



old pump, cardinal here, song sparrow, 2 juncos, 4:07  
 2 chickadees, 4 cardinals, 2 red-headed woodpeckers,  
 fox sparrow, red-headed woodpecker, white breasted  
 nuthatch. 4:08 cardinal singing, red-headed woodpecker,  
 4:08 red-headed woodpecker, 6 goldfinches, 4:10 2  
 red-headed woodpeckers, 2 cardinals, song sparrow,  
 red-headed woodpecker, red-bellied woodpecker; 4:12  
 3 crows; 4:14 2 red-headed woodpeckers; 5 Harris  
 sparrows, cardinal, 4:15 red-headed woodpecker, 2  
 mourning doves, yellow shafted flicker, 2 eastern  
 blue jays, Harris sparrow singing, deer tracks along  
 edge of field, song sparrow singing; 4:16 downy wood-  
 pecker, 4 juncos; 4:17 5 Harris sparrows, 6 juncos,  
 2 chickadees, 1 downy woodpecker, 1 hairy woodpecker;  
 4:17 2 yellow shafted flickers in <sup>open</sup> field; 4:18 6 Virginia  
 deer in wooded river drainage bordering open field,  
 one doe remained motionless while others left, one  
 started into open field then ran back into wooded area,  
 2 red-bellied woodpeckers reacting to deer, <sup>4:20</sup> yellow shafted  
 flicker flew in from open field, 2 juncos, 3 Harris  
 sparrows, winter wren; 6 juncos, 2 red-bellied wood-  
 peckers. 4:20 <sup>2</sup> bottom of open field and crossing <sup>lateral</sup> ~~main~~  
<sup>from W.</sup> drainage; 2 blue jays, crows calling; 4:23 main erosion  
 channel, drainage damp, muddy but no standing water;  
 4:25 Rock Creek, water clear but algae giving greenish color;  
 beautiful section of river, 3 blue jays calling, 2 juncos,  
 red-bellied woodpecker; 4:30 drainage from S and a  
 wounded red-tail hawk which was capable of walking  
 but could not fly. when inspected remained on  
 back and head gradually lowered and bill chattered  
 slowly (tail white with black and reddish mottling  
 on end of tail  like a Kreider Red-tail; trail  
 meets river here, <sup>4:35</sup> as a crossing for horses from Colmans  
 place, the trail trends W from crossing but deer have  
 developed a trail to E. up steep bank, continuing E;  
<sup>7</sup> 4:37 on main trail thru timber, fox squirrel crossed  
 trail; 4:39 great horned owl and short cut trail to chimney;  
 4:40 crossing major drainage, creek deep & meandering here,  
 2 red-headed woodpeckers. Lateral  
 drainage within 2 feet of breaking  
 thru, a good case of inefficient piracy.   
 water in ponds & trickle between ponds in creek.