Crustal Structure of the Ouachita Mountains, Coastal Plain, and Northern Gulf of Mexico



(Reference 2.5S.1-25)

Figure 2.5S.1-9 Regional Mesozoic Stratigraphic Column

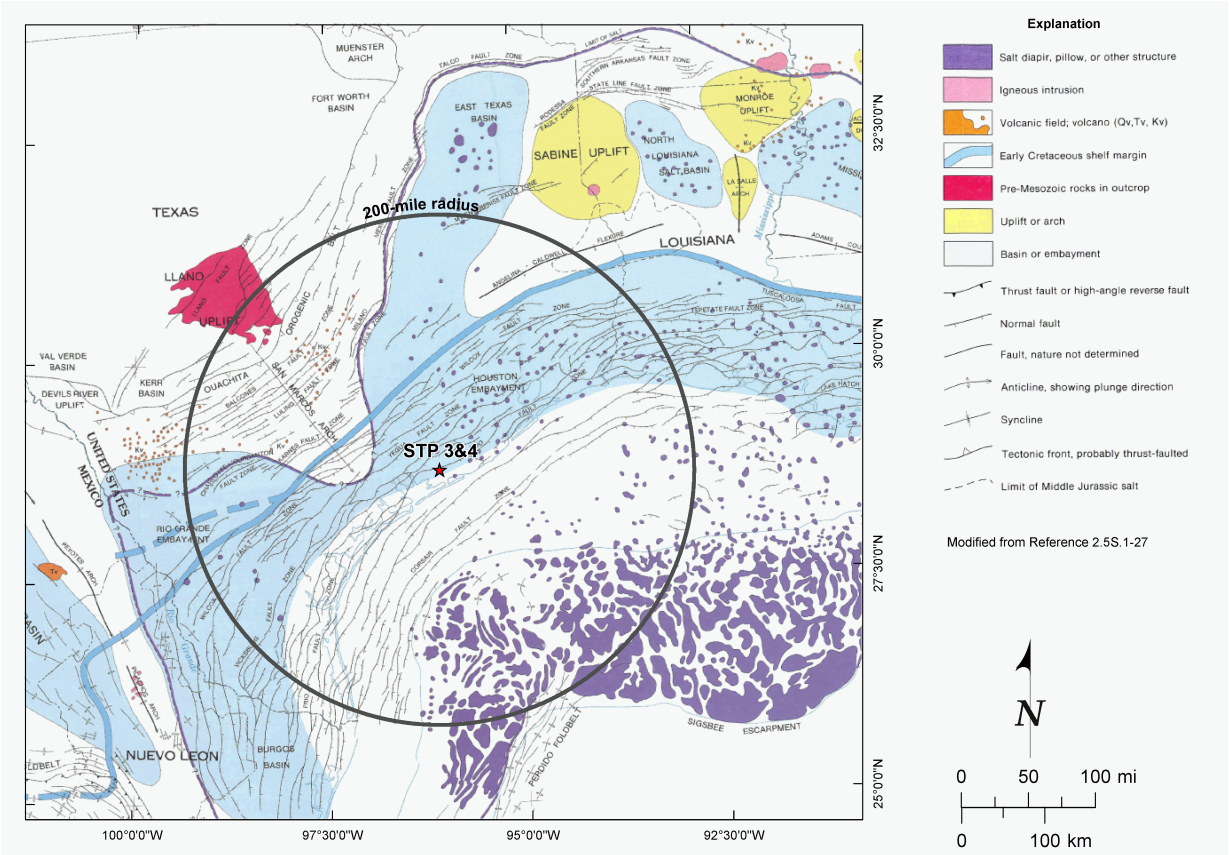


Figure 2.5S.1-10 Geologic Features of the Gulf Coast Region

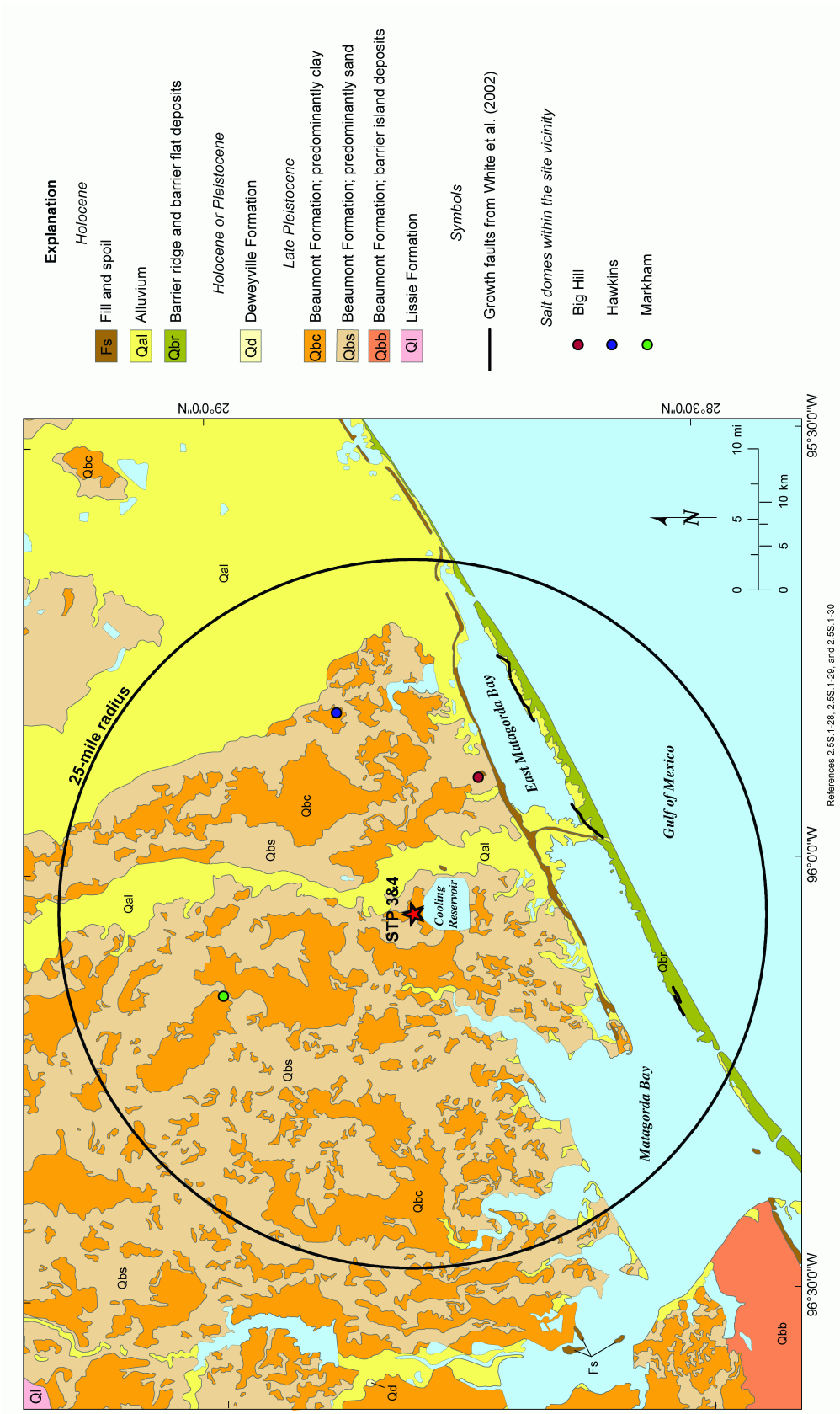
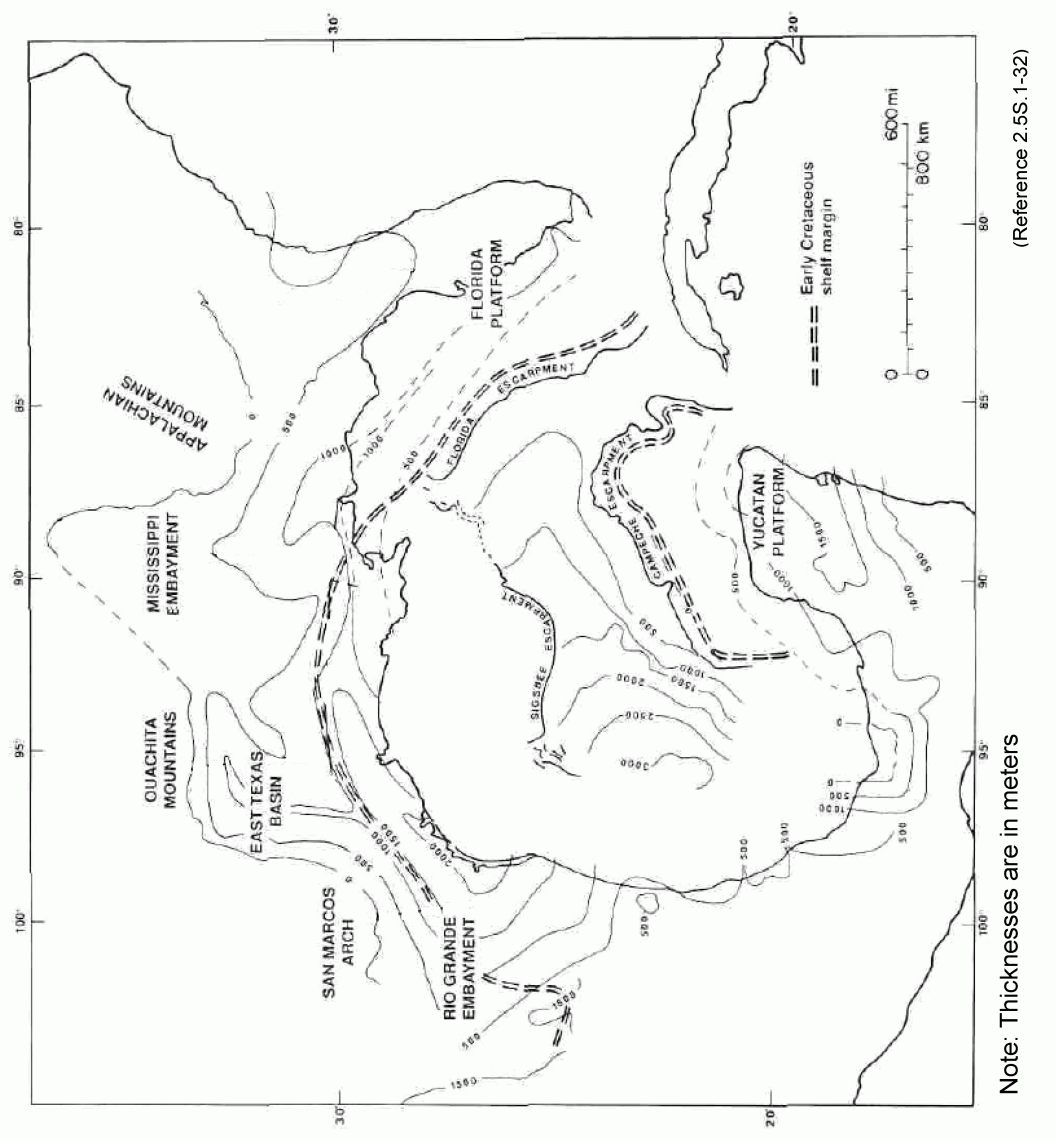


Figure 2.5S.1-11 Site Vicinity Geologic Map (25-mile radius)



Note: Thicknesses are in meters

(Reference 2.5S.1-32)

Figure 2.5S.1-12 Upper Cretaceous Isopach Map