

REPORT ON INVERTEBRATE COLLECTIONS

MISSISQUOI NATIONAL WILDLIFE REFUGE, 1985

We continued pitfall trapping, in 1985 at two sites, one on Metcalfe Island, and the other on the mainland, just opposite to it. We also did spot collecting of various kinds, mostly near the pitfall traps. There is a time lag of several months between the collection of specimens and the completion of mounting and labelling; therefore, a list of species taken is not yet available. Some interesting finds have already been identified, however. These include a marsh grasshopper not previously found in Vermont, a caddisfly larva and a netwing larva which feed on freshwater sponges, and a moth whose caterpillar bores in the underground stems of sensitive fern. Identification has been concentrated on the ground beetles, the group on which I am most expert. A list of the species identified so far is presented below. The numbers indicate the record for the 1984 season. 47 species were identified in that season. I have added 9 additional species (marked with an \*) which were collected in 1985. There are probably additional species in the 1985 catch. The numbers of records from 1984 are a very rough indication of frequency.

GROUND BEETLES [ CARABIDAE ] OF MISSISQUOI N.W.R.

1. <i>Omophron americanum</i>	1
2. <i>Elaphrus californicus</i>	6
3. <i>Loricera pilicornis</i>	2
4. <i>Clivina americana</i>	1
5. <i>Clivina fossor</i>	2
6. <i>Dyschirius integer</i>	8
7. <i>Trechus discus</i>	1
8. <i>Bembidion incrematum</i>	18
9. <i>Bembidion immaturum</i>	2
10. <i>Bembidion graciliforme</i>	5
11. <i>Bembidion intermedium</i>	1
12. <i>Bembidion castor</i>	6
13. <i>Bembidion patrule</i>	28
14. <i>Bembidion versicolor</i>	8
15. <i>Bembidion muscicola</i>	20
16. <i>Bembidion frontale</i>	44
17. <i>Elaphropus vivax</i>	1
18. <i>Paratachys scitulus</i>	1
19. <i>Mioptachys flavicauda</i>	5
20. <i>Pterostichus lucublandus</i>	*
21. <i>Pterostichus melanarius</i>	35
22. <i>Pterostichus caudicalis</i>	11
23. <i>Pterostichus corvinus</i>	7
24. <i>Pterostichus luctuosus</i>	104
25. <i>Pterostichus scrutator</i>	2
26. <i>Pterostichus leconteanus</i>	*
27. <i>Platynus opaculus</i>	*

28. <i>Agonum extensicolle</i>	1
29. <i>Agonum thoracicum</i>	*
30. <i>Agonum anchomenoides</i>	13
31. <i>Agonum gratiosum</i>	4
32. <i>Agonum melanarium</i>	138
33. <i>Agonum fidele</i>	6
34. <i>Agonum harrisi</i>	57
35. <i>Agonum tenue</i>	1
36. <i>Agonum moerens</i>	11
37. <i>Agonum puncticeps</i>	5
38. <i>Olisthopus micans</i>	1
39. <i>Harpalus erythropus</i>	1
40. <i>Anisodactylus discoideus</i>	7
41. <i>Anisodactylus sanctaecrucis</i>	1
42. <i>Anisodactylus nigrita</i>	1
43. <i>Anisodactylus kirbyi</i>	*
44. <i>Bradycellus atrimedium</i>	8
45. <i>Acupalpus carus</i>	*
46. <i>Diplocheila assimilis</i>	20
47. <i>Badister neopulchellus</i>	3
48. <i>Badister ocularis</i>	2
49. <i>Chlaenius sericeus</i>	2
50. <i>Chlaenius impunctifrons</i>	42
51. <i>Chlaenius pensylvanicus</i>	6
52. <i>Chlaenius tricolor</i>	*
53. <i>Brachinus janthinipennis</i>	21
54. <i>Brachinus cyanochroaticus</i>	*
55. <i>Brachinus alternans</i>	*

No data from this study have yet been published. When it is published, copies will be sent to the refuge headquarters.

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