

from saturated soils or heavy overhead burden. The slippage does not compare in extent with that of the Wakarusa River. 10:30 N bend and drainage from right. water 1 gal. per sec. noted several whirl effect (4 ft diameter) in clays at base of cliffs. 2 tree sparrows. 10:31 4 tree sparrows and singing. 1 long lone ♂ red-wing flying NE. 10:35 drainage right. 1 gal in 5 sec. 10:36 12 pintails flying N. The water marks on slope of bank indicated a gradual receding of water from last flood level of this season (last week) 10:44 bend and rapids. stretch above with beaver trails on bank overlying 1 few 20 feet. 10:46 Great horned owl flew from river channel. Rapids below extend to next bend. Killdeer heard to S. marsh hawk hunting edge river bank. 10:58 hillside contact. bluejay. drainage to left and water fast along entire contact with hillside. 11:24 beaver left root system at edge of bank. Most of the beaver houses are of accumulation of debris or carved in root systems of dislodge trees. As the water has recently receded there are as yet no bank nest of sticks or holes in soils. Most of the nests are shallow and just being formed or temporary. Approx 500 geese flew N about 400' high (70% blues & 30% snows) blue jay. 11:32 good beaver activity. 11:35 <sup>old</sup> bridge <sup>site</sup> ~~over~~ at river. 11:45 drainage left. 11:50 bend, now to SE. marsh hawk. 12:00 drainage left. 1 gal. per 5 sec. 12:04 bend. 12:14 muskrat on limb 2 feet above water. It dropped directly into water 12:10 bend, now W. The highwater mark of last flood is higher than upstream. 12:23 last bend before straight to hills. Sky of clouds breaking and occasionally a few seconds of sun. Good development of alluvial fans at water edge. 12:30 marsh hawk. Beaver on bank 2 feet away. 12:32 hillside contact, large boulder talus to edge of water. 2 marsh hawks. Profile of bank on east side at low angle. Receding water has left record on boulders with receding intervals of 1/2 to 1". 12:35 stopped to check valley from top of hills to W. On valley level above bank noted several sets of coyote tracks. Raccoon tracks more common than along edge of river. Few deer tracks. at pond at 12:50. Ice except near outlet. Moss on N exposure. On S side of pond at head is a sidehill slippage. 2 crows to S. 4 bluebirds on ridge. From ridge above pond inspected valley but did not see coyotes or marsh hawks. In an