

THE DEVIL'S PUNCH BOWL

Approximate Directions: (1) Take the 14 FWY north (2) Exit at Pearblossom Road and go north (3) Take a right at Little Rock Road (4) Right at Barrel Springs Road (5) Right at Cheesboro Road (sp?) (6) left at Mount Emma Road (notice a ridge and **sag pond** on the return trip to the right, we talked about after a normal fault, water hits the bedrock and ridge and the water pools up a few feet underneath. this is so-called "fine bottom land") A pinon ridge usually accompanies the mine. lllllllllll (7) Right on Fort Tejon Road (8) Right on Longview Road (by Palate Creek, a famous geology study-site) (9) Left on Tumbleweed Road (don't try it without a map!)

Major Features: (1) to the left the San Andreas Fault (2) to the right 2 faults running 20-30km called the Punch Bowl Faults. (3) Best example of a **plunging syncline**. Fold it, then tip it. This a very sharp syncline. (4) Similar rocks are found 70km to the right, evidence that the Punch Bowl Fault is a right-strike slip fault.

(5) The folding of the sandstone sedimentary layers was over 2 million years ago (mya). (6) The sediment was deposited 6-9 mya. (7) This is still a very active region with the mountains still going up today.

Placerita Canyon Road

(1) go west off the 14 FWY on the Placerita Canyon Road (2) stop after passing thru a tunnel (not coincidentally built under a fault (2)