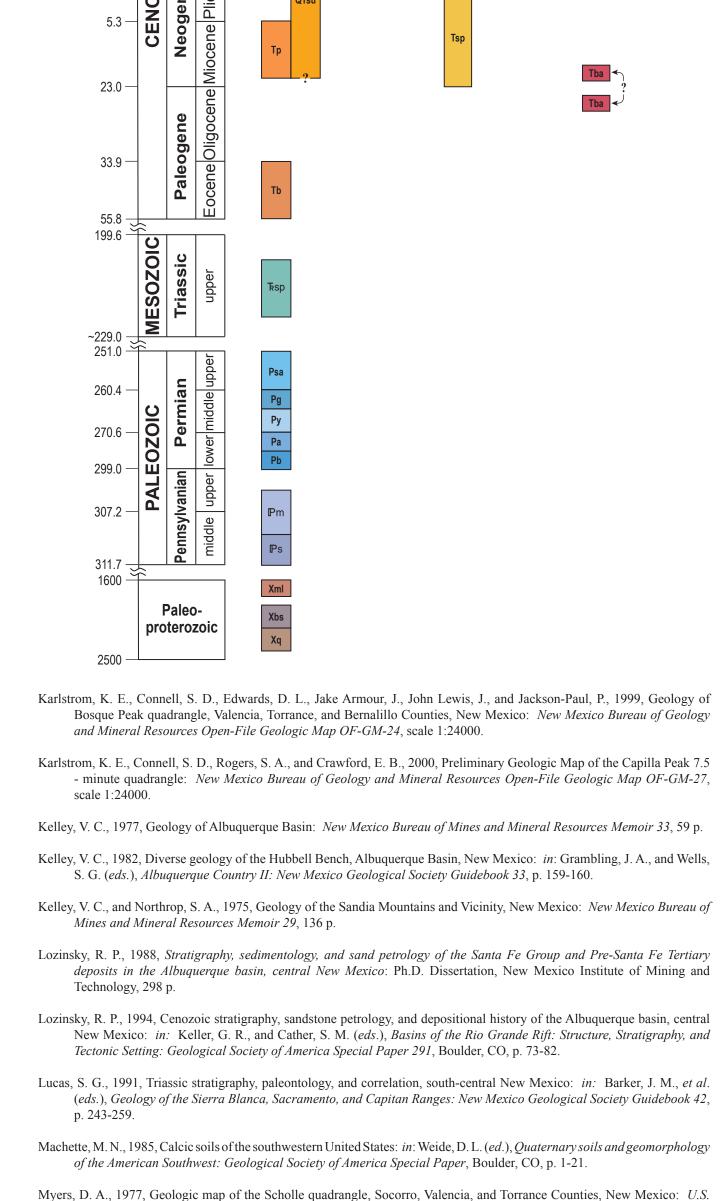


	Paleoproterozoic Igneous and Metamorp
1	Sais Quartzite — Massive white to gray metamorphic quartzite, locall up indicators include trough crossbeds defined by concentrations of upward graded bedding.
S	Blue Springs Schist — Rusty red to brown quartz-chlorite-garnet sch front fault, the rock is a purplish-green chlorite-sericite (?)-quartz sch lenses and pods of deformed vein quartz, from mm to cm in width, abundant and locally may comprise up to 50% of the rock. Contains a transposition layering defined by quartz lenses, and S2 is the domin third cleavage, S3 is variably developed and crenulates S2.



Location: First upthrown piedmont bench surface east of Hubbell Spring fault, 13N, 357476, 3840265. Geomorphic Surface: Qpm? Parent Material: A Horizon (0-3 cm) – loamy sand; light brown 7.5YR6/4 dry, 7.5YR4/4 moist; massive structure; 30% gravel content; loose dry consistence, non-sticky, non-plastic Bk Horizon (3-12 cm) – loamy sand; light brown 7.5YR6/4 dry, 7.5YR4/4 moist; massive structure; 40% gravel content; loose dry consistence, non-sticky, non-K Horizon (12-24 cm) – sandy loam; pink 7.5YR7/3 dry, 7.5YR6/4 moist; weak, very fine subangular blocky structure; 50-60% gravel content; loose dry consistence, slightly sticky, non-plastic wet consistence; Stage II+-III; few fine roots at top of horizon, few pores; gradual, smooth boundary. Ck1 Horizon (24-35 cm) – sandy loam; pink 7.5YR7/3 dry, 7.5YR5/4 moist; massive structure; 50% gravel content; loose dry consistence, non-sticky, non-plastic Ck2 Horizon (35-68 cm) – sandy loam; light brown 7.5YR6/3 dry, 7.5YR5/3 moist; massive structure; 50-60% gravel content; loose dry consistence, non-sticky, C Horizon (68-86 cm) - sandy loam; light brown 7.5YR6/4 dry, 7.5YR5/4 moist; massive structure; 50-60% gravel content; loose dry consistence, non-sticky, non-

A Horizon (0-6 cm) – loamy sand; light brown 7.5YR6/4 dry, 7.5YR5/4 moist; massive structure; 40% gravel content; loose dry consistence, non-sticky, non-plastic Bwk Horizon (6-18 cm) – sandy loam; brown 7.5YR5/4 dry, 7.5YR4/4 moist; weak, very fine subangular blocky structure; 60% gravel content; weakly coherent dry consistence, slightly sticky, non-plastic wet consistence; Stage II in lower part; fine roots common, pores common; gradual, irregular boundary. K1 Horizon (18-36 cm) – sandy loam; pinkish gray 7.5YR7/2 dry, 7.5YR6/2 moist; weak, very fine subangular blocky structure; 40% gravel content; loose dry K2 Horizon (36-56 cm) – loamy sand; pink 7.5YR7/3 dry, 7.5YR6/3 moist; massive structure; 70-80% gravel content; loose dry consistence, non-sticky, non-plastic Ck Horizon (56-72 cm) –loamy sand; light brown 7.5YR6/3 dry, 7.5YR5/3 moist; massive structure; 80% gravel content; loose dry consistence, non-sticky, non-

fault, 13N, 357150, 3840247. Geomorphic Surface: Qay-Qpy transition Parent Material: piedmont sands, pebbles, and eolian fine sand, silt, and clay A Horizon (0-10 cm) – sandy loam; strong brown 7.5YR4/6 dry, 7.5YR3/3 moist; massive structure; <10% gravel content; loose dry consistence, slightly sticky, Bt Horizon (10-29 cm) - loam; brown 7.5YR5/4 drv, 7.5YR3/4 moist; moderate, medium to coarse subangular blocky structure; <10% gravel content, except for a thin (2-3 cm) stone line around 12-15cm depth; slightly hard dry consistence, slightly sticky, slightly plastic wet consistence; fine roots common, pores common. Ck Horizon (29-127 cm) – silty clay loam; brown 7.5YR6/4 dry, 7.5YR4/4 moist; strong, coarse subangular blocky structure; <10% gravel content; hard dry con-

A Horizon (0-7 cm) – loamy sand; light brown 7.5YR6/3 dry, 7.5YR5/3 moist; massive structure; 30% gravel content; loose dry consistence, non-sticky, non-Bw Horizon (7-17 cm) - sandy loam; brown 7.5YR5/3 dry, 7.5YR4/3 moist; weak, very fine subangular blocky structure; 40% gravel content; weakly K1 Horizon (17-30 cm) – loamy sand; pinkish gray 7.5YR7/2 dry, 7.5YR6/2 moist; massive structure; 50-60% gravel content; loose dry consistence, non-K2 Horizon (30-66 cm) - loamy sand; pinkish gray 7.5YR7/2 dry, 7.5YR6/2 moist; massive structure; 70% gravel content; loose dry consistence, non-sticky, Ck Horizon (66-78 cm) – loamy sand; light brown 7.5YR6/3 dry, 7.5YR5/2 moist; massive structure; 70% gravel content; loose dry consistence, non-sticky, non-

Location: First upthrown piedmont (?) bench surface east of Hubbell Spring fault, just east of Ojo Huelos spring and southeast of Ojo Alamo spring, 13N, 358761, 3844402. Geomorphic Surface: QTsp Parent Material: piedmont (?) sand and gravels Elevation: 5418' Aspect: NW Slope: 6° Vegetation: A Horizon (0-4 cm) – loamy sand; reddish brown 7.5YR6/6 dry, 7.5YR5/4 moist; massive structure; <10% gravel content; loose dry consistence, non-sticky, non-

Bw Horizon (4-15 cm) – loamy sand; reddish brown 7.5YR6/6 dry, 7.5YR5/4 moist; weak, very fine subangular blocky structure; 10% gravel content; loose dry Bk Horizon (15-26 cm) – loamy sand; pinkish gray 7.5YR7/6 dry, 7.5YR6/4 moist; weak, very fine subangular blocky structure; 10% gravel content; loose dry K1 Horizon (26-34 cm) - loamy sand; pink 7.5YR7/3 dry, 7.5YR5/3 moist; massive structure; 30% gravel content; loose dry consistence, non-sticky, non-plastic K2 Horizon (34-63 cm) – loamy sand; pink 7.5YR7/4 dry, 7.5YR6/4 moist; massive structure; 30% gravel content; loose dry consistence, non-sticky, non-plastic