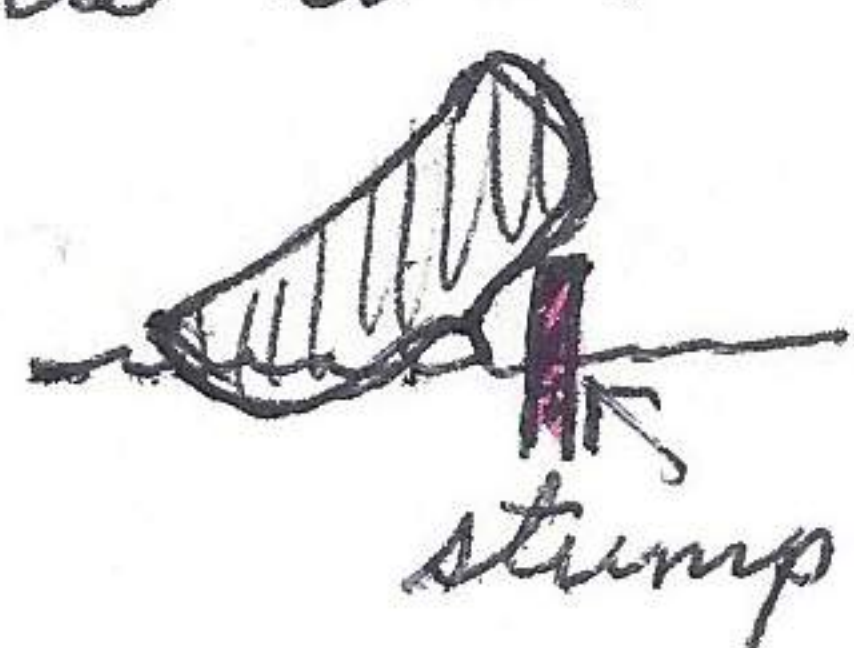
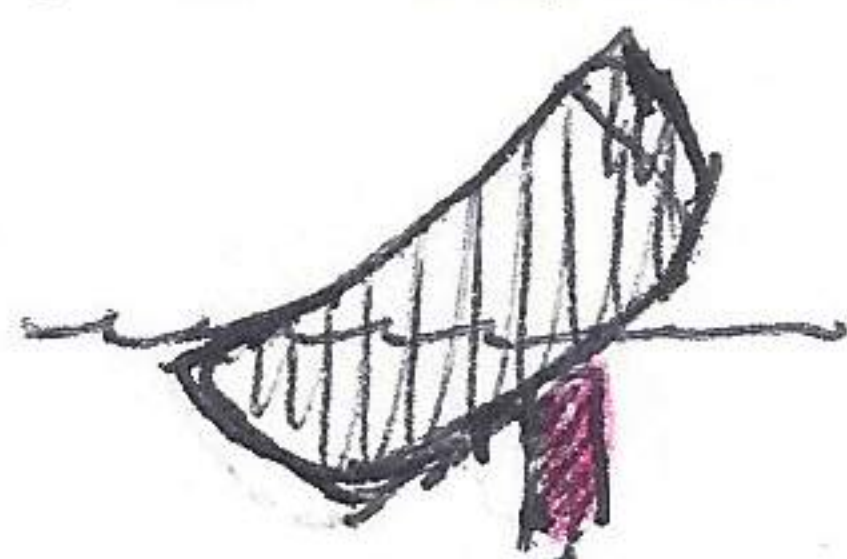


soil slide. The vegetation on lower slopes is generally small and of the willow type. Some areas however, have small tree growth almost to water level but such areas are uncommon. Some slopes with grass to water level, ^{completely} some ^{bare}. Most rapids at this level of water, can be run with canoe.

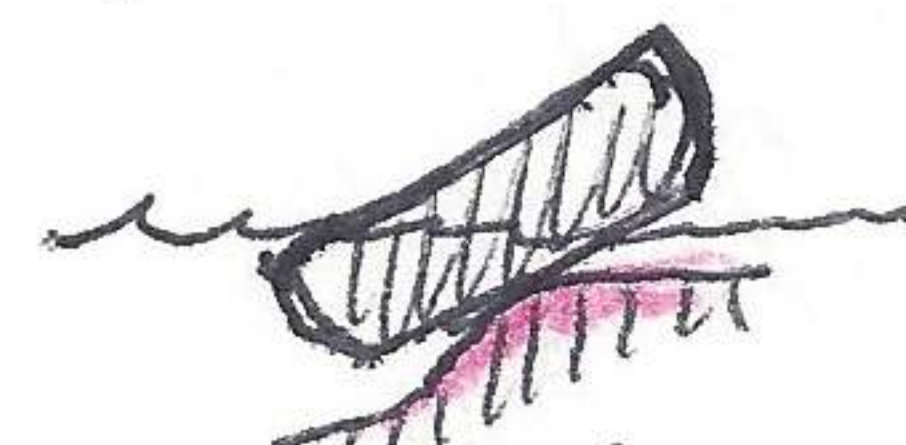
About 15 rapids required lowering of canoe with rope; otherwise canoe would be hung-up by either rocks or soil. The worst danger is hitting submerged top of stump which in certain areas are numerous. One such stump stopped us and held canoe in spite of several 360° rotations of the canoe. The greatest danger is that at higher speeds, the canoe can be tipped over on its side. When released the tendency is to overshift the center of gravity. Some hazardous positions.



stump



stump submerged or rock



edge of clay bank



forced into bank on curve (no control to get canoe away from bank)



currents catch back of canoe with front end in slow water sending canoe out of control



running canoe onto slope without center support.

noted about 8 large blocks of ice 8 feet long or so on upper slope of channel which were deposited there during period of high water and first ice breakup. These masses of ice lined the creek early in season. Ice lined the edge of creek in protected places (about 1 foot wide) and was either at exactly at the water level or slightly above to as much as 4 or 5 inches. Some ice still remained from water falls on side of banks. Water clear to about 2 1/2 feet. Side creeks clear. Some pools of quiet water supported ^{isolated patches of} foam. Upper reaches of creek free of debris, lower reaches with a few limbs floating in water.

At the Haskell Bottoms on Louisiana Street noted 6 male redwing blackbirds on territories. no females in area.

On March 10 the ice on Pottus Lake on the Univ. of Kansas Campus was melting around edges and in parts of center. On our return March 11, evening, the ice was completely melted. This is the second time this winter that ice has left lake.