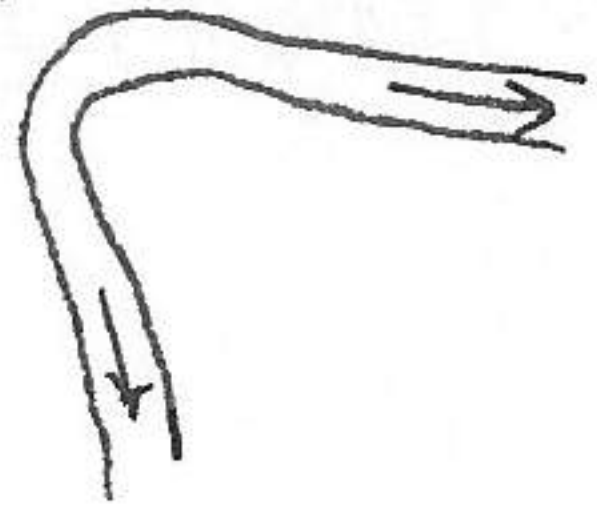


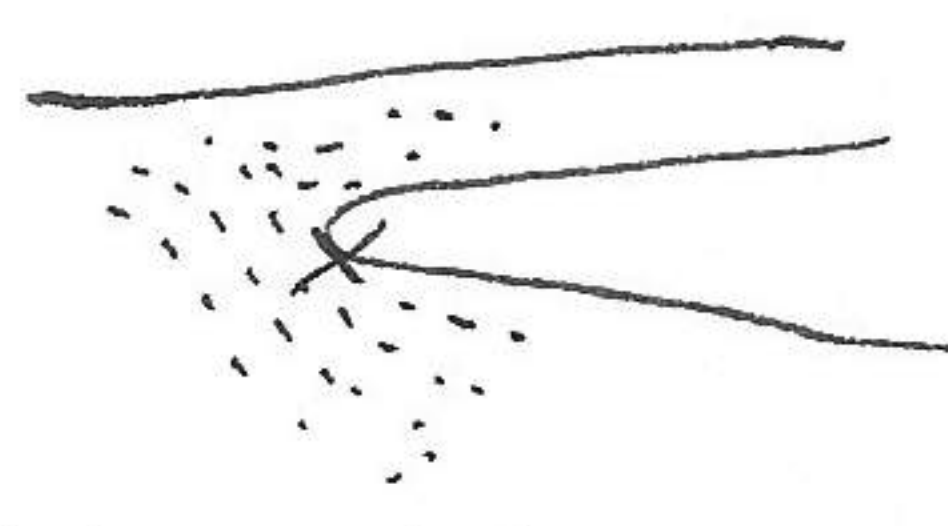
Wind from NW and from mud Creek up river, 680410-19
parallel to channel. To east of mud creek the wind was blowing
parallel to channel showing how the river course dictates the
direction of the wind. 11:25 New beaver cutting



including 5 trees 5" in diameter. A fox squirrel
worked along bank until it encountered a tree felled
by beaver, at which time the squirrel ascended the trunk to the
first beaver cut. The squirrel registered the odor of this cut and then
continued up the bank ... The usual composition of

birds in riparian community but not as common as area east
of Lawrence. Crow flew over river. 11:31 noted a fox squirrel 2 feet
from edge of water, smelling dam mud. 11:35 beaver house on bank.

11:36 end island (growth part). The 3 pairs of mallards were rest-
ing on sand bar. 11:42 recent beaver sign of 7 trees (3"-4" dia)
felled. 11:50 stopped on sandbar on N side. 13 western
sandpipers fed in ripples



moving. In this area collected a series
of shells. Leptodea fragilis 680410-1 to 680410-20; Leptodea
laevissima 680410-21 to 30 and Lasmigana complanata 680410-31.

These shells constituted the entire population of this sandy-gravel bar
of 50' x 150'. Resumed trip 12:35. 12:54 beaver house on
bank. 12:57 2 mourning doves in willows at edge of river.

1:04 middle major bend Turkey vulture. Ciconiids unusually numerous on
sands and in groups of 5-10. Many minnows in shallow water at
edge of river. Bull frog tadpoles in water. No frog on bank.

1:30 2 ♂ baldpates, 1 ♀ baldpate, ♂ ♀ bluewing in one group on edge
of sandbar. Air 74°F, water 62°F. 1:38 approx. 50 logs
tied together and aligned on approx 1/10 mile of bank. N side.

It is my belief that this type of barrier contributed to accentuated
erosion rather than prevents erosion. Riparian birds considerably
fewer than this A.M. and may be a factor of time of day. Day
now quiet & practically windless. Arrived Eudora bridge
2:10 P.M. Daughter Annette arrived 3:00 and we continued
concerning to mouth of Wakarusa.

At Eudora bridge (300' upstream)
Collected group of minnows (sand shiner) NOTROPIS STRAMINEUS 680410-32 from
shallow water at edge of river. Capture by damming off entrance
to shallow water then forcing minnows into
channel leading to entrance and then damming
upper end of channel. In this short segment
of 3 feet of channel scoured out the water onto the

