

680408-17

these vultures could be the same ones as ^{previously observed,} 5 juncos. Stopped and resumed at 4:15. 4:16 redbellied and 2 cardinals. 4:17 redtail hawk. 4:20 3 juncos, the raccoon tracks are along edge of river but frequently tracks lead down to water and then return as if the animal was approaching river for washing food or drinking purposes. 4:21 cardinal, 4:22 cardinal. The high water mark of this season is about 3' above present level and shows periodicity of lowering. 4:32 group goldfinch (12), mourning dove, 2 cardinals, red-bellied woodpecker, titmouse. 4:34 drainage from left with clear water. 4:45 juncos. 4:48 passing house to right, phoebe and chickadee, cardinal. 4:50 stopped - left 5:04. 5:05 titmouse and chickadee. 5:09 muskrat left burrow and swam down stream. 5:10 Belvoir bridge. 5:10 2 cardinals, chickadee, titmouse. 5:20 beginning of wooded area, red-bellied woodpecker. 5:27 titmouse. 5:30 5 cardinals (together), 4 chickadees, redtail, G.H. Owl, ^{titmouse} great blue heron. 5:35 arrived at cascades and end of complete river census. Son James Robert and Greg Estes met us at this point and they continued down stream to Patton bridge where we picked them up. No census of roadside populations on return trip to Lawrence. Distance covered approx. 5 miles ^(3 hrs. 45 min). Summary of birds observed (river census)

blackcapped chickadee 2-1-1-1-2-2-1-1-1-2-4-1-1-1-4 = 25	red-bellied woodpecker 1-1-2-1-1-1 = 7
Cardinal 2-1-2-2-1-1-2-2-1-1-2-1-2-5 = 25	downy 2-1 = 3
titmouse 1-2-1-4-1-2-2-1-1-1-1-1 = 18	flicker 1-
turkey vulture 1-2-2 = 5	phoebe 1-
redtail 1-1-1-1 = 4	goldfinch 4-8-12 = 24
marsh hawk 1	juncos 2-4-4-2-5-3-1 = 21
crow 2-1 = 3	great horned owl 1-1 = 2
bluebird, eastern 1	great blue heron 1-1 = 2
hairy woodpecker 1	fox squirrel 1
mourning dove 1	blue jay 2
	muskrat 1
	also Kava pipewrens, Corophias, small frogs, bull-frog, beaver sign.

Kansas River (Kaw), Lawrence to Eudora, Douglas and Leavenworth Cos., Kansas

April 10, 1968

made solitary canoe trip from Lawrence to Eudora, leaving at 9:00 A.M. water of river 56°F (in shade as all water temperatures are recorded, air (in shade) 62°F. most of route will be by current