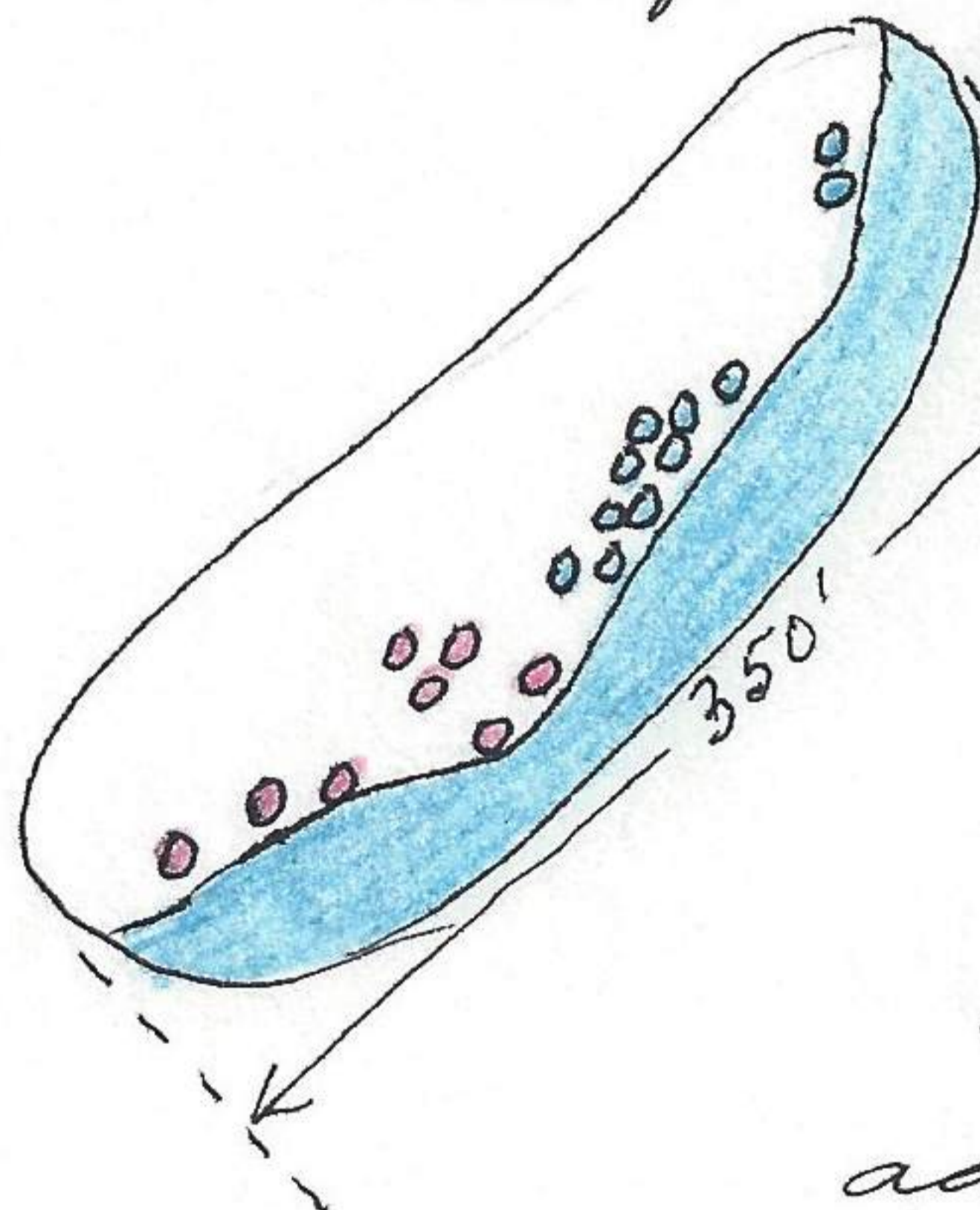
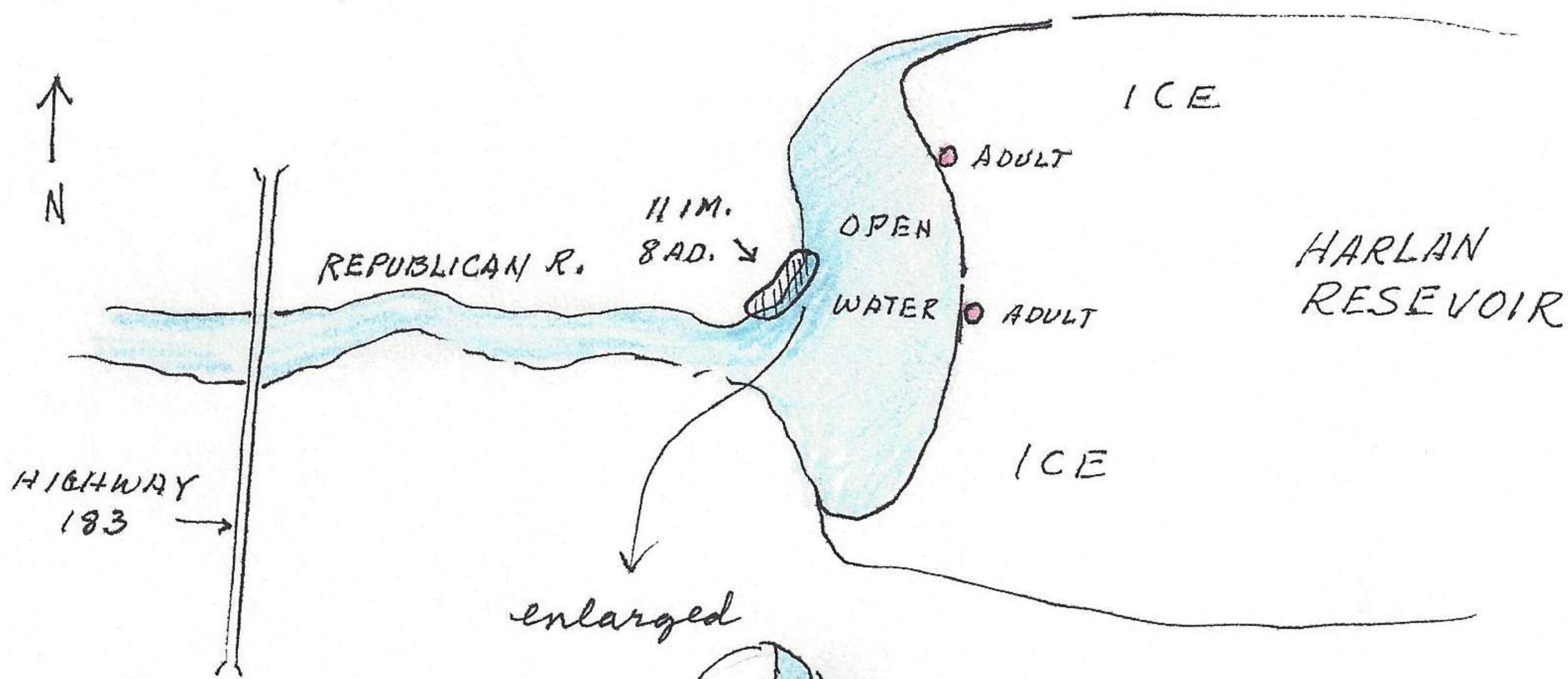


at 1:38 (400 high)  
 060.3 80 sandhill cranes flying east, 80 cranes disappeared over flood plane, 2 meadowlarks. The cranes circled as they moved east and called, 066.0 15 cranes, 083.2 Harlan Co. line, 092.7 redtail. An interesting problem would be to determine erosional effect of concentrated cattle trails on the surface of the ground, especially on edges of washes or banks of creeks etc. At 101.7 middle of bridge that crosses the Republican River. at 2:35 P.M.

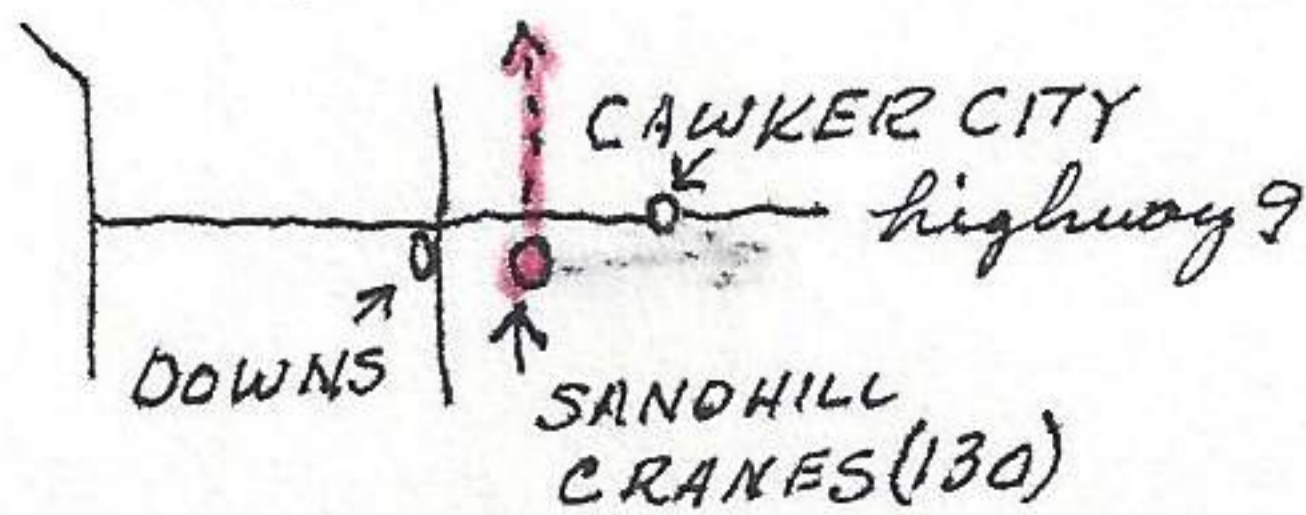


● = adult bald eagles  
 ● = immature bald eagles.

The immatures were definitely segregated from the adults, one group of 9 immatures in close formation. The adults were grouped but the spacing between each adult was considerably greater than the spacing of immature which was close order.

The two adults on the edge of the ice seemed to be feeding on their prey. In the same area were approximately 5000 ducks including pintails, mallards, gadwalls, common mergansers, teal, goldeneye and spoonbills.

Continued S on 183. Kansas state line at 107.6 at 2:50 P.M.  
 126.3 Phillipsburg, 40°F. 132.2 now E on 9. 136.1 2 redtails, 140.3 redtail on bush 3' off ground, wheat (winter) much greener than in n. nebraska. 148.5 redtail, 149.7 152.4 sparrow hawk, 153.9 redtail on haystack. 155.7 sparrow hawk. 161.2 sparrow hawk. 162.3 redtail on line of telephone wire. Snow drifts rare in this part of country. 171.5 sparrow hawk, 172.1 sparrow hawk, 172.7 junction 24, now E. (Recorder malfunctioned at this point), at 3 miles W Downs in Osborne Co., Kansas 130 sandhill cranes circled & called as they moved north, approx 4:30 P.M. Arrived Lawrence 9:00 P.M. at 01383.4. Total trip 1734.4 miles.



Estimated 18 redtails and 9 sparrow hawks between Downs and Manhattan on highway 24.