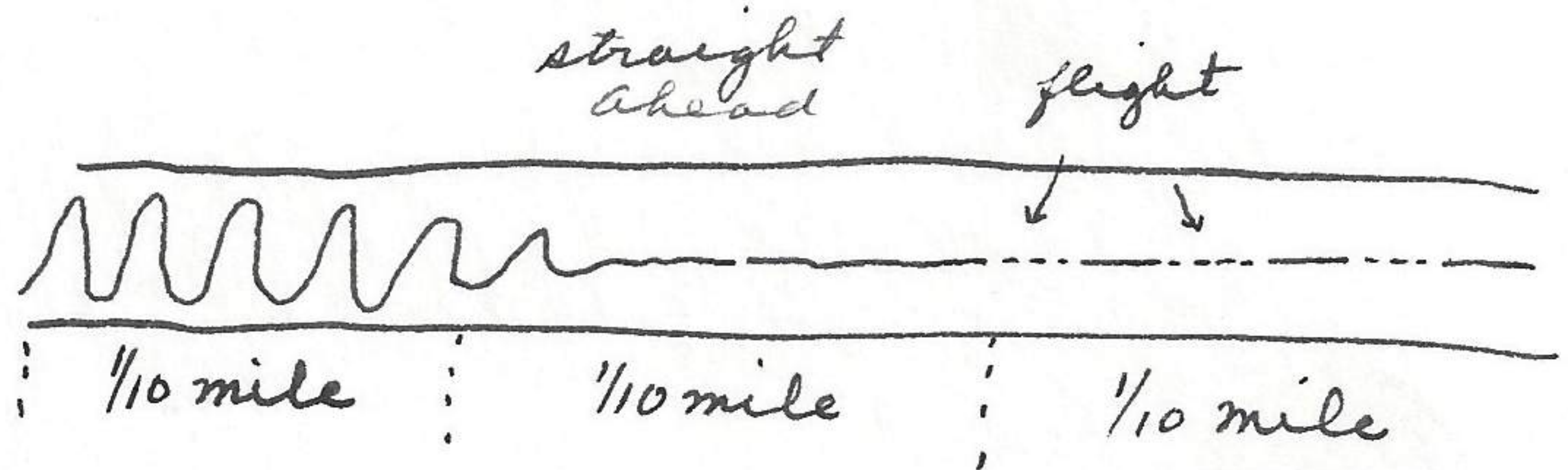


eastern kingbird, meadowlark, 2 red-wing blackbirds; 12.0 bridge over Wakarusa River N of Richland. Left Richland bridge

at 10:41 A.M. by canoe and will keep complete record by time and position on river. Water about 3 feet higher than normal summer level but has been near flood in previous days. At bridge noted Baltimore oriole ♂, cardinal, pewee, red-bellied woodpecker, goldfinch, 10:44 A.M. Cardinal, titmouse calling; field sparrow, considerable slipping of bank, bringing in to channel new, live trees, 10:47 Cardinal, field sparrow, 10:47 end of abrupt turn to S and now going north; 10:48 ♀ woodduck and 4 young about 4 inches total length. The young moved straight ahead on surface of water for approx 100 feet and then disappeared among branches <sup>and leaves</sup> of a live tree that had fallen into the water. The female in the meantime fluttered on surface of water with wings making an audible noise at each flap of the wing. The delay movement was back and forth across river at about



150 feet ahead of us. This action was maintained for about 1/10 a mile and then the action changed to one of straight forward flight on water, keeping about 150 feet ahead of us. Finally she alternated swimming, beating of wings on water and flight directly above water. She called occasionally especially when blowing water in flight. Titmouse calling, goldfinch, chickadees, cardinal, warbling vireo; 10:52 N end loop and major drainage from N, now going east, considerable slipping of banks, displacing large live trees into channel, either upright or over on side in water, some blocking entire channel, cardinal calling; 10:55 woodduck still in front of us at about 90 feet and preceding us down river ♀ horn owl, 10:57 drainage from left and now turning to S, rapids negotiable without danger of striking rocks, Baltimore oriole, pewee, chickadee (black capped), house wren, 11:00 drainage from left, Baltimore oriole, field sparrow, crested flycatcher, pewee, chickadees, titmouse. 11:04 indigo bunting, Gulllocks oriole, 11:04 Chickadees, red-bellied woodpecker, 11:08 rapids and easily negotiable without striking rocks, drainage from W immediately below rapids, 11:08 am impressed with extent of slippage and live trees displaced at edge of river channel, drainage ditch to right just before contact-