Merguerian Charles, 1982a, The extension of the Calaveras - Shoo Fly Thrust (CSFT) to the southern end of the Sierra Nevada Metamorphic Belt (SNMB), California.

The CSFT has now been mapped within the SNMB as far south as Lat. 37°30' N in Mariposa County, where the belt is engulfed by the Sierra Nevada batholith (SNB). The thrust has been folded and overturned north of the Tuolumne R. by forceful intrusion of the 170 m.y. Standard Pluton. It is truncated by granite (SNB) south of Hunter Bend of the Clavey River and re-emerges trending parallel to, but northeast of Pilot Ridge. The CSFT is cut by the Hazel Green Pluton and then, with a more southerly trend, extends 16 km beyond the Merced River The sub-vertical ductile thrust separates polydeformed quartzite, mica-quartz schist ±garnet and graphite, calc-silicate rock, and augen gneiss of the upper plate Lower, Paleozoic Shoo Fly Complex on the east from argillite, chert, marble, and talc-schist of the lower plate Calaveras Complex on the west. Within the 250 m-wide CSFT zone, syn-metamorphic imbrication of rock units and intense silicification is common. Slices of the Calaveras occur as flattened and disarticulated meter-scale sheets of recrystallized argillite, massive and rhythmic-bedded chert, quartz sandstone and mylonitic marble intruded locally by syn-tectonic granite. In the Shoo Fly, the CSFT fabric (S_3) is marked by the development of blastomylonite with 0.1-1.0 cm-spaced syn-metamorphic shears and attendant isoclinal folding and transposition of pre-thrust penetrative fabrics (S_1 and S_2) into S_3. Since the Shoo Fly, with its distinctive structural style, occurs in the upper plate of the CSFT as far south as Lat. 37°30'N, roof pendants to the east and southeast must be restudied to ascertain the full extent of Lower Paleozoic wallrocks and the tectonic significance of the CSFT.

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