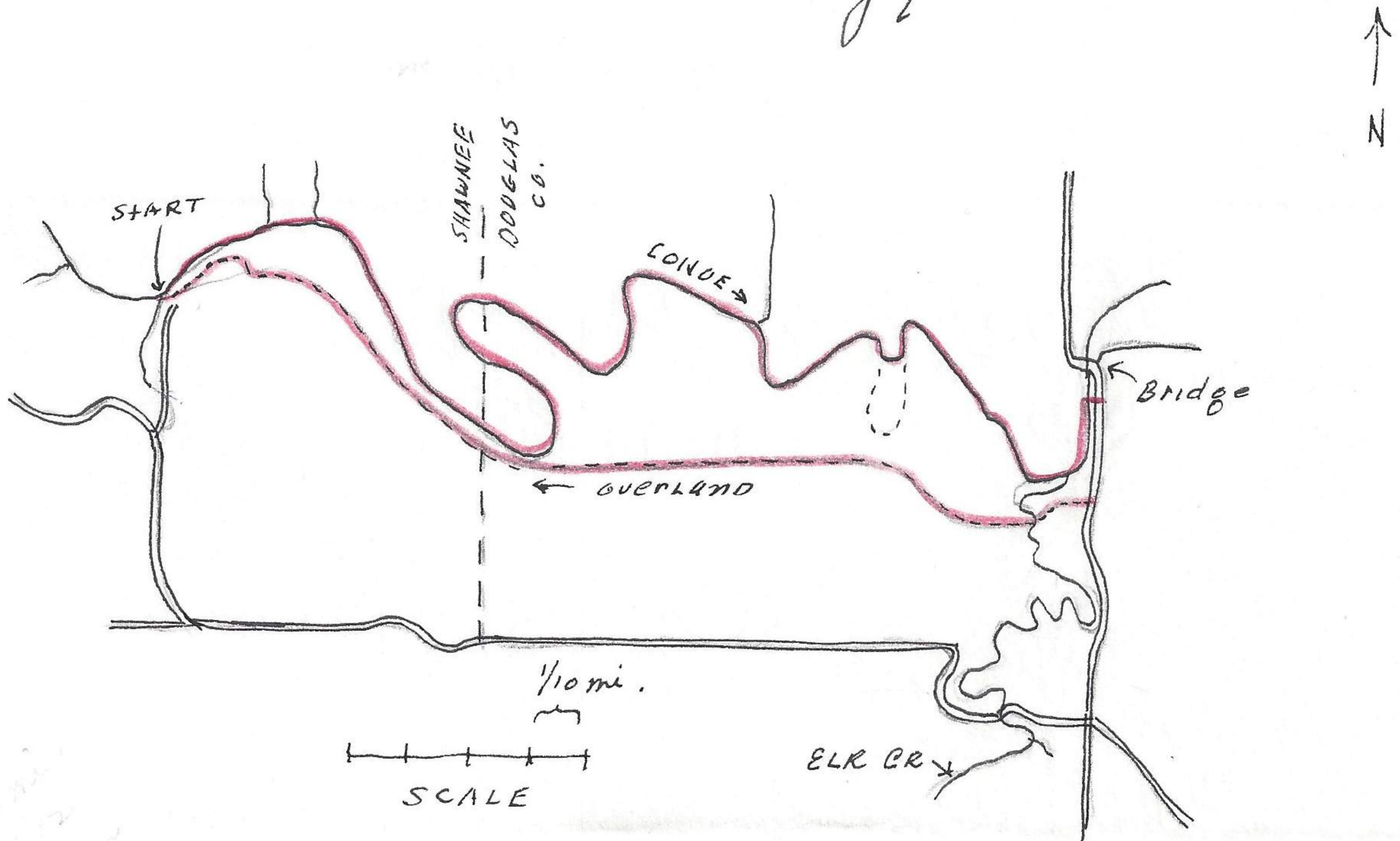


45.3 7 bluebirds, 1 Starling. 45.7 Coon Creek. 46.0 meadowlarks.
 m. dove. 46.6 m dove 46.7 Scout Camp. 47.3 Doves
 47.3 now to S. 47.7 2 sp hawks, 48.1 2 crows, 1 m dove
 Rollinsville Point. 48.7 now to E. 50.0
 N end dam. 50.7 Y m road. Strike. 51.8 Sigel School
 redtail end census 6:45. Sky still clear



In the 2 $\frac{8}{10}$ mi. of Wakarusa River from point marked start to the bridge, so marked, there were 15 log jams. These jams completely obstructed passage by canoe except by portage over the log jam. Some barriers were as high as 9-10 feet and as long as 100' of river bed. These barriers generally extended up slope to the upper erosional level and portage was actually easier to pull canoe over main barrier rather than portage to upper erosional level and then around to other side. These log jams seemed solid and were easy to traverse. This river had many log jams this spring, more than usual for this section of the river but the log jam of this month (later part of Sept) had increased many fold. (See account of April 20), over the spring period. Many trees (large elm, maple, sycamore) were dislodged at all levels of the slope and many were down across river but did not constitute a barrier of logs. ~~but only single trees, many were~~ ^{were} ~~not~~ ^{at an} angle and ~~not~~ ^{not} ~~constituting~~ a barrier but not yet prone or on water level. Other accumulations of logs were on slope of banks but not obstructing water way. These ranged from high erosional level to near water level. The large log jam in oxbow remains about the same, as did the open channel below the log jam.