

in diameter (on E side of river channel); 4:44 black-capped
 chickadee; 4:45 road crosses drainage channel and
 8 inches above water. Water continues but we returned down
 channel to lake. These water channels are an interesting
 addition to lake; *Lemna peruviana* uncommon but ^{large} ~~bars~~
 about ever 50' in channel; 4:47 cardinal; 4:49 dickcissel;
 indigo bunting; 4:50 cowbird; 4:52 phoebe; 4:53 mouth of
 second arm; ^(part of first arm) 3 ♂ redwing blackbirds, 2 dickcissels; 5:00 ♂
 redwing blackbird; and large bullfrog, female redwing;
 this side of arm has more *Lemna* dickweed and less
Spirogyra; darnwing needles (2 species) about 1 per every
 100 feet; 5:06 promontory point, water slightly muddy from
 land but vegetation will finally cover ground because it
 is of gentle slope and seal in soil from erosion; beyond
 point *Spirogyra* becoming more prominent; there are
 large lumber logs (8-12 feet) on ~~east~~ ^{west} side of this arm of
 lake which may have some significance in water circulat-
 ion or wind (approx. 25 logs); 5:12 killdeer, *Spirogyra*
 heavy and associated with logs; 5:14 2 redwing blackbirds;
 5:19 ~~beginning~~ beginning of large live trees on bank; 1
 kingfisher; old fence line puts lake; no scat or turtles
 on logs, *Acris* calling locally; ^{5:20 sycamore trees growing across head of arm;} 5:24 overhang tree on bank;
 5:25 field sparrow & one unknown call; 5:25 chickadees;
 drainage from ^W ~~is~~. 5:30 under utility line; 5:32 shale
 bank with juniper tree in center; cardinal; 5:33 drain-
 age from right; 5:38 large sycamore tree on E bank of
 channel; 5:38 old road into lake & crossing utility line,
 summer tanager, continued 200' beyond utility line
 crossing and then returned, creek navigatable beyond;
 5:41 bobwhite; creek has been 5' higher than present
 level during last flood period; 5:44 downy woodpecker;
 5:47 yellow-billed cuckoo & yellow throat warbler; saw at
 shale cliffs & juniper on return trip down river channel;
 5:48 passing under utility line; 5:50 cowbird ♂, redwing;
 large tree in lake; red-bellied woodpecker; 5:52 redwing
 blackbird in dead tree in lake; 5:55 redwing blackbird,
 redtail hawk circling & calling in trees to E; 5:57 female
 redwing; bull frog; at head of sycamore trees in arm of lake;
 6:02 field sparrow; 6:03 promontory; 6:05 bullfrog calling (3);
 6:07 Baltimore Oriole; mourning dove; 6:08 5th turkey vulture
 in tree; ^{beyond census area} 2 redwing blackbirds, bull frog calling; 6:08 starting