

Sept 14, 1968

Left 9:30 A.M. Sky clear, slight breeze. Air temp 70° water temp 70°. all temps in shade. ^{Complete census} 9:35 8 blue jays, 9:45 4 blue jays, 9:52 spotted sandpiper. 9:55 2 jays, 2 mourning doves. 10:00 sewer outlet from right and producing terrible contamination on S side river. This contamination in sight & odor continues down river for 1/2 or more miles. 10:15 2 killdeer, 2 spotted sandpipers, in mud flats. Continued down S side and just enough water for clearance. Many turtles & large fish in slow backwaters. 10:18

3 grackles, 2 chickadees, 1 flicker. 4 blue jays. 10:29 3 jays, redheaded woodpecker, 8 grackles. Birds occur in flocks with long intervals of no birds. Sewer contamination still terrible with contamination caught on branches in water. 10:30 g.h. owl. 10:38 high voltage power lines across river. 3 spotted sandpipers on log jam. 3 blue jays on one side river, 2 on N side. mourning dove. Beaver tracks in mud. 10:43 drainage from right. 2 spotted sandpipers. Flock 300 redwing blackbirds in cottonwood trees on right (250 redwings & 50 starling). Fox squirrel to within 3 feet of water. 10:55 Considerable bank erosion with several large trees in water. 5 spotted sandpipers on log jam at water level. 10:57 old bank swallow

nest not affected by recent flooding. Wind increasing. 11:12 track area and like old city dump. This is a type of contamination that should be stopped. First dead trees, no general garbage. Last flood did not remove large bails of paper. 11:23 Copysize Point. Considerable erosion along this area. On opposite side river, a ♀ prairie and a ♀ bluewing standing within 2 feet. They left together. A small sandpiper (western?) associated. Approx. 40 barn swallows feeding over water in this more open part of river. 11:26 Swallow holes intact but erosion on either side extensive. 5 monarchs so far. 5 more on sand bar N side. Top bar with blowing sand general but not over 5 inches high. One bar a beaded appearance. 4 great blue heron on N side opposite peracy channel (11:35). Wind approx 10-12 miles per hour. Log jam & beaver on N side Mouth Channel. A fifth of blue heron in tree just beyond. 11:45 opposite mouth Mud Creek. Water high enough to exclude sand bars in this area except large one on N side river. One bail of paper had started to move down peracy channel 11:46 now to E. 11:48 spotted sandpiper. 11:58 4 chickadees. Crows calling all along. 12:00 Continuing on right side of river because of wind. at this point 3 great blue heron (small) left tops Cottonwood trees. 2 wood ducks left bank 9 feet high. 1 spotted sandpiper. This area receives less disturbance from man because of its separation from