



- EXPLANATION**
- Qal Quaternary alluvium
 - Kk Upper Cretaceous Kirtland Shale.
 - Kfu Upper Cretaceous Fruitland Formation, upper part.
 - Kf4 Fruitland Formation, sandstone number 4
 - Kf3 Fruitland Formation, sandstone number 3
 - Kfcd Fruitland Formation, coals c and d
 - Kf2 Fruitland Formation, sandstone number 2
 - Kfab Fruitland Formation, coals a and b; includes sandstone number 1, which was only mapped separately on the western end of the study area; see appendix B-1 for descriptions
 - Kpc Pictured Cliffs Sandstone
 - Kl Lewis Shale
- Contact, dashed where covered
- Fault, bar and ball on downthrown side; this fault may be a low-angle thrust fault with the overthrust plate on the south side
- Station where joints in sandstone or cleats in coal were measured—only plotted on plate 6

Base map from Rules Hill and Ludwig Mountain quadrangles; Polyconic projection; 1927 North American datum



Geology mapped by R.C. Milci and S.M. Condon in October, 1995 and by S.M. Condon in May, 1996

Map showing locations of joint and cleat stations in the South Fork of Texas Creek to the Pine River area, La Plata County, Colorado

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