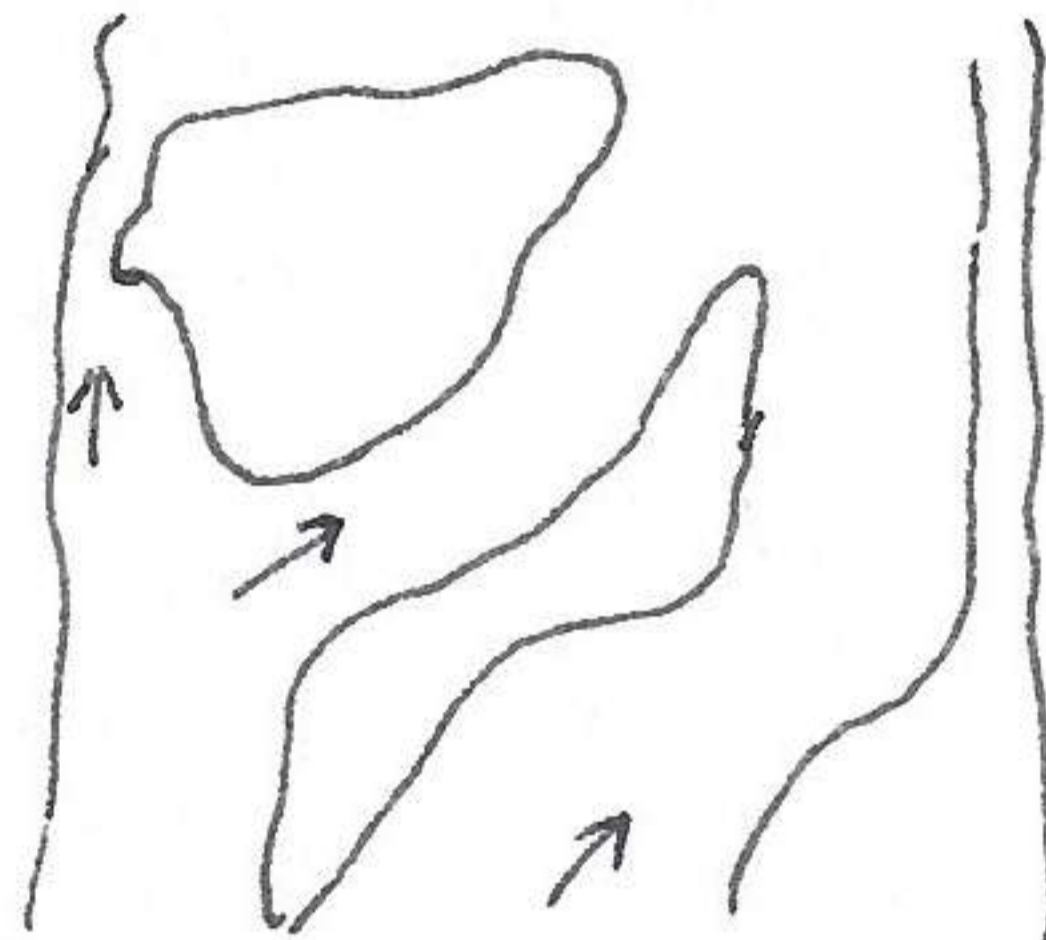


The entire bank is lined with bank trails (slides), cut trees, excavated holes in bank. 2 mallards left river and flew down stream. Another group of birds singing from sides of river. These groups are localized with intervening areas without birds. The dominant birds (calls) are meadow-larks, flickers, chickadees, ^{and} red-bellied woodpeckers. The flicker calls are more numerous than at other times of the year. Red-bellied woodpeckers are generally distributed. Juncos along banks and an occasional song sparrow. 1 butterfly (about 1 1/2 inches in wingspread) 11:35 now on south side river. good beaver house.

Activity all along bank but not as

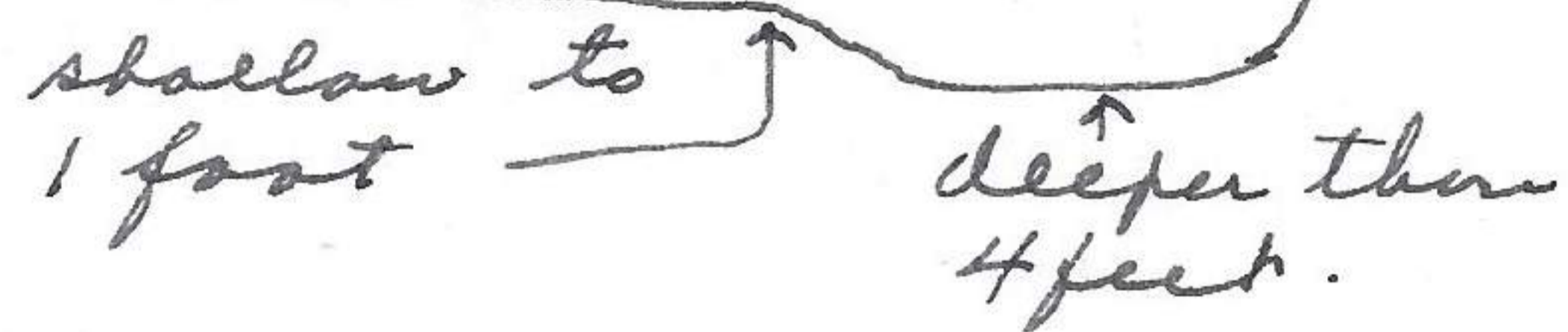


extensive as on N side of river. While crossing one moves from the south side of the river to the N side of the river according to the way the channel is formed and as a result the beaver houses and activity are only recorded from the side of the river we happen to be cruising. The river channel is somewhat braided and there will be several channels but ordinarily there is one main channel that



is deep enough for passage of canoe. 11:38 two juncos feeding on beaver house. 11:48 2 redtails circling + calling. 12:01 Kingfisher. Birds are localized in distribution. 2 Titmice calling, song sparrow giving warning call. 12:05 at arch bridge (Railway), banks of S side of river covered with Equisetum (horse-tail for 200ft or so. 12:08 good beaver house on bank, 2 Killdeer called. Few ice shoves on bank in protected places. 12:26 river narrows ← 40' → ← 30' →

to 70 feet. A net could be placed on river at this point a entire movement of fish could be analyzed.



12:30 muskrat swimming across river from N to S. It swam to one which was on S side of river on bank. Horned larks on sand bars to N. 12:40 8 crows, one drinking at river. Flicker drumming and sound echoing down river! 12:53 11 mallards. 12:58 3 Killdeer, 12:59 30 mallards flying 500ft high to west. They continued w along river course. I have noted no frogs on river so far but cannot understand why they are not on the banks on the sunny side of river. Protected banks still seal.