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NATURAL HISTORY SURVEY OF ILLINOIS
STATE LABORATORY OF NATURAL HISTORY
S, A. FORBES, DIRECTOR

Maps

Showing Distribution of Illinois Fishes to Accompany a Report on the Fishes of Illinois

BY

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AND

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LIST OF MAPS

The general map of the distribution of collections (Map IV.) shows, by the location of the red spots, all the localities from which collections of fishes have been made by us in the work of the Natural History Survey. The distribution maps for the various species indicate in the same way all the localities from which representatives of the species have been taken. *For an accurate idea of the significance of these species maps, each should be compared with Map IV.*

The following numbered list of the counties of the state corresponds to the figures on these maps.

1. Jo Daviess	35. Hancock	69. Madison
2. Stephenson	36. McDonough	70. Bond
3. Winnebago	37. Fulton	71. Fayette
4. Boone	38. Mason	72. Effingham
5. McHenry	39. Tazewell	73. Jasper
6. Lake	40. McLean	74. Crawford
7. Cook	41. Vermilion	75. Lawrence
8. Du Page	42. Champaign	76. Richland
9. Kane	43. Piatt	77. Clay
10. DeKalb	44. Dewitt	78. Marion
11. Ogle	45. Logan	79. Clinton
12. Lee	46. Menard	80. St. Clair
13. Carroll	47. Cass	81. Monroe
14. Whiteside	48. Schuyler	82. Randolph
15. Rock Island	49. Brown	83. Washington
16. Mercer	50. Adams	84. Perry
17. Henry	51. Pike	85. Jefferson
18. Bureau	52. Scott	86. Wayne
19. Putnam	53. Morgan	87. Edwards
20. La Salle	54. Sangamon	88. Wabash
21. Kendall	55. Christian	89. White
22. Grundy	56. Macon	90. Hamilton
23. Will	57. Moultrie	91. Franklin
24. Kankakee	58. Douglas	92. Jackson
25. Iroquois	59. Edgar	93. Williamson
26. Ford	60. Clark	94. Saline
27. Livingston	61. Coles	95. Gallatin
28. Marshall	62. Cumberland	96. Hardin
29. Woodford	63. Shelby	97. Pope
30. Stark	64. Montgomery	98. Johnson
31. Peoria	65. Macoupin	99. Union
32. Knox	66. Greene	100. Alexander
33. Warren	67. Calhoun	101. Pulaski
34. Henderson	68. Jersey	102. Massac

I. & II. The three sections of Illinois, northern, central, and southern, and the ten stream systems of the state: I., the Galena District, II., the Rock River System, III., the Illinois River System, IV., the Lake Michigan drainage, V., the Mississippi River drainage, VI., the Kaskaskia River System, VII., the Wabash System, VIII., the Big Muddy River System, IX., the Saline River System, and X., the Cairo District.

III. Glacial geology of Illinois.

IV. Localities from which collections were made.

V.—CII. Distribution of species.

CI. Northern species (●) and southern species (▲) in Illinois.

- V. *Lepisosteus osseus*
VI. *L. platostomus*
VII. *Amia calva*
VIII. *Dorosoma cepedianum*
IX. *Ictiobus cyprinella*
X. *I. urus*
XI. *I. bubalus*
XII. *Carpionodes carpio*
XIII. *C. difformis*
XIV. *C. velifer*
XV. *C. thompsoni*
XVI. *Erimyzon sucetta oblongus*
XVII. *Minytrema melanops*
XVIII. *Catostomus commersonii*
XIX. *C. nigricans*
XX. *Moxostoma anisurum*
XXI. *M. aureolum*
XXII. *M. breviceps*
XXIII. *Campostoma anomalum*
XXIV. *Chrosomus erythrogaster*
XXV. *Hybognathus nuchalis*
XXVI. *H. nubila*
XXVII. *Pimephales promelas*
XXVIII. *P. notatus*
XXIX. *Semotilus atromaculatus*
XXX. *Opsopœodus emiliæ*
XXXI. *Abramis crysoleucas*
XXXII. *Cliola vigilax*
XXXIII. *Notropis cayuga*
XXXIV. *N. heterodon*
XXXV. *N. blennius*
XXXVI. *N. gilberti*
XXXVII. *N. illecebrosus*
XXXVIII. *N. hudsonius*
XXXIX. *N. lutrensis*
XL. *N. whipplii*
XLI. *N. cornutus*
XLII. *N. jejunos*
XLIII. *N. atherinoides*
XLIV. *N. rubrifrons*
XLV. *N. umbratilis atripes*
XLVI. *Ericymba buccata*
XLVII. *Phenacobius mirabilis*
XLVIII. *Hybopsis dissimilis*
XLIX. *H. amblops*
L. *H. storerianus*
LI. *H. kentuckiensis*
LII. *Ictalurus punctatus*
LIII. *Ameiurus natalis*
LIV. *A. nebulosus*
LV. *A. melas*
LVI. *Leptops olivaris*
LVII. *Noturus flavus*
LVIII. *Schilbeodes gyrinus*
LIX. *S. miurus*
LX. *Umbra limi*
LXI. *Esox vermiculatus*
LXII. *E. lucius*
LXIII. *Fundulus diaphanus menona*
LXIV. *F. dispar*
LXV. *F. notatus*
LXVI. *Gambusia affinis*
LXVII. *Percopsis guttatus*
LXVIII. *Labidesthes sicculus*
LXIX. *Aphredoderus sayanus*
LXX. *Pomoxis annularis*
LXXI. *P. sparoides*
LXXII. *Centrarchus macropterus*
LXXIII. *Ambloplites rupestris*
LXXIV. *Chænobryttus gulosus*
LXXV. *Lepomis miniatus*
LXXVI. *L. megalotis*
LXXVII. *L. humilis*
LXXVIII. *L. pallidus*
LXXIX. *Eupomotis gibbosus*
LXXX. *Micropterus dolomieu*
LXXXI. *M. salmoides*
LXXXII. *Stizostedion vitreum*
LXXXIII. *S. canadense griseum*
LXXXIV. *Perca flavescens*
LXXXV. *Percina caprodes*
LXXXVI. *Hadropterus phoxocephalus*
LXXXVII. *H. aspro*
LXXXVIII. *Cottogaster shumardi*
LXXXIX. *Diplesion blennioides*
XC. *Boleosoma nigrum*
XCI. *B. camurum*
XCII. *Ammocrypta pellucida*
XCIII. *Etheostoma zonale*
XCIV. *E. jessiae*
XCV. *E. coeruleum*
XCVI. *E. squamiceps*
XCVII. *E. flabellare*
XCVIII. *Boleichthys fusiformis*
XCIX. *Microperca punctulata*
C. *Roccus chrysops*
CI. *Morone interrupta*
CII. *Aplodinotus grunniens*

I & II
Stream systems
and
Sections of
Illinois

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III Map of the Glacial Geology of Illinois

IV
Water Courses
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V
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VI
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of
*Lepisosteus
platostomus*

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VII
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Amia
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VIII.
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IX
Distribution
of
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X
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of
Ictiobus
urus

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XI
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of
Ictiobus
bubalus

.....Ill. and Mich. Canal
.....Ill. and Miss. Canal
.....Drainage Canal
• County Seat

.....Ill. and Mich. Canal
Ill. and Miss. Canal
Drainage Canal
 . County Seat

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carpio

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XIII
 Distribution
 of
Carpodes
difformis

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XIV
Distribution
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*Carpododes
velifer*

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sucetta
oblongus

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Minytrema
melanops

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XVIII
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.....Ill. and Miss. Canal
.....Drainage Canal
• County Seat

-Ill. and Mich. Canal
-Ill. and Miss. Canal
-Drainage Canal
- County Seat

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XIX
 Distribution
of
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 Distribution
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XXI
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aureolum

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breviceps

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nubila

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promelas

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XXVIII
Distribution
of
Pimephales
notatus

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XXIX
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Semotilus
atromaculatus

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XXXI
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XXXIV
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heterodon

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XXXV
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gilberti*

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Distribution
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illecebrosus

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XXXVIII
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of
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hudsonius

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XXXIX
Distribution
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*Notropis
lutrensis*

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XL.
Distribution
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*Notropis
whipplii*

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XLI
Distribution
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cornutus*

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XLII
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jejunus*

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umbratilis
atripes

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punctatus

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natalis

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LIV
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of
Ameiurus
nebulosus

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LV
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*Ameiurus
melas*

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LVI
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olivaris

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LVII
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Noturus
flavus

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 Schilbeodes
 miurus

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Umbra
limi

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vermiculatus

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Esox
lucius

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*Fundulus
diaphanus
menona*

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LXIV
Distribution
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guttatus*

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Labidesthes
sicculus

-----Ill. and Mich. Canal
Ill. and Miss. Canal
Drainage Canal
 • County Seat

.....Ill. and Mich. Canal
Ill. and Miss. Canal
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Pomoxis
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of
Ambloplites
rupestris

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.....Ill. and Mich. Canal
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LXXIV
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of
*Lepomis
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vitreum

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 Distribution
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Stizostedion
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griseum

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LXXXIV
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Percina
caprodes

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Hadropterus
aspro

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 Distribution
of
 Cottogaster
 shumardi

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LXXXIX
Distribution
of
Diplesion
blennioides

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XC
Distribution
of
Boleosoma
nigrum

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XCI
Distribution
of
Boleosoma
camurum

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XCII
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Ammocrypta
pellucida

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XCIII
Distribution
of
Etheostoma
zonale

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XCIV
Distribution
of
Etheostoma
jessiae

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XCV
Distribution
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Etheostoma
cœeruleum

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XCVI
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Etheostoma
squamiceps

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XCVII
Distribution
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Etheostoma
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XCVIII
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XCIX
Distribution
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*Microperca
punctulata*

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C
Distribution
of
Roccus
chrysops

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C1
Distribution
of
Morone
interrupta

LIBRARY
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CII
Distribution
of
Aplodinotus
grunniens

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CIII
 Northern species (●)
 and
 Southern species (▲)
 in Illinois

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