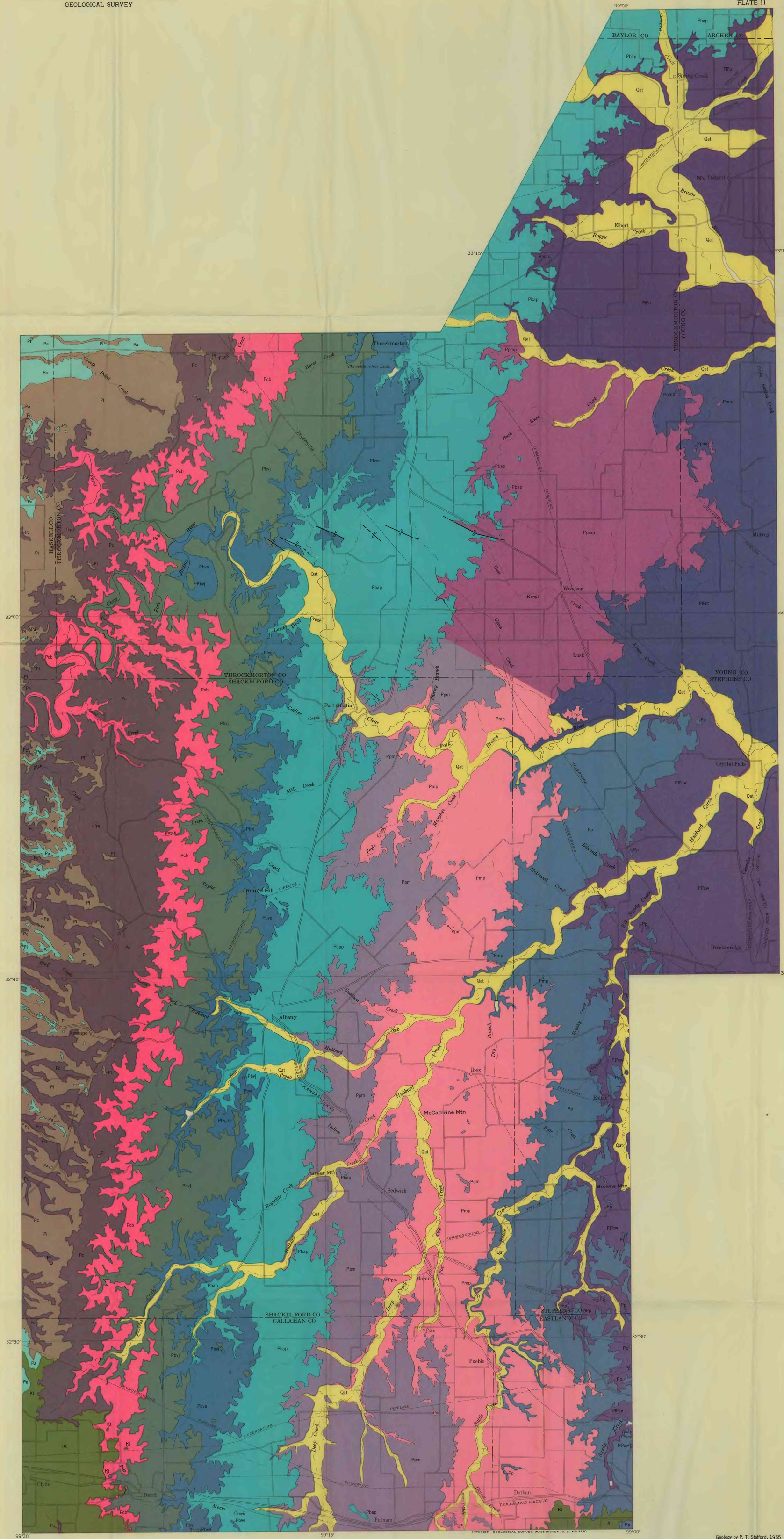
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BULLETIN 1081
PLATE 11



EXPLANATION

Pleistocene and Recent		Qat	Alluvium and terrace deposits *Only major deposits shown*
Comanche		Kt	Trinity group
Leonard	Clear Fork group	Pa	Arroyo formation
		Pl	Lueders limestone
	Leonard(?)	Pc	Unnamed shale member overlying the Talpa limestone member, Talpa limestone member, unnamed shale member overlying the Grape Creek limestone member, and the Grape Creek limestone member
		Pcb	Unnamed shale member of the Clyde formation overlying the Bead Mountain limestone member, and the Bead Mountain limestone member of the Belle Plains formation
		Pbvj	Valera shale member and Jagger Bend limestone member
		Pbve	Voss shale member and Elm Creek limestone member
		Pbap	Jim Ned shale member of the Belle Plains formation, Admiral formation, and Coleman Junction limestone member of the Putnam formation
		Ppm	Santa Anna Branch shale member of the Putnam formation and Sedwick limestone member of the Moran formation
		Pmp	Santa Anna shale member, Gouldbusk limestone member, and Watts Creek shale member of the Moran formation, and Camp Colorado limestone member of the Pueblo formation
		Pp	Salt Creek Bend shale member, Stockwether limestone member, Camp Creek shale member, and Saddle Creek limestone member
Cisco and Wichita groups		PPcw	Waldrip shale member of the Pueblo formation (Permian) and Thrifty formation (Upper Pennsylvanian)

	NORTH FROM APPROXIMATELY CLEAR FORK OF THE BRAZOS RIVER TO ELM CREEK	NORTH OF ELM CREEK
Ppmp	Santa Anna Branch shale member of the Putnam formation, Moran formation, and Camp Colorado limestone member of the Pueblo formation	
PPpt	Salt Creek Bend shale member, Stockwether limestone member, Camp Creek shale member, Saddle Creek limestone member, and Waldrip shale member of the Pueblo formation, and Thrifty formation	
PPu		Santa Anna Branch shale member of the Putnam formation, Moran formation, Pueblo formation, and Thrifty formation, undifferentiated

Wolfcamp; Wichita group; Belle Plains and Clyde formations; Clyde formation; Belle Plains formation; Putnam, Admiral, and Belle Plains formations; Pueblo, Moran, and Putnam formations; Pueblo formation; Cisco and Wichita groups; Thrifty and Pueblo formations

CRETACEOUS QUATERNARY — PERMIAN — PENNSYLVANIAN AND PERMIAN — CARBONIFEROUS

Base from Wichita Falls, Tex. (NI-14-8), and Abilene, Tex. (NI-14-11), topographic sheets of Army Map Service 1:250 000 series

RECONNAISSANCE GEOLOGIC MAP OF PART OF THE BRAZOS RIVER VALLEY, NORTH TEXAS

SCALE 1:125 000

2 0 2 4 6 MILES

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C. MR 3230

Geology by P. T. Stafford, 1955