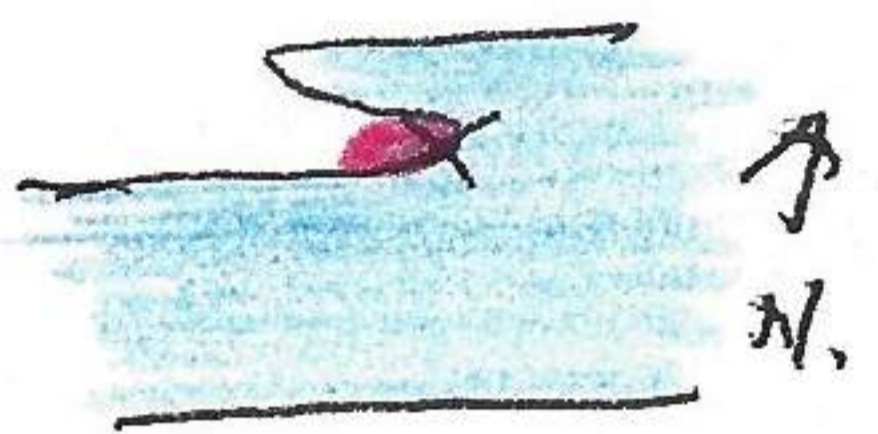


section of the cliffs. This area of nest was drier than other parts of the cliff, perhaps because of drying mechanism of holes in the cliff. Elsewhere there was more vegetation and green mosses on cliffs which could have been a factor in excluding bank swallows. 9:28 18 black-wing teal on end (downstream) end of sandbar left, circled twice and flew up river. 

Some beaver activity but not as general as in previous years. Grass on bank below trees is brown. 9:34 beginning of trash area on S side. The old closed bank trash area of Lawrence has now moved to this area and is just as extensive as before with garbage, cans etc. 9:40 end of trash or 6 minutes of canoeing at about 4-5 miles per hour. Meadowlark singing beyond bank. 1 ring-billed gull flying down river. A kingfisher left hole in bank at about center of bank swallow nesting area and flew down river for 200 feet, attempted a bank landing, then flew downstream 150' to make a second bank landing. The swallow nest are about 150 down stream (right) from end of trash deposits and consisted of approx. 110 nests. 30 additional holes just beyond colony downstream. Ring-billed gull flying up river. Since Lawrence hole noticed 2 dead eel, one 5 inches long. 9:45 eleven killdeer on sand bar to N and evenly spaced at about 80' apart. This sandbar is a point bar and is much more extensive than on previous years both as to width and length, in fact it crosses 3/4 of river channel from N side. 9:48 Copsiz Point. The more man attempts to protect sand banks, the more erosion occurs. At a point approx 1/10 mile from Copsiz Point (downriver) is a colony of bank swallow nest consisting of approx 410 nests. Another 150 continue a short distance downstream from the main colony. 9:55 18 horned larks flew N across river to sand bar. This area has always supported horned larks. 9:58 five killdeer to left. At a point about 100 feet upstream from first trees before Pirate Channel noted approx. 300 bank swallow nests. The point bar on corner (N side) curve is extensive and runs to within 200 feet of Mud Creek. Wind now