

from shallow concavity among roots 3:06 bend.
 250 blue + 250 snow passed overhead, 3:16 entire
 bank slid into river.

An area of bank
 between two concavities
 formed by eddies slide or was displaced
 by approx 10 feet, the lower part entering
 the water. The face created was slightly convex. It
 measured 10' x 20 feet x 3 feet. There was a definite
 noise for approx 3 seconds, ending as abruptly as it started.
 The movement is not as rapid as one would expect. The
 wake was not damaging to the cones although I was only
 8 feet out from bank when it occurred. This slippage is
 a high angle displacement of dry soils and is not the low
 angle displacement of saturated soils. 3:18 drainage
 from right. 5 gals per second. white sand limestone rocks
 forming gravel or rock bar instead of the usual yellowish
 colored limestone 3:19 bridge (removed). 3:23 French
 Creek. 10 gal per sec. and water level of river continuing
 up creek as far as I could see. a ♂ + ♀ mallard left
 river at this point. 5 crows ^{over} ~~over~~ field to E. wind in
 back up to bridge, beyond in face. 3:29 muskrat swimming
 down river and followed for 300ft. 3:30 Contact with
 high cliff. 3:38 top of harpin curve. convex side
 of bank a beautiful symmetry and rounded. 3:45 ♂ +
 ♀ mallard and probably same pair of birds observed earlier.
 3:48 beaver at level of last flood in debris pile. 3:50
 4 cardinals, 18 tree sparrows, 5 chickadees, downy woodpecker.
 3:51 8 meadowlarks in pairs + one pair chasing each other,
 all singing. 3:57 bend and now to S. Curve profile
 unusual. Reddish soil toward hell to W. 4:00 drainage
 to right. 8 gals per sec. 4:10 sharp bend. Large + small
 beaver left root system of dislodged tree. 4:25 beginning straight
 run to bridge. mourning dove, 30 starling. 4:35 new
 bridge. 4:42 old bridge (removed). 50 mallards + 50 pintails
 in pond directly E. Ducks prefer ponds with vegetation and
 are ignoring barrow pits and other recently developed
 ponds + lakes. will compare the several sections of the
 Delaware River, dividing it into Ozawie to down, Valley Falls to
 beginning of deforested area and from beginning of deforested area
 to Ozawie. next week will compare Arrington to Valley Falls.

