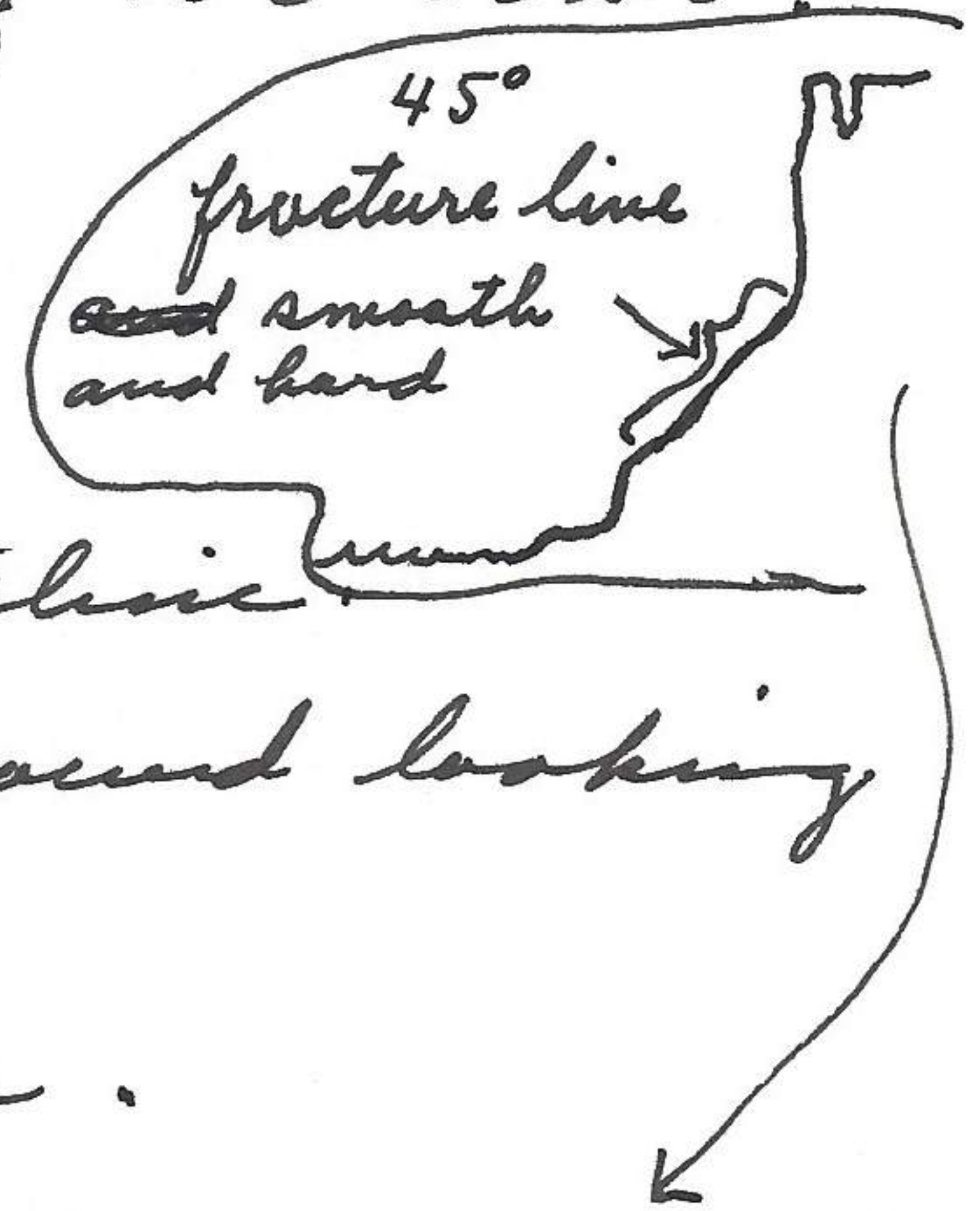


3/10 mi. W of SE corner Sec 22, R 21 E, T 12 S, Leavenworth  
Co., Kansas. Kaw River.

Dec. 16, 1966

At approximately the locality above, plus or minus the amount of erosion since the map of 1951, are located three anticlines and 1 syncline (approx meter high) on E exposure of eroded river banks. (see Nov. 12 notes). These structures are in a linear distance of 150' or so. made the following photographs.

- Photo 661216-1 of anticline.
- Photo 661216-2 of <sup>a</sup> second anticline
- Photo 661216-3 of syncline
- Photo 661216-4 close up of S limb of anticline
- Photo 661216-5 from top with grass foreground looking SE down river.
- Photo 661216-6 To west three weed stacks.



Because the cliffs are high, precipitous and insecure, the cultivated fields end at approx 8-10 feet from edge. This leaves an unaffected area of weeds. There is a well developed animal community here of large & small trails as well as large and small holes. There is a definite reaction between the mammals & cliffs, especially where fracture systems parallel cliff approx 1 foot inland. Along edge of river are about 10 sets of raccoon tracks and some fox tracks. This area below cliffs is inaccessible to large mammals except along river. I found only 1 place that I could gain bottom or base of cliffs and that precariously down drainage channel. Water clear.

At a point approx 1/2 mi. W and 3/20 mi. S of NE corner of sec 28, T 12 S, R 21 E, <sup>Leavenworth Co. small</sup> at bridge of R.R. (NW corner of bend) photographed no. 661216-7 of Kaw River showing eroded septum. This area on last trip was water from bank to bank because of the release of water from Tuttle Creek. This area <sup>of river</sup> is almost spanned by sand bars at low water level.

At the Eudora bridge made one photograph of Kaw River to E no. 661216-8 and one . 661216-9 to W showing gravel streaks off shore.