

and in shadow of riparian growth on south side of river water at first part of trip extending from bank to bank with minimum exposure of sand bars. At 9:20 noted a black-legged Kittiwake flying up river about 30 feet above the water and 80 feet from the canoe. As it passed the canoe it circled about me twice and then continued up stream for approx 50' where it circled again and made a rapid descent to near the surface as if to pick up some item of food but without success. It circled one more time at which time it extended its legs and shook them as if to illuminate water. It continued upstream. With binocular I was able

to determine that the bird was indeed a Kittiwake and the same species I had been accustomed to in the Arctic. The black of wing was to end of primaries uninvolved and sharply demarcated. The undersurface was white & the upper surface gray. The feet were black. Except for a dark grayish mark on back of neck, the head was light. It is this mark on head that may not conform to the adult plumage of the Kittiwake. In all other respects, even its flight, was Kittiwake in character. There ~~is~~ is always the chance that this bird could be a Franklin gull but I know of no plumage of the Franklin gull that would qualify for the plumage of this Kittiwake.

9:27 passing under high voltage electricity lines. Birds on shore include, junco, flicker, redbellied woodpecker, mourning dove, blackbirds (redwing & grackles), crow, <sup>blue jays</sup> robin, song sp. blackcapped chickadee, downy woodpecker, goldfinch, Carolina wren (singing). <sup>blue jays</sup> These birds are not included in complete census of larger birds.

The riparian growth has changed as follows (N side river): high Cottonwoods 60° green, 40° yellow with intergrades. Some are bright yellow but the general appearance is green. Some are without leaves. The willows as base and adjacent river are a greenish yellow but mainly green. Their color is more uniform than Cottonwoods. 9:32 major drainage from right. The last of fog has just disappeared. It remains longest in shaded part of river on south side and conforms essentially to shade on water. Air temp. at this time is 50.8°F.

9:42 at first bank swallow colony on S side. all hole intact but cliffs now perpendicular from erosion of slope below. 10:00 Great blue heron track measured 198 mm total length (including claws). Kildeer tracks average 30 mm. muskrat (rear) 35 mm. Capsize Point 10:05. Up to this point have assisted canoe by paddling. From this point