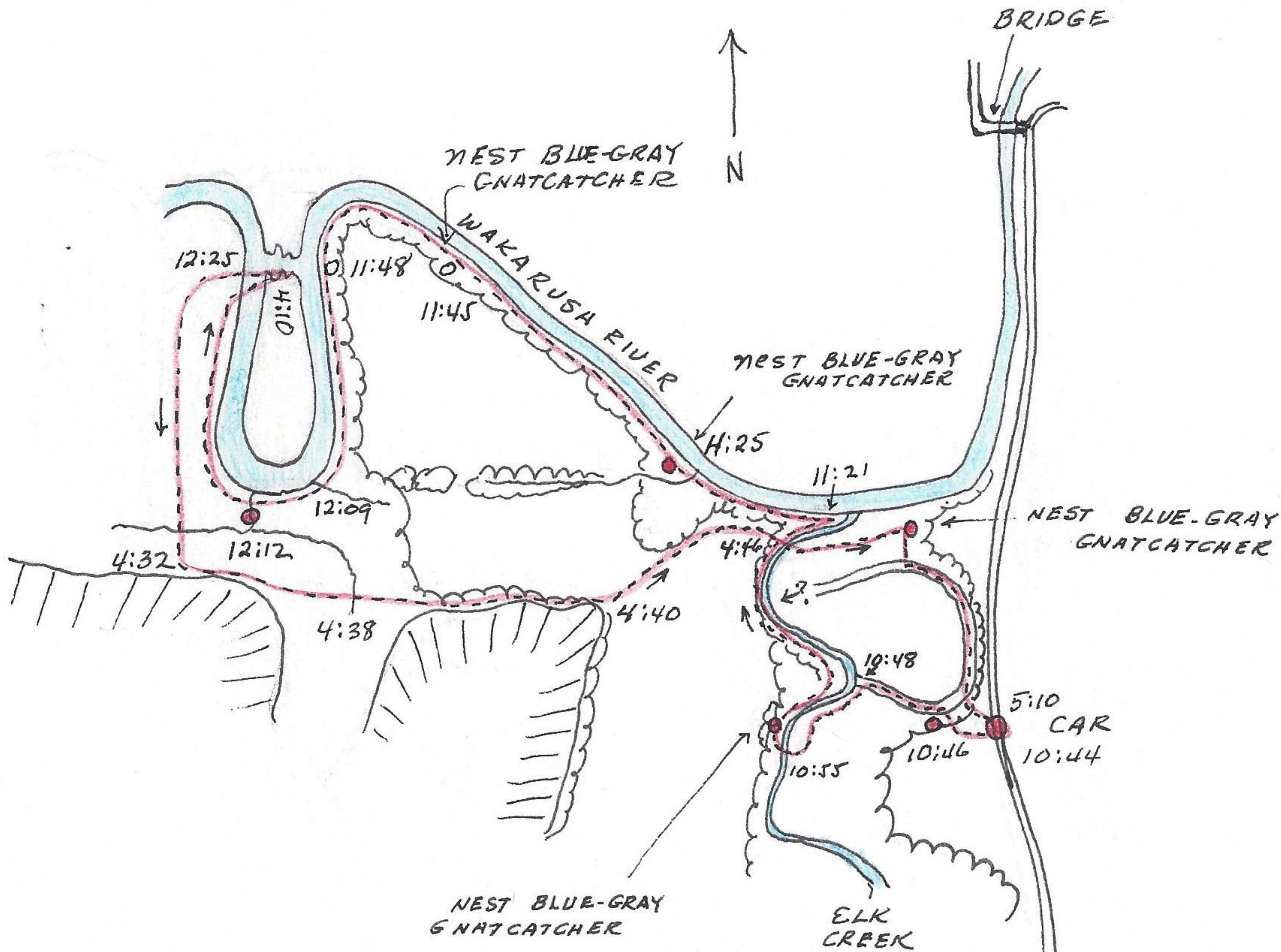


20' high (nest) and about 1/2 way to top of 40' high tree. 680428-34
 redtail, warbler sp.?. 10:55 Elk Creek crossing at log jam. at



crossing noted a song sparrow showing territorial behavior with head feathers erect and concerned with my presence. Singing and nesting behaviour is apparently accomplish on winter grounds. mud nearly to top of upper erosion level. Erosion tracks common and at all levels. Lower mud level knee deep. 10:58 2 cardinals ♂ + ♀ and 6 blue jays passing to N. 3 ♂♂ and 1 ♀ lowbird in courtship. 11:01 Blue-gray gnatcatcher and nest. Birds disclose nest by their actions, calling continuously and visiting nest. Both birds at nest (30' diameter). One had 2 inch down feather of an owl (g. horned?) and lost control but regained before it floated to ground. nest walls 100% complete and being lined with down. Outside of nest covered with a grayish lichen. nest 20' high on outer edge of tree on west side. Both birds left nesting area at one time and flew E ago across Elk Creek (150') away and did not call there. Left nesting area 11:12. 11:13 Titmouse, cardinal. 11:15 Chickadee at nesting hole. 11:17 at edge of forest noted a lark sparrow, redbellied woodpecker, pewee and titmouse. 11:21 mouth Elk Creek. 11:25 mouth drainage, nest of blue-gray gnatcatcher, elm. 30' high, in 40' tree. 4 blue jays, titmouse, Eng sparrow singing and nesting in trees along Wakarusa some distance from habitation. The mud at mouth of this drainage is knee deep with semi-solid creek bottom.

It is almost impossible to extricate boots from this mud when firmly secured.

