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notes on ^{small} birds that are associated in riparian vegetation on the sides of the river. Water is higher than usual because of control of Tuttle Creek. Ordinarily 70-80 per cent of river bottom is in sand but today I would estimate that only 30 per cent is sand. The normal low water all-way makes a more interesting river course because of the braided channel systems and great exposure of sands. The speed of travel is greater, however, with more water. I have wondered how this artificial fluctuation of lake and stream water influences native animal populations.

at a point approx. 1/2 mile down river from dam on South side of river noted an immature black-crowned night heron leave edge of water and fly to rocks of sand dredging area and after remaining here for about 1 minute walked into bush bordering the rocks. This bird looked like a yellow-crown but on the basis of departure dates would illuminate this bird from the Lawrence area for this time of year. Between here and the dam (south side) the several commercial companies are putting their liquid and material debris directly into the river. It would be interesting to test the water on the N side of river + the south side and determine amount of contamination. The Creamery puts its debris in water above the dam. I think that there should be an all inclusive law to ban placing liquid or material in a river course without it first going through a government controlled disposal system.

Continued down river. and 1 double crested cormorant

9:45 single pied-billed grebe and 1 great blue heron. Old piling of former bridge now exposed as a result of shifting mud & sand, also pipes exposed on east side for first time.

4 bluejays, almost continuous group of slate-colored juncos, some chickadees on bank. 9:52 7 Franklin gulls resting on sandbar. 10:15 8 great blue herons on logs in river on east side, they flew down river and all but 2 alighted on logs, the other two on sandbar. 1 red-tail flew out to inspect great blue herons as they flew down river. 1 kingfisher, 2 yellow-shafted flickers so far. at 10:20 just below area where great blues were resting noted a large