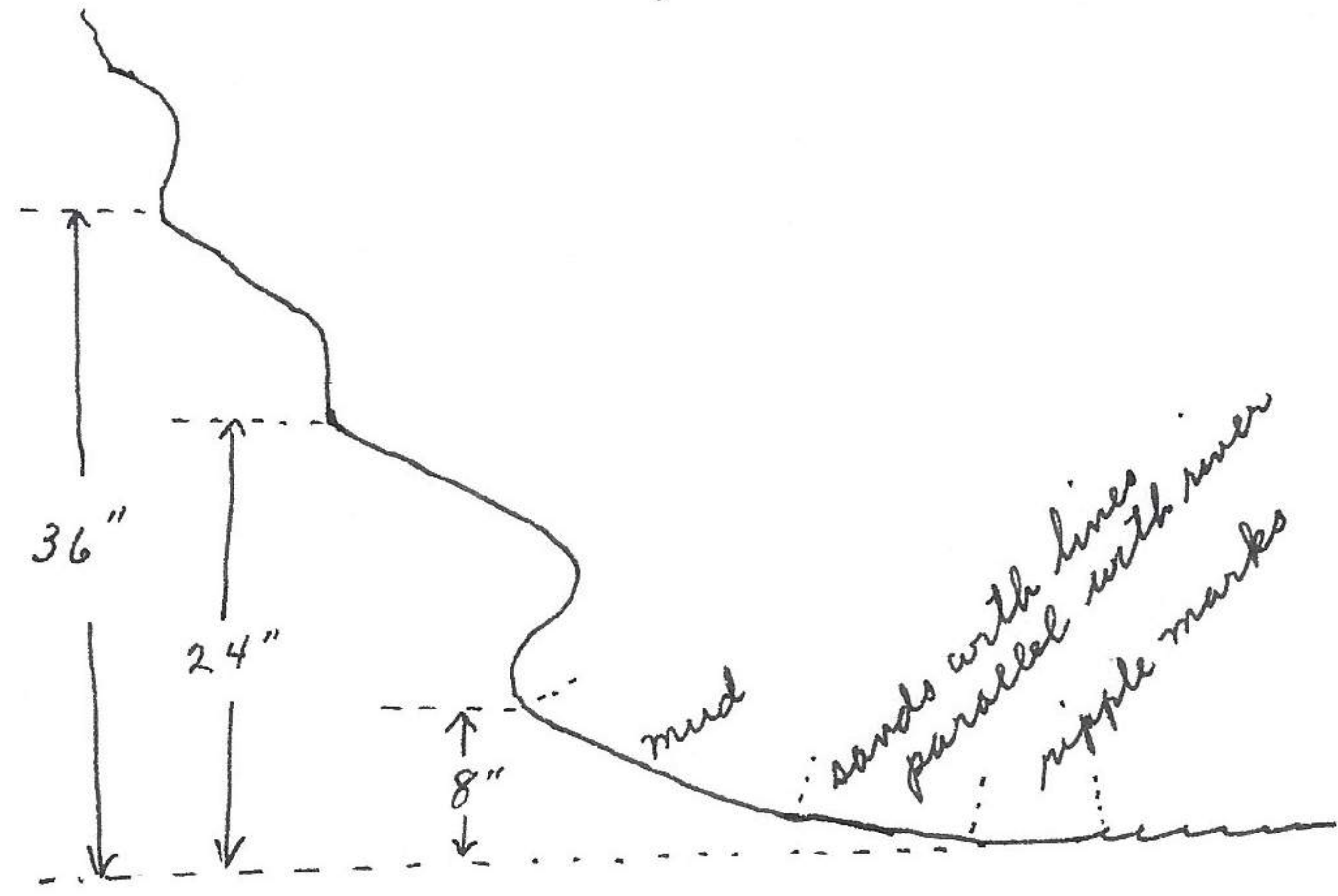


Kaw River, Lawrence to Eudora, Douglas - Leavenworth Cos., Kansas

April 27, 1968 (see page 26 for April 24, 1968)

made solitary ^{conoe} trip from bridge at Lawrence to bridge on Waterusa north of Eudora. Left 9:18 A.M. Air temp 64°F, water 56°F, both in shade. Birds calling in riparian community including pewee. 9:30 a spotted sandpiper left bank of river and started to fly down stream along edge of river when a great horned owl left from an overhanging tree. At that moment the sandpiper changed course abruptly toward center of river and then turned and flew up stream. It called loud at the time of initial contact with the owl. In approximately 30 seconds, 2 crows flew π across river and started to harass the owl which had alighted about 200' down river. The crows were followed by a sparrow hawk and finally a robin voiced its protest. 9:46 Outlet from Fmc plant. A brilliant green mass is associated with the discharge. Since the rain of April 23 the water has lowered approx 36 inches. The profile of bank is as follows and is constant along the entire river course. The upper and lower level were most deeply eroded; the middle level, least so. The upper and lower level shows evidence of being formed by carp with recessed concavities. Most places show root systems. 10:12 passing under high voltage power line. Birds observed so far include: 8 blue jays, 13 cardinals, 20 titmice, 2 flickers, 3 mourning doves, 6 chickadees, 7 grackles, 2 crows, 1 great horned owl, sparrow hawk, pewee, yellow warblerlike call, 2 hairy woodpeckers, 1 downy. 10 carp have jumped out of the water so far. Beaver tracks common and runway over bank profile of high water of April 23. Have ^{right} been drifting with current since utility line 10:12. Slight head-on wind and variable. No frog calls in area π side where heard last trip. 10:30 5 bluejays flew across river from π to south followed by 2 redtails flying on same altitudinal level. After checking two trees the jays returned to π side. They call vigorously while flying between trees but have subdued call while searching in trees. Flicker drumming. Can hear 3 groups of bluejay in various directions, all identifying by vigorous calls. Still floating with current. 10:39 bank swallows excavating hole in first set of sand cliffs since major damage from right. These cliffs are approx. 400' long between stands of riparian trees. These swallows call continuously at ex-



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