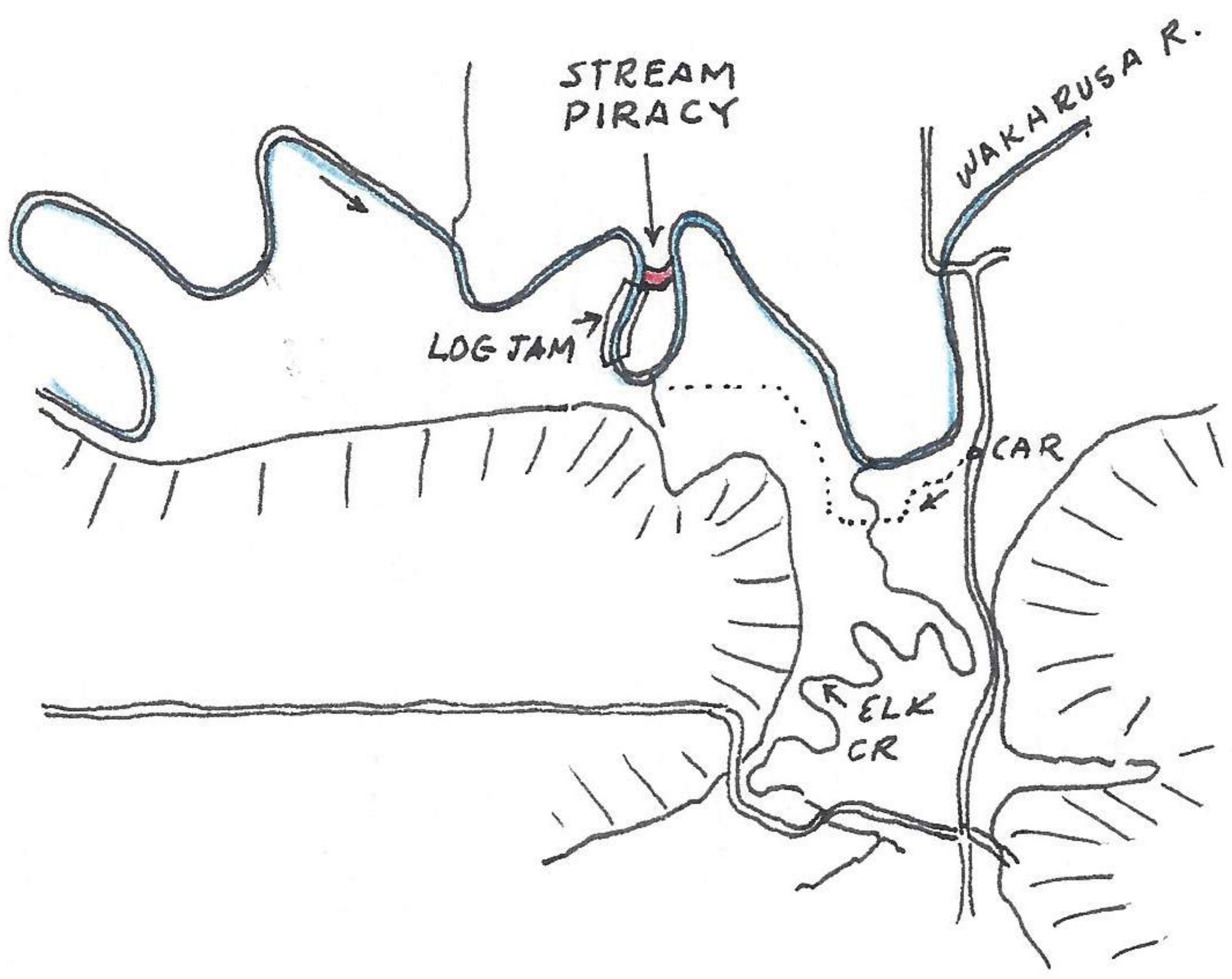
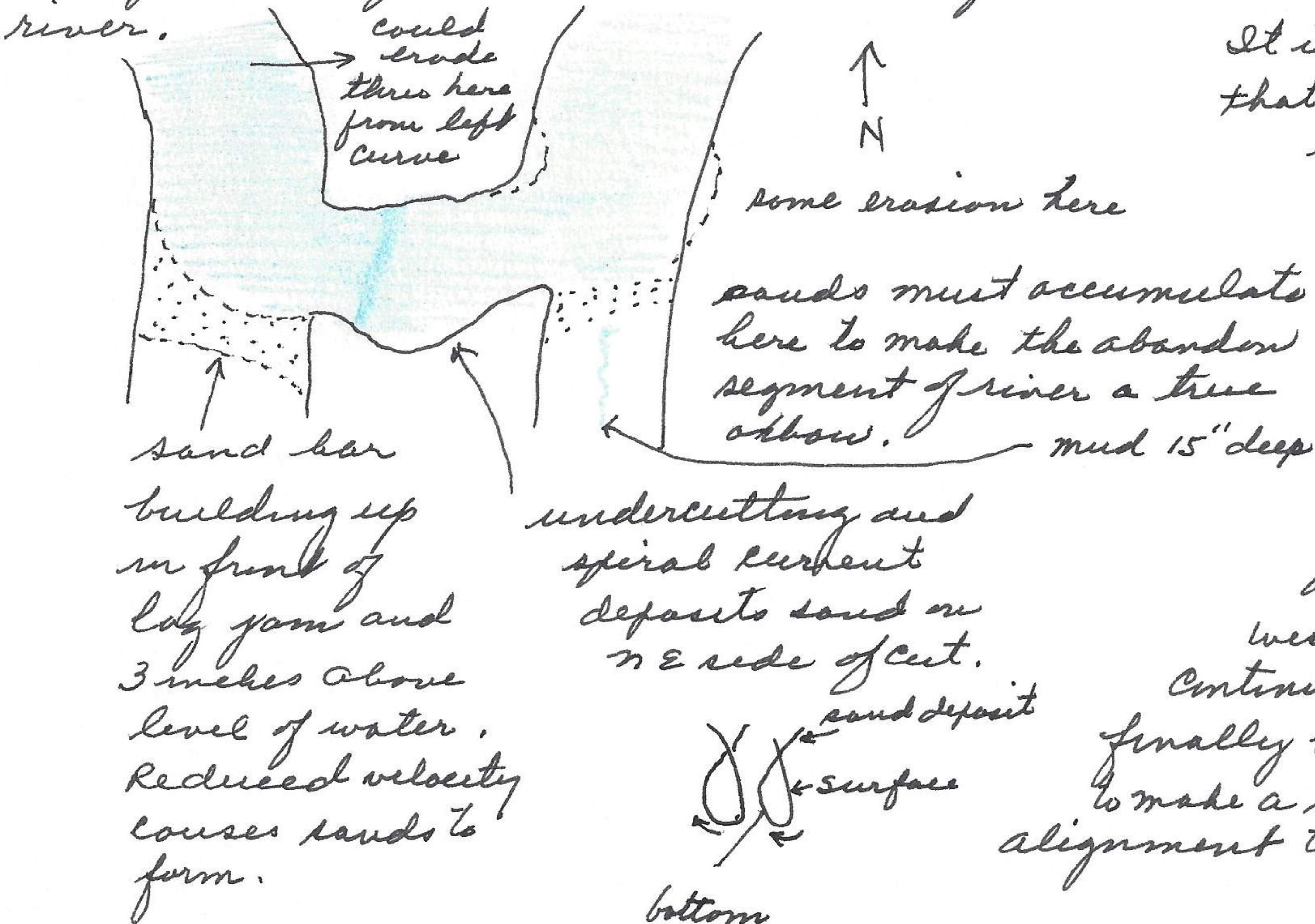
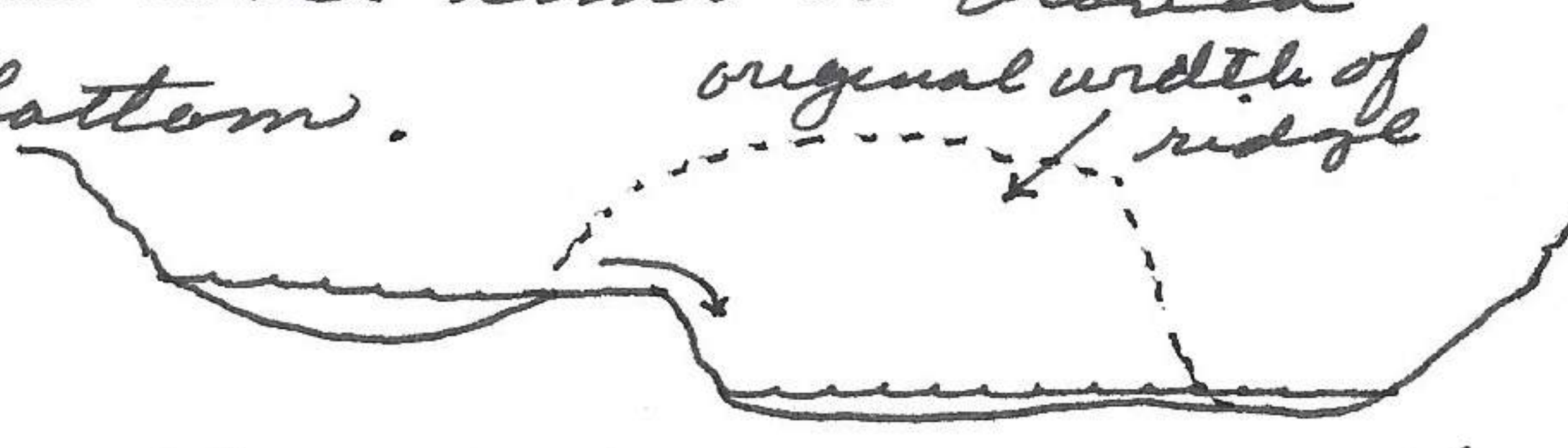


phoebe at bridge, also cardinal. 49.5 stopped on road nearest mouth of Elk Creek. at 2:15^{PM} started for the log jam a stream piracy up Wakarusa river approx. 4/10 mi from mouth of Elk Creek. titmouse and cardinal near road. 2:16 bluebird. 2:20 log jam in Elk Creek. most trees had been cut by man and dumped into creek. Red-bellied woodpecker, cardinal. 2:25 cardinal at second drainage, 8 goldfinch. 2:28 Wakarusa River. 2:30 ^{crossing field to new} end of ^{new} oxbow, 2 titmice. 2:36 S end oxbow. 2:40 site of stream piracy. 3 titmice.

A turkey vulture flew up and down the log jam and was definitely concerned with the area. The width of the ridge separating the two streams is approx. 100' and the new channel has excavated down to a mud-clay formation and the lip had eroded back some 4/5 of the distance across the



ridge. with further erosion the west limb or branch of the stream will grade to stream bottom. In time the river will grade to level of east segment and should change the aquatic environment of the west segment of the river.



It is speculated that the erosion will continue to S and eventually reform a hair-pin loop in river, or erosion on outside of upper west curve could continue to erode and finally break through to make a straight-line alignment to river course

