

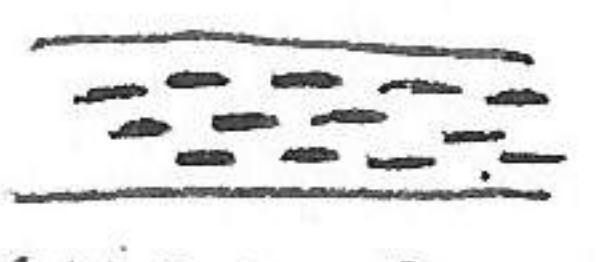
April 19, 1968 Douglas Co., Kansas

28 cedar washings on campus.

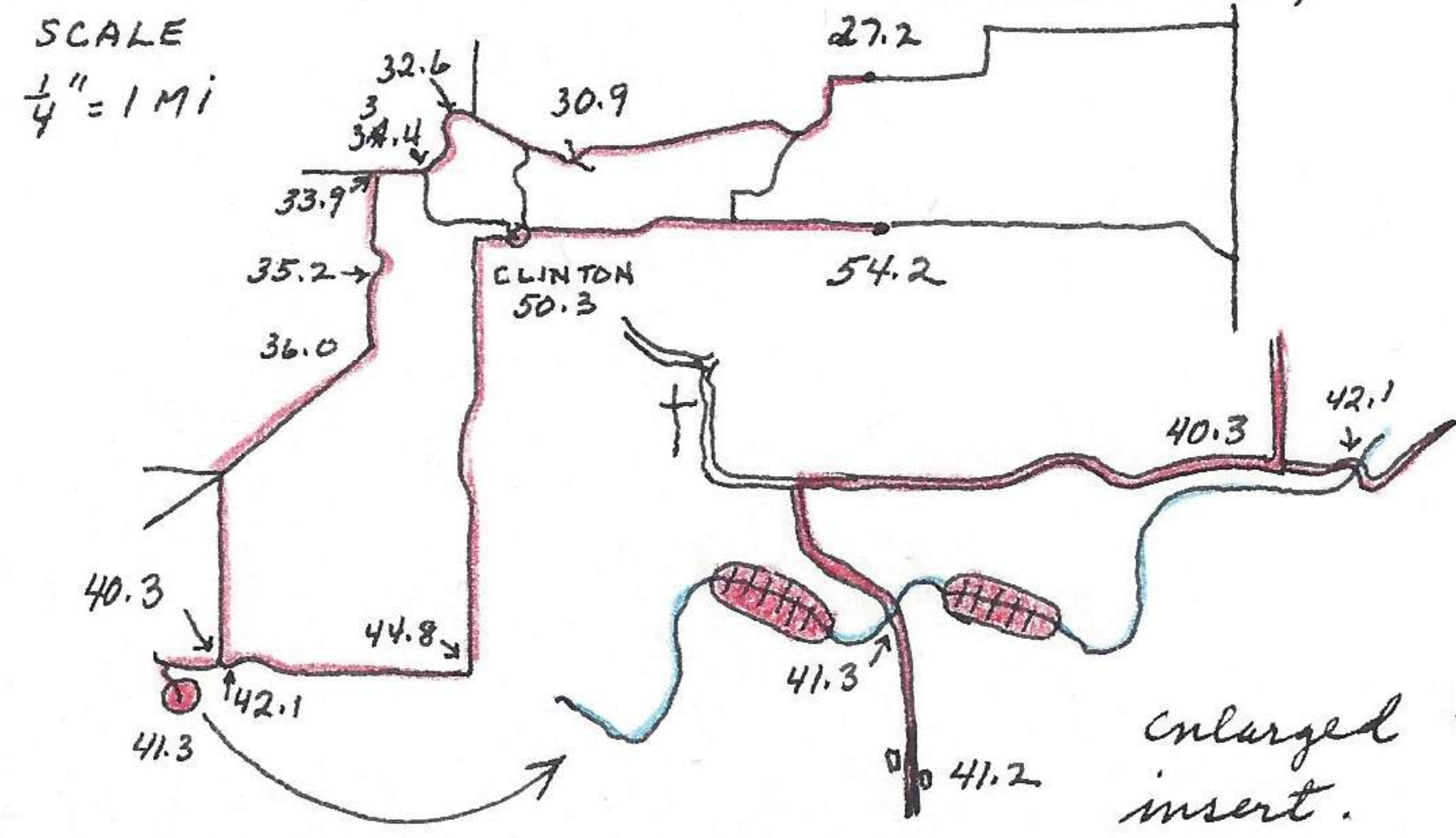
Rock Creek, Douglas Co. Kansas

April 21, 1968

Mary Pauline and I made census of Wakarusa drainage and collected unionids in upper Rock Creek. Day overcast and rain scheduled for this P.M. Enroute to Sigel noted a redtail and Swainson hawk. Sigel 27.2 mileage at 11:05. 27.5 meadow-lark and cardinal. 28.3 redtail circling. 28.4 Y in road. Eng. sparrows at cattle pens, cardinal. 28.6 Creek with clear water. 29.0 3 turkey vultures. 29.1 n end proposed dam. 29.3 savanna sparrow. 30.0 redtail circling on hill to n. 30.3 2 crows. 30.4 passing Peterson Road. 30.9 Wakarusa bridge, water 3 feet above usual level, cardinal. 31.4 savanna sparrow, meadowlark. 32.2 turkey vulture at Patton Bridge, cardinal, 8 grackles. 32.4 2 blue jays, cardinal, titmouse. 32.6 to S thru forest. phoebe, cardinal, titmouse, chipping sparrow, downy. 33.1 yellow-shafted flicker. 33.4 main road, cardinal. 33.6 bluebird. 33.9 to S. 34.2 2 horned larks. 34.5 2 blue jays far from woods or trees, 34.7 savanna sparrow. 35.0 base of hill, bluebird and cardinal. 35.2 top hill, chipping sparrow. 35.5 5 cowbirds. 35.9 2 blue jays. 36.0 main road. 36.1 2 blue wing teal in pond. 36.4 redtail, sparrow hawk, meadowlark. 36.8 Crow, meadowlark. 37.7 2 meadowlark, meadowlark, cowbird, meadowlark. 38.1 meadowlark, 2 cowbirds. 38.4 savanna sparrow, Crow. 38.6 meadowlark. 39.3 meadowlark, Chipping sparrow. 39.5 cardinal, bluejay. 40.3 Rock Creek, now to right. 41.2 farm yard, turned around and back to creek.

41.3 Rock Creek crossover (11:45 A.M). Collected series of unionids below and above crossover. no 680421-1. Coal seam well exposed. Fossil tree with different marks , rather than ^{leaf} scars. This is one of the interesting rock exposures on creeks. Left 12:50. 42.1 ^{abandoned} old river bridge ^{site}. Phoebe nest with 6 eggs. Blue jay in area. 42.8 redtail. 42.9 meadowlark. 43.4 meadowlark. 43.7 meadowlark. 44.8 now to N.

45.3 meadowlark. 45.5 meadowlark. 46.7 bluebird. 46.0 crow, 2 grackles. 46.3 2 meadowlarks, killdeer. 47.2 mockingbird. 48.1 Rock Cr. bridge. 49.1 3 cowbirds. 49.4 main road, shrike. 49.8 to E, shrike, meadowlark. 50.2 12 grackles. 50.3 Clinton. 50.4 robin. 50.8 sparrow hawk. 51.2 starling. 51.6 meadowlark. 52.2 2 mourning doves. 52.9 Rock Creek, meadowlark, cardinal. 53.5 meadowlark. 53.7 2 grackles (at house). 53.8 meadowlark. 54.2 S end proposed dam. End complete census.



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