

12:48 over rapids by 12:53, drainage in this case 100 feet below  
 rapids instead of above, meaning that drainage has shifted;  
 red-headed woodpecker, 8 crows chasing owl at bend to S, 15  
 more crows come to area from N, 2 jays also concerned.  
 12:56 now at bend and trending SE, a redtail dove at horned  
 owl and while I did not see it contact it knocked the owl  
 across the river where it alighted on the base of roots of a  
 large tree, the red-tailed continued N, while on the ground  
 the crows did not harass the owl which flew again across  
 river and remained in same area, this in contrast to  
 the winter flights of down stream; 1:00 5 chickadees,  
 song sparrow singing; 1:01 major drainage from right  
 now trending to N, flock of snow & blue geese passing to  
 N, cardinal singing, rapids navigable, 2 wooducks ♂ & ♀  
 below rapids, they left down stream, ♂ conspicuous but ♀  
 left first and called; fresh beaver tracks for first time;  
 few raccoon tracks in mud; 1:05 2 titmice calling, 3 chickadees,  
 redbellied woodpecker calling; hum of bees at new exposed  
 buds of elm trees above, is constantly along river, there is very  
 little evidence of these buds scaled of floral elements being  
 shed on ground or water, they have new color of reddish hue, some  
 more advanced than others; paper nest wasp nests about 1 per  
 50 feet all along river in trees overhanging water; 1:08  
 chickadee; 1:10 minor drainage from N, 3 chickadees; 2  
 wooducks (some as flushed before) left river and flew  
 down river, the ♂ making itself conspicuous but the ♀  
 flying first; 2 red-bellied woodpeckers; 2 downy woodpeckers  
 fighting with a slate colored junco with tail upright watch-  
 ing at 5 feet; 1:13 major drainage from left, rapids below;  
 4 juncos, 2 chickadee, 1 red-bellied woodpecker; rapids not  
 quite negotiable; 1:16 song sparrow singing; 4 chickadees;  
 1:18 2 chickadees, 4 juncos; red-bellied woodpecker calling;  
 not many tracks in mud and when there are raccoon; 1:20  
 2 red-bellied woodpeckers calling, 8 small frogs noted since  
 first of trip; 1:22 the two wooducks got up again from  
 behind a log in water, as in previous cases ♂ made itself  
 conspicuous & ♀ flew first; 1:24 9th small frog; 1:25 downy  
 woodpecker; 1:26 red tail circling directly to S; 1:27 bend,  
 rapids and great blue heron colony. The nesting tree, as far  
 as I can determine on the Shawnee, Douglas Co. line. Pulled  
 canoe on gravel bar on opposite side of large drainage on S side