

Appendix C

Census Stops and Transect Routes (Fig. C-1)

Transect Route 1. Census stops 1-13-12-3-4-11-10-4.

This area was the most varied habitat, with the various wet bottomland habitats surrounded by levees. The route was conducted on foot mainly by walking along levees and then wading to census stops. The transect leg between census stops 10 and 4 included crossing a deep stream (>5 ft) on a partially submerged log, which could not be crossed during high water.

Transect Route 2. Census stops 32-33-34-44-47-46-45-57-58.

This area involved walking along levees and access roads and canoeing. The first flooded census stops were entered from the levees and roads, whereas the last 2 census points were visited by canoe by 2 different routes because of changing water levels.

Transect Route 3. Census stops 21-20-15-8-6-5-9-14.

This route involved walking along a relatively direct route. Some streams (up to 4 ft deep) were forded and one (>5 ft deep) was bypassed along a dirt road to a cropped field.

Transect Route 4. Census stops 22-19-17-16-7-18-23-24.

The first part of the route involved canoeing along an unfinished dirt levee and then going by canoe or walking through water away from the edge to census stops. Most census stops were reached by canoeing up or down stream, or both, and then walking through mud or water to census stops. One census stop (#7) involved a lengthy backtrack by canoe, and walking through mud or water down an old jeep trail. This route would have been better if it had contained only 6 census stops or had others connected to it to eliminate one of the long backtracks.



Fig. C-1. Locations of Transect Routes (in circles) and Census Stops.

Transect Route 5. Census stops 54-53-52-51-41-50-49-42-43.

This route involved canoeing through chain lake, down to and through the Illinois River, and back into the Sanganois Conservation Area, where one levee had to be portaged between census stops. Most census stops were reached by canoeing directly to them or by walking to them through water.

Transect Route 6. Census stops 31-36-35-37-38-30-29-26-25.

This route involved several backtracks of varying lengths plus one to several portages and backtracks through water or mud, depending on water level.

Transect Route 7. Census stops 40-39-28-27-105-102-103-104.

This canoe route was the most distant. Shallow water made use of the trolling motor difficult and made several long portages necessary. Thick woody vegetation also made getting into and out of census stops difficult.

Qualitative census stops 1Q, 2Q, 3Q, 4Q, 5Q, 6Q, and 7Q.

These were in the southeast and northeast (Knapp Island) sections. Mud, high water, and rain prevented driving to 1Q, 2Q, 6Q, and 7Q. A canoe was used in 1Q during most censuses.

Census stop 101.

This stop was visited twice. It required driving 40 minutes and walking 15 to 20 minutes to get to, and could not be connected to any other census stops.

The setting up of census routes was delayed in hopes that falling water levels would allow transect routes to be conducted according to DOC guidelines. When it was apparent further drying out of the area would be slow or reversed, census routes were drawn up according to existing conditions, with minor

alterations, after censuses had been conducted once. Had the extent of reflooding been known, census routes would have been shortened and started earlier.

Census Stop Markers and Locations (Fig. C-1)

- #1. Marked by red steel post (#411) 3 ft south of the levee, 2 ft in front of large American elm.
- #2. Marked by red steel post (#411) approximately 300 ft and 30 degrees from levee and pump station fence.
- #3. Marked by red steel post (#411) at northeast edge of levee and another steel post (#411) approximately 600 ft and 60 degrees from levee.
- #4. Marked by tags (#40-43) on 4 12-inch dbh trees (2 slippery elm and 2 silver maple) 50-100 ft apart around a weedy open area.
- #5. Marked by tags (#221-225) on an 18-inch dbh slippery elm.
- #6. Marked by tags (#219-220) on a 4-inch dbh silver maple. Four large (24-inch dbh) trees were within 10 ft of each other and were 25 ft to the southwest.
- #7. Marked by tags (#64-67) on 36-inch dbh silver maple 50 ft east of stream in group of large silver maples.
- #8. Marked by tags (#213-216) on double trunk 20- to 24-inch dbh silver maple split at 5 1/2 ft above the ground.
- #9. Marked by tags (#225-228) on 18-inch dbh silver maple on north side of stream.
- #10. Marked by red steel post (#411) in south half of Cuba Island.
- #11. No marker--on levee.
- #12. Marked by red steel post (#411) approximately 300 ft northwest of levee intersection and DOC census point.

- #13. Marked by red steel post (#411) approximately 300 ft southwest of upland levee intersection.
- #14. Marked by tags (#229-231) on 12-inch dbh green ash on west side of small willow pond.
- #15. Marked by tags (#209-212) on 3 slippery elm and one silver maple (all about 6 inches dbh). Location was 270 m north of east-west forest edge and 300 ft west of forest edge.
- #16. Marked by tags (#60-63) on 18-inch dbh green ash.
- #17. Marked by tags (#56-59) on 30-inch dbh cottonwood, 250 ft from stream bend.
- #18. Marked by tags (#68-71) on 10-inch dbh silver maple 300 ft north of levee, 150 ft east of stream.
- #19. Marked by tags (#51-55) on group of 10 silver maples 6-10 inches dbh. Census spot was 300 ft south of southeast corner of borrow pond and 300 ft away from levee. Census stop is east of DOC location due to movement away from edge and due to error in locating levee.
- #20. Marked by tags (#205-208) on 8-inch dbh green ash.
- #21. Marked by tags (#201-204) on 24-inch dbh silver maple.
- #22. Marked by tags (#47-50) on 20- to 24-inch dbh silver maple. Census stop is east of DOC location due to error in locating levee and movement away from edge.
- #23. Marked by tags (#72-75) on 12-inch dbh black willow.
- #24. Marked by tags (#77-80) on 32-inch dbh cottonwood.
- #25. Marked by tags (#36-39) on slippery elm.
- #26. Marked by tags (#32-35) on silver maple.
- #27. Marked by tags (#251-253) on black willow on east edge of tree.
- #28. Marked by tags (#246-249) on 15-inch dbh black willow with 2 horizontal curved limbs of the same size.

- #29. Marked by tags (#86-89) on 10-inch dbh river birch.
- #30. Marked by tags (#81-84) on 15-inch dbh black willow 200 ft south of pond.
- #31. Marked by tags (#280-283) on 20-inch dbh cottonwood.
- #32. Marked by tags (#276-279) on 15-inch dbh black willow (largest tree in area) 900-1,000 ft from levee away from clearings to northeast, northwest, and southwest.
- #33. Marked by tags (#274-275) on 20- to 24-inch dbh silver maple 550 ft from levee and 350 degrees from red steel post on edge of levee.
- #34. Marked by tags (#272-273) on half hollow silver maple 1,000 ft west of red steel post on edge of levee.
- #35. Marked by tags (#288-292) on 12-inch dbh black willow.
- #36. Marked by tags (#284-287) on 12-inch dbh black willow 150 ft from edge of trees.
- #37. Marked by tags (#94-97) on black willow.
- #38. Marked by tags (#90-93) on green ash.
- #39. Marked by tags (#243-246) on 16-inch dbh cottonwood in middle of strip of floodplain forest.
- #40. Marked by tags (#239-242) on 15-inch dbh silver maple.
- #41. Marked by tags (#20-22) on 15-inch silver maple half way between waterways.
- #42. Marked by tags (#23-27) on black willow.
- #43. Marked by tags (#28-31) on 12-inch dbh silver maple.
- #44. Marked by tags (#270-271) on 30-inch dbh cottonwood.
- #45. Marked by tags (#1-4) on 30-inch dbh silver maple.
- #46. Marked with red steel post (#411).
- #47. Marked with red steel post (#411), 72 m south of pine trees on fence line. Census stop is 41 m west of steel post.

- #49. Marked by tags (#234-237) on 18-inch dbh green ash.
- #50. No marker due to high water.
- #51. Marked by tags (#17-19) on outside of 3 black willows.
- #52. Marked by tags (#13-16) on 16-inch dbh double trunk silver maple.
- #53. Marked by tags (#9-12) on 18-inch dbh black willow.
- #54. Marked by tags (#5-8) on 16-inch dbh green ash 8 ft above the ground,
150 ft back from trees to east.
- #57. Marked by tags (#297-300) on 12-inch dbh cottonwood.
- #58. Marked by tags (#294-296) on pair of green ash trees.
- #101. Marked by tags (#98-100) on a sycamore tree.
- #102. Marked by tags (#258-261) on 12-inch dbh black willow.
- #103. Marked by tags (#262-265) on 24-inch dbh silver maple.
- #104. Marked by tags (#266-269) on 4 of 5 10-inch dbh silver maples.
- #105. Marked by tags (#254-257) on black willow.
- 1Q. Marked by red steel post (#411) at edge of trees on northwest edge of
Cuba Island. Census stop is approximately 300 ft northwest.
- 2Q. Marked by red steel post (#411) on north half of Cuba Island.
- 3Q. Marked by red steel post (#411) in marsh.
- 4Q. Marked by tags (#44) on dead tree by levee and (#45 and 46) on oak tree
at entrance to census area.
- 5Q. Marked by red steel post (#411) 340 ft north of bat shelter.
- 6Q. No marker.
- 7Q. Marked by red steel post (#411).