

Enroute to the quarry listed all birds to S end of proposed dam from Lawrence including: meadowlark, bobwhite, cricket frogs, grackle, dickcissel, redwing, barn swallow, crow, Eng sparrow. Water on upper erosional bench of Wabamusa, top of Rock Creek. The ditches along side of road are full and extending into drainage ditches of fields. Has been raining for last 24 hrs & now etc about 4:00 P.M. is temporarily let-up. From S end dam drove directly to quarry. 8 or 9 shallow pond not over 1 1/2 feet in depth. Pseudacris would jump into ponds and swim out into pond and remain on the bottom, some with difficulty and would stand upright. Some of these shallow lakes are bare and frogs can easily be procured. In other ponds with cattails and other vegetation, reclaiming of frogs is difficult or impossible. Apparently depth of pond is more important than vegetation. The two toads were under rocks at edge of pond, they jumped into the water and swam immediately to shore. Six tree frogs (Hyla), 2 narrow-mouths and cricket frogs can be heard. No Rana pipiens observed. The pond on extreme left on entering quarry is producing most frog calls and the pond that has most cattails. In area are: field sparrow, Baltimore Oriole, dickcissel, Indigo bunting, <sup>blue jay, downy,</sup> 3 redwing blackbirds, Cardinal, chickadee, The two grass snakes were taken approx. 250' apart, one (no 1) under a sheet of cardboard 10' from a pond in grassy area and no. 2 from 5 feet of hole between two rocks not associated with water. Time 5:30 P.M. with cloudy sky. Left 5:45. Will keep census to S end of dam. Mileage 9.1 just as I started down hill were 2 cottontails. Chickadee, pewee. 9.2 cardinal. 9.3 downy. 9.4 base hill. water flowing across road. Indigo bunting, bobwhite calling, dickcissel, 9.5 dickcissel, dickcissel. 9.6 3 dickcissels, eastern kingbird, lark sparrow, dickcissel, redwing, redwing. 9.7 eastern kingbird, dickcissel. 9.8 dickcissel. 9.9 redwing, 2 bobwhites, eastern kingbird. 9.95 main road. Eng sparrow. 10.0 redwing, dickcissel, redwing. 10.1 redwing, dickcissel, 10.3 dickcissel, dickcissel, 10.4 dickcissel, dickcissel, redwing. 10.6. S end dam. + end of census. Birds between here & Lawrence. dickcissel, redwing, grackle, e. kingbird, meadowlark, shrike. Atmosphere dense bluish.