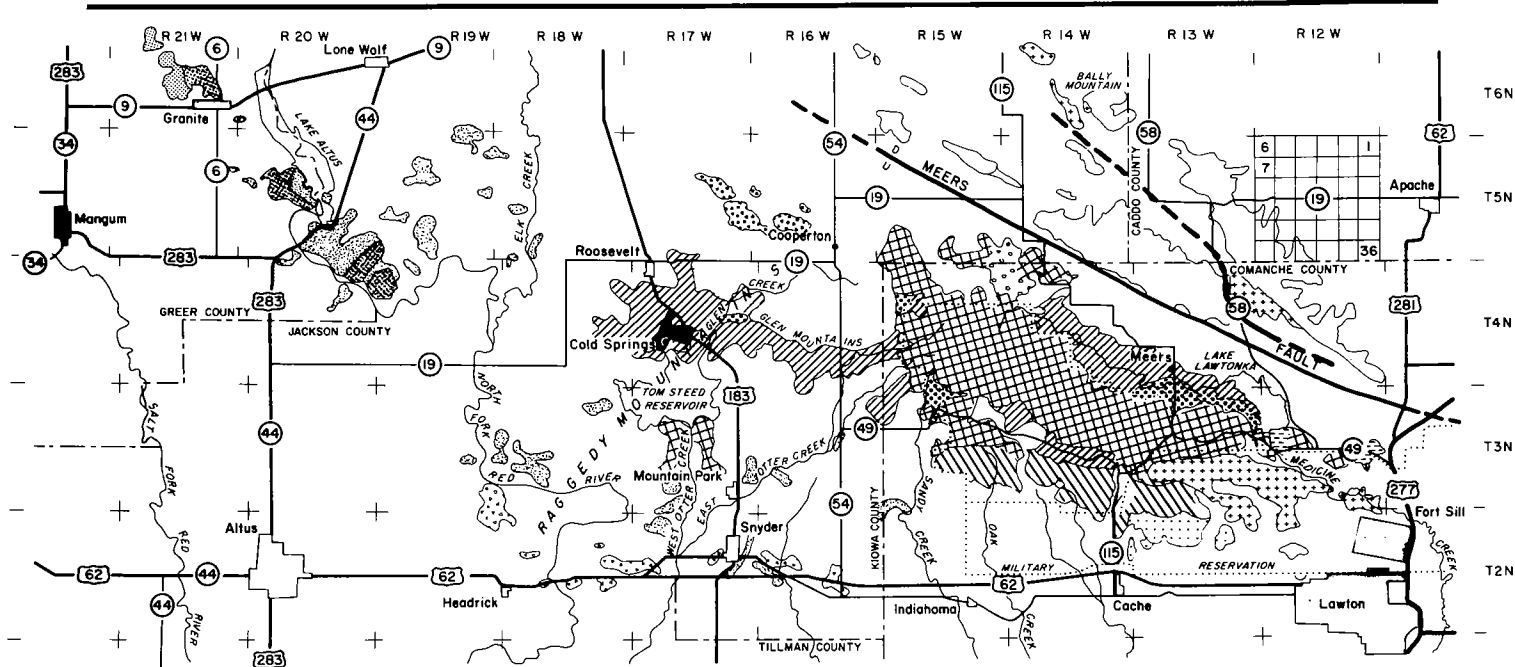


TABLE 5.—PROVISIONAL LITHOSTRATIGRAPHIC UNITS OF WICHITA GRANITE GROUP IN EASTERN WICHITAS

(Modified from Myers and others, 1981, table 4)

Formation	Petrography	Type Locality or Reference	Age Relations
Quanah	Facies C - Medium-grained, granophyric biotite-bearing Facies B - Fine-grained aplitic phase of A Facies A - Typical, arfvedsonite-bearing, grain size ~10mm.	Taylor (1915); Chase (1954) and Gilbert (1977-81) unpub. Quanah Parker Lake Dam to Little Baldy may be used as reference area for "A", SW-23-3N-14W.	Cuts Mt. Scott and Cache; the youngest in the east.
Cache	Granophyric microporphyry, grain size \leq 1-2mm, magnetite, very low C. I.	Green (1952) and Gilbert (1977-81, unpub.) See analyses W 743, WM-1, E. side of hill 1545' SW SW SW-7-2N-13W.	Cut by Quanah. Relationship to Mt. Scott unclear.
Medicine Park	Granophyric microporphyry, grain size $<$ 1-2mm, magnetite, very low C. I., distinct purplish cast, pyroxene-bearing in places.	Denison (1973; 1977, unpub.); Gilbert (1977-81, unpublished). NE-18-3N-12W.	Appears to cut Mt. Scott. Relationship to Cache & Quanah unclear.
Saddle Mountain	Gradational from spherulitic-porphyrific to granophyric-porphyrific; hornblende + biotite.	Hoffman (1930); Gilbert (1977-81, unpublished) SW-30-5N-14W to NE-7-4N-14W.	A possible differentiate of Mt. Scott. Relations to other units unclear.
Mt. Scott	Facies B - microgranite with C. I. as A but no ovoid feldspar, appears to underlie A Facies A - Typical, variably granophyric porphyry with ovoid feldspar, primary plagioclase, hornblende, \leq 2-4 mm, C. I. of 4 to 6.	Merritt (1965); Gilbert (1977-81, unpublished). Top of Mt. Scott, SE-11-3N-13W, and Ira Smith Quarry, SE-4-3N-15W are type areas for "A". Typical outcrops for "B" are granites overlying Carlton Group and Meers Quartzite in N half of 15 & 16-3N-13W.	Appears to be oldest in the east.

**OTHER IGNEOUS UNITS**

- Cold Springs
- Carlton Rhyolite
- Roosevelt Gabbros
- Glen Mountains Layered Complex

GRANITES

- Lugert
- Cooperton
- Long Mountain
- Reformatory
- Headquarters
- Quanah
- Cache
- Medicine Park
- Saddle Mountain
- Mt. Scott

Figure 8. Surface outcrops of Wichita Granite Group (Myers and others, 1981, fig. 2).