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**ILLINOIS  
NATURAL HISTORY  
SURVEY**

**Compendium of 143 Illinois Lakes: Bathymetry,  
physico-chemical features, and habitats**

**Volume 1 - Lakes in Regions 1, 2, and 3**

F-69-R(4-6)

Final Report to

Division of Fisheries

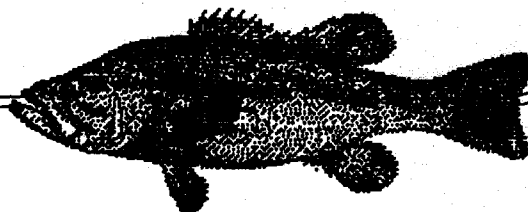
Illinois Department of Conservation

**Center for Aquatic Ecology**

**Douglas J. Austen, James T. Peterson, Barry Newman,  
Stephen T. Sobaski and Peter B. Bayley**

June 1993

**Aquatic Ecology Technical Report 93/9 (1)**





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## SUMMARY OF PROJECT

Data Base Management and Analysis of Fisheries in Illinois (Project F-69-R(4-6)) is a continuation of F-69-R(1-3) and F-46-R with significant additions. The Final report is divided into four Aquatic Ecology Technical Reports 93/6 through 93/9:

'Fisheries Analysis System (FAS): STATE FAS Database and Programs' (93/6) describes the design of the new statewide database based on Paradox 4.0. Uploading, text outputs, and reporting procedures are described. A new set of stand-alone programs to output catch-per-unit-effort, stock indices, length frequencies, and condition factors from the statewide database are described. Updates to DOC9 DISTRICT FAS programs are described, in addition to a new program that outputs limnological data.

'Fisheries Analysis System (FAS): Creel Survey Analyses' (93/7) summarizes results from 107 annual daytime creels begun in F-69-R(1-3), F-29-D, and continued through F-69-R(4-6). A highly stratified random design produced 95% confidence limits of  $\pm 10-30\%$  of mean total harvest and  $\pm 5-15\%$  of total angling effort for most of the daytime creel surveys, which included impoundments ranging from 13 to 18,900 acres. Increasing the proportion of day-periods sampled from 30 to 45-55% improved the precision of estimates on smaller lakes, but precision was already relatively low for large lakes (with more than one section) at the 25-35% level. Therefore, sampling costs could be reduced on larger lakes with minimal loss in precision. Seventy-eight percent of the variation in  $\log(\text{harvest}/\text{area})$  was explained by  $\log(\text{angler-hours}/\text{area})$ . This strong, linear relationship indicated that high angling intensities did not result in a reduction in total harvest. Also, a preliminary analysis across lakes suggested that high yields were not obtained at the expense of smaller fish.

'Environmental Classification of Illinois Lakes and Relationships with fish communities' (93/8) is the first analysis that attempts to classify Illinois lakes according to physico-chemical features and relate this classification to fish species and guilds. This provides a first step towards understanding, and eventually managing, groups of ecologically similar lakes, and to utilizing group members as treatments and controls in experimental management programs.

Finally, the 'Compendium of 143 Illinois Lakes: bathymetry, physico-chemical features, and Habitats' (93/9) contains the first detailed information on a large set of Illinois lakes of use to managers and researchers. This is a culmination of field work begun during F-46-R in 1985. Maps indicate bathymetry, shoreline habitat types, and Illinois Department of Conservation fish sampling locations. Tables describe physical, chemical, and historical information on each lake.

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**Disclaimer: the maps in this publication are not intended for navigation or engineering purposes.**

### Preface

This report contains a variety of information about 143 Illinois lakes given in a table and two figures for each lake. The tables lists various characteristics of the lake such as location, morphometry, water chemistry, species present in the lake and general habitat descriptions. The first figure is a bathymetric map of the lake showing selected contours. All contours mapped are not shown due to lack of space. The second figure gives habitat descriptions and location of IDOC sampling sites. These maps are not intended for navigation or engineering purposes.

This technical report is part of the final report of Project F-69-R (4-6), Data Base Management and Analysis of Fisheries in Impoundments, which was conducted under a memorandum of understanding between the Illinois Department of Conservation and the Board of Trustees of the University of Illinois. The actual work was performed by the Illinois Natural History Survey, a division of the Department of Energy and Natural Resources. The project was supported through Federal Aid in Sport Fish Restoration (Dingell-Johnson) by the U.S. Fish and Wildlife Service, the Illinois Department of Conservation, and the Illinois Natural History Survey. The form, content, and data interpretation are the responsibility of the University of Illinois and the Illinois Natural History Survey, and not that of the Illinois Department of Conservation.

### Acknowledgments

Numerous people have helped with the development of this compendium including: Chuck Alexander, Craig Birkey, Dan Gavrilovic, Rob Maher, and Joe Stepping. We would also like to thank numerous state agencies and private consulting firms who provided base maps for many water bodies. We have tried to list on the map the proper credit for the original map source where available.

**Listing of all lakes in Volumes 1 and 2 ordered alphabetically by lake name with map reference - lakes in Volume 1 in uppercase and bold**

<u>Lake Name</u>	<u>County</u>	<u>Region</u>	<u>District</u>	<u>Map Reference</u>
Allison lake .....	Logan .....	4 .....	11 .....	1
<b>ARGYLE LAKE</b> .....	<b>MCDONOUGH</b> .....	<b>1 .....</b>	<b>3 .....</b>	<b>2</b>
Ashland new reservoir .....	Cass .....	4 .....	11 .....	3
Augusta .....	Hancock .....	4 .....	10 .....	4
<b>ATWOOD</b> .....	<b>MCHENRY</b> .....	<b>2 .....</b>	<b>5 .....</b>	<b>5</b>
Baldwin lake .....	Randolph .....	4 .....	13 .....	6
Beall woods .....	Wabash .....	5 .....	15 .....	7
Beaver dam lake .....	Macoupin .....	4 .....	12 .....	8
<b>BIG LAKE</b> .....	<b>KENDALL</b> .....	<b>2 .....</b>	<b>7 .....</b>	<b>9</b>
<b>BLUFF LAKE (FCOL)</b> .....	<b>LAKE</b> .....	<b>2 .....</b>	<b>6 .....</b>	<b>10</b>
Borah lake .....	Richland .....	5 .....	15 .....	11
<b>BRAIDWOOD LAKE</b> .....	<b>WILL</b> .....	<b>2 .....</b>	<b>7 .....</b>	<b>12</b>
<b>CANTON LAKE</b> .....	<b>FULTON</b> .....	<b>1 .....</b>	<b>3 .....</b>	<b>13</b>
<b>CARLTON</b> .....	<b>WHITESIDE</b> .....	<b>1 .....</b>	<b>2 .....</b>	<b>14</b>
Carthage Lake .....	Hancock .....	4 .....	10 .....	15
<b>CATHERINE (FCOL)</b> .....	<b>LAKE</b> .....	<b>2 .....</b>	<b>6 .....</b>	<b>16</b>
Centralia .....	Marion .....	5 .....	14 .....	17
<b>CHANNEL LAKE (FCOL)</b> .....	<b>LAKE</b> .....	<b>2 .....</b>	<b>6 .....</b>	<b>18</b>
<b>CHARLESTON SIDE CHANNEL L.</b>	<b>COLES</b> .....	<b>3 .....</b>	<b>9 .....</b>	<b>19</b>
<b>CLINTON LAKE</b> .....	<b>DEWITT</b> .....	<b>3 .....</b>	<b>8 .....</b>	<b>20</b>
Coffeen lake .....	Montgomery .....	4 .....	12 .....	21
<b>CROSS LAKE</b> .....	<b>LAKE</b> .....	<b>2 .....</b>	<b>6 .....</b>	<b>22</b>
<b>DAWSON LAKE</b> .....	<b>MCLEAN</b> .....	<b>3 .....</b>	<b>8 .....</b>	<b>23</b>
<b>DECATUR</b> .....	<b>MACON</b> .....	<b>3 .....</b>	<b>9 .....</b>	<b>24</b>
<b>DEFIANCE LAKE</b> .....	<b>MCHENRY</b> .....	<b>2 .....</b>	<b>5 .....</b>	<b>25</b>
<b>DIAMOND LAKE</b> .....	<b>LAKE</b> .....	<b>2 .....</b>	<b>6 .....</b>	<b>26</b>
Dolan State Lake .....	Hamilton .....	5 .....	16 .....	27
<b>DRESDEN LAKE</b> .....	<b>GRUNDY</b> .....	<b>2 .....</b>	<b>7 .....</b>	<b>28</b>
<b>EAST BRANCH RESERVOIR</b> .....	<b>DUPAGE</b> .....	<b>2 .....</b>	<b>5 .....</b>	<b>29</b>
East Fork Lake .....	Richland .....	5 .....	15 .....	30
<b>EUREKA</b> .....	<b>WOODFORD</b> .....	<b>1 .....</b>	<b>4 .....</b>	<b>31</b>
<b>FAIRFIELD</b> .....	<b>LAKE</b> .....	<b>2 .....</b>	<b>6 .....</b>	<b>32</b>
Ferne Clyffe .....	Johnson .....	5 .....	18 .....	33
Forbes Lake .....	Marion .....	5 .....	14 .....	34
<b>FOREST LAKE</b> .....	<b>LAKE</b> .....	<b>2 .....</b>	<b>6 .....</b>	<b>35</b>
<b>FOX/NIPPERSINK (FCOL)</b> .....	<b>LAKE</b> .....	<b>2 .....</b>	<b>6 .....</b>	<b>36</b>
Frank Holten Lake #3 .....	St. Clair .....	4 .....	13 .....	37
Frank Holten Main Lake .....	St. Clair .....	4 .....	13 .....	38
<b>GAGES LAKE</b> .....	<b>LAKE</b> .....	<b>2 .....</b>	<b>6 .....</b>	<b>39</b>
<b>GEORGE</b> .....	<b>ROCK ISLAND</b> .....	<b>1 .....</b>	<b>2 .....</b>	<b>40</b>
<b>GEORGETOWN RESERVOIR</b> .....	<b>VERMILLION</b> .....	<b>3 .....</b>	<b>8 .....</b>	<b>41</b>



<u>Lake Name</u>	<u>County</u>	<u>Region</u>	<u>District</u>	<u>Map Reference</u>
Gillespie New City Lake .....	Macoupin .....	4 .....	12 .....	42
Gillespie Old City Lake .....	Macoupin .....	4 .....	12 .....	43
Glen Shoals .....	Montgomery .....	4 .....	12 .....	44
<b>GRASS LAKE (FCOL) .....</b>	<b>LAKE .....</b>	<b>2 .....</b>	<b>6 .....</b>	<b>45</b>
Grenville New City Lake .....	Bond .....	4 .....	12 .....	46
Greenville Old City Lake .....	Bond .....	4 .....	12 .....	47
<b>HEIDECHE LAKE .....</b>	<b>GRUNDY .....</b>	<b>2 .....</b>	<b>7 .....</b>	<b>48</b>
<b>HERRICK LAKE .....</b>	<b>DUPAGE .....</b>	<b>2 .....</b>	<b>5 .....</b>	<b>49</b>
<b>HIGHLAND LAKE .....</b>	<b>LAKE .....</b>	<b>2 .....</b>	<b>6 .....</b>	<b>50</b>
Highland Old City Lake .....	Madison .....	4 .....	12 .....	51
Hillsboro Old City Lake .....	Montgomery .....	4 .....	12 .....	52
<b>HOMER LAKE .....</b>	<b>CHAMPAIGN ..</b>	<b>3 .....</b>	<b>8 .....</b>	
<b>HONEY LAKE .....</b>	<b>LAKE .....</b>	<b>2 .....</b>	<b>6 .....</b>	<b>53</b>
Horseshoe Lake .....	Alexander .....	5 .....	18 .....	54
Horton Lake .....	Hancock .....	4 .....	10 .....	55
Jacksonville .....	Morgan .....	4 .....	11 .....	56
Jones State Lake .....	Saline .....	5 .....	17 .....	57
<b>KAKUSHA .....</b>	<b>LASALLE .....</b>	<b>1 .....</b>	<b>2 .....</b>	<b>58</b>
Kinkaid Lake .....	Jackson .....	5 .....	18 .....	59
<b>LAKE OF THE WOODS .....</b>	<b>CHAMPAIGN ..</b>	<b>3 .....</b>	<b>8 .....</b>	<b>60</b>
<b>LASALLE COOLING POND .....</b>	<b>LASALLE .....</b>	<b>1 .....</b>	<b>2 .....</b>	<b>61</b>
<b>LE-AQUA-NA .....</b>	<b>STEPHENSON ..</b>	<b>1 .....</b>	<b>1 .....</b>	<b>62</b>
<b>LINCOLN TRAIL LAKE .....</b>	<b>CLARK .....</b>	<b>3 .....</b>	<b>9 .....</b>	<b>63</b>
<b>LONG LAKE - KSP .....</b>	<b>VERMILLION ..</b>	<b>3 .....</b>	<b>8 .....</b>	<b>64</b>
Lou Yeager Lake .....	Montgomery .....	4 .....	12 .....	65
<b>MALLARD LAKE .....</b>	<b>DUPAGE .....</b>	<b>2 .....</b>	<b>5 .....</b>	<b>66</b>
<b>MARIE (FCOL) .....</b>	<b>LAKE .....</b>	<b>2 .....</b>	<b>6 .....</b>	<b>67</b>
<b>MATTOON .....</b>	<b>COLES .....</b>	<b>3 .....</b>	<b>9 .....</b>	<b>68</b>
<b>MAZONIA LAKE #7 .....</b>	<b>GRUNDY .....</b>	<b>2 .....</b>	<b>7 .....</b>	<b>69</b>
<b>MAZONIA LAKE #8 .....</b>	<b>GRUNDY .....</b>	<b>2 .....</b>	<b>7 .....</b>	<b>70</b>
<b>MAZONIA LAKE #9 .....</b>	<b>GRUNDY .....</b>	<b>2 .....</b>	<b>7 .....</b>	<b>71</b>
<b>MAZONIA LAKE #10 .....</b>	<b>GRUNDY .....</b>	<b>2 .....</b>	<b>7 .....</b>	<b>72</b>
<b>MCCULLOM LAKE .....</b>	<b>MCHENRY .....</b>	<b>2 .....</b>	<b>5 .....</b>	<b>73</b>
Mereosa .....	Cass .....	4 .....	11 .....	74
Mermet State Lake .....	Massac .....	5 .....	17 .....	75
<b>MILL CREEK LAKE .....</b>	<b>CLARK .....</b>	<b>3 .....</b>	<b>9 .....</b>	<b>76</b>
<b>MILLIKEN .....</b>	<b>WILL .....</b>	<b>2 .....</b>	<b>7 .....</b>	<b>77</b>
<b>MINGO .....</b>	<b>VERMILLION ..</b>	<b>3 .....</b>	<b>8 .....</b>	<b>78</b>
<b>MONEE RESERVOIR .....</b>	<b>WILL .....</b>	<b>2 .....</b>	<b>7 .....</b>	<b>79</b>
Mt Olive New City Lake .....	Macoupin .....	4 .....	12 .....	80
Mt Olive Old City Lake .....	Macoupin .....	4 .....	12 .....	81
Mt Sterling Lake .....	Brown .....	4 .....	10 .....	82
Murphysboro .....	Jackson .....	5 .....	18 .....	83
Murraywood Reservoir .....	Morgan .....	4 .....	11 .....	84
Newton Lake .....	Jasper .....	5 .....	15 .....	85
Nellie .....	Fayette .....	5 .....	14 .....	86

<u>Lake Name</u>	<u>County</u>	<u>Region</u>	<u>District</u>	<u>Map Reference</u>
<b>OAKLAND CITY LAKE</b> .....	<b>COLES</b> .....	<b>3</b> .....	<b>9</b> .....	<b>87</b>
One Horse Gap Lake .....	Pope .....	5 .....	17 .....	88
Otter Lake .....	Macoupin .....	4 .....	12 .....	89
Palmyra-Modesto Lake .....	Macoupin .....	4 .....	12 .....	90
<b>PANA LAKE</b> .....	<b>SHELBY</b> .....	<b>3</b> .....	<b>9</b> .....	<b>91</b>
<b>PARADISE</b> .....	<b>COLES</b> .....	<b>3</b> .....	<b>9</b> .....	<b>92</b>
<b>PARIS EAST LAKE</b> .....	<b>EDGAR</b> .....	<b>3</b> .....	<b>9</b> .....	<b>93</b>
<b>PARIS WEST LAKE</b> .....	<b>EDGAR</b> .....	<b>3</b> .....	<b>9</b> .....	<b>94</b>
Petersburg .....	Menard .....	4 .....	11 .....	95
<b>PETITE LAKE (FCOL)</b> .....	<b>LAKE</b> .....	<b>2</b> .....	<b>6</b> .....	<b>96</b>
<b>PIERCE LAKE</b> .....	<b>WINNEBAGO</b> ..	<b>1</b> .....	<b>2</b> .....	<b>97</b>
<b>PISCATEER'S LAKE</b> .....	<b>COOK</b> .....	<b>2</b> .....	<b>6</b> .....	<b>98</b>
<b>PISTAKEE LAKE (FCOL)</b> .....	<b>LAKE</b> .....	<b>2</b> .....	<b>6</b> .....	<b>99</b>
Pittsfield Lake .....	Pike .....	4 .....	10 .....	100
<b>POND6 - KSP</b> .....	<b>VERMILLION</b> ..	<b>3</b> .....	<b>8</b> .....	<b>101</b>
Pounds Hollow Lake .....	Hardin .....	5 .....	17 .....	102
<b>POWERTON LAKE</b> .....	<b>TAZEWELL</b> .....	<b>1</b> .....	<b>4</b> .....	<b>103</b>
Ramsey Lake .....	Fayette .....	5 .....	14 .....	104
Randolph County Lake .....	Randolph .....	4 .....	13 .....	105
Red Hills .....	Lawrence .....	5 .....	15 .....	106
<b>ROUND LAKE</b> .....	<b>LAKE</b> .....	<b>2</b> .....	<b>6</b> .....	<b>107</b>
<b>SAG QUARRY (EAST) CC</b> .....	<b>COOK</b> .....	<b>2</b> .....	<b>6</b> .....	<b>108</b>
Sam Parr Lake .....	Jasper .....	5 .....	15 .....	109
<b>SAND LAKE</b> .....	<b>LAKE</b> .....	<b>2</b> .....	<b>6</b> .....	<b>110</b>
Sangchris .....	Christain .....	4 .....	11 .....	111
Sara .....	Effingham .....	5 .....	14 .....	112
<b>SAUK TRAIL</b> .....	<b>HENRY</b> .....	<b>1</b> .....	<b>2</b> .....	<b>113</b>
Schuy-Rush Lake .....	Schuyler .....	4 .....	10 .....	114
<b>SHABBONA LAKE</b> .....	<b>DEKALB</b> .....	<b>1</b> .....	<b>1</b> .....	<b>115</b>
Siloam Springs .....	Adams .....	4 .....	10 .....	116
Silver Lake .....	Madison .....	4 .....	12 .....	117
<b>SPORTSMENS LAKE - KSP</b> .....	<b>VERMILLION</b> ..	<b>3</b> .....	<b>8</b> .....	<b>118</b>
<b>SPRING LAKE (NORTH)</b> .....	<b>TAZEWELL</b> .....	<b>1</b> .....	<b>4</b> .....	<b>119</b>
<b>SPRING LAKE (SOUTH)</b> .....	<b>TAZEWELL</b> .....	<b>1</b> .....	<b>4</b> .....	<b>120</b>
Springfield .....	Sangamon .....	4 .....	11 .....	121
Staunton City Lake .....	Macoupin .....	4 .....	12 .....	122
<b>STERLING LAKE LCFP</b> .....	<b>LAKE</b> .....	<b>2</b> .....	<b>6</b> .....	<b>123</b>
<b>SUMMERSET</b> .....	<b>WINNEBAGO</b> ..	<b>1</b> .....	<b>1</b> .....	<b>124</b>
<b>TAMPIER CCFPD</b> .....	<b>COOK</b> .....	<b>2</b> .....	<b>6</b> .....	<b>125</b>
Tecumseh Lake .....	Hardin .....	5 .....	17 .....	126
<b>TOWER LAKE</b> .....	<b>LAKE</b> .....	<b>2</b> .....	<b>6</b> .....	<b>127</b>
<b>TURNER LAKE-COLSP</b> .....	<b>LAKE</b> .....	<b>2</b> .....	<b>6</b> .....	<b>128</b>
Vandalia Lake .....	Fayette .....	5 .....	14 .....	129
<b>VERMILLION</b> .....	<b>VERMILLION</b> ..	<b>3</b> .....	<b>8</b> .....	<b>130</b>
Vernor Lake .....	Richland .....	5 .....	15 .....	131
Virginia City Reservoir .....	Cass .....	4 .....	11 .....	132

<u>Lake Name</u>	<u>County</u>	<u>Region</u>	<u>District</u>	<u>Map Reference</u>
<b>WALNUT POINT LAKE</b> .....	<b>DOUGLAS</b> .....	<b>3</b> .....	<b>9</b> .....	<b>133</b>
Walton Park Lake .....	Montgomery .....	4 .....	12 .....	134
Washington County Lake .....	Washington .....	4 .....	13 .....	135
Waverly Lake .....	Morgan .....	4 .....	11 .....	136
<b>WELDON SPRINGS</b> .....	<b>DEWITT</b> .....	<b>3</b> .....	<b>8</b> .....	<b>137</b>
<b>WILDERNESS LAKE</b> .....	<b>MCHENRY</b> .....	<b>3</b> .....	<b>5</b> .....	<b>138</b>
Wildwood Lake .....	Brown .....	4 .....	10 .....	139
<b>WOLF LAKE</b> .....	<b>COOK</b> .....	<b>2</b> .....	<b>6</b> .....	<b>140</b>
<b>WOOD LAKE</b> .....	<b>MOULTRIE</b> .....	<b>3</b> .....	<b>9</b> .....	<b>141</b>
<b>ZURICH</b> .....	<b>LAKE</b> .....	<b>2</b> .....	<b>6</b> .....	<b>142</b>

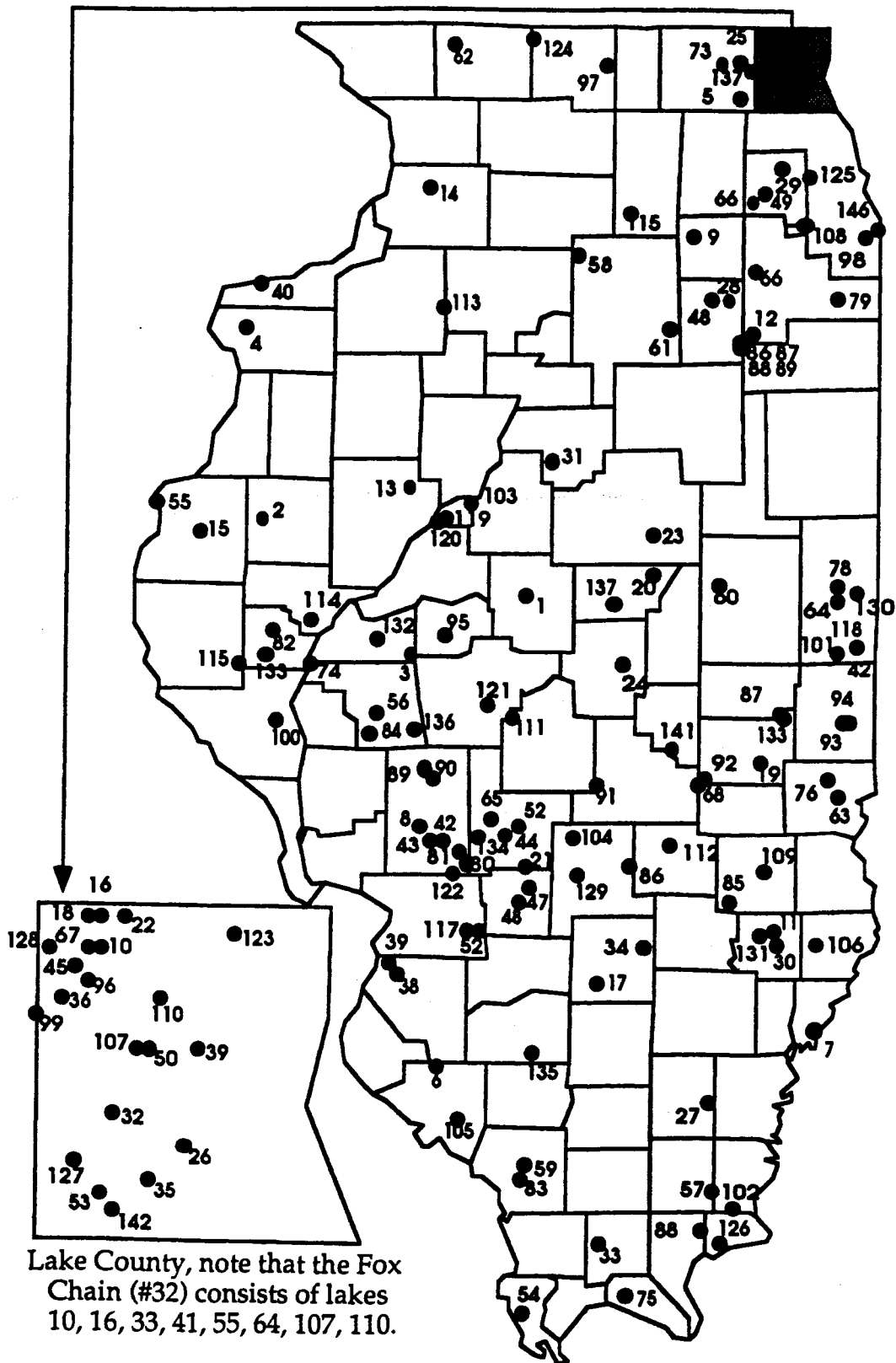


Figure 1. Locations of Illinois lakes as referenced by number in Table of Contents.

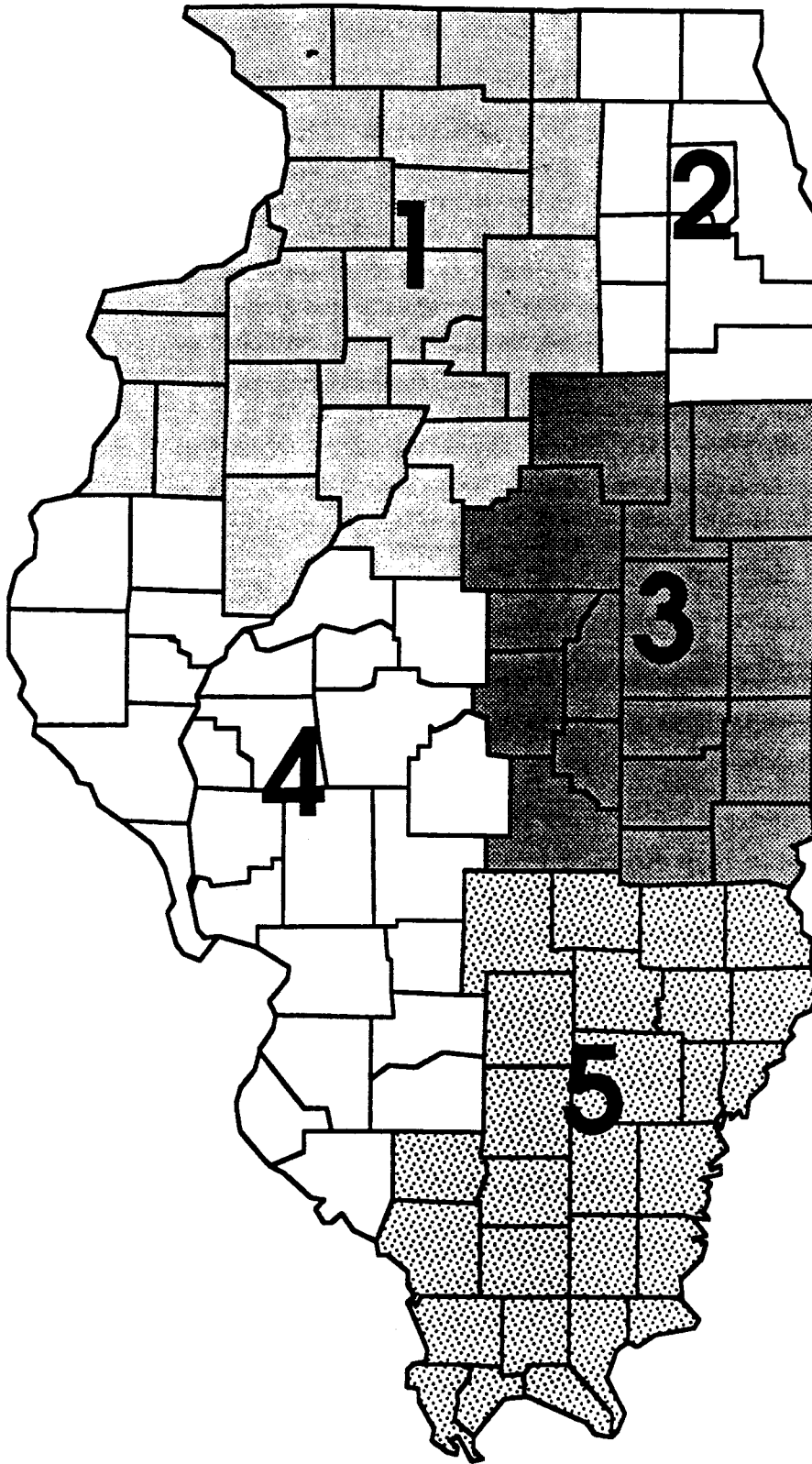


Figure 2. Illinois Department of Conservation planning and management regions

## METHODS

### *Lake Morphometry*

For each lake an attempt was made to obtain either a recent hydrographic map or a pre-impoundment topographic map of the basin. In general, pre-impoundment maps were obtainable for power plant lakes and impoundments created since about 1970. In addition, agencies such as the Illinois State Water Survey (ISWS) and the Lake County Health Department have created bathymetric maps of many lakes. If the map was over 20 years old, we generally visited the lake and assessed it for evidence of significant siltation. If this was the case we re-mapped sections of the lake, such as the upper end and coves with inflowing streams.

In some cases it was necessary to create original maps. This proceeded as follows: (1) an outline of the shoreline was obtained either from aerial photographs or from United States Geological Survey (USGS) 7.5' topographic maps, (2) using a graphing sonar (Si-Tek HE-357 or Eagle Mach 1) straight, constant-speed transects were made between known points on the shoreline of the lake (the number of transects depending on the complexity of the bottom contours), (3) the sonar strip chart of the transects was interpreted and drawn on to an enlarged copy of the lake outline, (4) contours were hand drawn on the map, (5) all maps were then either digitized or scanned and entered into the ARC/INFO geographic information system (GIS) operated by the Illinois Natural History Survey, (6) coverages were then converted into Lambert feet coordinates by locating the map on a 7.5' USGS topographic map and digitizing reference points both on the map and on the quadrangle for which we had known Lambert feet coordinates, (7) depths were assigned to the contours, and the GIS gave length of each contour and areas between adjacent contour lines. It should be noted that, due to limited resources, the maps were developed in a manner such that the accuracy of depths is no better than approximately 0.5 meter, an amount that was deemed appropriate for broad scale biological research but which may be unsuitable for engineering and navigation purposes.

From these data, surface area, maximum depth, and shoreline length were calculated. All GIS data were stored in English units and, where necessary, were converted to metric equivalents. Volume, shoreline development index (SDI), and mean depth ( $z$ ) were calculated by the formulas in Wetzel (1975):

$$(1) \quad V = \sum_{i=1 \text{ to } n} [h/3 (A_i + A_{i+1} + \sqrt{(A_i + A_{i+1}))}]$$

where:  $V$  = volume (ft<sup>3</sup>)  
 $h$  = vertical depth of the stratum (ft)  
 $i$  = number of depth stratum  
 $A_i$  = area at depth  $i$  (ft<sup>2</sup>)

$$(2) \quad SDI = \frac{L}{2 \sqrt{(\pi * A_o)}}$$

where: L = length of shoreline (m)  
A<sub>o</sub> = surface area of lake (m<sup>2</sup>)

$$(3) \quad z = V/A_o$$

where: z = mean depth (m)  
V = volume (m<sup>3</sup>)  
A<sub>o</sub> = surface area (m<sup>2</sup>)

$$(4) \quad D_v = 3 * (z / z_m) \quad (\text{Cole 1979})$$

where: D<sub>v</sub> = volume development  
z = mean depth (m)  
z<sub>m</sub> = maximum depth (m)

Watershed area was taken from literature sources or calculated from USGS maps. Retention time was typically calculated as lake volume divided by annual outflow. Because annual outflow was rarely available, the retention time for each lake was calculated based on a method described in IEPA (1978) as follows:

$$\text{Retention time (years)} = \frac{\text{storage capacity (m}^3\text{)}}{\text{annual runoff (m}^3\text{/y)}}$$

where: storage capacity is the amount of water that the lake holds.

Annual runoff was taken from figure 5 in IEPA (1978) (in inches per square mile per year). This was converted to cubic meters of runoff per year for the watershed.

### *Water Chemistry*

Data on four variables were collected; Secchi disk depth, conductivity, pH, and alkalinity. As with the lake mapping data, we first located water chemistry data collected by other agencies, particularly the IEPA. Where possible we acquired their data and calculated average values from collections in July or August. When not

available, we measured these directly as follows: (1) Secchi disk depth was measured during midday on the shady side of the boat using a standard 20 cm black and white disk, with depth recorded as the average of depth where disk fades from visibility when lowered and when it appears upon being raised, (2) conductivity was measured at 0.5 m depth using a Hanna Instruments HI 8633 conductivity meter, (3) pH was measured using a Cole-Parmer model 5985-80 Digi-sense pH meter, (4) total alkalinity was measured by acid titration to pH 4.5 using 0.02N H<sub>2</sub>SO<sub>4</sub> with alkalinity being equal to the number of ml of acid used. Water samples for pH and alkalinity analysis were taken at 0.5 m depth, chilled, and analyzed that evening in the laboratory.

### *Weather Data*

One hundred and seventy-five weather reporting stations located throughout Illinois collect data for the Midwest Climate Information System (MICIS) database. Latitude and longitude for each weather station in MICIS and lakes in the FAS database were determined. By finding the smallest Euclidean distance between each combination of station and lake, the stations were paired with the individual lakes. From each weather reporting station we obtained two statistics describing gross temperature conditions. Cooling degree days (also called growing degree days) is the sum over a year of the difference between the average daily temperature and a base temperature of 50° F. Length of growing season is the number of days between the last day in the spring with a 32° F low and the first day in the fall with a 32° F low. Both statistics were calculated as the mean value over the period from 1948 to 1990.

### *Habitat Descriptions*

Habitat coding, given in the second map for each lake, attempts to characterize the major habitat types for each lake. All habitats were visually inspected and coding was based on *a priori* discussions of what comprised each specific habitat type. To improve consistency of habitat ratings, three people did all ratings, at least one of which visited each lake. Three types of habitat are discussed: (1) shoreline habitat consisting of the water-land interface, (2) inshore substrate type and, (3) hard cover rating which rates the amount of woody cover in the water near shore. For habitat and substrate we characterized each section of shoreline with a primary and secondary code; only the primary code is shown in the lake map and the lake summary page. Both primary and secondary codes are stored in the ARC/INFO system and are accessible when necessary. Codes are as follows:



## Habitat Codes Listed for Each Lake

### Habitat:

W = Woody debris  
 E = Emergent vegetation  
 R = Rip rap  
 O = Open area  
 D = Docks  
 T = Retaining wall or dam face  
 U = Unknown

### Substrate:

M = Mud or silt  
 C = Clay  
 S = Sand  
 G = Gravel  
 B = Rock or boulder  
 U = Unknown

### Hard Cover Rating:

0 = 0% woody debris and no docks.  
 1 = 0% woody debris with docks or 1-33% woody debris.  
 2 = 1-33% woody debris with many docks or 34-66% woody debris.  
 3 = 34-66% woody debris with many docks or > 67% woody debris.

In the tabular output for each lake a habitat description is given showing the percentage of the lake comprised of each habitat type and the percentage of the each habitat type that was sampled by electrofishing. This is useful as an indicator of the potential sampling bias accorded to selection for or against certain habitat types. This information can also be used when comparing samples between lakes where samples encompassed differing percentages of habitats. Correction can be made for differential habitat sampling.

### *Species Presence*

This is based on a search of all samples in the state FAS system for each lake. If the species was caught in any sample on a particular lake it is noted as being present in that lake.

*IDOC Lake Class*

Indicates the ownership and management responsibility for the lake.

- ST – State: waters owned or leased by the Illinois Department of Conservation.
- PU – Public: waters open to the public and owned or leased by other governmental agencies.
- OR – Organizational: waters owned or leased by sportsmen's club, homeowners association, scouts, etc.
- PR – Private: privately owned or leased waters which are not operated by organizations or as commercial areas.

*Lake Type Codes*

Indicates the origin of the lake

- AA – artificial, dammed only
- AD – artificial, dug and dammed
- AO – artificial, other
- AQ – artificial, quarry
- AS – artificial, strip mine
- NB – natural, bottomland
- NG – natural, glacial
- NO – natural, other
- NR – natural, river backwater
- NS – natural, sinkhole
- UN – unknown

*Natural Division*

The natural division listed for each lake refers to the classification of Schwegman (1973). These 14 divisions were based on physiography, flora, fauna, soil types and soil origins. The natural divisions (Figure 3) were distinguished according to "differences in significant aspects of topography, soils, bedrock, glacial history and distribution of plants and animals" (Schwegman 1973). Whether these divisions influence fish communities is unknown.

*Availability of Maps*

Copies of maps will be available from the Illinois Department of Conservation, Division of Fisheries, 600 North Grand Avenue West, Springfield, IL 62701-1787.

## REFERENCES

- Cole, G. A. 1979. Textbook of Limnology. Second Edition. The C.V. Mosby Company, St. Louis, Missouri.
- IEPA. 1978. Assessment and classification of Illinois lakes. Volume I. Staff Report, Water Quality Management Planning Program, Illinois Environmental Protection Agency, Springfield, Illinois.
- Schwegman, J. E. 1973. Comprehensive plan for the Illinois Nature Preserves System, Part 2. The Natural Divisions of Illinois. Illinois Nature Preserves Commission, Springfield, IL. 32 pages.
- Wetzel, R. G. 1975. Limnology. Saunders. Philadelphia, Pennsylvania.

- 1** Wisconsin Driftless Division
- 2** Rock River Hill Country Division
  - a Freeport Section
  - b Oregon Section
- 3** Northeastern Morainal Division
  - a Marinal Section
  - b Lake Michigan Dunes Section
  - c Chicago Lake Plain Section
  - d Winnebago Drift Section
- 4** Grand Prairie Division
  - a Grand Prairie Section
  - b Springfield Section
  - c Western Section
  - d Green River Lowland Section
  - e Kankakee Sand Area Section
- 5** Upper Mississippi River and Illinois River Bottomlands Division
  - a Illinois River Section
  - b Mississippi River Section
- 6** Illinois River and Mississippi River Sand Areas Division
  - a Illinois River Section
  - b Mississippi River Section
- 7** Western Forest-Prairie Division
  - a Galesburg Section
  - b Carlinville Section
- 8** Middle Mississippi Border Division
  - a Glaciated Section
  - b Driftless Section
- 9** Southern Till Plain Division
  - a Effingham Plain Section
  - b Mt Vernon Hill Country Section
- 10** Wabash Border Division
  - a Bottomlands Section
  - b Southern Uplands Section
  - c Vermilion River Section
- 11** Ozark Division
  - a Northern Section
  - b Central Section
  - c Southern Section
- 12** Lower Mississippi River Bottomlands Division
  - a Northern Section
  - b Southern Section
- 13** Shawnee Hills Division
  - a Greater Shawnee Hills Section
  - b Lesser Shawnee Hills Section
- 14** Coastal Plain Division
  - a Cretaceous Hills Section
  - b Bottomlands Section

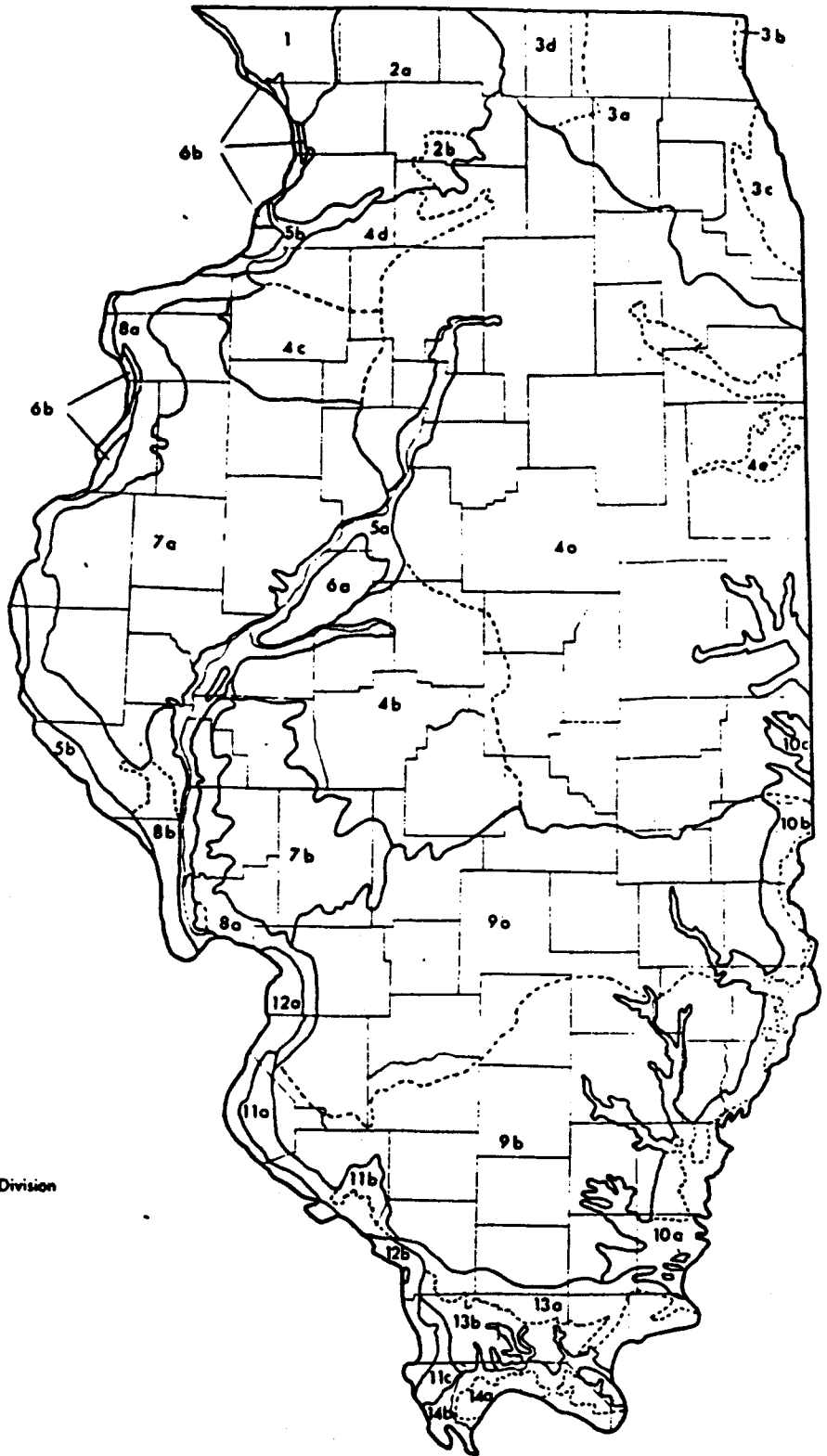


Figure 3. The natural divisions of Illinois as proposed in Schwegman (1973)

**Compendium of 143 Illinois Lakes:  
Bathymetry, physico-chemical features, and  
habitats**

**Volume 1 - Lakes in Regions 1, 2 and 3**

**Illinois Natural History Survey  
Aquatic Ecology Technical Report 93/9 (1)**

**Douglas J. Austen, James T. Peterson, Barry Newman,  
Stephen T. Sobaski & Peter B. Bayley**

# ARGYLE LAKE

County: MC DONOUGH  
 Latitude: 402706  
 Longitude: 904722

Township: T5N  
 Range: R3W  
 Section: 6

IDOC Region: 1  
 IDOC District: 3  
 IDOC Lake Number: 28  
 STORET Code: RD-AO5-E  
 IDOC Lake Class: ST  
 Lake Origin: AA  
 Natural Division: 7A

Surface Area (ha): 32.6  
 Surface Area (acres): 78.3  
 Mean Depth (m): 4.88  
 Maximum Depth (m): 11.27  
 Shore Length (km): 7.61  
 Shoreline Dev. Index: 3.76

Year Constructed: 1949

USGS 7.5' Quad: COLCHESTER  
 Major River Basin: ILLINOIS  
 Inflowing Stream: INT  
 Outflowing Stream: INT>LAMOLING>ILLINOIS

**Typical Water Chemistry:**

Secchi Disk Depth (cm): 1133  
 Conductivity (umhos): 312  
 Total Alkalinity (mg/l): 121  
 pH: 8.733

Watershed Area (ha): 1697  
 Storage Cap. (1000 m<sup>3</sup>): 1594.58  
 Retention Time (yrs): 0.6  
 Volume Dev. Index: 3.1

Maximum Length (km): 1.12  
 Maximum Width (km): 1.6  
 Inshore Mean Depth (m): 2.5  
 Pool Elevation (m msl): 186.2

**Climatic Information:**

Growing Season (days): 179  
 Growing Deg. Days (50°F base): 3590

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

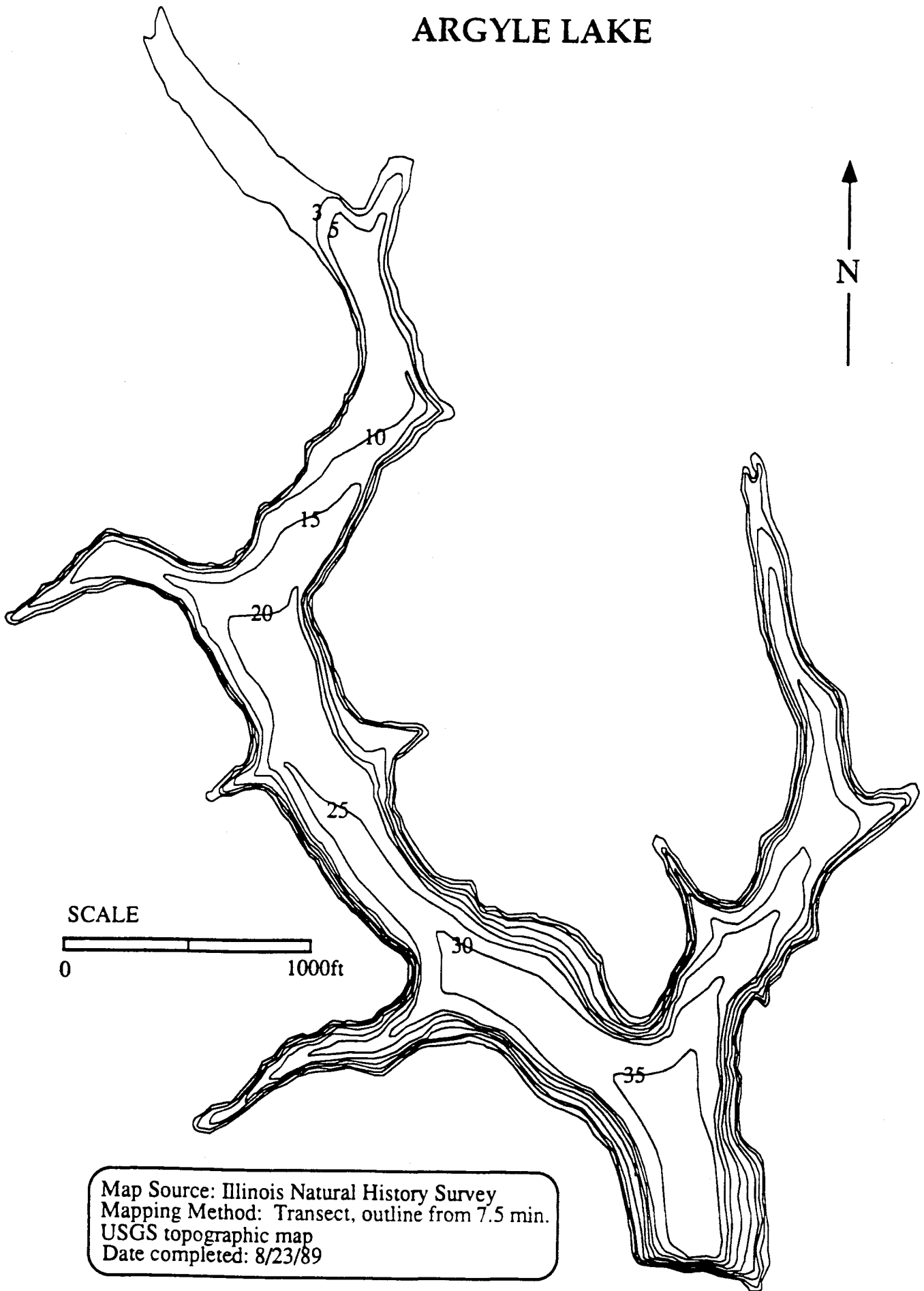
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
D/C/1	7	
R/B/0	2	2
W/C/2	91	38

**Fish Species Present in Lake (based on IDOC sampling):**

- Black Bullhead
- Black Crappie
- Bluegill
- Bluegill X Redear
- Channel Catfish
- Golden Shiner
- Green Sunfish
- Largemouth Bass
- Pumpkinseed
- Redear Sunfish
- Tiger Muskellunge

**Notes and Comments:**

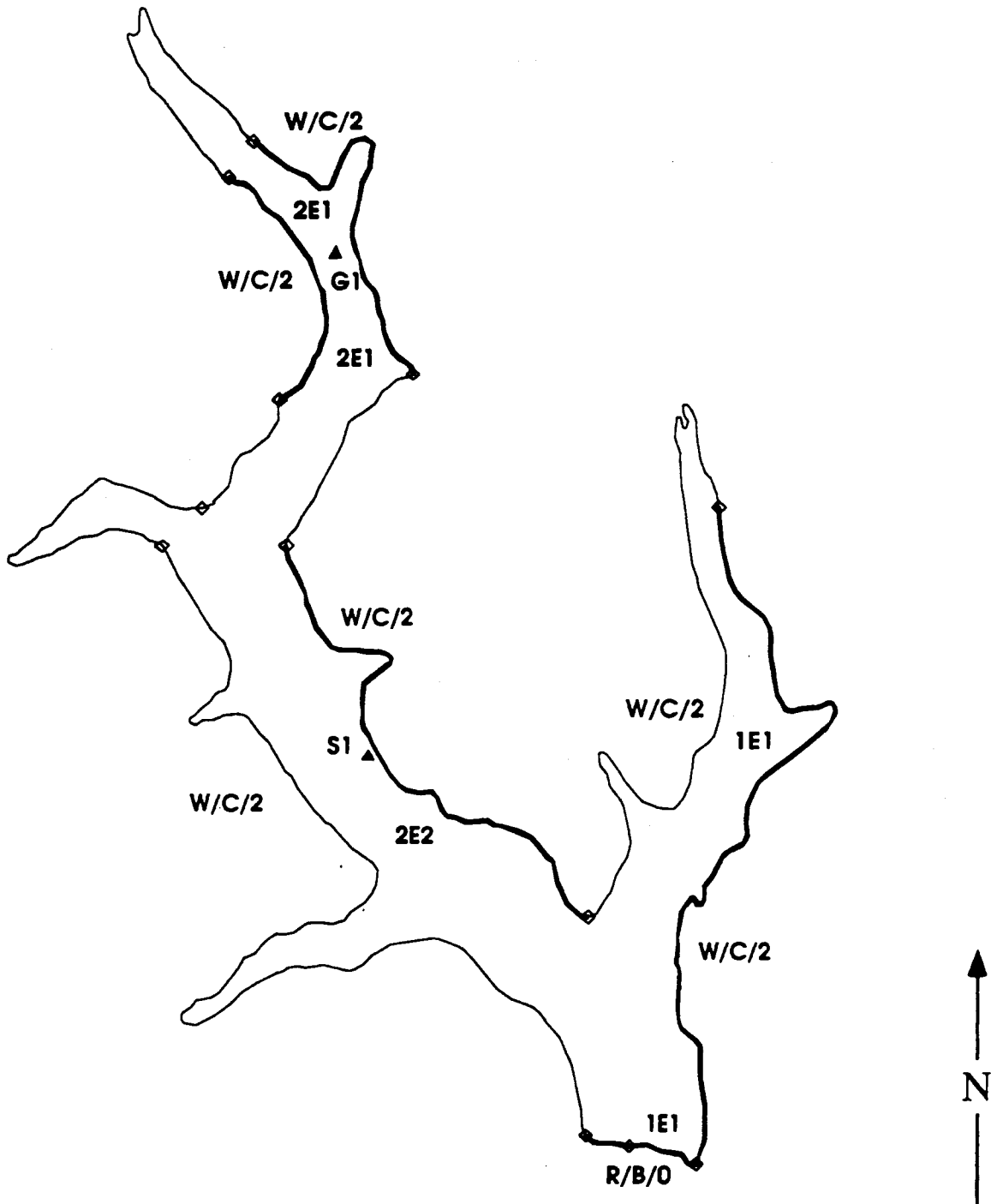
# ARGYLE LAKE



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from 7.5 min.  
USGS topographic map  
Date completed: 8/23/89



# ARGYLE LAKE



**Habitat Codes** (given as a three character code: Habitat/Substrate/Hard Cover)

Habitat:

W = Woody debris  
 E = Emergent vegetation  
 R = Rip rap  
 O = Open area  
 D = Docks  
 T = Retaining wall or dam face  
 U = Unknown

Substrate:

M = Mud or silt  
 C = Clay  
 S = Sand  
 G = Gravel  
 B = Rock or boulder  
 U = Unknown

Hard Cover Rating:

0 = 0% woody debris and no docks.  
 1 = 0% woody debris with docks or  
 1-33% woody debris.  
 2 = 1-33% woody debris with many docks  
 or 34-66% woody debris.  
 3 = 34-66% woody debris with many docks  
 or greater than 67% woody debris.

Information compiled by the Illinois Natural History Survey, completed 8/23/89

# LAKE ATWOOD

County: MCHENRY  
 Latitude: 421344  
 Longitude: 881532

Township: T43N  
 Range: R8E  
 Section: 2,1

IDOC Region: 2  
 IDOC District: 5  
 IDOC Lake Number: 70  
 STORET Code: VT-B02-S  
 IDOC Lake Class: PU  
 Lake Origin:  
 Natural Division: 3A-

Surface Area (ha): 8.5  
 Surface Area (acres): 20.4  
 Mean Depth (m): 4.057  
 Maximum Depth (m): 8.839  
 Shore Length (km): 1.985  
 Shoreline Dev. Index: 1.92

Year Constructed: 1974

USGS 7.5' Quad: CRYSTAL LAKE  
 Major River Basin: FOX  
 Inflowing Stream: NONE(GRAVEL PIT)  
 Outflowing Stream: NONE

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 396  
 Conductivity (umhos): 681  
 Total Alkalinity (mg/l): 191  
 pH: 7.5

Watershed Area (ha): 23  
 Storage Cap. (1000 m<sup>3</sup>): 344.55  
 Retention Time (yrs): 7.4  
 Volume Dev. Index: 1.38

Maximum Length (km): 0.451  
 Maximum Width (km): 0.39  
 Inshore Mean Depth (m): 4.7  
 Pool Elevation (m msl): 259.4

**Climatic Information:**  
 Growing Season (days): 158  
 Growing Deg. Days (50°F base): 2694

## Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

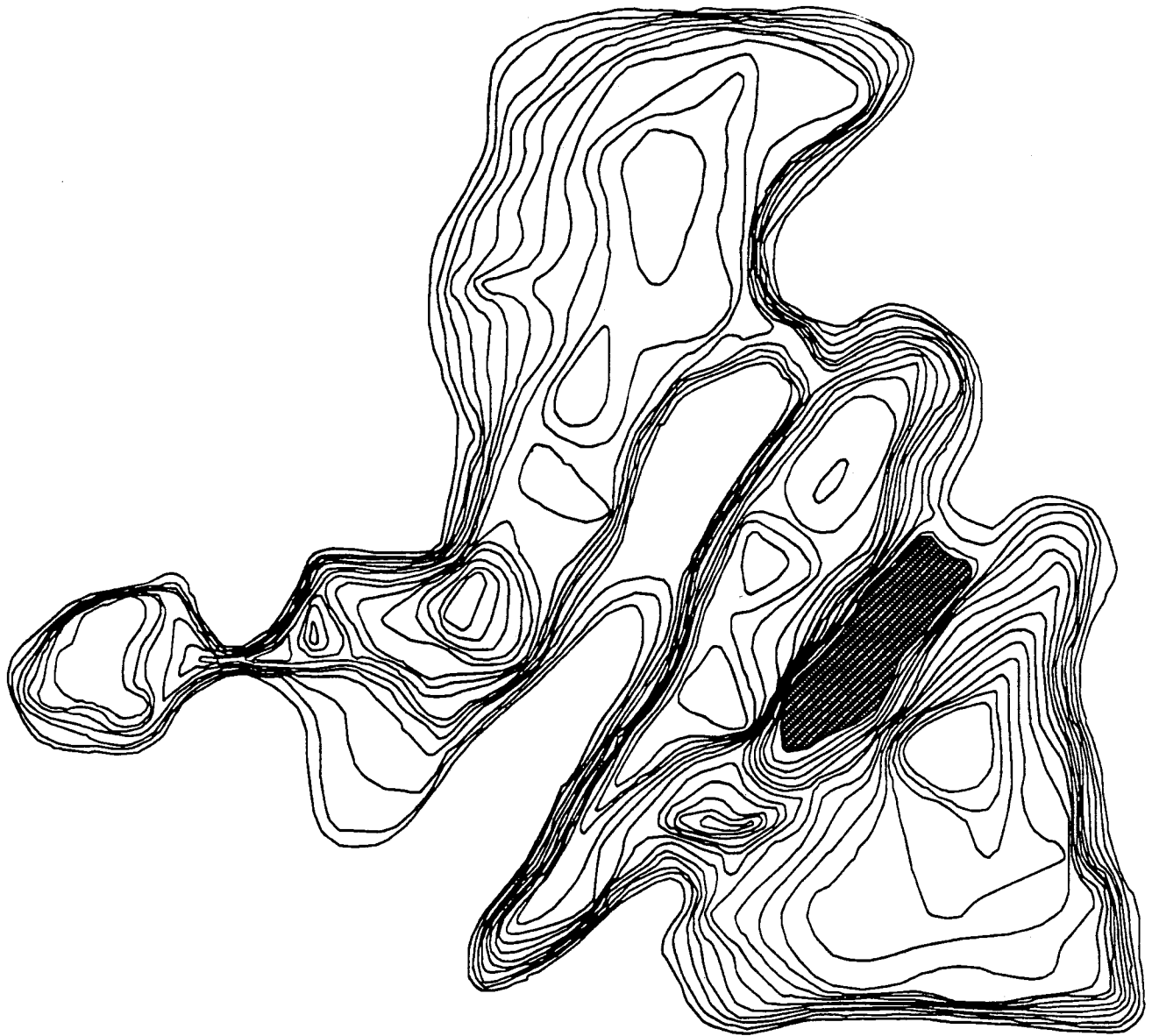
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
O/S/0	87	78
W/S/1	13	8

## Fish Species Present in Lake (based on IDOC sampling):

Bluegill  
 Channel Catfish  
 Grass Pickerel  
 Green Sunfish  
 Lake Chubsucker  
 Largemouth Bass  
 Rainbow Trout  
 Smallmouth Bass

**Notes and Comments:**

# LAKE ATWOOD



SCALE



0

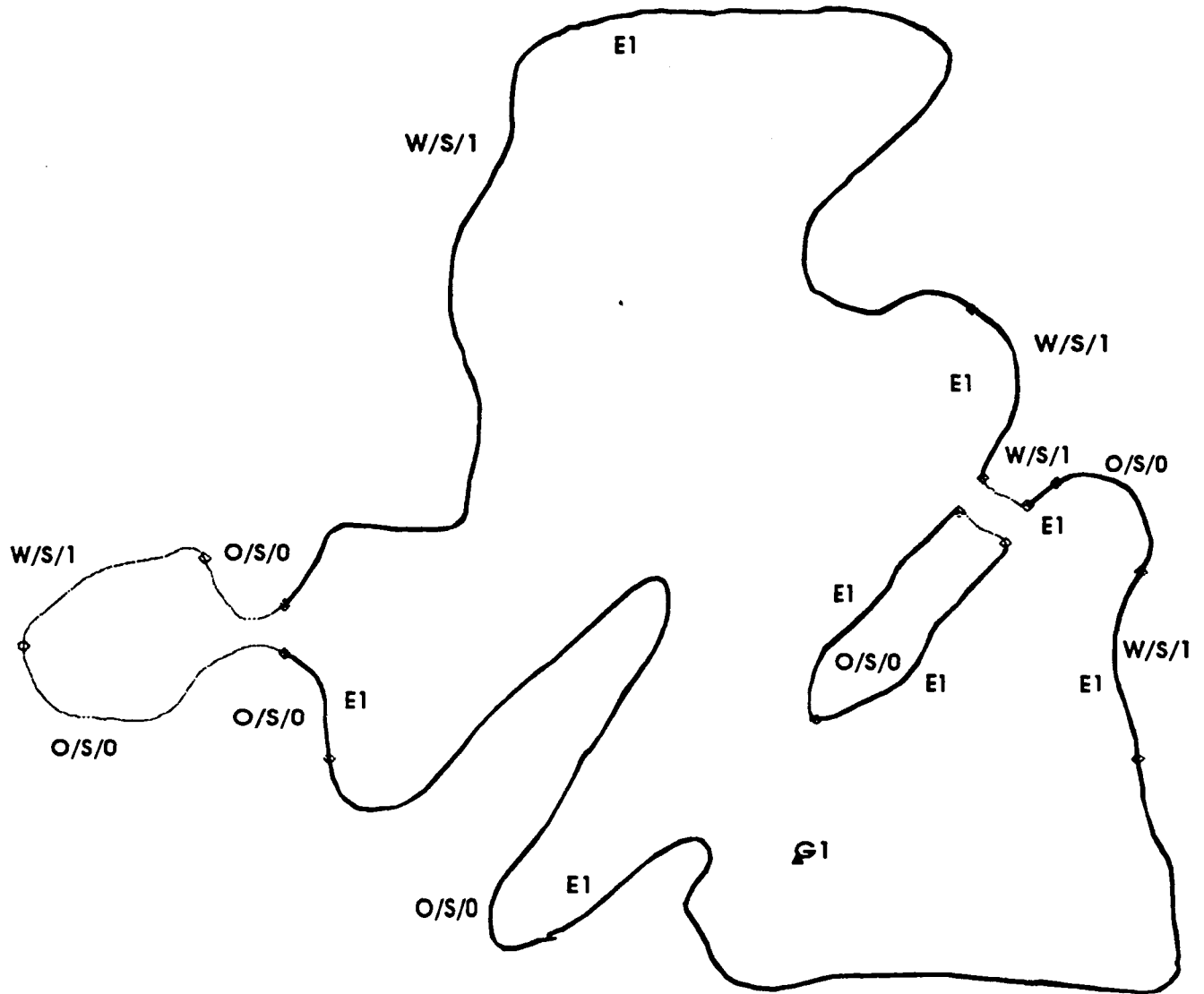
CONTOUR INTERVAL 2ft

500ft

Map Source: Lake Co. Forest Preserve Dist.  
Mapping Method: Basin plan  
Date completed: 1988



# LAKE ATWOOD



**Habitat Codes** (given as a three character code: Habitat/Substrate/Hard Cover)

<u>Habitat:</u>	<u>Substrate:</u>	<u>Hard Cover Rating:</u>
W = Woody debris	M = Mud or silt	0 = 0% woody debris and no docks.
E = Emergent vegetation	C = Clay	1 = 0% woody debris with docks or 1-33% woody debris.
R = Rip rap	S = Sand	2 = 1-33% woody debris with many docks or 34-66% woody debris.
O = Open area	G = Gravel	3 = 34-66% woody debris with many docks or greater than 67% woody debris.
D = Docks	B = Rock or boulder	
T = Retaining wall or dam face	U = Unknown	
U = Unknown		

Information compiled by the Illinois Natural History Survey, completed 10/29/86

# BIG LAKE

County: KENDALL  
 Latitude: 413753  
 Longitude: 883133

Township: T36N  
 Range: R6E  
 Section: 2

IDOC Region: 2  
 IDOC District: 7  
 IDOC Lake Number: 55  
 Storet Code: VT-B04-P  
 IDOC Lake Class: ST  
 Lake Origin:  
 Natural Division: 4A

Surface Area (ha): 9.0  
 Surface Area (acres): 21.6  
 Mean Depth (m): 3.61  
 Maximum Depth (m): 6.4  
 Shore Length (km): 1.49  
 Shoreline Dev. Index: 1.39

Year Constructed: 1960

USGS 7.5' Quad: PLANO  
 Major River Basin: FOX RIVER  
 Inflowing Stream: NONE  
 Outflowing Stream: NONE (GRAVEL PIT)

**Typical Water Chemistry:**

Secchi Disk Depth (cm): 610  
 Conductivity (umhos): 432  
 Total Alkalinity (mg/l): 230  
 pH: 7.9

Watershed Area (ha): 10  
 Storage Cap. (1000 m<sup>3</sup>): 324.44  
 Retention Time (yrs): 15.5  
 Volume Dev. Index: 1.69

Maximum Length (km): 0.578  
 Maximum Width (km): 0.299  
 Inshore Mean Depth (m): 3  
 Pool Elevation (m msl): 178.3

**Climatic Information:**

Growing Season (days): 163  
 Growing Deg. Days (50°F base): 3038

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

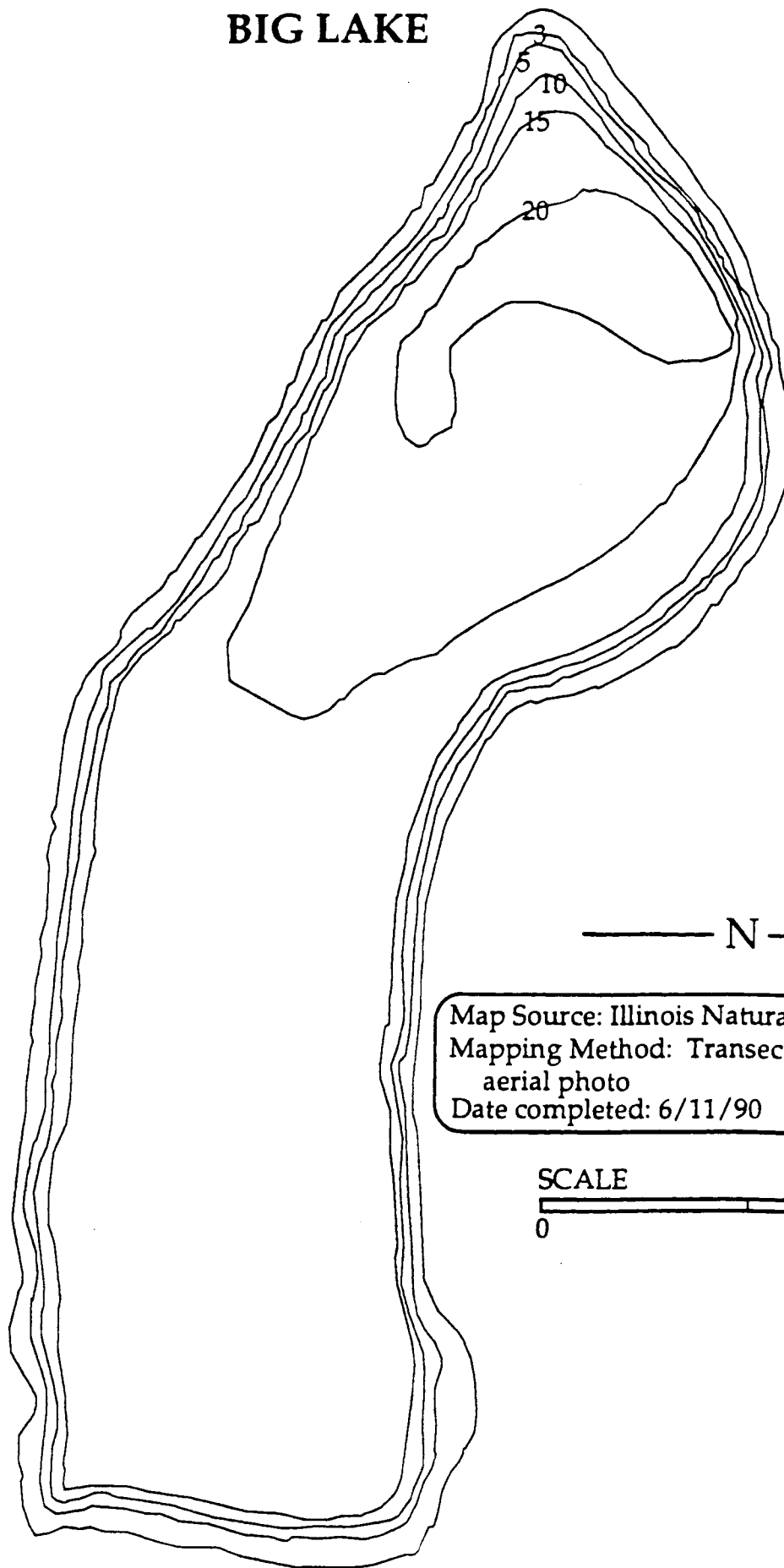
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
D/S/1	1	1
O/S/0	75	75
T/S/0	22	22
W/S/2	3	3

**Fish Species Present in Lake (based on IDOC sampling):**

Black Bullhead	Walleye
Black Crappie	White Bass
Bluegill	White Crappie
Bluntnose Minnow	White Sucker
Carp	
Channel Catfish	
Green Sunfish	
Green Sunfish X Bluegill	
Largemouth Bass	
Pumpkinseed	
Redear Sunfish	
Smallmouth Bass	

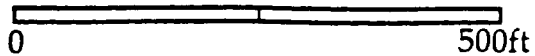
**Notes and Comments:**

# BIG LAKE



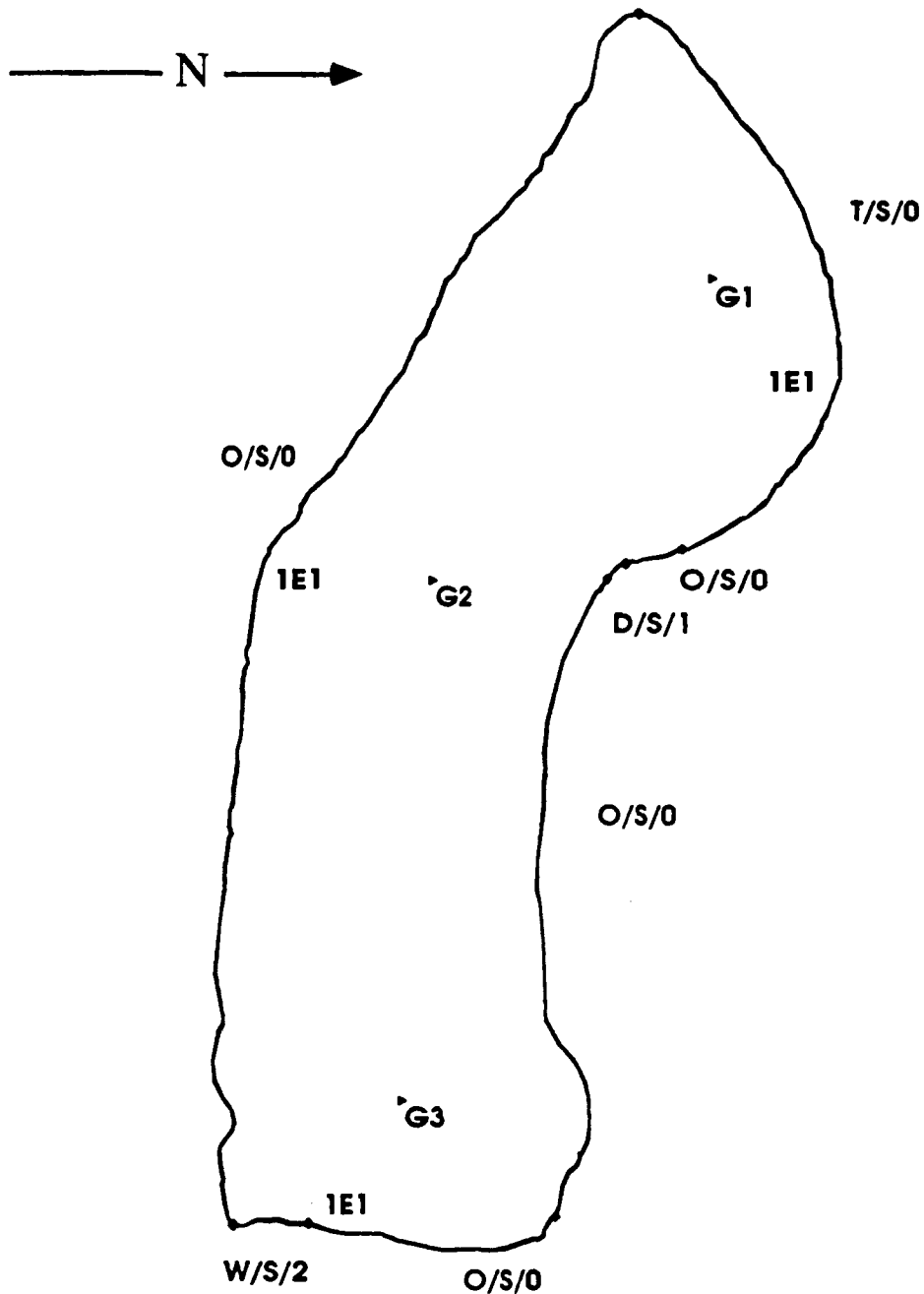
Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from ASCS  
aerial photo  
Date completed: 6/11/90

SCALE





# BIG LAKE



**Habitat Codes** (given as a three character code: Habitat/Substrate/Hard Cover)

Habitat:

W = Woody debris  
 E = Emergent vegetation  
 R = Rip rap  
 O = Open area  
 D = Docks  
 T = Retaining wall or dam face  
 U = Unknown

Substrate:

M = Mud or silt  
 C = Clay  
 S = Sand  
 G = Gravel  
 B = Rock or boulder  
 U = Unknown

Hard Cover Rating:

0 = 0% woody debris and no docks.  
 1 = 0% woody debris with docks or  
 1-33% woody debris.  
 2 = 1-33% woody debris with many docks  
 or 34-66% woody debris.  
 3 = 34-66% woody debris with many docks  
 or greater than 67% woody debris.

Information compiled by the Illinois Natural History Survey, completed 6/11/90

# BLUFF LAKE

## (Fox Chain of Lakes)

County: LAKE  
 Latitude: 422733  
 Longitude: 880730

Township: T46N  
 Range: R9E  
 Section: 24

IDOC Region: 2  
 IDOC District: 6  
 IDOC Lake Number:  
 STORET Code: VT-BO1-J  
 IDOC Lake Class: -  
 Lake Origin: NG  
 Natural Division: 3A

Surface Area (ha): 38.5  
 Surface Area (acres): 92.4  
 Mean Depth (m): 4.29  
 Maximum Depth (m): 8.84  
 Shore Length (km): 4.08  
 Shoreline Dev. Index: 1.85

Year Constructed:

USGS 7.5' Quad: FOX LAKE\*  
 Major River Basin: FOX  
 Inflowing Stream: TRIB FROM L. MARIE  
 Outflowing Stream: OUTFLOW TO PETITE L.

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 47  
 Conductivity (umhos): 581  
 Total Alkalinity (mg/l): 237  
 pH: 8.0

Watershed Area (ha): 243  
 Storage Cap. (1000 m<sup>3</sup>): 1654.04  
 Retention Time (yrs): 3.4  
 Volume Dev. Index: 1.45

Maximum Length (km): 0.9  
 Maximum Width (km): 0.94  
 Inshore Mean Depth (m): 1.8  
 Pool Elevation (m msl): 224.9

**Climatic Information:**  
 Growing Season (days): 158  
 Growing Deg. Days (50°F base): 2694

### Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

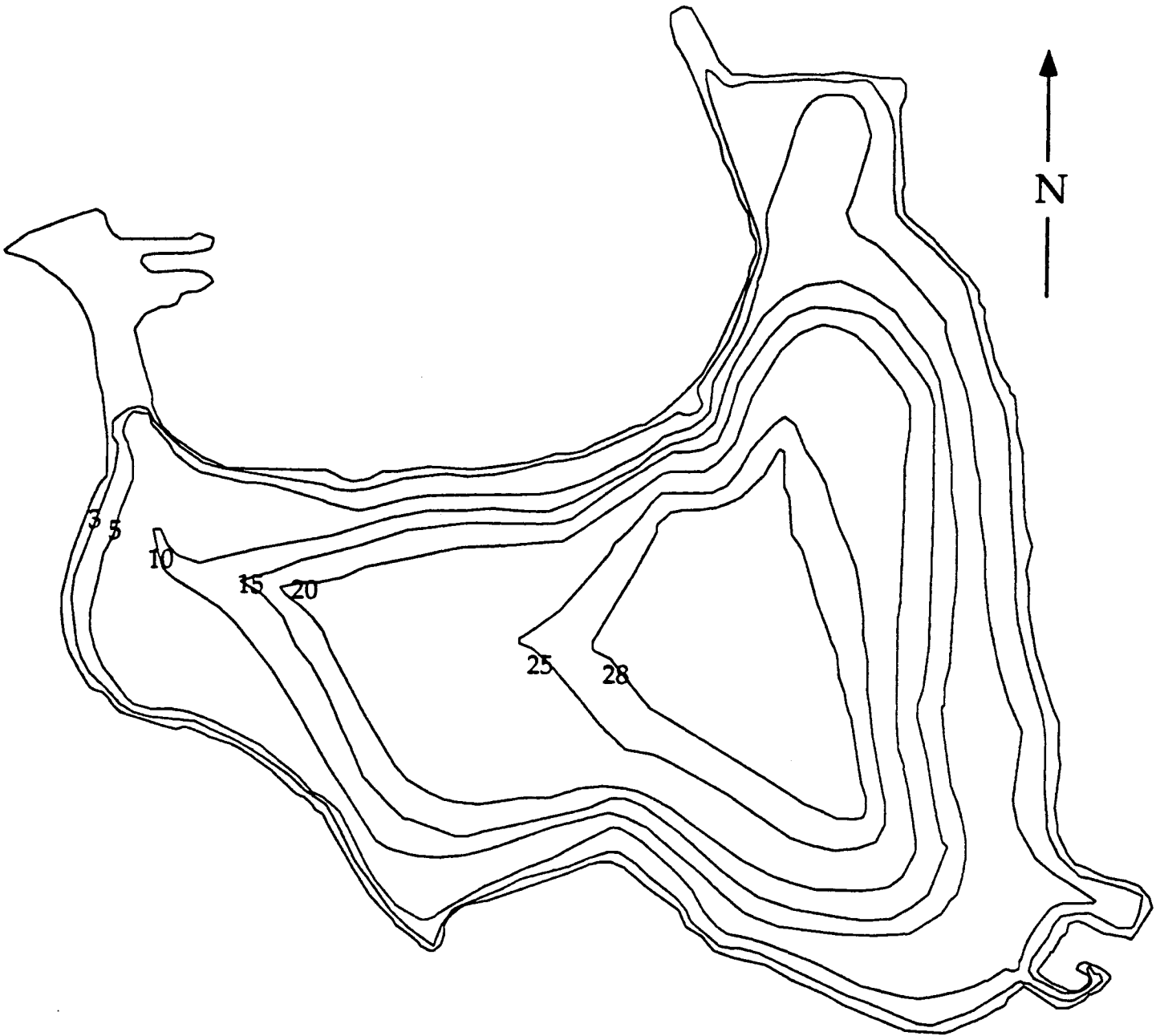
<u>Habitat Type</u>	<u>Percent of Total Shoreline</u>	<u>Percent of Total Shoreline Sampled by Electrofishing</u>
T/G/1	97	
U/U/0	3	

**Fish Species Present in Lake (based on IDOC sampling):**

N/A

**Notes and Comments:**

# BLUFF LAKE



SCALE

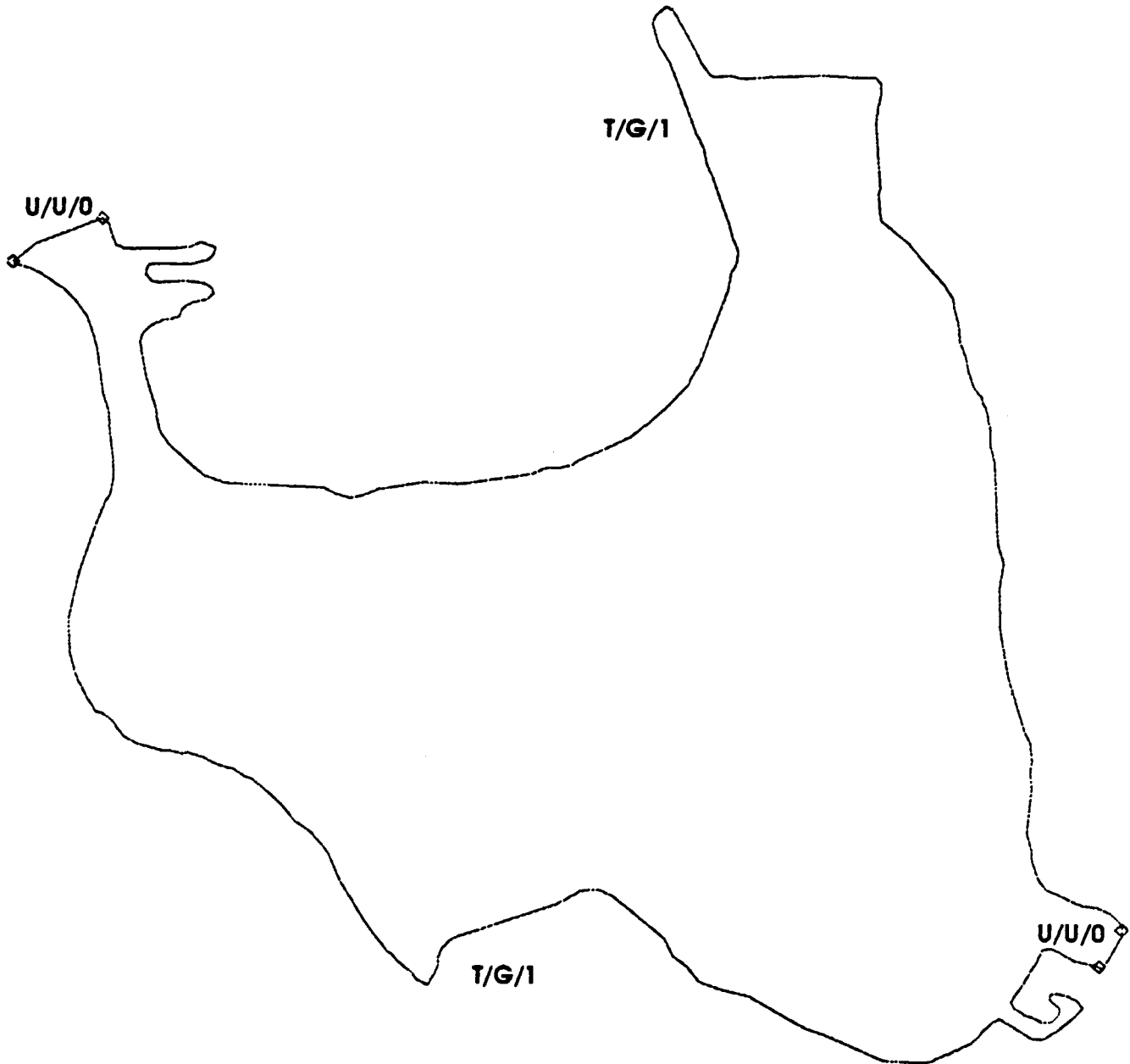


0

1000ft

Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from 7.5 min.  
USGS topographic map  
Date completed: 5/4/89

# BLUFF LAKE



## Habitat Codes (given as a three character code: Habitat/Substrate/Hard Cover)

### Habitat:

W = Woody debris  
 E = Emergent vegetation  
 R = Rip rap  
 O = Open area  
 D = Docks  
 T = Retaining wall or dam face  
 U = Unknown

### Substrate:

M = Mud or silt  
 C = Clay  
 S = Sand  
 G = Gravel  
 B = Rock or boulder  
 U = Unknown

### Hard Cover Rating:

0 = 0% woody debris and no docks.  
 1 = 0% woody debris with docks or 1-33% woody debris.  
 2 = 1-33% woody debris with many docks or 34-66% woody debris.  
 3 = 34-66% woody debris with many docks or greater than 67% woody debris.

Information compiled by the Illinois Natural History Survey, completed 5/4/89

# BRAIDWOOD LAKE

County: WILL  
 Latitude: 411353  
 Longitude: 881214

Township: T32N  
 Range: R9E  
 Section: 3,4,9,10

IDOC Region: 2  
 IDOC District: 7  
 IDOC Lake Number: 62  
 Store Code: RF-B02-C  
 IDOC Lake Class: PR  
 Lake Origin: AD  
 Natural Division: 4A

Surface Area (ha): 933.9  
 Surface Area (acres): 2241.3  
 Mean Depth (m): 2.67  
 Maximum Depth (m): 24.69  
 Shore Length (km): 24.12  
 Shoreline Dev. Index: 2.22

Year Constructed: 1981

USGS 7.5' Quad: ESSEX\*  
 Major River Basin: KANKAKEE  
 Inflowing Stream: PUMPED FROM KANK R  
 Outflowing Stream: PUMPED TO KANK R

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 61  
 Conductivity (umhos): 954  
 Total Alkalinity (mg/l): 157  
 pH: 8.8

Watershed Area (ha): 243  
 Storage Cap. (1000 m<sup>3</sup>): 24965.24  
 Retention Time (yrs): N/A  
 Volume Dev. Index: 0.32

Maximum Length (km): 3.95  
 Maximum Width (km): 4.56  
 Inshore Mean Depth (m): 1.13  
 Pool Elevation (m msl): 181.4

**Climatic Information:**  
 Growing Season (days): 174  
 Growing Deg. Days (50°F base): 3126

## Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

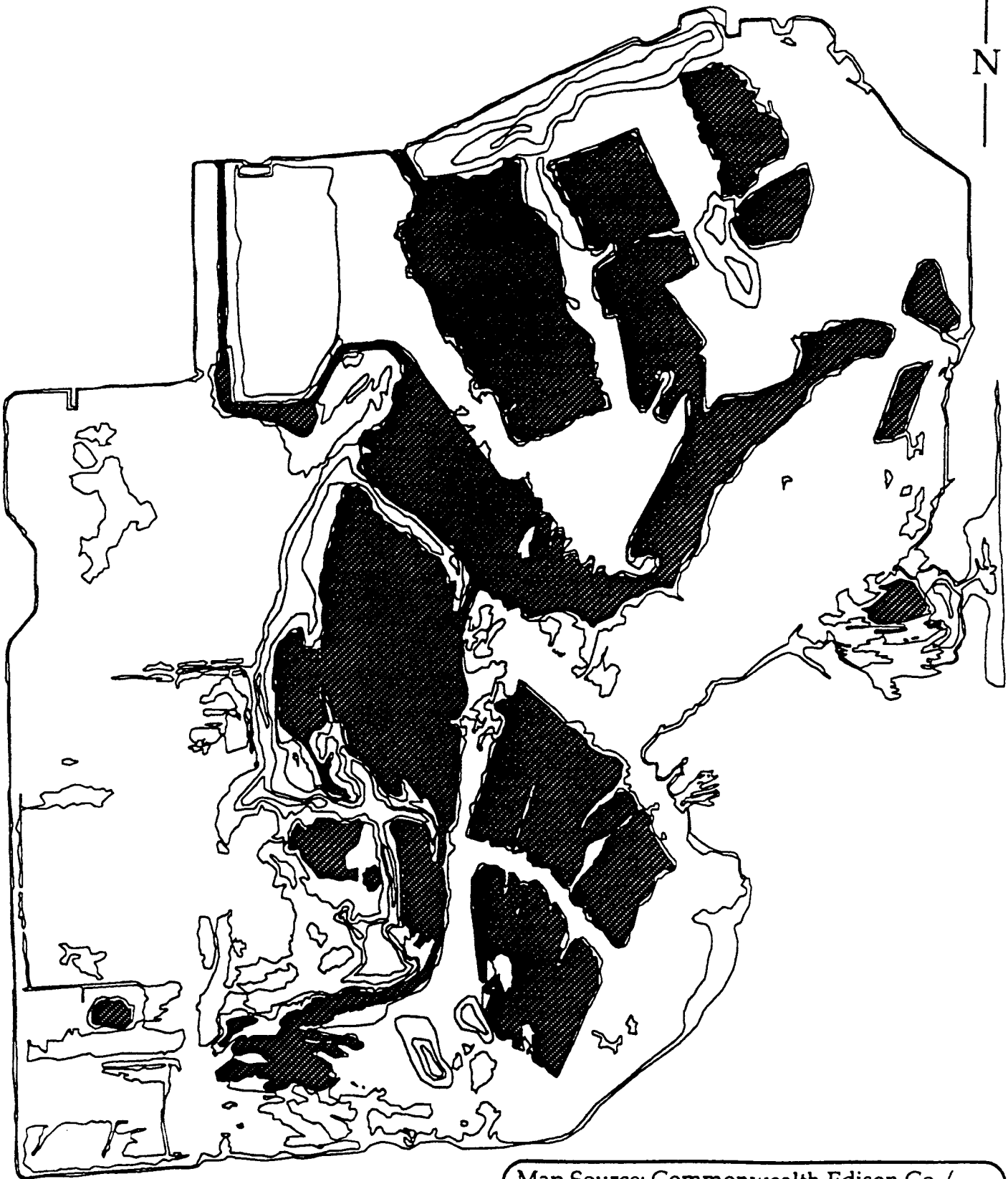
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
E/C/1	9	2
E/C/0	68	33
O/C/0	2	1
R/B/0	21	13
T/U/0	1	

## Fish Species Present in Lake (based on IDOC sampling):

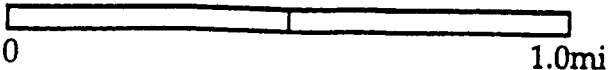
Black Bullhead	Ghost Shiner	Rock Bass
Black Crappie	Gizzard Shad	Sand Shiner
Blackstripe Topminnow	Shorthead Redhorse	Silver Redhorse
Bluegill	Golden Redhorse	Slenderhead Darter
Bluntnose Minnow	Grass Pickerel	Smallmouth Bass
Brook Silverside	Green Sunfish	Spotfin Shiner
Carp	Hybrid Striped Bass	Spottail Shiner
Channel Catfish	Largemouth Bass	Striped Bass
Common Shiner	Logperch	Tiger Muskellunge
Emerald Shiner	Longear Sunfish	Walleye
Fathead Minnow	Orangespotted Sunfish	White Crappie
Freshwater Drum	Redear Sunfish	

## Notes and Comments:

# BRAIDWOOD LAKE



SCALE

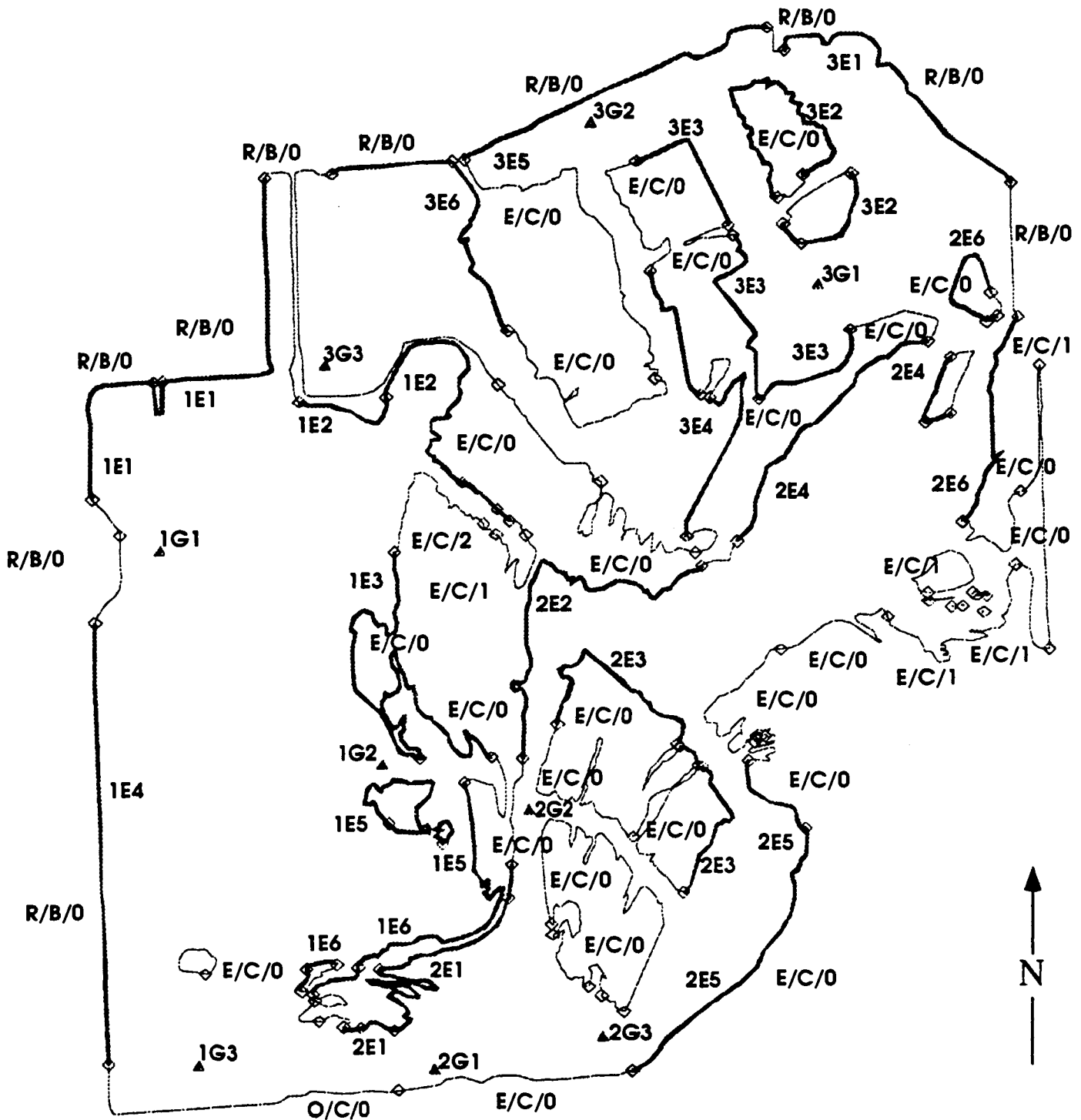


COUNTOURS AT 5, 10, 30, & 50ft

Map Source: Commonwealth Edison Co./  
Illinois Natural History Survey  
Mapping Method: Pre-impoundment Survey/  
Transect update  
Date completed: 12/78 & 8/4/89



# BRAIDWOOD LAKE



**Habitat Codes** (given as a three character code: Habitat/Substrate/Hard Cover)

<u>Habitat:</u>	<u>Substrate:</u>	<u>Hard Cover Rating:</u>
W = Woody debris	M = Mud or silt	0 = 0% woody debris and no docks.
E = Emergent vegetation	C = Clay	1 = 0% woody debris with docks or 1-33% woody debris.
R = Rip rap	S = Sand	2 = 1-33% woody debris with many docks or 34-66% woody debris.
O = Open area	G = Gravel	3 = 34-66% woody debris with many docks or greater than 67% woody debris.
D = Docks	B = Rock or boulder	
T = Retaining wall or dam face	U = Unknown	
U = Unknown		

Information compiled by the Illinois Natural History Survey, completed 8/4/89

# CANTON LAKE

County: FULTON  
 Latitude: 403352  
 Longitude: 895821

IDOC Region: 1  
 IDOC District: 3  
 IDOC Lake Number: 27  
 STORET Code: RD-BO5-D  
 IDOC Lake Class: -  
 Lake Origin: AA  
 Natural Division: 7A

Surface Area (ha): 91.7  
 Surface Area (acres): 220.0  
 Mean Depth (m): 3.719  
 Maximum Depth (m): 9.45  
 Shore Length (km): 12.55  
 Shoreline Dev. Index: 3.69

Year Constructed: 1939

Watershed Area (ha): 3937  
 Storage Cap. (1000 m<sup>3</sup>): 3409.48  
 Retention Time (yrs): 0.5  
 Volume Dev. Index: 1.18

USGS 7.5' Quad: CANTON/BANNER  
 Major River Basin: ILLINOIS  
 Inflowing Stream: W BR COPPERAS CR  
 Outflowing Stream: SAME>COPPERAS CR>IL R

Maximum Length (km): 2.489  
 Maximum Width (km): 1.91  
 Inshore Mean Depth (m): 1.6  
 Pool Elevation (m msl): 175.9

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 149  
 Conductivity (umhos):  
 Total Alkalinity (mg/l): 121  
 pH: 7.5

**Climatic Information:**  
 Growing Season (days): 180  
 Growing Deg. Days (50°F base): 3551

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

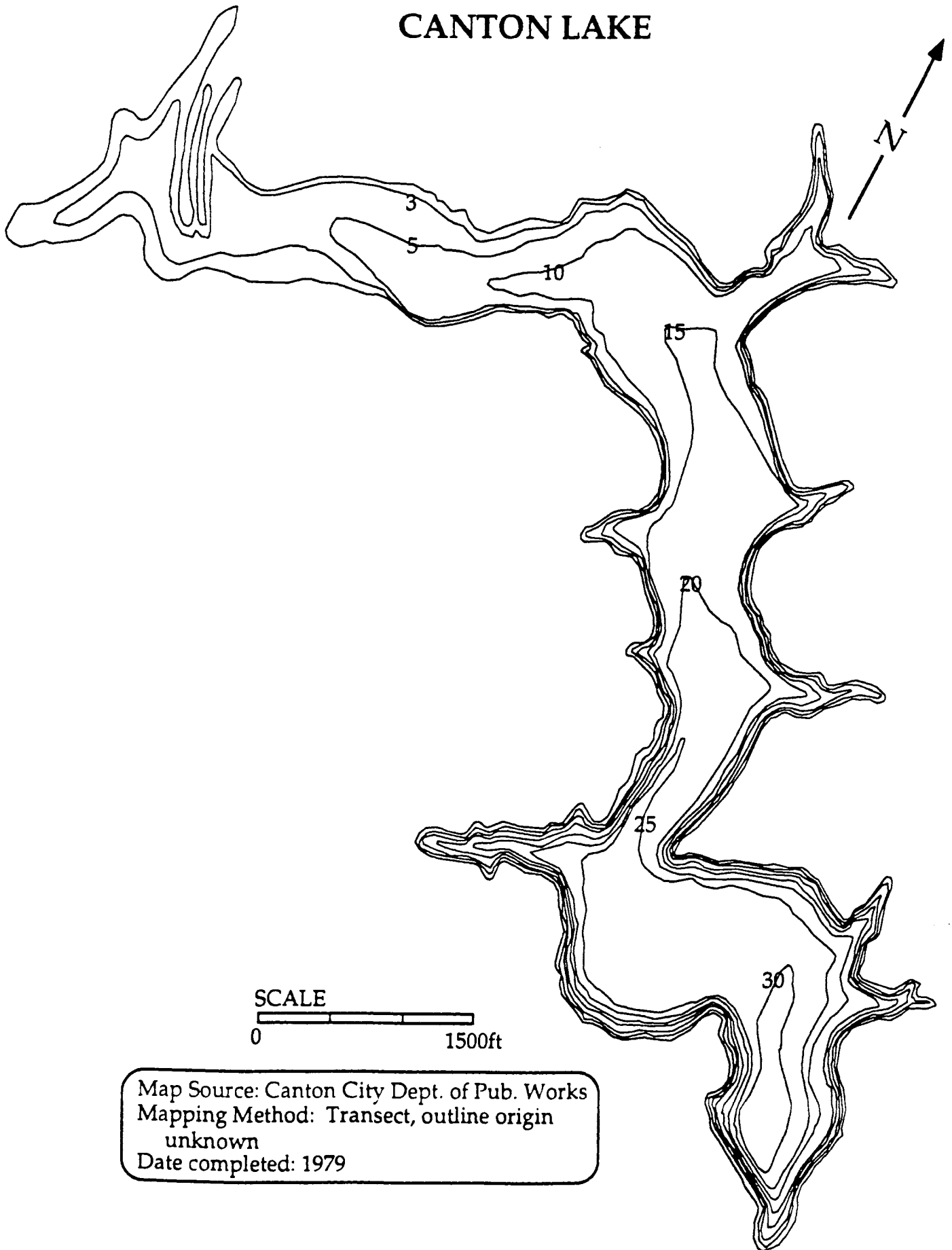
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
E/C/0	6	6
E/C/1	6	5
O/C/0	18	6
R/B/0	4	2
T/C/0	1	
W/C/2	19	11
W/C/3	20	2
W/C/1	25	21

**Fish Species Present in Lake (based on IDOC sampling):**

N/A

**Notes and Comments:**

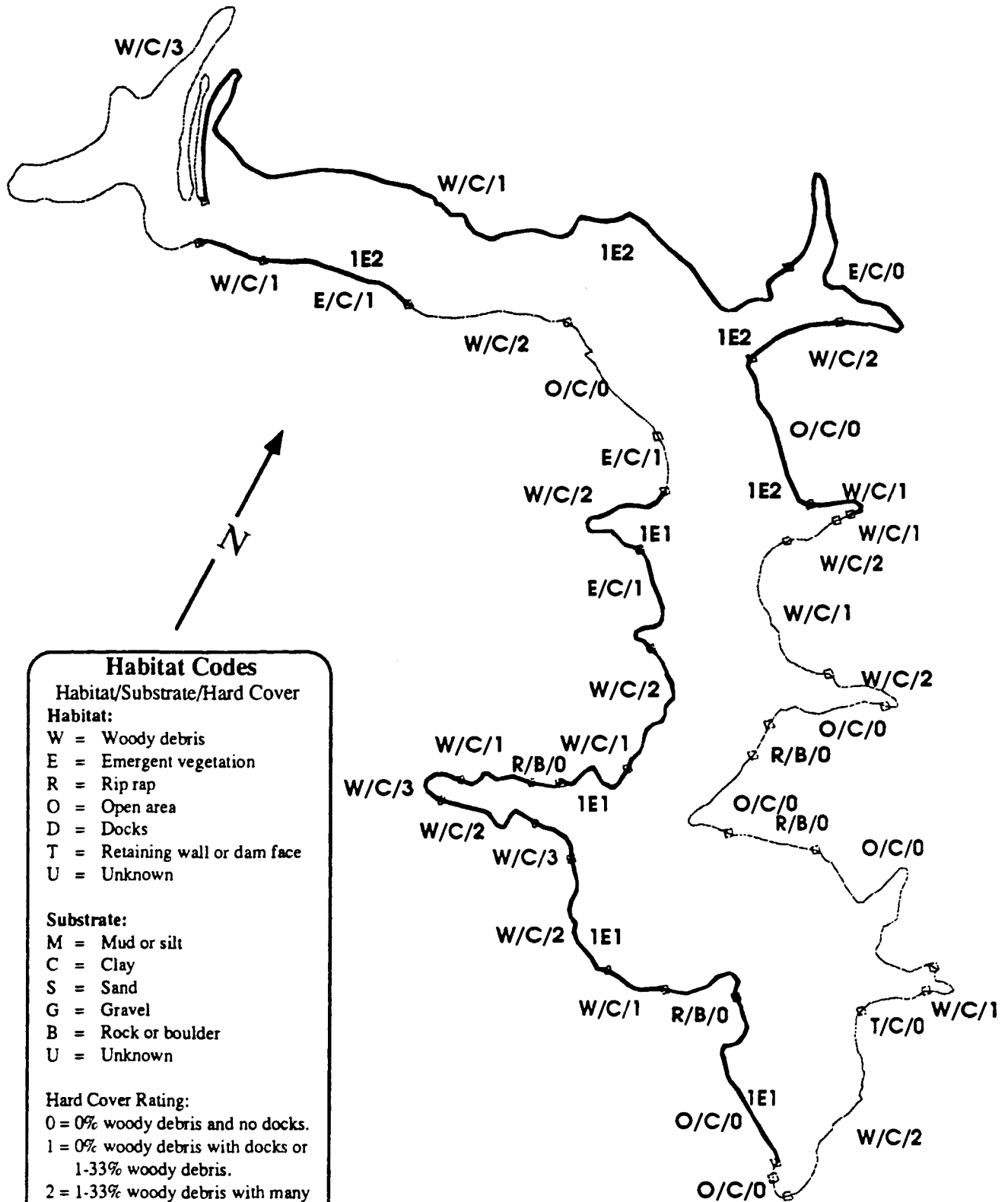
# CANTON LAKE



SCALE  
0 1500ft

Map Source: Canton City Dept. of Pub. Works  
Mapping Method: Transect, outline origin  
unknown  
Date completed: 1979

# CANTON LAKE



**Habitat Codes**  
Habitat/Substrate/Hard Cover

**Habitat:**  
W = Woody debris  
E = Emergent vegetation  
R = Rip rap  
O = Open area  
D = Docks  
T = Retaining wall or dam face  
U = Unknown

**Substrate:**  
M = Mud or silt  
C = Clay  
S = Sand  
G = Gravel  
B = Rock or boulder  
U = Unknown

**Hard Cover Rating:**  
0 = 0% woody debris and no docks.  
1 = 0% woody debris with docks or 1-33% woody debris.  
2 = 1-33% woody debris with many docks or 34-66% woody debris.  
3 = 34-66% woody debris with many docks or > 67% woody debris.

Data compiled by the Illinois Natural History Survey  
Date 1979

# LAKE CARLTON

County: WHITESIDE  
 Latitude: 415045  
 Longitude: 895747

Township: T22N  
 Range: R5E  
 Section: 31

IDOC Region: 1  
 IDOC District: 2  
 IDOC Lake Number: 5  
 Storet Code: RP-B04-F  
 IDOC Lake Class: ST  
 Lake Origin: AA  
 Natural Division: 2A

Surface Area (ha): 29.1  
 Surface Area (acres): 69.8  
 Mean Depth (m): 3.43  
 Maximum Depth (m): 8.23  
 Shore Length (km): 4.43  
 Shoreline Dev. Index: 2.31

Year Constructed: 1969

USGS 7.5' Quad: MORRISON  
 Major River Basin: ROCK  
 Inflowing Stream: INT  
 Outflowing Stream: INT>ROCK CR>ROCK R

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 1636  
 Conductivity (umhos): 288  
 Total Alkalinity (mg/l): 219  
 pH: 5.8

Watershed Area (ha): 573  
 Storage Cap. (1000 m<sup>3</sup>): 996.64  
 Retention Time (yrs): 0.9  
 Volume Dev. Index: 1.24

Maximum Length (km): 0.59  
 Maximum Width (km): 1.19  
 Inshore Mean Depth (m): 2.1  
 Pool Elevation (m msl): 201.5

**Climatic Information:**  
 Growing Season (days): 165  
 Growing Deg. Days (50°F base): 3209

## Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

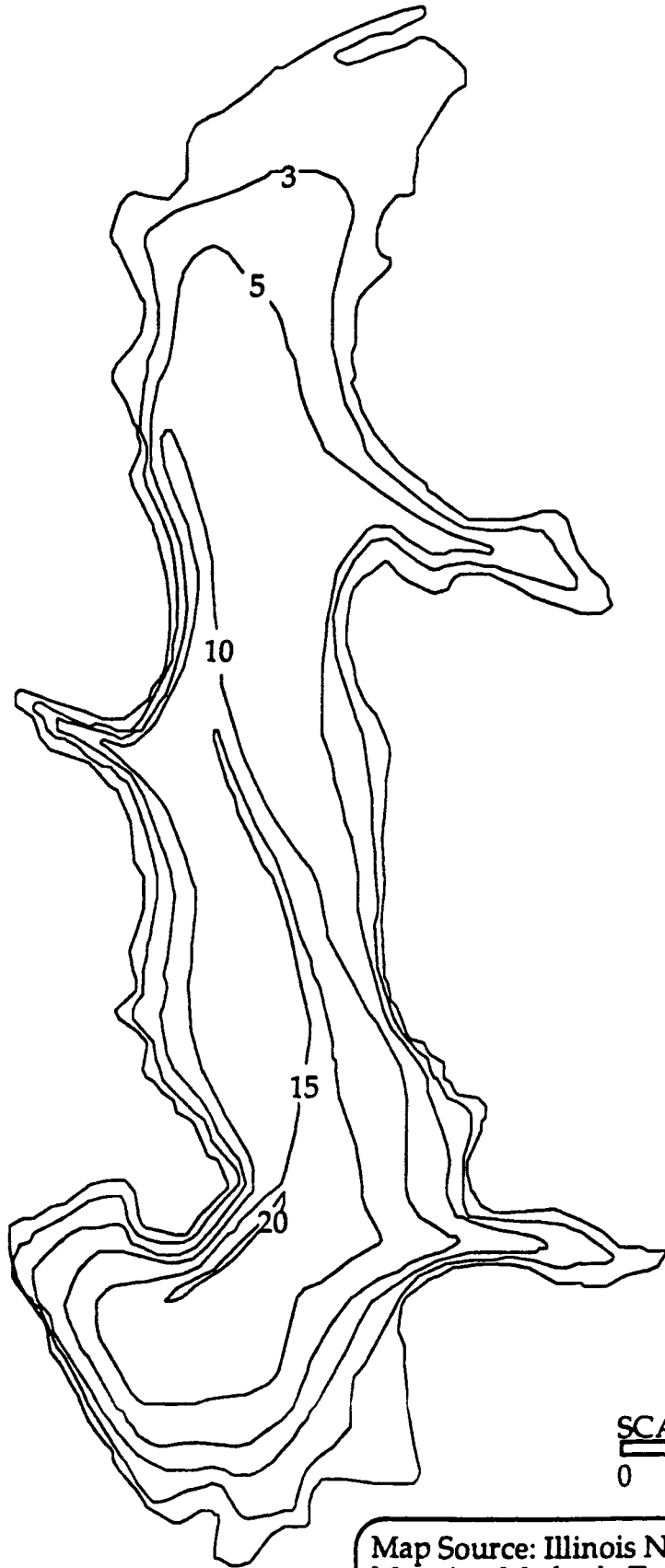
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
D/C/1	8	8
E/S/1	30	5
R/B/0	19	17
W/B/1	13	10
W/S/2	18	10
W/C/2	12	8

## Fish Species Present in Lake (based on IDOC sampling):

Black Bullhead  
 Black Crappie  
 Bluegill  
 Brook Silverside  
 Channel Catfish  
 Golden Shiner  
 Green Sunfish  
 Largemouth Bass  
 Muskellunge  
 Redear Sunfish  
 Walleye

**Notes and Comments:**

# LAKE CARLTON

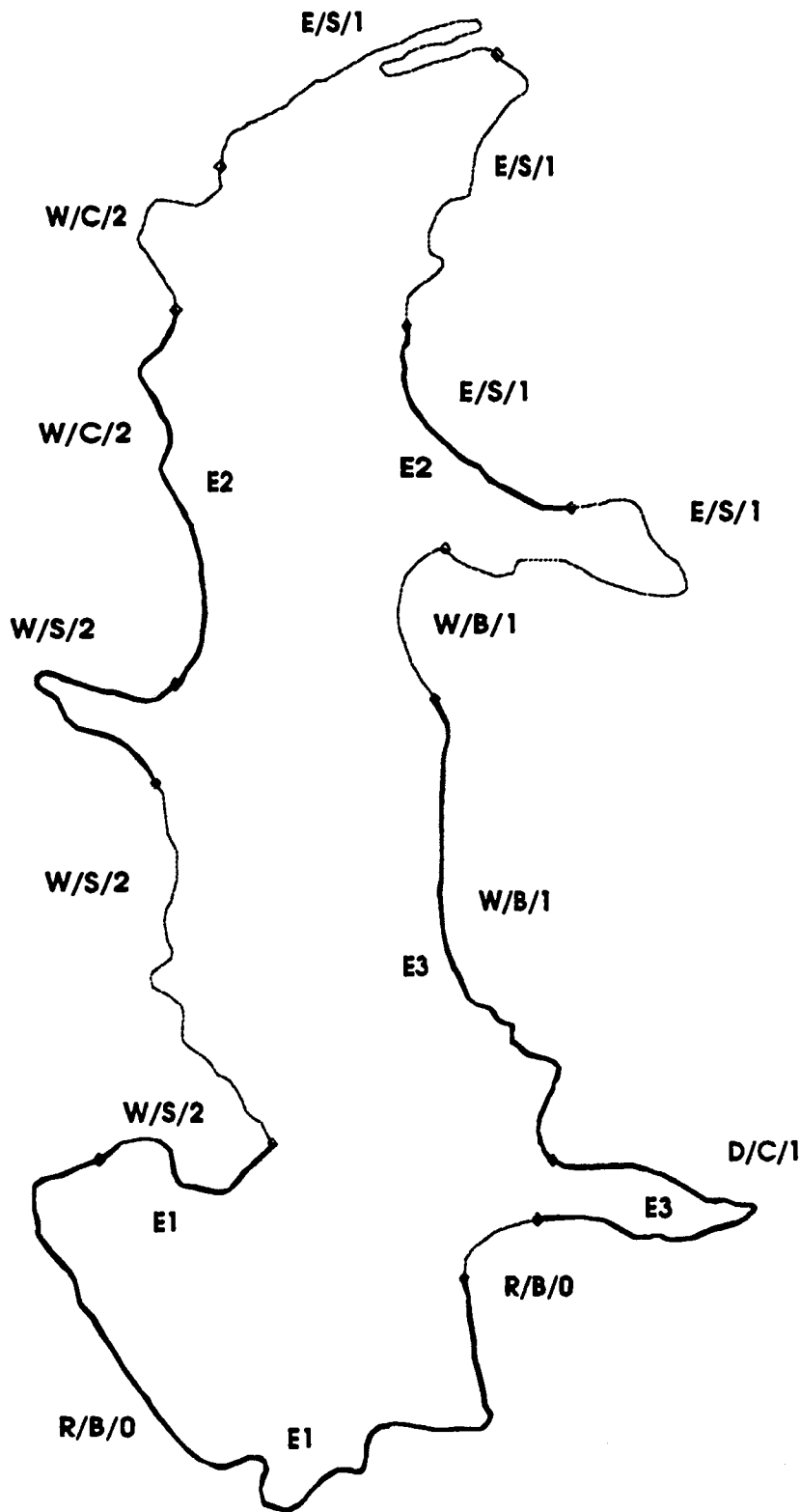


SCALE  
0 500 ft.

Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from 7.5 min.  
USGS topographic map  
Date completed: 9/13/88



# LAKE CARLTON



**Habitat Codes**

**Habitat/Substrate/Hard Cover**

**Habitat:**  
W = Woody debris  
E = Emergent vegetation  
R = Rip rap  
O = Open area  
D = Docks  
T = Retaining wall or dam face  
U = Unknown

**Substrate:**  
M = Mud or silt  
C = Clay  
S = Sand  
G = Gravel  
B = Rock or boulder  
U = Unknown

**Hard Cover Rating:**  
0 = 0% woody debris and no docks.  
1 = 0% woody debris with docks or 1-33% woody debris.  
2 = 1-33% woody debris with many docks or 34-66% woody debris.  
3 = 34-66% woody debris with many docks or > 67% woody debris.

Data compiled by the Illinois  
Natural History Survey  
Date

# LAKE CATHERINE

## (Fox Chain of Lakes)

County: LAKE  
 Latitude: 422909  
 Longitude: 880742

Township: T46N  
 Range: R9E  
 Section: 1,12

IDOC Region: 2  
 IDOC District: 6  
 IDOC Lake Number: 4220  
 STORET Code: RT-B01-D  
 IDOC Lake Class:  
 Lake Origin: NG  
 Natural Division: 3A

Surface Area (ha): 62.3  
 Surface Area (acres): 149.5  
 Mean Depth (m): 5.15  
 Maximum Depth (m): 12.19  
 Shore Length (km): 5.94  
 Shoreline Dev. Index: 2.12

Year Constructed:

USGS 7.5' Quad:  
 Major River Basin: FOX  
 Inflowing Stream: TREVOR CR  
 Outflowing Stream: TO CHANNEL L

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 184  
 Conductivity (umhos): 456  
 Total Alkalinity (mg/l): 210  
 pH: 8.0

Watershed Area (ha): 1457  
 Storage Cap. (1000 m<sup>3</sup>): 3207.16  
 Retention Time (yrs): 1.1  
 Volume Dev. Index: 1.26

Maximum Length (km): 1.7  
 Maximum Width (km): 0.84  
 Inshore Mean Depth (m): 1.2  
 Pool Elevation (m msl): 224.9

**Climatic Information:**  
 Growing Season (days): 158  
 Growing Deg. Days (50°F base): 2694

### Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

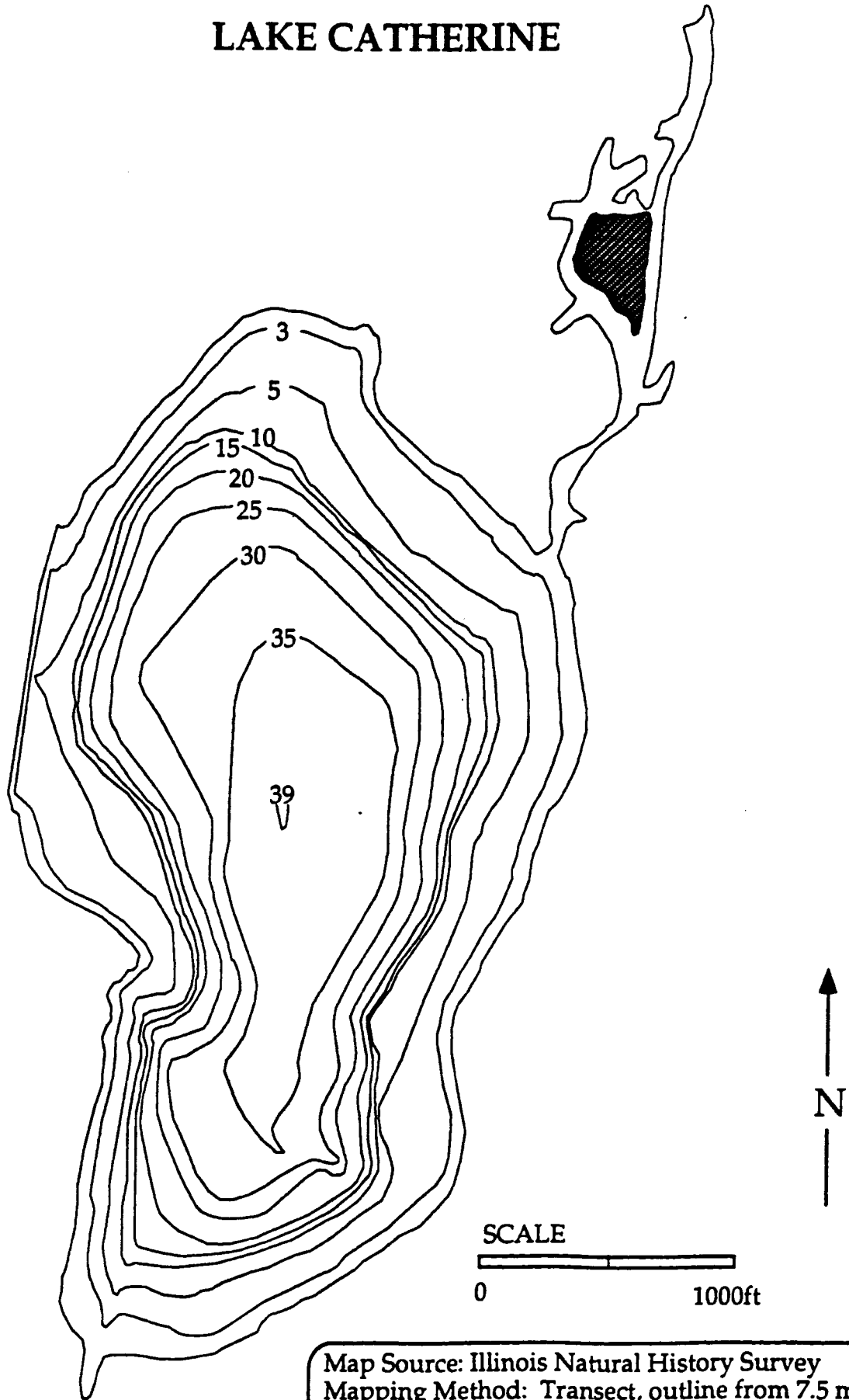
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
R/B/1	52	42
U/U/0	48	

### Fish Species Present in Lake (based on IDOC sampling): (Channel L. and Catherine L. samples are pooled)

Black Bullhead	Lake Chubsucker
Black Crappie	Largemouth Bass
Blackchin Shiner	Logperch
Bluegill	Muskellunge
Bluntnose Minnow	Northern Pike
Bowfin	Pumpkinseed
Brown Bullhead	Quillback Carpsucker
Brook Silverside	Walleye
Bullhead Minnow	Warmouth
Carp	White Bass
Channel Catfish	White Sucker
Golden Shiner	Yellow Bullhead
Grass Pickerel	Yellow Perch
Green Sunfish	Yellow Bass
Johnny Darter	

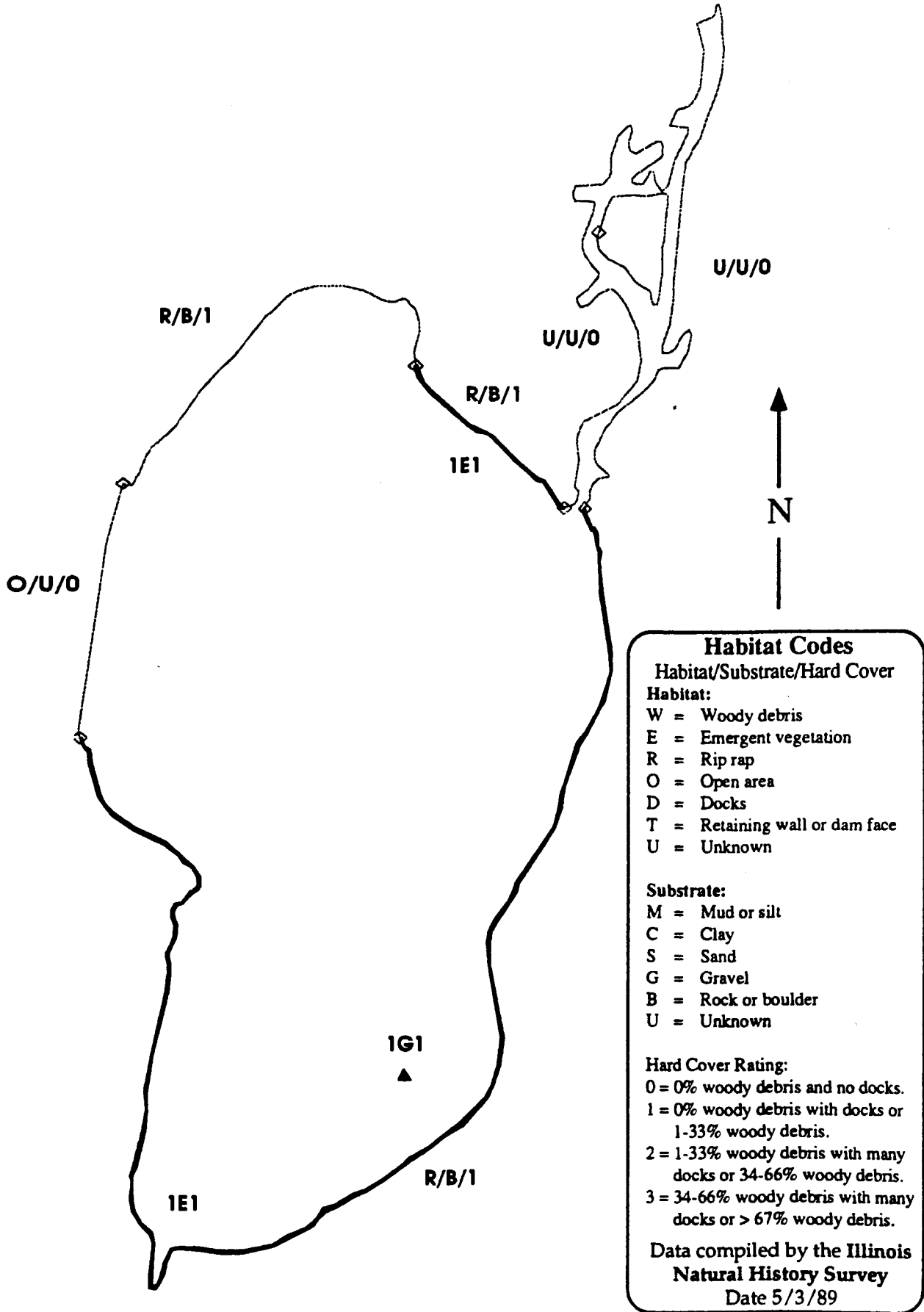
**Notes and Comments:**

# LAKE CATHERINE



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from 7.5 min.  
USGS topographic map  
Date completed: 5/3/89

# LAKE CATHERINE



# CHANNEL LAKE

## (Fox Chain of Lakes)

County: LAKE  
 Latitude: 422911  
 Longitude: 880815  
 Township: T46N  
 Range: R9E  
 Section: 1,2,11,12,14

IDOC Region: 2  
 IDOC District: 6  
 IDOC Lake Number: 4221  
 STORET Code: RT-B01-1  
 IDOC Lake Class: -  
 Lake Origin: NG  
 Natural Division: 3A

Surface Area (ha): 145.2  
 Surface Area (acres): 348.5  
 Mean Depth (m): 3.9  
 Maximum Depth (m): 11.58  
 Shore Length (km): 14.39  
 Shoreline Dev. Index: 3.36

Year Constructed: 1939

USGS 7.5' Quad:  
 Major River Basin: FOX  
 Inflowing Stream: SILVER L , LAKE CATHARINE (WI)  
 Outflowing Stream: TO L. MARIE

Typical Water Chemistry:  
 Secchi Disk Depth (cm): 142  
 Conductivity (umhos): 452  
 Total Alkalinity (mg/l): 201  
 pH: 7.9

Watershed Area (ha): 1457  
 Storage Cap. (1000 m<sup>3</sup>): 5658.49  
 Retention Time (yrs): 1.9  
 Volume Dev. Index: 1.0

Maximum Length (km): 2.63  
 Maximum Width (km): 1.8  
 Inshore Mean Depth (m): 1.1  
 Pool Elevation (m msl): 224.9

Climatic Information:  
 Growing Season (days): 158  
 Growing Deg. Days (50°F base): 2694

### Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
E/G/0	16	1
T/G/1	32	18
U/U/0	16	
W/G/3	36	16

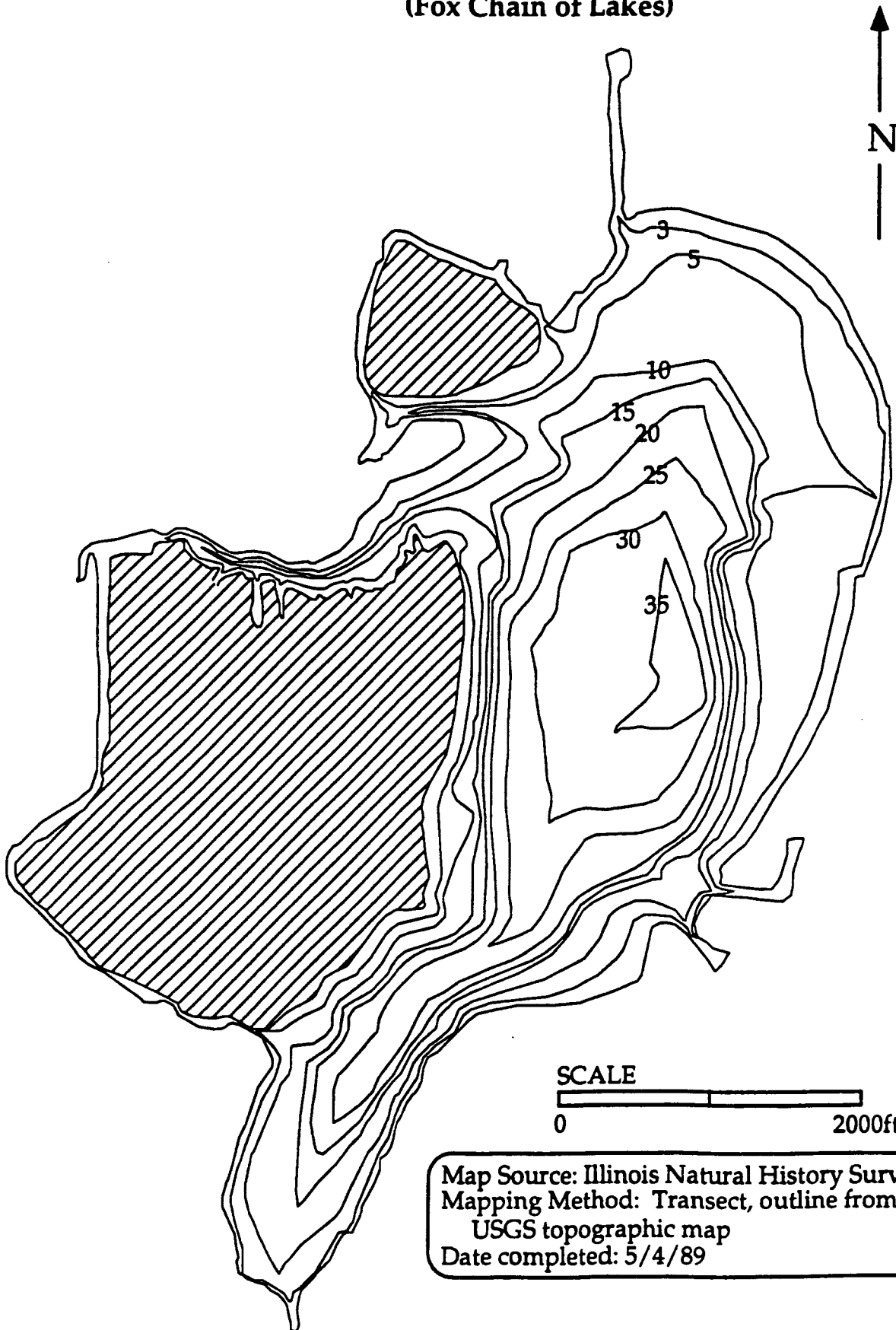
### Fish Species Present in Lake (based on IDOC sampling): (Channel L. and Catherine L. samples are pooled)

Black Bullhead	Lake Chubsucker
Black Crappie	Largemouth Bass
Blackchin Shiner	Logperch
Bluegill	Muskellunge
Bluntnose Minnow	Northern Pike
Bowfin	Pumpkinseed
Brown Bullhead	Quillback Carpsucker
Brook Silverside	Walleye
Bullhead Minnow	Warmouth
Carp	White Bass
Channel Catfish	White Sucker
Golden Shiner	Yellow Bullhead
Grass Pickerel	Yellow Perch
Green Sunfish	Yellow Bass
Johnny Darter	

**Notes and Comments:**

# CHANNEL LAKE

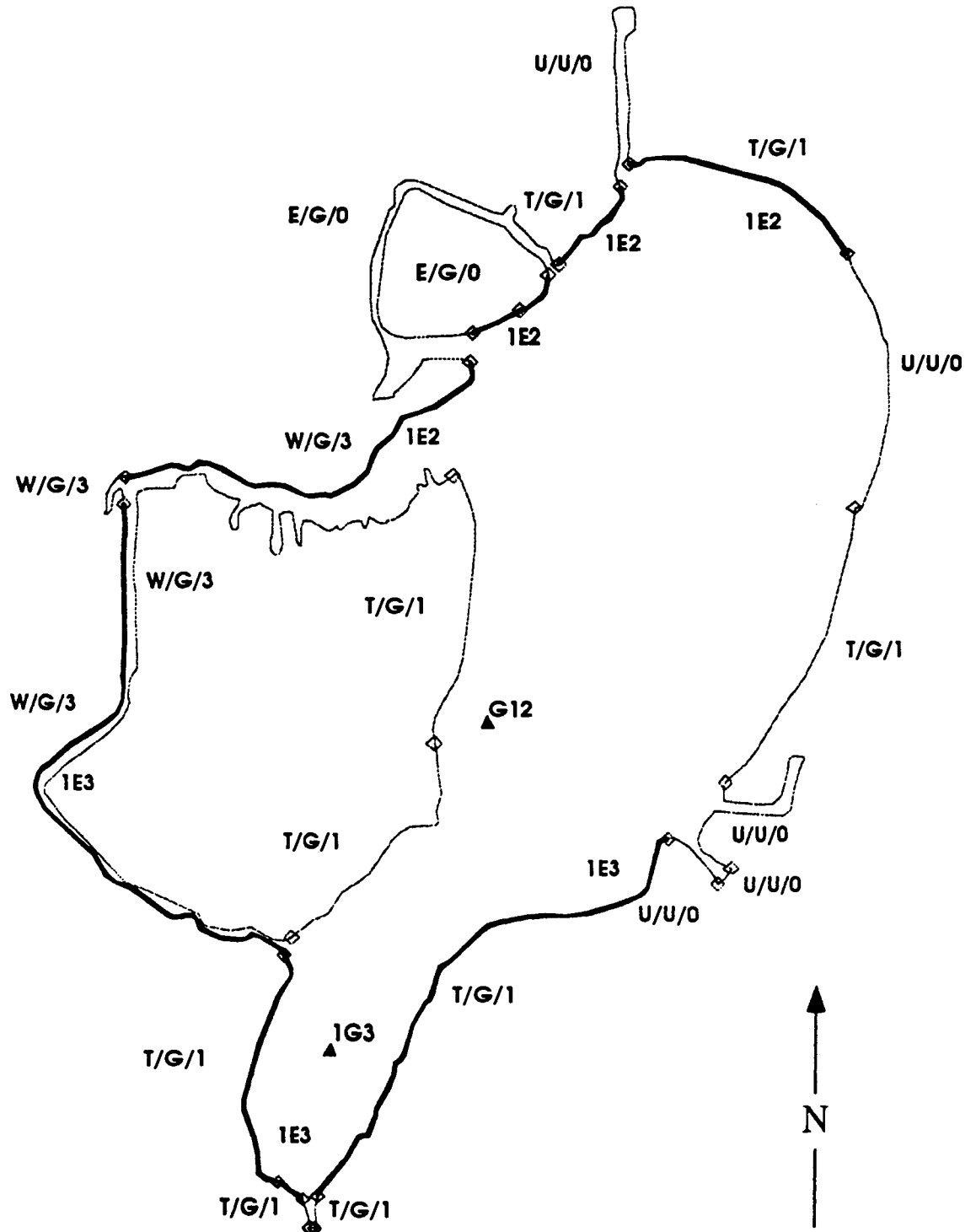
(Fox Chain of Lakes)



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from 7.5 min.  
USGS topographic map  
Date completed: 5/4/89



# CHANNEL LAKE



**Habitat Codes** (given as a three character code: **Habitat/Substrate/Hard Cover**)

<b>Habitat:</b>	<b>Substrate:</b>	<b>Hard Cover Rating:</b>
W = Woody debris	M = Mud or silt	0 = 0% woody debris and no docks.
E = Emergent vegetation	C = Clay	1 = 0% woody debris with docks or 1-33% woody debris.
R = Rip rap	S = Sand	2 = 1-33% woody debris with many docks or 34-66% woody debris.
O = Open area	G = Gravel	3 = 34-66% woody debris with many docks or greater than 67% woody debris.
D = Docks	B = Rock or boulder	
T = Retaining wall or dam face	U = Unknown	
U = Unknown		

Information compiled by the Illinois Natural History Survey, completed 5/4/89

# CHARLESTON SIDE CHANNEL LAKE

County: COLES  
 Latitude: 392813  
 Longitude: 880837

IDOC Region: 3  
 IDOC District: 9  
 IDOC Lake Number: 118  
 Storet Code: RB-A06-C  
 IDOC Lake Class: PU  
 Lake Origin: AA  
 Natural Division: 4A

Surface Area (ha): 132.2  
 Surface Area (acres): 317.4  
 Mean Depth (m): 2.36  
 Maximum Depth (m): 4.88  
 Shore Length (km): 5.85  
 Shoreline Dev. Index: 1.43

Year Constructed: 1947

Watershed Area (ha): 560  
 Storage Cap. (1000 m<sup>3</sup>): 3117.23  
 Retention Time (yrs): 0.002  
 Volume Dev. Index: 1.44

USGS 7.5' Quad: CHARLESTON S  
 Major River Basin: WABASH  
 Inflowing Stream: UN-NAMED TRIBS  
 Outflowing Stream: EMBARRASS R>WABASH R>OHIO R

Maximum Length (km): 1.74  
 Maximum Width (km): 1.35  
 Inshore Mean Depth (m): 1.2  
 Pool Elevation (m msl): 179.2

**Typical Water Chemistry:**

Secchi Disk Depth (cm): 347  
 Conductivity (umhos): 362  
 Total Alkalinity (mg/l): 134  
 pH: 8.5

**Climatic Information:**

Growing Season (days): 182  
 Growing Deg. Days (50°F base): 3546

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

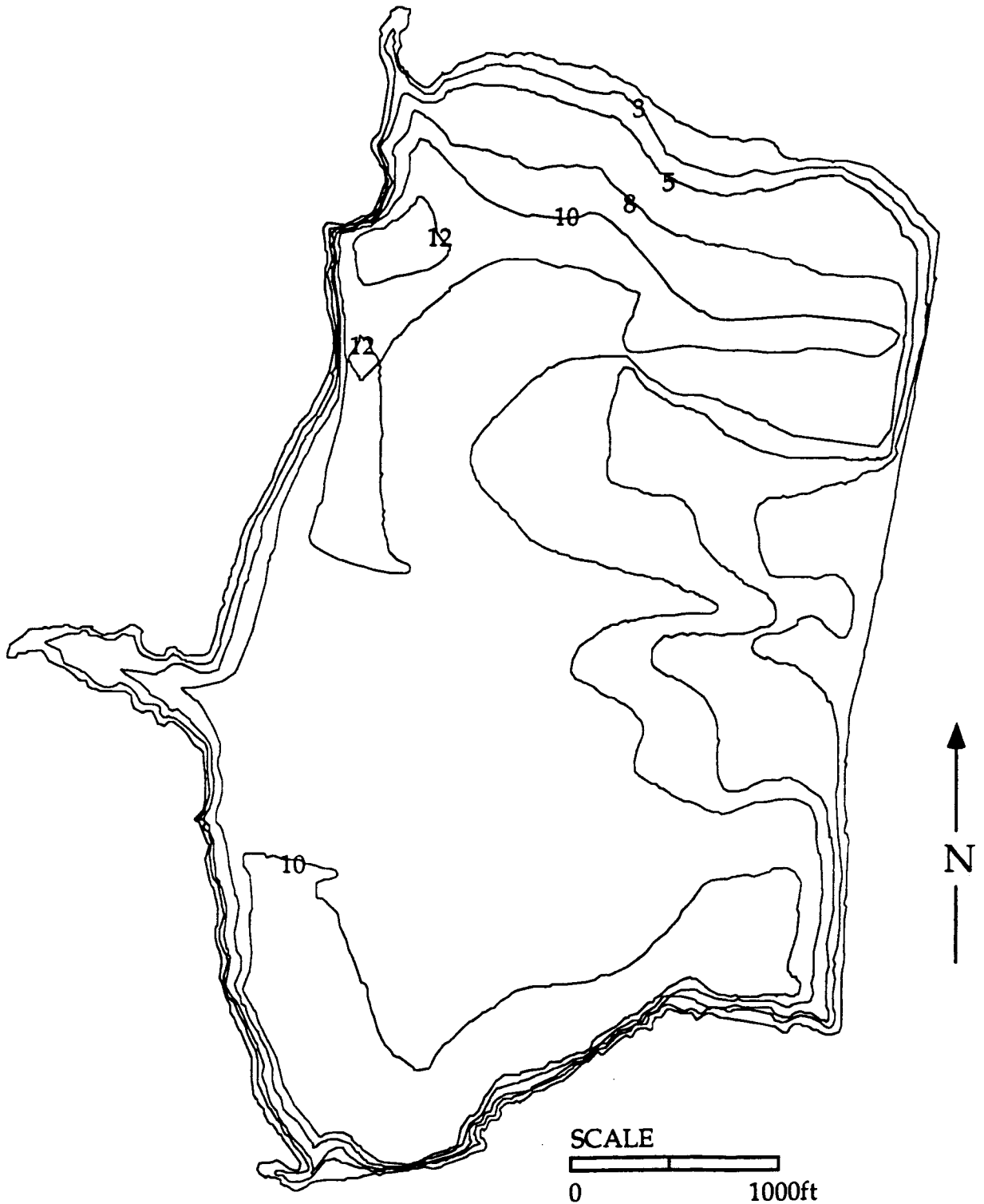
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
R/B/0	22	11
W/U/1	18	18
W/U/3	46	12
W/S/1	14	14

**Fish Species Present in Lake (based on IDOC sampling):**

Black Bullhead	Green Sunfish	Warmouth
Black Crappie	Green Sunfish X Bluegill	White Crappie
Bluegill	Green Sunfish X Warmouth	Yellow Bullhead
Bluegill X Orangespotted Sun.	Green X Longear Sunfish	
Brook Silverside	Hybrid Striped Bass	
Carp	Largemouth Bass	
Channel Catfish	Longear Sunfish	
Flathead Catfish	Orangespotted Sunfish	
Gizzard Shad	River Carpsucker	
Golden Redhorse	Shorthead Redhorse	
Golden Shiner	Spotted Bass	
Grass Pickerel	Spotted Sucker	

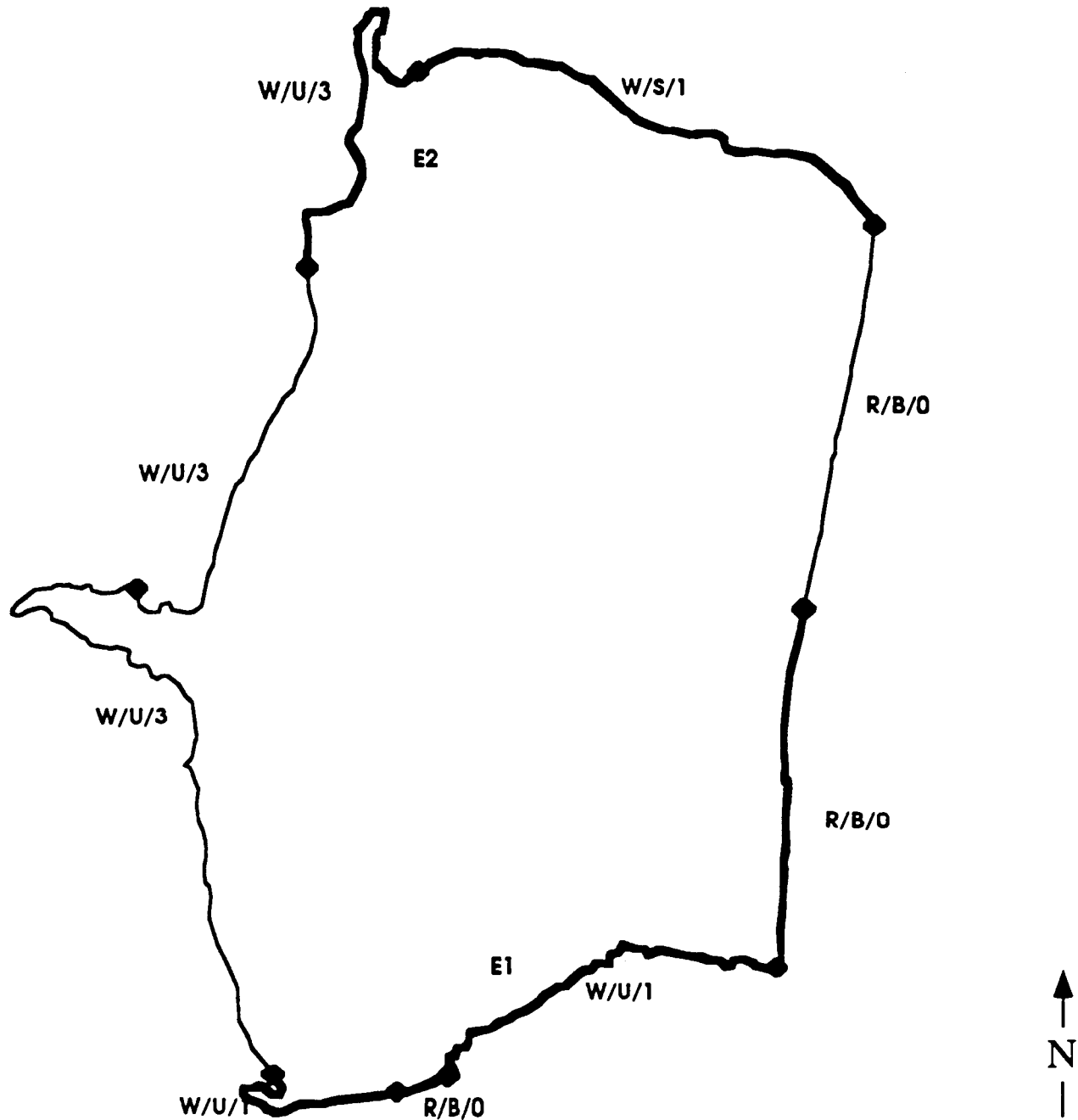
## Notes and Comments:

# CHARLESTON SIDE CHANNEL LAKE



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from ASCS  
aerial photo  
Date completed: 10/29/86

# CHARLESTON SIDE CHANNEL LAKE



**Habitat Codes**

<u>Habitat:</u>	<u>Habitat/Substrate/Hard Cover</u>	<u>Substrate:</u>	<u>Hard Cover Rating:</u>
W = Woody debris		M = Mud or silt	0 = 0% woody debris and no docks.
E = Emergent vegetation		C = Clay	1 = 0% woody debris with docks or 1-33% woody debris.
R = Rip rap		S = Sand	2 = 1-33% woody debris with many docks or 34-66% woody debris.
O = Open area		G = Gravel	3 = 34-66% woody debris with many docks or greater than 67% woody debris.
D = Docks		B = Rock or boulder	
T = Retaining wall or dam face		U = Unknown	
U = Unknown			

Information compiled by the Illinois Natural History Survey, completed 10/29/86

# CLINTON LAKE

County: DEWITT  
 Latitude: 401403  
 Longitude: 884320

IDOC Region: 3  
 IDOC District: 8  
 IDOC Lake Number: 91  
 Storet Code: RE-A04-I  
 IDOC Lake Class: ST  
 Lake Origin: AA  
 Natural Division: 4A

Surface Area (ha): 1981.0  
 Surface Area (acres): 4754.4  
 Mean Depth (m): 3.35  
 Maximum Depth (m): 12.19  
 Shore Length (km): 209  
 Shoreline Dev. Index: 13.2

Year Constructed: 1978

Watershed Area (ha): 76666  
 Storage Cap. (1000 m<sup>3</sup>): 91534.54  
 Retention Time (yrs): 0.5  
 Volume Dev. Index: 0.82

USGS 7.5' Quad: DEWITT  
 Major River Basin: SANGAMON  
 Inflowing Stream: N FK SALT CR/SALT CR  
 Outflowing Stream: SALT CR>SANGAMON R>IL R

Maximum Length (km):  
 Maximum Width (km):  
 Inshore Mean Depth (m): 1.38  
 Pool Elevation (m msl): 210.3

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 44  
 Conductivity (umhos): 426  
 Total Alkalinity (mg/l): 192  
 pH:

**Climatic Information:**  
 Growing Season (days): 187  
 Growing Deg. Days (50°F base): 3445

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

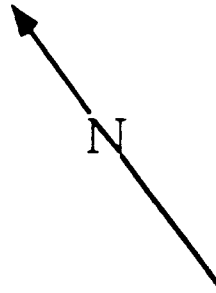
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
R/B/0	1	
R/B/1	2	2
W/C/3	2	
W/C/2	18	5
W/M/2	13	2
W/C/1	63	17

**Fish Species Present in Lake (based on IDOC sampling):**

Bigmouth Buffalo	Grass Pickerel	Tiger Muskellunge
Black Bullhead	Green Sunfish	Walleye
Black Crappie	Green Sunfish X Bluegill	White Bass
Blackstripe Topminnow	Hybrid Striped Bass	White Crappie
Bluegill	Largemouth Bass	Yellow Bullhead
Brown Bullhead	Red Shiner	
Carp	Shorthead Redhorse	
Channel Catfish	Silver Redhorse	
Flathead Catfish	Smallmouth Bass	
Freshwater Drum	Spotfin Shiner	
Gizzard Shad	Spotted Sucker	
Golden Redhorse	Striped Bass	

## Notes and Comments:

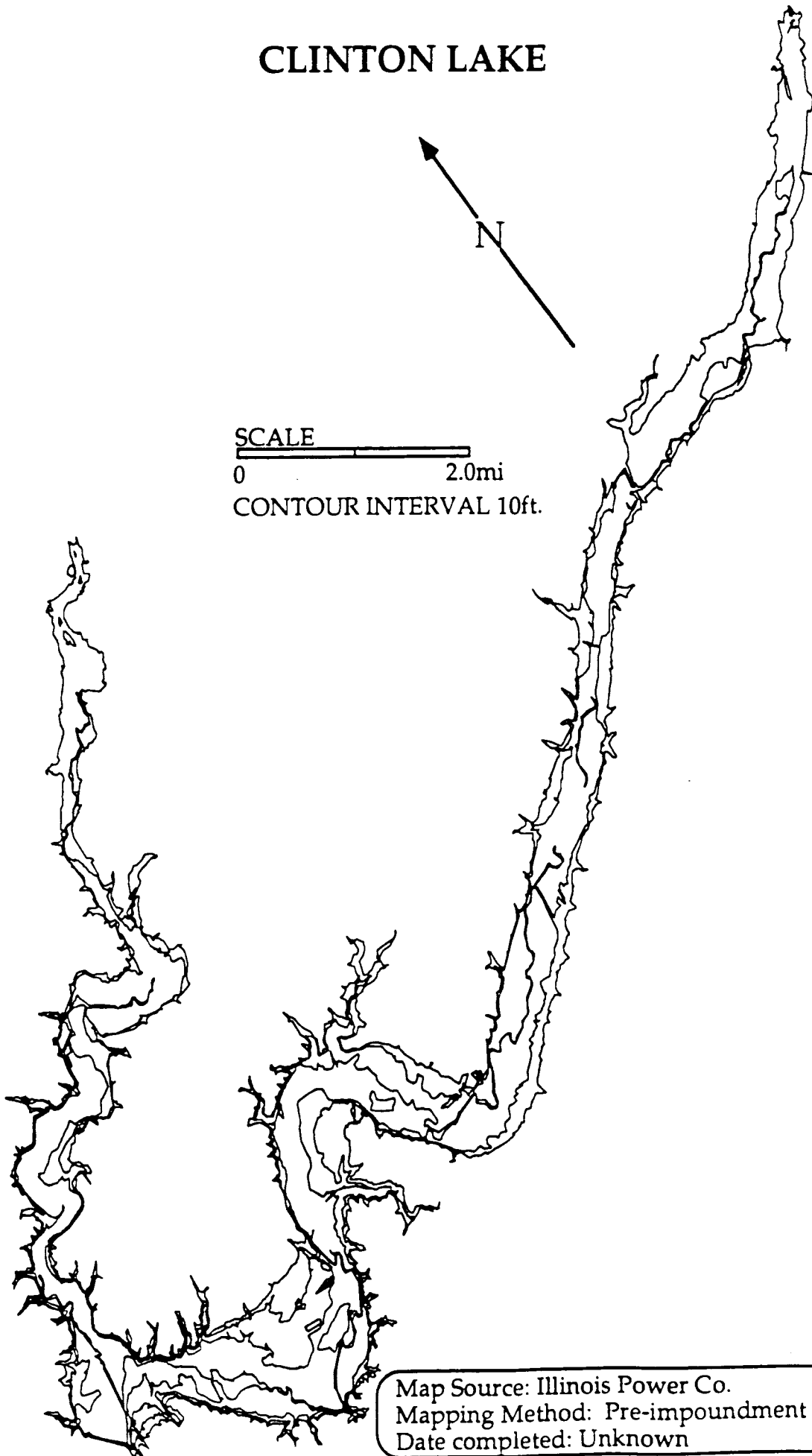
# CLINTON LAKE



SCALE

0 2.0mi

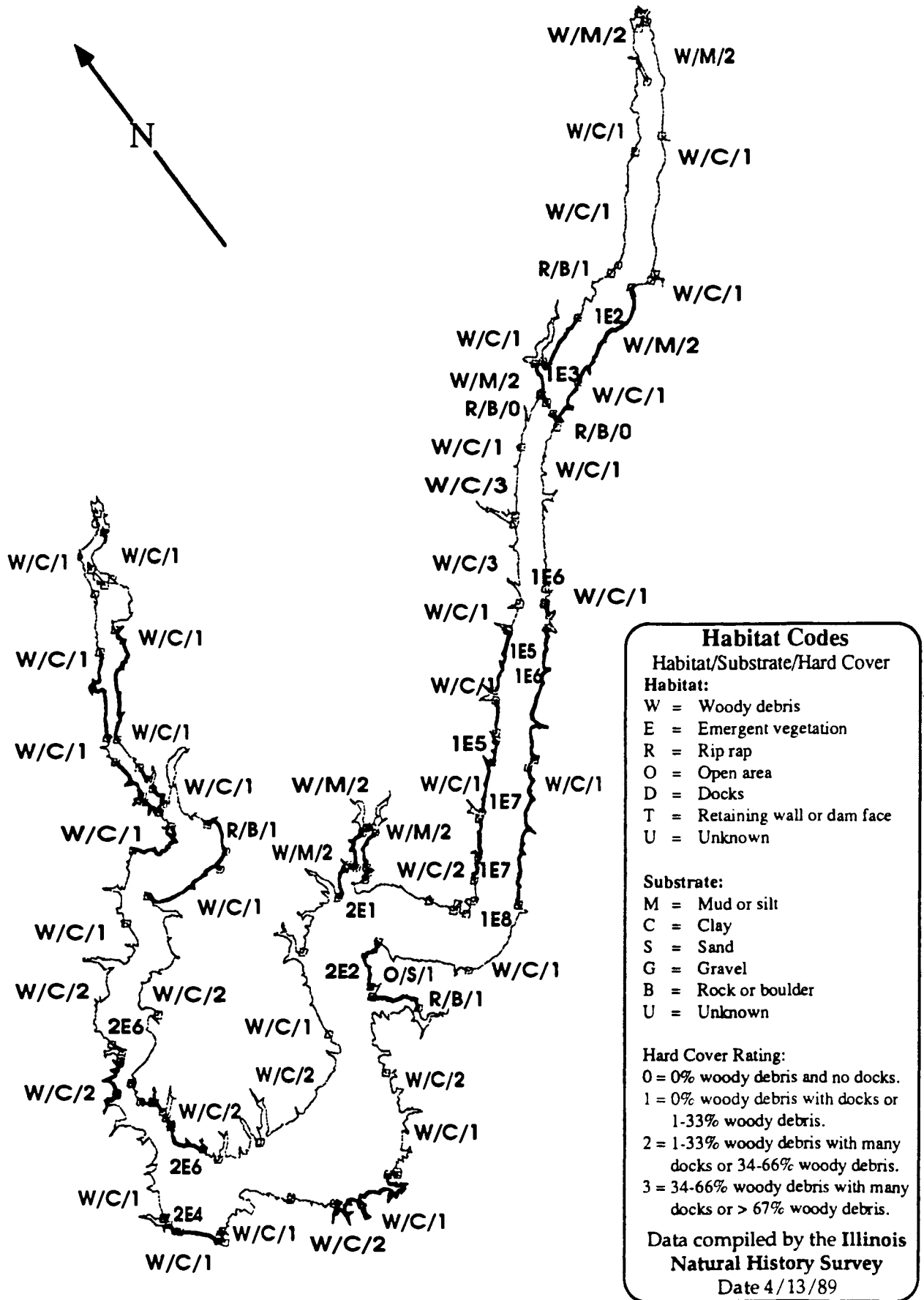
CONTOUR INTERVAL 10ft.



Map Source: Illinois Power Co.  
Mapping Method: Pre-impoundment survey  
Date completed: Unknown



# CLINTON LAKE



# CROSS LAKE

County: LAKE  
 Latitude: 422949  
 Longitude: 880514

IDOC Region: 2  
 IDOC District: 6  
 IDOC Lake Number:  
 Storet Code:  
 IDOC Lake Class: PR  
 Lake Origin: NG  
 Natural Division: 3A

Surface Area (ha): 35.5  
 Surface Area (acres): 85.1  
 Mean Depth (m): 3.51  
 Maximum Depth (m): 11.28  
 Shore Length (km): 2.88  
 Shoreline Dev. Index: 1.36

Year Constructed:

Watershed Area (ha): 121  
 Storage Cap. (1000 m<sup>3</sup>): 1243.86  
 Retention Time (yrs): 5.1  
 Volume Dev. Index: 0.93

USGS 7.5' Quad: ANTIOCH\*/FOX LAKE\*  
 Major River Basin: FOX  
 Inflowing Stream: NONE  
 Outflowing Stream: TREA VOR CR>L CATHERINE>FOX R

Maximum Length (km): 0.76  
 Maximum Width (km): 0.9  
 Inshore Mean Depth (m): 0.85  
 Pool Elevation (m msl): 247.5

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 189  
 Conductivity (umhos): 430  
 Total Alkalinity (mg/l): 118  
 pH: 8.4

**Climatic Information:**  
 Growing Season (days): 171  
 Growing Deg. Days (50°F base): 2796

## Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

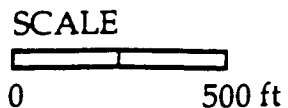
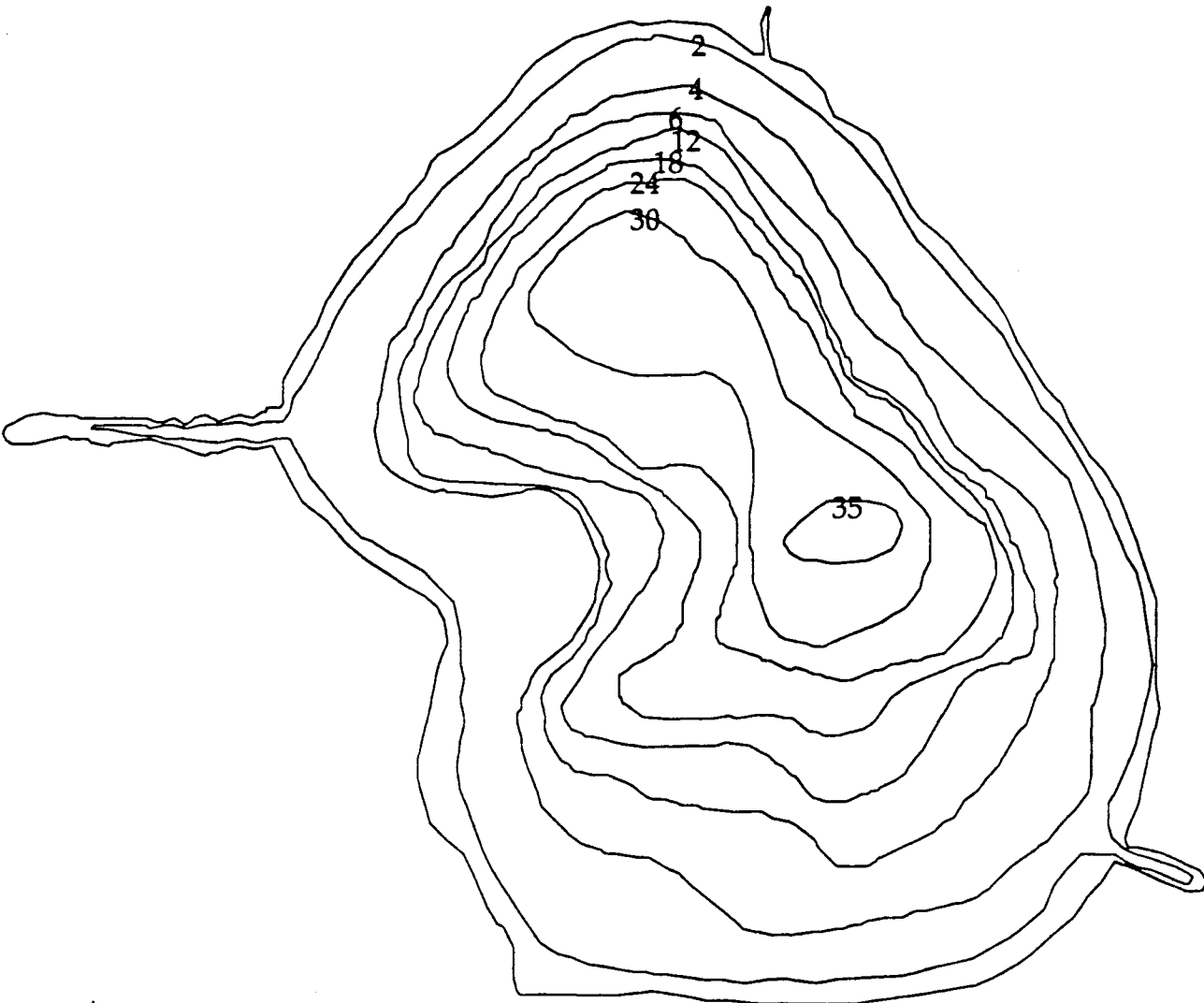
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
E/S/0	24	10
O/S/0	23	23
R/S/0	27	
T/S/0	27	27

## Fish Species Present in Lake (based on IDOC sampling):

Black Crappie                      Yellow Bullhead  
 Bluegill                              Yellow Perch  
 Bluntnose Minnow  
 Carp  
 Grass Pickerel  
 Lake Chubsucker  
 Largemouth Bass  
 Northern Pike  
 Pumpkinseed  
 Rosyface Shiner  
 Walleye  
 Warmouth

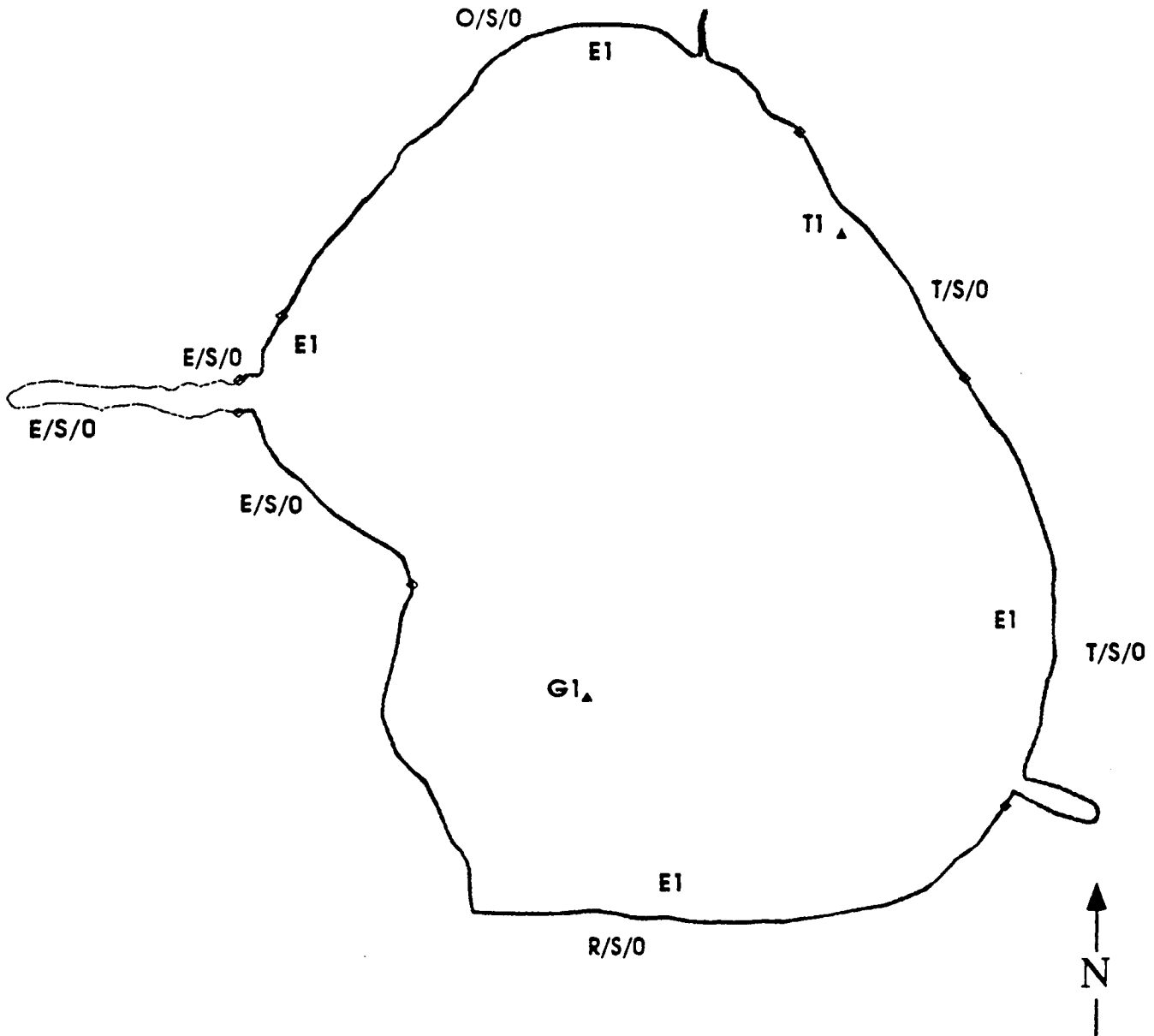
**Notes and Comments:**

# CROSS LAKE



Map Source: Wisconsin Dept. of Nat. Res.  
Mapping Method: Unknown, outline revised by  
INHS with ASCS aerial photo  
Date completed: unknown

# CROSS LAKE



## Habitat Codes (given as a three character code: Habitat/Substrate/Hard Cover)

### Habitat:

W = Woody debris

E = Emergent vegetation

R = Rip rap

O = Open area

D = Docks

T = Retaining wall or dam face

U = Unknown

### Substrate:

M = Mud or silt

C = Clay

S = Sand

G = Gravel

B = Rock or boulder

U = Unknown

### Hard Cover Rating:

0 = 0% woody debris and no docks.

1 = 0% woody debris with docks or 1-33% woody debris.

2 = 1-33% woody debris with many docks or 34-66% woody debris.

3 = 34-66% woody debris with many docks or greater than 67% woody debris.

Information compiled by the Illinois Natural History Survey, completed 10/29/86

# DAWSON LAKE

County: MCLEAN  
 Latitude: 402403  
 Longitude: 884320

Township: T23N  
 Range: R4E  
 Section: 35

Year Constructed: 1964

USGS 7.5' Quad: ARROWSMITH  
 Major River Basin: SANGAMON  
 Inflowing Stream: INT  
 Outflowing Stream: N FK SALT CR>SALT CR>SANG R>IL

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 103  
 Conductivity (umhos): 289  
 Total Alkalinity (mg/l): 100  
 pH: 9.5

IDOC Region: 3  
 IDOC District: 8  
 IDOC Lake Number: 92  
 STORET Code: RE-A02-E  
 IDOC Lake Class: ST  
 Lake Origin: AD  
 Natural Division: 4A

Surface Area (ha): 61.6  
 Surface Area (acres): 147.9  
 Mean Depth (m): 3.08  
 Maximum Depth (m): 7.92  
 Shore Length (km): 8.17  
 Shoreline Dev. Index: 2.93  
 Watershed Area (ha): 1166  
 Storage Cap. (1000 m<sup>3</sup>): 1900.51  
 Retention Time (yrs): 0.7  
 Volume Dev. Index: 1.16

Maximum Length (km): 1.98  
 Maximum Width (km): 0.82  
 Inshore Mean Depth (m): 1.45  
 Pool Elevation (m msl): 253

**Climatic Information:**  
 Growing Season (days): 175  
 Growing Deg. Days (50°F base): 3263

## Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

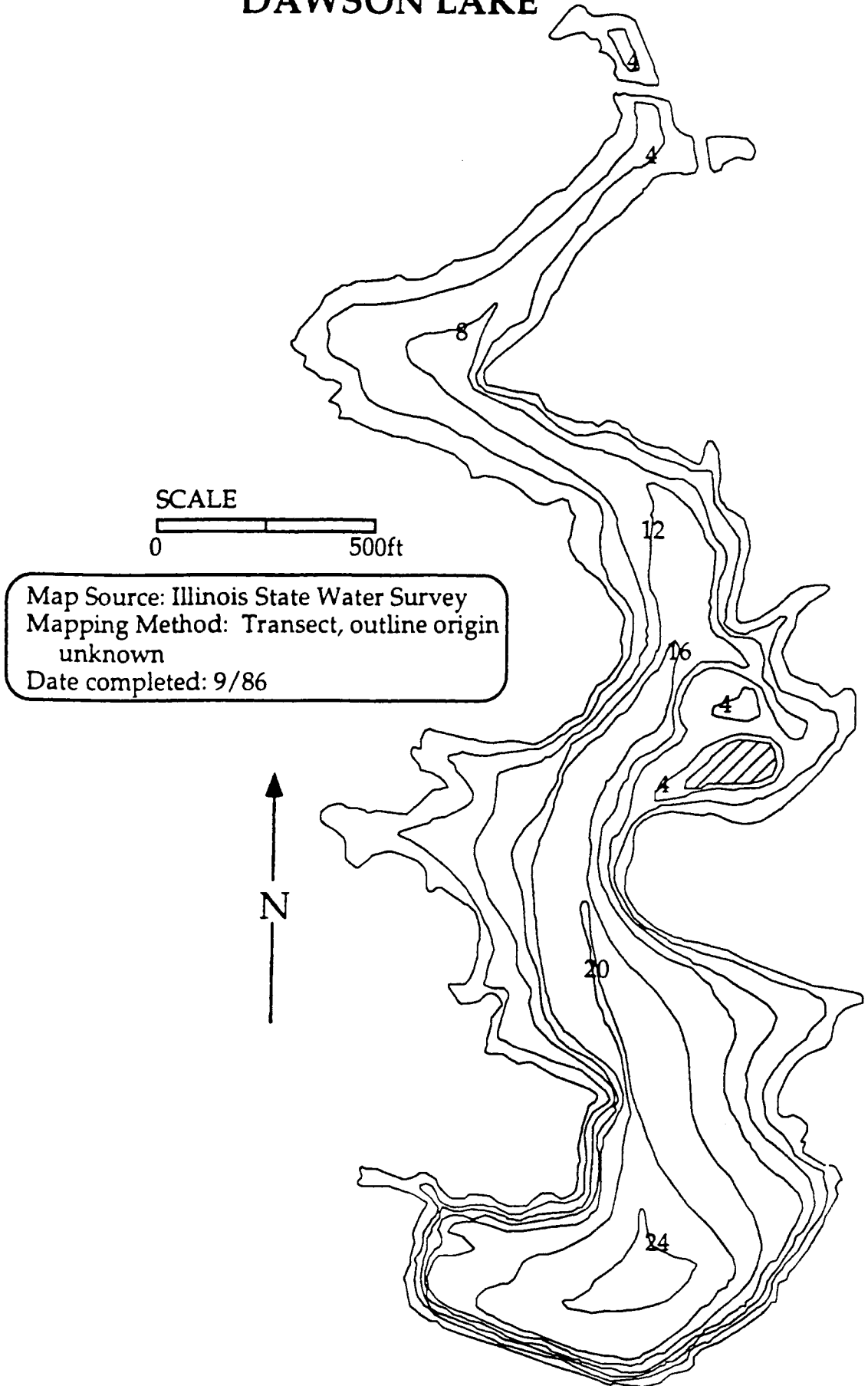
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
D/S/1	2	
E/S/2	15	9
R/B/0	4	4
W/S/1	18	8
W/S/2	58	43
W/M/1	4	4

## Fish Species Present in Lake (based on IDOC sampling):

Black Bullhead	Northern Pike
Black Crappie	Redear Sunfish
Black X White Crappie	Walleye
Bluegill	White Crappie
Bluegill X Redear	White Sucker
Carp	Yellow Bullhead
Channel Catfish	Yellow Perch
Gizzard Shad	
Golden Shiner	
Green Sunfish	
Green Sunfish X Bluegill	
Largemouth Bass	

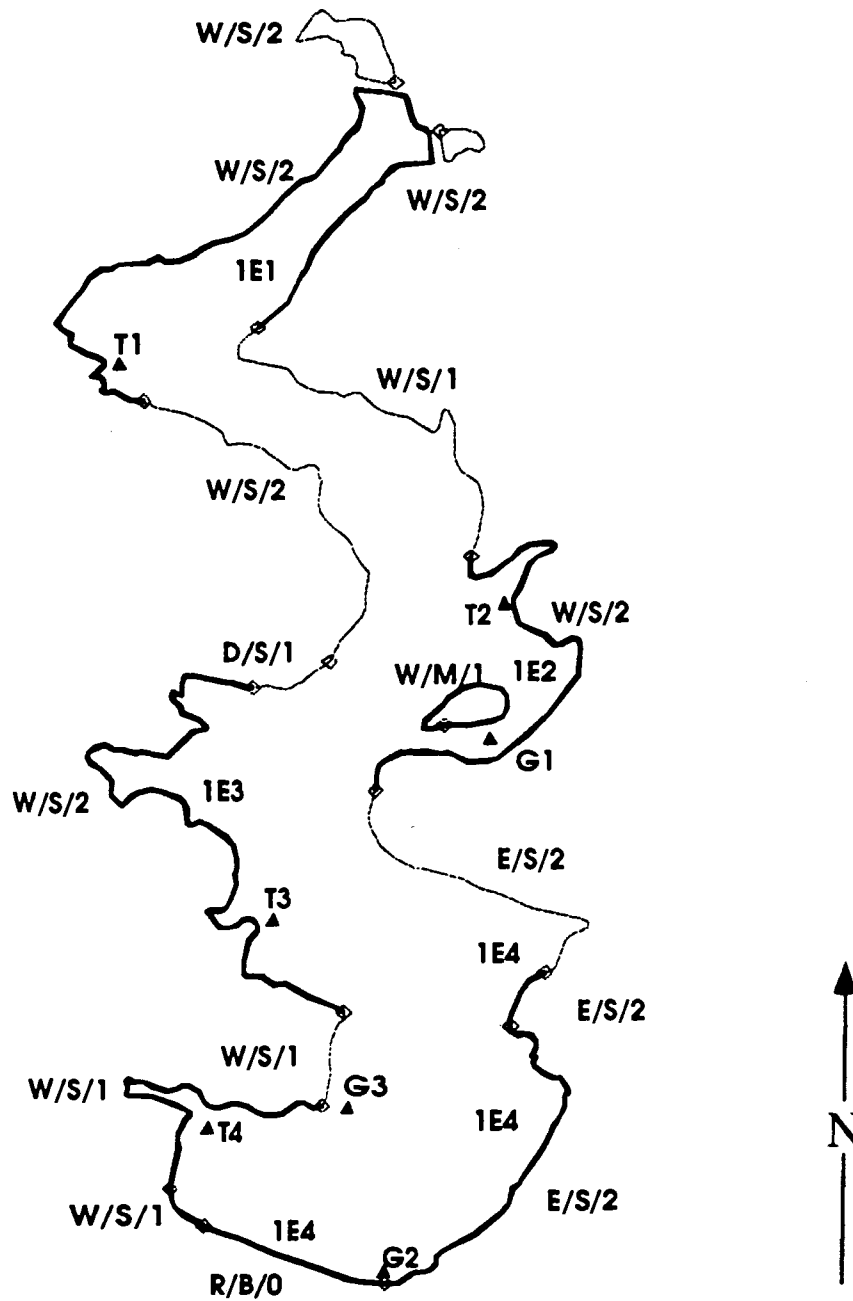
**Notes and Comments:**

# DAWSON LAKE





# DAWSON LAKE



**Habitat Codes** (given as a three character code: **Habitat/Substrate/Hard Cover**)

<u>Habitat:</u>	<u>Substrate:</u>	<u>Hard Cover Rating:</u>
W = Woody debris	M = Mud or silt	0 = 0% woody debris and no docks.
E = Emergent vegetation	C = Clay	1 = 0% woody debris with docks or 1-33% woody debris.
R = Rip rap	S = Sand	2 = 1-33% woody debris with many docks or 34-66% woody debris.
O = Open area	G = Gravel	3 = 34-66% woody debris with many docks or greater than 67% woody debris.
D = Docks	B = Rock or boulder	
T = Retaining wall or dam face	U = Unknown	
U = Unknown		

Information compiled by the Illinois Natural History Survey, completed 9/86

# LAKE DECATUR

County: MACON  
 Latitude: 395228  
 Longitude: 885159

Township: T16N  
 Range: R2E  
 Section: 22

IDOC Region: 3  
 IDOC District: 9  
 IDOC Lake Number: 130  
 Storet Code: RE-B02-A  
 IDOC Lake Class: PU  
 Lake Origin: AA  
 Natural Division: 4A

Surface Area (ha): 1210.5  
 Surface Area (acres): 2905.1  
 Mean Depth (m): 1.826  
 Maximum Depth (m): 6.706  
 Shore Length (km): 60.79  
 Shoreline Dev. Index: 4.92

Year Constructed: 1922

USGS 7.5' Quad: DECATUR  
 Major River Basin: SANGAMON  
 Inflowing Stream: SANGAMON R  
 Outflowing Stream: SANGAMON R>IL R

**Typical Water Chemistry:**

Secchi Disk Depth (cm): 34  
 Conductivity (umhos): 5569  
 Total Alkalinity (mg/l): 208  
 pH: 8.0

Watershed Area (ha): 234645  
 Storage Cap. (1000 m<sup>3</sup>): 22136.93  
 Retention Time (yrs): 0.1  
 Volume Dev. Index: 0.82

Maximum Length (km): 10.74  
 Maximum Width (km): 12.61  
 Inshore Mean Depth (m): 0.7  
 Pool Elevation (m msl): 186.8

**Climatic Information:**

Growing Season (days): 182  
 Growing Deg. Days (50°F base): 3656

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
D/M/1	42	9
E/M/0	7	
R/B/0	10	2
T/S/0	1	
W/C/2	31	5
W/S/1	3	1
W/M/1	5	

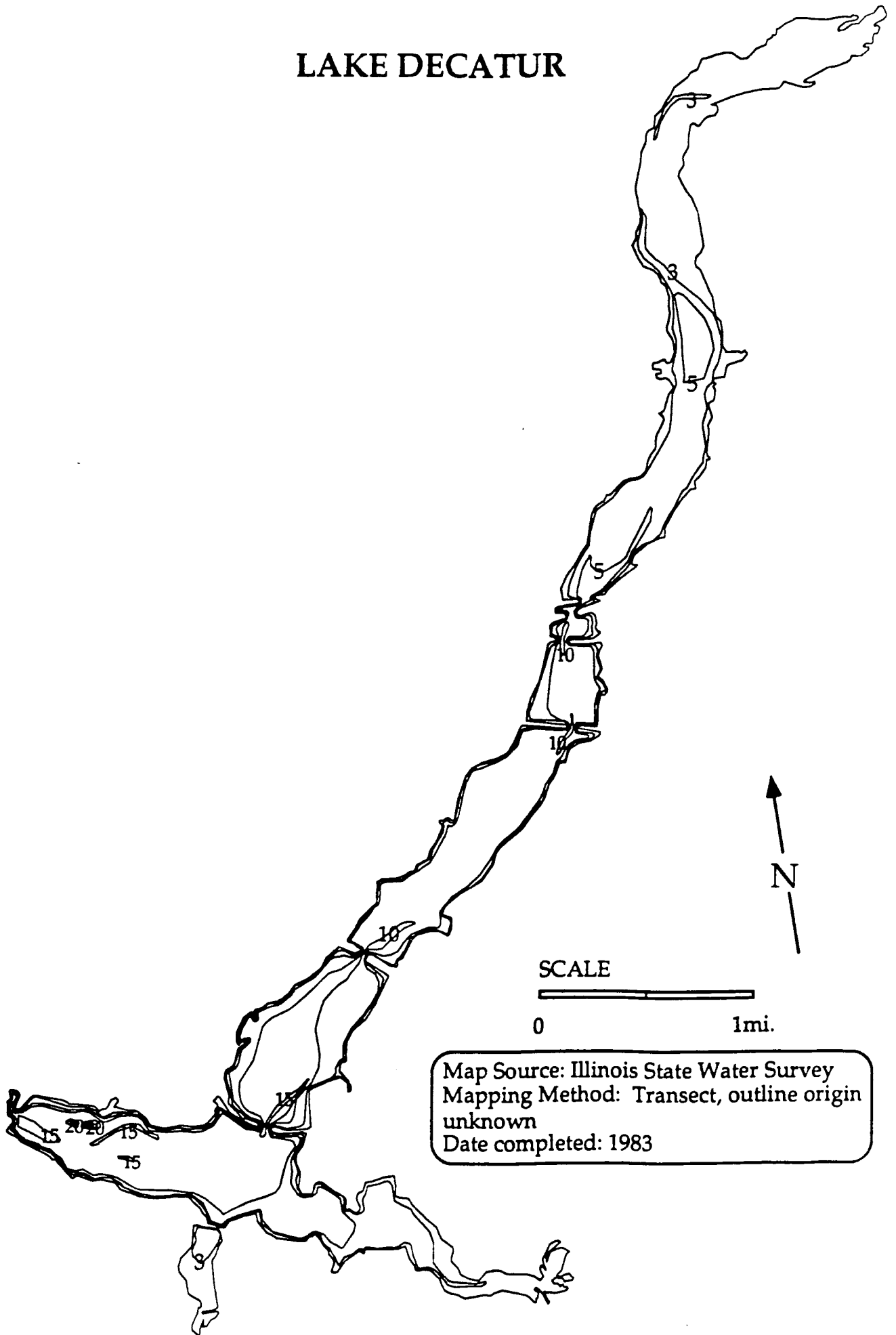
**Fish Species Present in Lake (based on IDOC sampling):**

Bigmouth Buffalo	Golden Redhorse
Black Buffalo	Golden Shiner
Black Crappie	Green Sunfish
Blackstripe Topminnow	Green Sunfish X Bluegill
Bluegill	Largemouth Bass
Brook Silverside	Logperch
Carp	Orangespotted Sunfish
Channel Catfish	Shorthead Redhorse
Fathead Minnow	Smallmouth Bass
Flathead Catfish	Smallmouth Buffalo
Freshwater Drum	Walleye
Gizzard Shad	White Bass

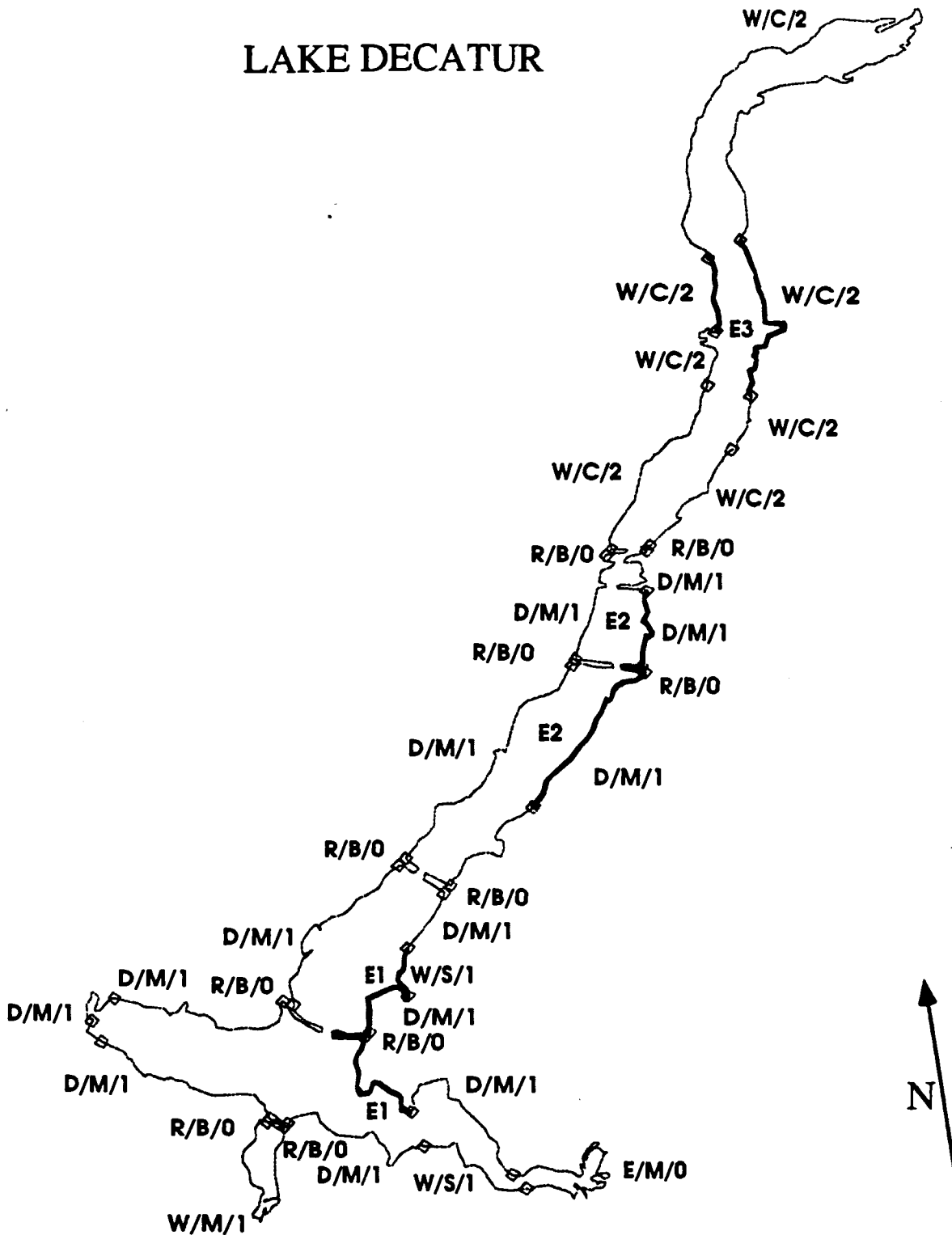
White Crappie  
 Yellow Bullhead

**Notes and Comments:**

# LAKE DECATUR



# LAKE DECATUR



**Habitat Codes** (given as a three character code: **Habitat/Substrate/Hard Cover**)

**Habitat:**

- W = Woody debris
- E = Emergent vegetation
- R = Rip rap
- O = Open area
- D = Docks
- T = Retaining wall or dam face
- U = Unknown

**Substrate:**

- M = Mud or silt
- C = Clay
- S = Sand
- G = Gravel
- B = Rock or boulder
- U = Unknown

**Hard Cover Rating:**

- 0 = 0% woody debris and no docks.
- 1 = 0% woody debris with docks or 1-33% woody debris.
- 2 = 1-33% woody debris with many docks or 34-66% woody debris.
- 3 = 34-66% woody debris with many docks or greater than 67% woody debris.

Information compiled by the Illinois Natural History Survey, completed 7/11/85

# DEFIANCE LAKE

County: MCHENRY  
 Latitude: 421909  
 Longitude: 881332

IDOC Region: 2  
 IDOC District: 5  
 IDOC Lake Number: 67  
 Storet Code: RT-BO2-B  
 IDOC Lake Class: ST  
 Lake Origin: NG  
 Natural Division: 3A

Surface Area (ha): 19.0  
 Surface Area (acres): 45.5  
 Mean Depth (m): 2.89  
 Maximum Depth (m): 5.79  
 Shore Length (km): 2.04  
 Shoreline Dev. Index: 1.32

Township: T44N  
 Range: R9E  
 Section: 6

Year Constructed:

Watershed Area (ha): 405  
 Storage Cap. (1000 m<sup>3</sup>): 548.84  
 Retention Time (yrs): 0.7  
 Volume Dev. Index: 1.49

USGS 7.5' Quad: WAUCONDA  
 Major River Basin: FOX  
 Inflowing Stream: NONE  
 Outflowing Stream: INT TO MARSH

Maximum Length (km): 0.58  
 Maximum Width (km): 0.59  
 Inshore Mean Depth (m): 1.6  
 Pool Elevation (m msl): 224.0

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 168  
 Conductivity (umhos): 535  
 Total Alkalinity (mg/l): 237  
 pH: 8.1

**Climatic Information:**  
 Growing Season (days): 158  
 Growing Deg. Days (50°F base): 2694

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

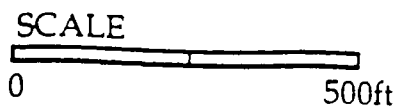
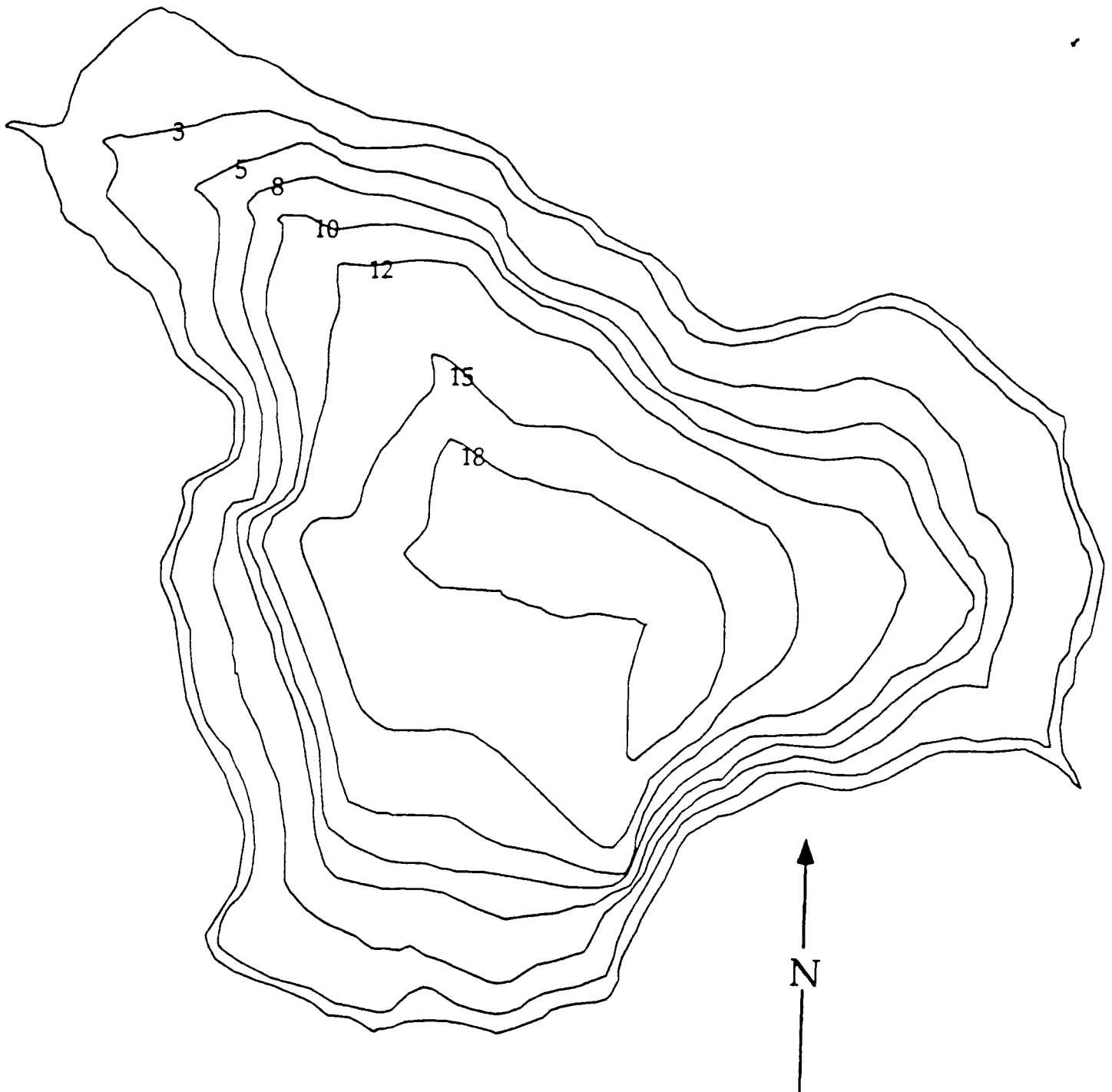
<u>Habitat Type</u>	<u>Percent of Total Shoreline</u>	<u>Percent of Total Shoreline Sampled by Electrofishing</u>
E/U/0	14	14
W/U/1	71	71
W/U/2	15	15

**Fish Species Present in Lake (based on IDOC sampling):**

Black Bullhead	Green Sunfish
Black Crappie	Lake Chubsucker
Bluegill	Largemouth Bass
Bluegill X Pumpkinseed	Longnose Gar
Bowfin	Northern Pike
Brook Silverside	Pumpkinseed
Carp	Warmouth
Central Mudminnow	White Crappie
Channel Catfish	Yellow Perch
Fathead Minnow	
Golden Shiner	
Grass Pickerel	

## Notes and Comments:

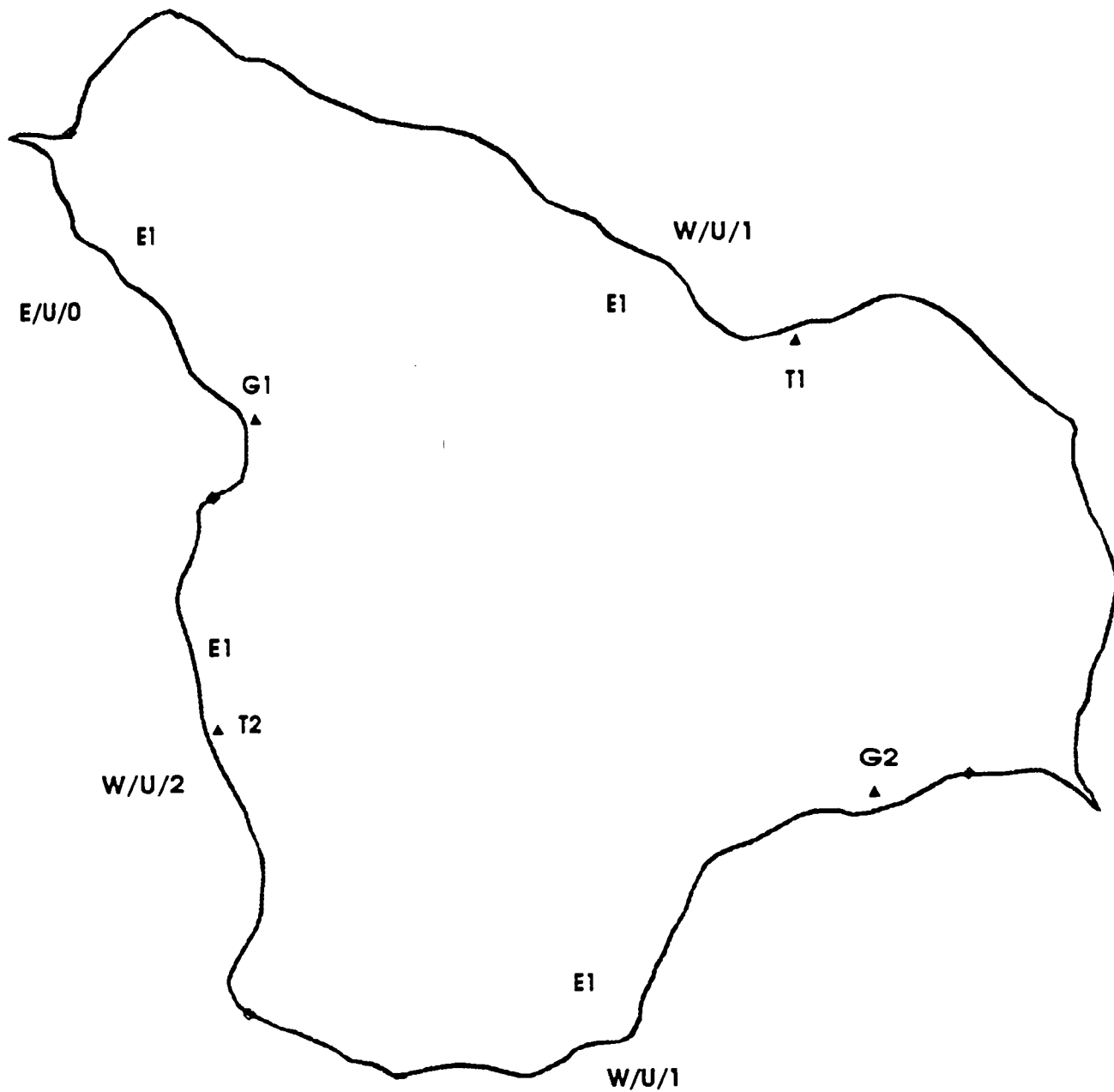
# DEFIANCE LAKE



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from ASCS  
aerial photo  
Date completed: 4/28/87



# DEFIANCE LAKE



**Habitat Codes** (given as a three character code: Habitat/Substrate/Hard Cover)

<u>Habitat:</u>	<u>Substrate:</u>	<u>Hard Cover Rating:</u>
W = Woody debris	M = Mud or silt	0 = 0% woody debris and no docks.
E = Emergent vegetation	C = Clay	1 = 0% woody debris with docks or 1-33% woody debris.
R = Rip rap	S = Sand	2 = 1-33% woody debris with many docks or 34-66% woody debris.
O = Open area	G = Gravel	3 = 34-66% woody debris with many docks or greater than 67% woody debris.
D = Docks	B = Rock or boulder	
T = Retaining wall or dam face	U = Unknown	
U = Unknown		

Information compiled by the Illinois Natural History Survey, completed 10/29/86



# DIAMOND LAKE

County: LAKE  
 Latitude: 421500  
 Longitude: 880025

IDOC Region: 2  
 IDOC District: 6  
 IDOC Lake Number: 273  
 Storet Code: RG-B01-B  
 IDOC Lake Class: PC  
 Lake Origin: NG  
 Natural Division: 3A

Surface Area (ha): 63.4  
 Surface Area (acres): 152.1  
 Mean Depth (m): 2.83  
 Maximum Depth (m): 8.23  
 Shore Length (km): 4.73  
 Shoreline Dev. Index: 1.67

Year Constructed:

Watershed Area (ha): 162  
 Storage Cap. (1000 m<sup>3</sup>): 1792.7  
 Retention Time (yrs): 5.4  
 Volume Dev. Index: 1.03

USGS 7.5' Quad: GRAYSLAKE\*/LAKE ZURICH\*  
 Major River Basin: DES PLAINES  
 Inflowing Stream: INT  
 Outflowing Stream: INT<INDIAN CR<DES PLAINES<KANK

Maximum Length (km): 1.19  
 Maximum Width (km): 1.03  
 Inshore Mean Depth (m): 0.9  
 Pool Elevation (m msl): 225.6

**Typical Water Chemistry:**

Secchi Disk Depth (cm): 81  
 Conductivity (umhos): 405  
 Total Alkalinity (mg/l): 188  
 pH: 8.2

**Climatic Information:**  
 Growing Season (days): 158  
 Growing Deg. Days (50°F base): 2694

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
D/S/1	58	50
E/S/0	6	6
O/S/0	18	18
R/B/0	1	1
T/S/0	8	8
U/U/0	9	

**Fish Species Present in Lake (based on IDOC sampling):**

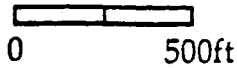
Black Bullhead	Green Sunfish X Bluegill
Black Crappie	Green Sunfish X Pumpkinseed
Bluegill	Largemouth Bass
Bluegill X Pumpkinseed	Northern Pike
Brown Bullhead	Orangespotted Sunfish
Carp	Pumpkinseed
Channel Catfish	Walleye
Golden Shiner	White Sucker
Goldfish	Yellow Bullhead
Green Sunfish	Yellow Perch

**Notes and Comments:**

# DIAMOND LAKE



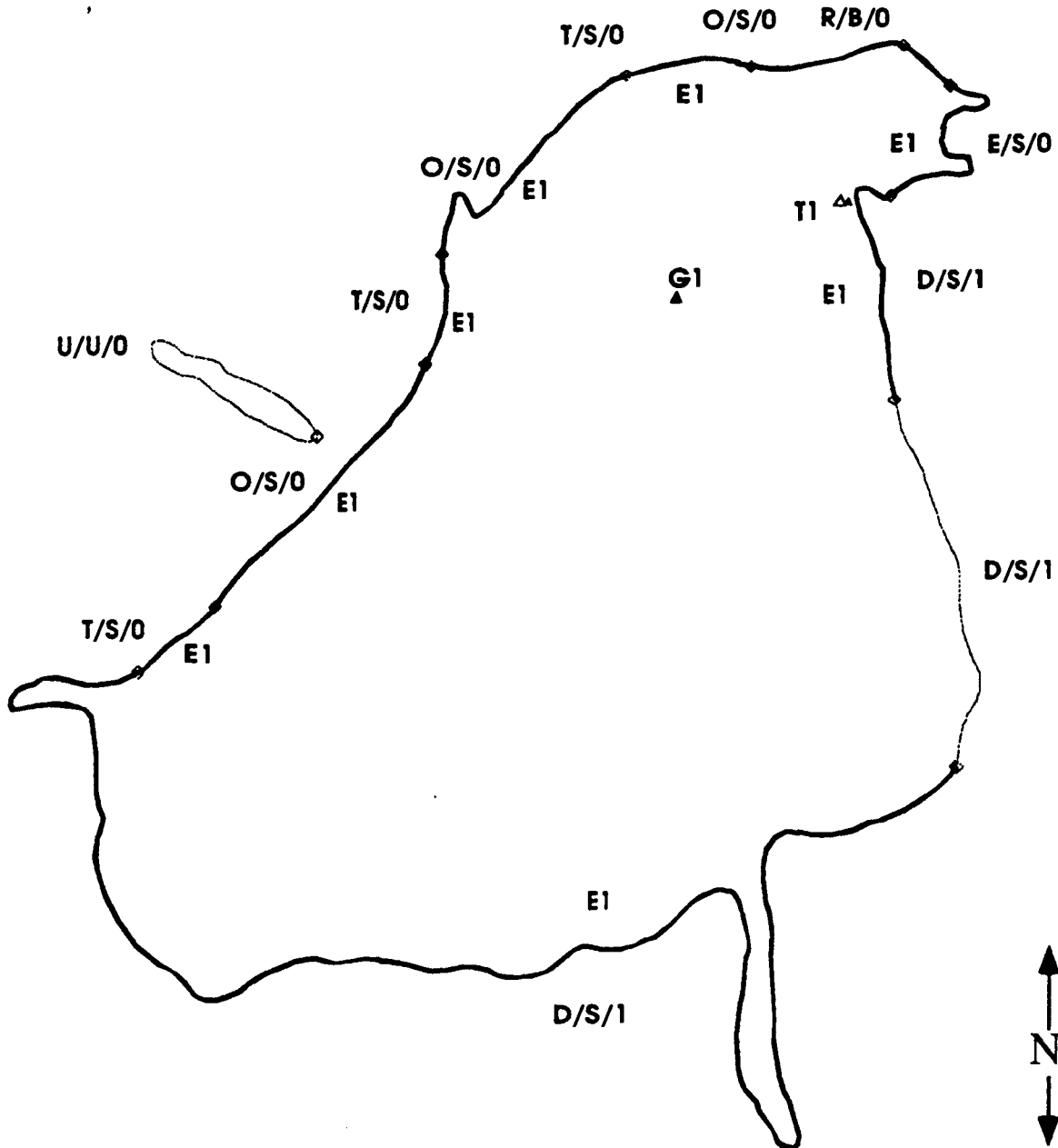
SCALE



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from 7.5 min.  
USGS topographic map  
Date completed: 4/28/87



# DIAMOND LAKE



<b>Habitat Codes</b> (given as a three character code: <b>Habitat/Substrate/Hard Cover</b> )		
<b>Habitat:</b>	<b>Substrate:</b>	<b>Hard Cover Rating:</b>
W = Woody debris	M = Mud or silt	0 = 0% woody debris and no docks.
E = Emergent vegetation	C = Clay	1 = 0% woody debris with docks or 1-33% woody debris.
R = Rip rap	S = Sand	2 = 1-33% woody debris with many docks or 34-66% woody debris.
O = Open area	G = Gravel	3 = 34-66% woody debris with many docks or greater than 67% woody debris.
D = Docks	B = Rock or boulder	
T = Retaining wall or dam face	U = Unknown	
U = Unknown		

Information compiled by the Illinois Natural History Survey, completed 10/29/86

# DRESDEN LAKE

County: GRUNDY  
 Latitude: 412117  
 Longitude: 881500

Township: T33N  
 Range: R8E  
 Section: 11

IDOC Region: 2  
 IDOC District: 7  
 IDOC Lake Number: 65  
 Storet Code: UD-BO1-D  
 IDOC Lake Class: PR  
 Lake Origin: AO  
 Natural Division: 4A

Surface Area (ha): 462.0  
 Surface Area (acres): 1108.9  
 Mean Depth (m): 3.127  
 Maximum Depth (m): 6.401  
 Shore Length (km): 24.778  
 Shoreline Dev. Index: 3.25

Year Constructed: 1971

USGS 7.5' Quad: COAL CITY/WILMINGTON  
 Major River Basin: ILLINOIS  
 Inflowing Stream: PUMP FROM KANK  
 Outflowing Stream: PUMP FROM KANK>IL

**Typical Water Chemistry:**

Secchi Disk Depth (cm): 35  
 Conductivity (umhos): 575  
 Total Alkalinity (mg/l): 171  
 pH:

Watershed Area (ha): 525  
 Storage Cap. (1000 m<sup>3</sup>): 14457.52  
 Retention Time (yrs): 12.8  
 Volume Dev. Index: 1.46

Maximum Length (km): 4.671  
 Maximum Width (km): 2.074  
 Inshore Mean Depth (m): 2.25  
 Pool Elevation (m msl): 159.1

**Climatic Information:**

Growing Season (days): 163  
 Growing Deg. Days (50°F base): 3038

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

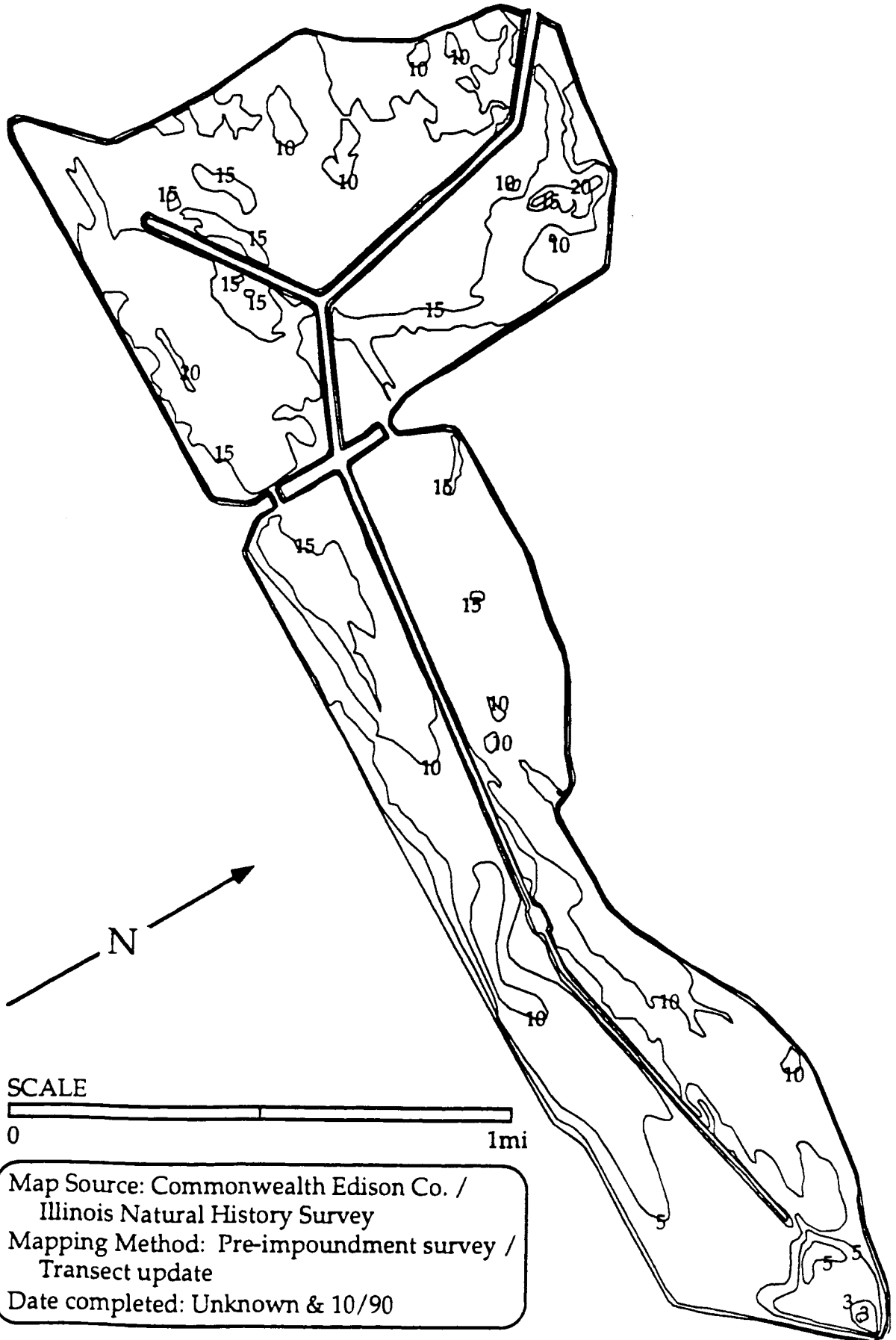
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
E/C/0	1	1
O/C/0	5	2
R/B/0	94	36

**Fish Species Present in Lake (based on IDOC sampling):**

Bluegill	Orangespotted Sunfish
Bluntnose Minnow	Shorthead Redhorse
Carp	Smallmouth Bass
Channel Catfish	Smallmouth Buffalo
Emerald Shiner	Spotfin Shiner
Freshwater Drum	Walleye
Gizzard Shad	Yellow Bullhead
Green Sunfish	
Green Sunfish X Bluegill	
Largemouth Bass	
Longear Sunfish	
Longnose Gar	

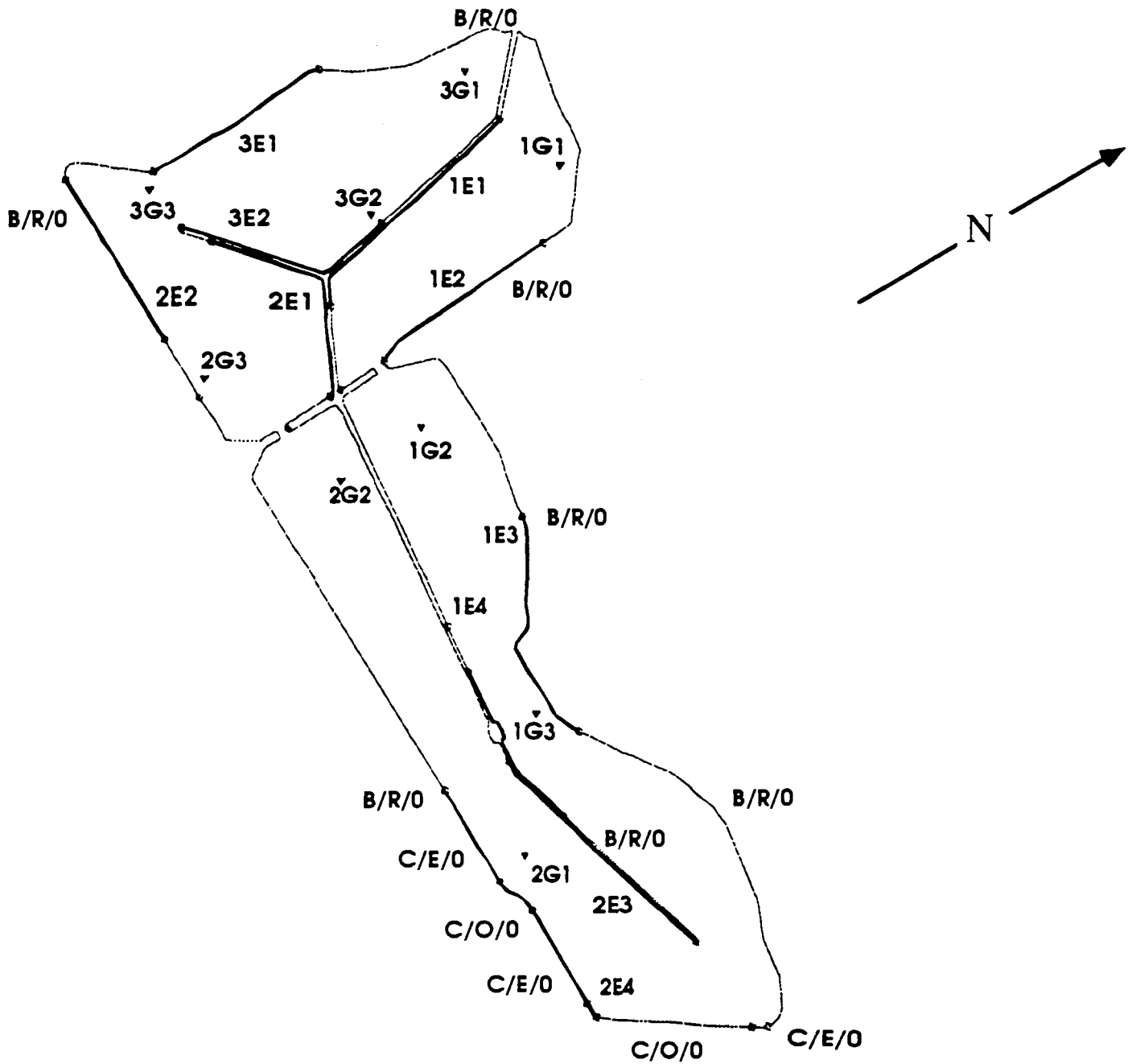
**Notes and Comments:**

# DRESDEN LAKE





# DRESDEN LAKE



**Habitat Codes** (given as a three character code: **Habitat/Substrate/Hard Cover**)

<u>Habitat:</u>	<u>Substrate:</u>	<u>Hard Cover Rating:</u>
W = Woody debris	M = Mud or silt	0 = 0% woody debris and no docks.
E = Emergent vegetation	C = Clay	1 = 0% woody debris with docks or 1-33% woody debris.
R = Rip rap	S = Sand	2 = 1-33% woody debris with many docks or 34-66% woody debris.
O = Open area	G = Gravel	3 = 34-66% woody debris with many docks or greater than 67% woody debris.
D = Docks	B = Rock or boulder	
T = Retaining wall or dam face	U = Unknown	
U = Unknown		

Information compiled by the Illinois Natural History Survey, completed 10/90

# EAST BRANCH RESERVOIR

County: DUPAGE  
 Latitude: 415546  
 Longitude: 880332

IDOC Region: 2  
 IDOC District: 5  
 IDOC Lake Number: 1495  
 Storet Code:  
 IDOC Lake Class: PU  
 Lake Origin: AQ  
 Natural Division: 3A

Surface Area (ha): 16.3  
 Surface Area (acres): 39.2  
 Mean Depth (m): 1.74  
 Maximum Depth (m): 6.4  
 Shore Length (km): 2.98  
 Shoreline Dev. Index: 2.08

Year Constructed: 1980

Watershed Area (ha): 59  
 Storage Cap. (1000 m<sup>3</sup>): 284.614  
 Retention Time (yrs):  
 Volume Dev. Index: 0.81

USGS 7.5' Quad: LOMBARD  
 Major River Basin: DES PLAINS  
 Inflowing Stream: NONE  
 Outflowing Stream: NONE(GRAVEL PIT)

Maximum Length (km): 0.78  
 Maximum Width (km): 0.5  
 Inshore Mean Depth (m): 1  
 Pool Elevation (m msl): 216.4

**Typical Water Chemistry:**

Secchi Disk Depth (cm): 67  
 Conductivity (umhos): 851  
 Total Alkalinity (mg/l): 152  
 pH: 8.6

**Climatic Information:**

Growing Season (days): 164  
 Growing Deg. Days (50°F base): 3049

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

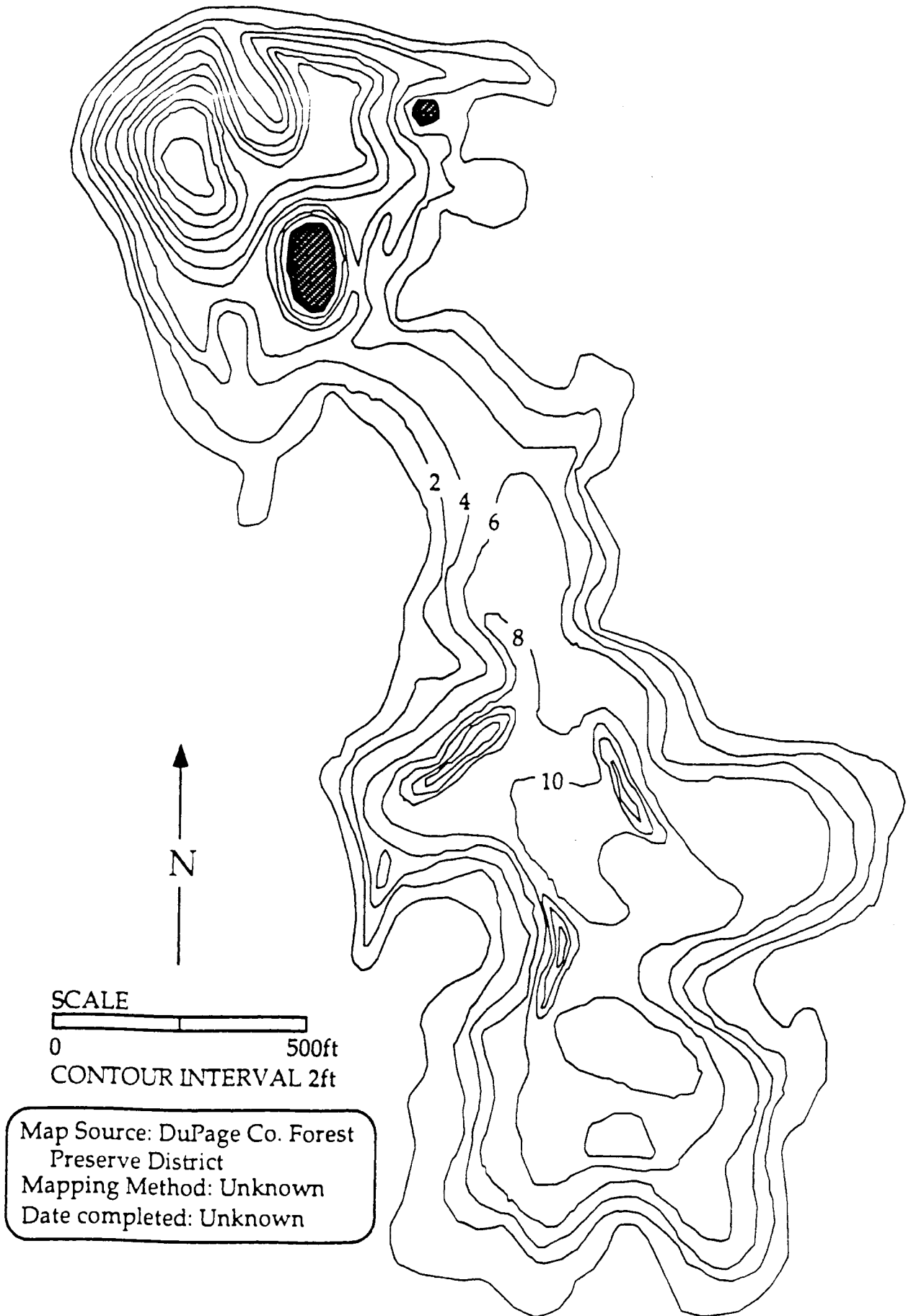
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
E/S/O	100	80

**Fish Species Present in Lake (based on IDOC sampling):**

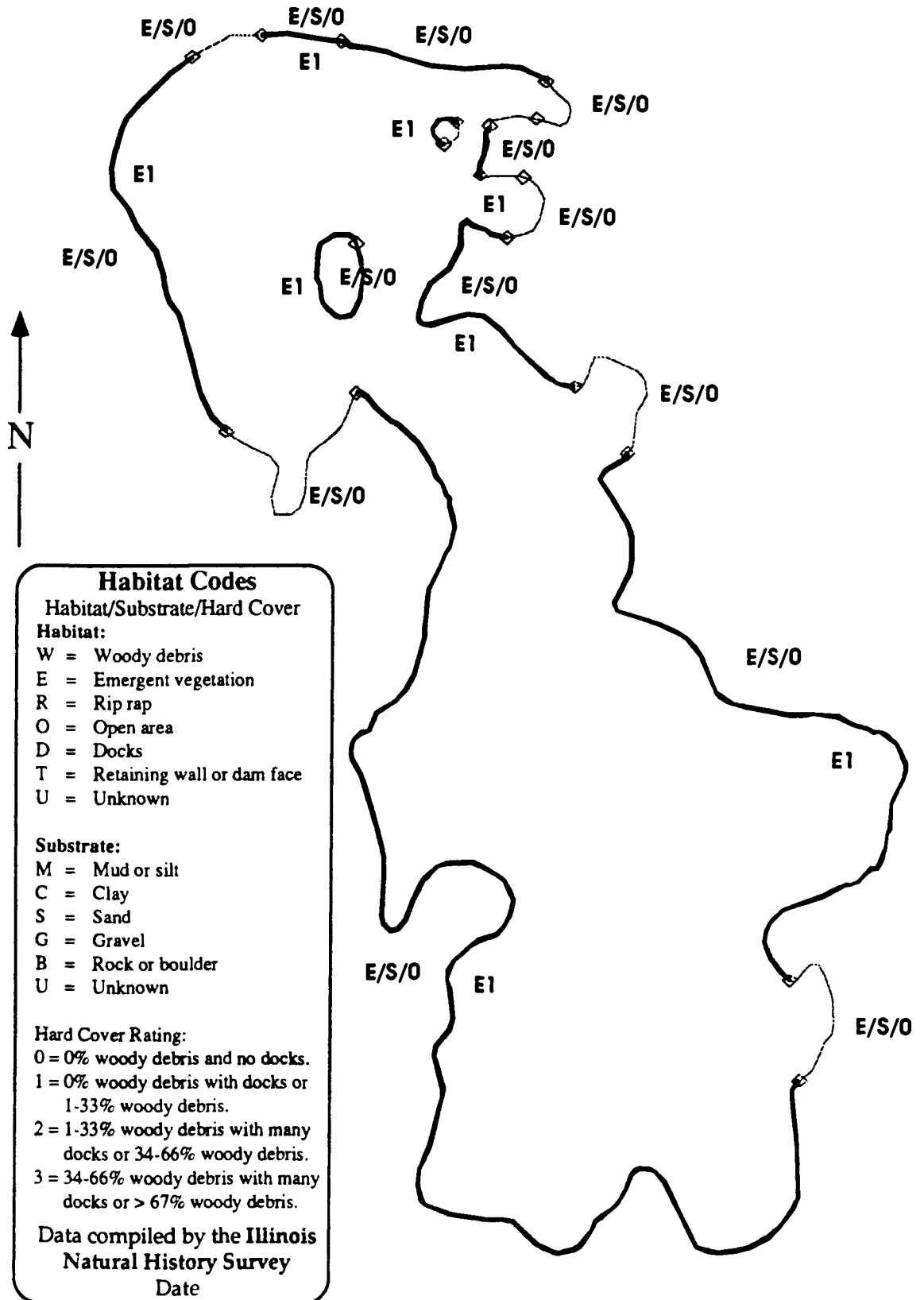
- Black Bullhead
- Bluegill
- Carp
- Channel Catfish
- Goldfish
- Green Sunfish
- Green Sunfish X Bluegill
- Largemouth Bass

**Notes and Comments:**

# EAST BRANCH RESERVOIR



# EAST BRANCH RESERVOIR



# LAKE EUREKA

County: WOODFORD  
 Latitude: 404218  
 Longitude: 891639

Township: T26N  
 Range: R2W  
 Section: 13,24

Year Constructed: 1942

USGS 7.5' Quad: EUREKA  
 Major River Basin: ILLINOIS  
 Inflowing Stream: WALNUT CR  
 Outflowing Stream: SAME>MACKINAW R>ILL R

**Typical Water Chemistry:**

Secchi Disk Depth (cm): 62  
 Conductivity (umhos): 444  
 Total Alkalinity (mg/l): 167  
 pH: 7.8

IDOC Region: 1  
 IDOC District: 4  
 IDOC Lake Number: 38  
 Storet Code: SD-A03-S  
 IDOC Lake Class: PU  
 Lake Origin: AA  
 Natural Division: 4A

Surface Area (ha): 11.2  
 Surface Area (acres): 27.0  
 Mean Depth (m): 2.4  
 Maximum Depth (m): 5.79  
 Shore Length (km): 2.32  
 Shoreline Dev. Index: 1.95

Watershed Area (ha): 688  
 Storage Cap. (1000 m<sup>3</sup>): 270.53  
 Retention Time (yrs): 0.2  
 Volume Dev. Index: 1.24

Maximum Length (km): 0.43  
 Maximum Width (km): 0.87  
 Inshore Mean Depth (m): 2.1  
 Pool Elevation (m msl): 216.4

**Climatic Information:**

Growing Season (days): 172  
 Growing Deg. Days (50°F base): 3663

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

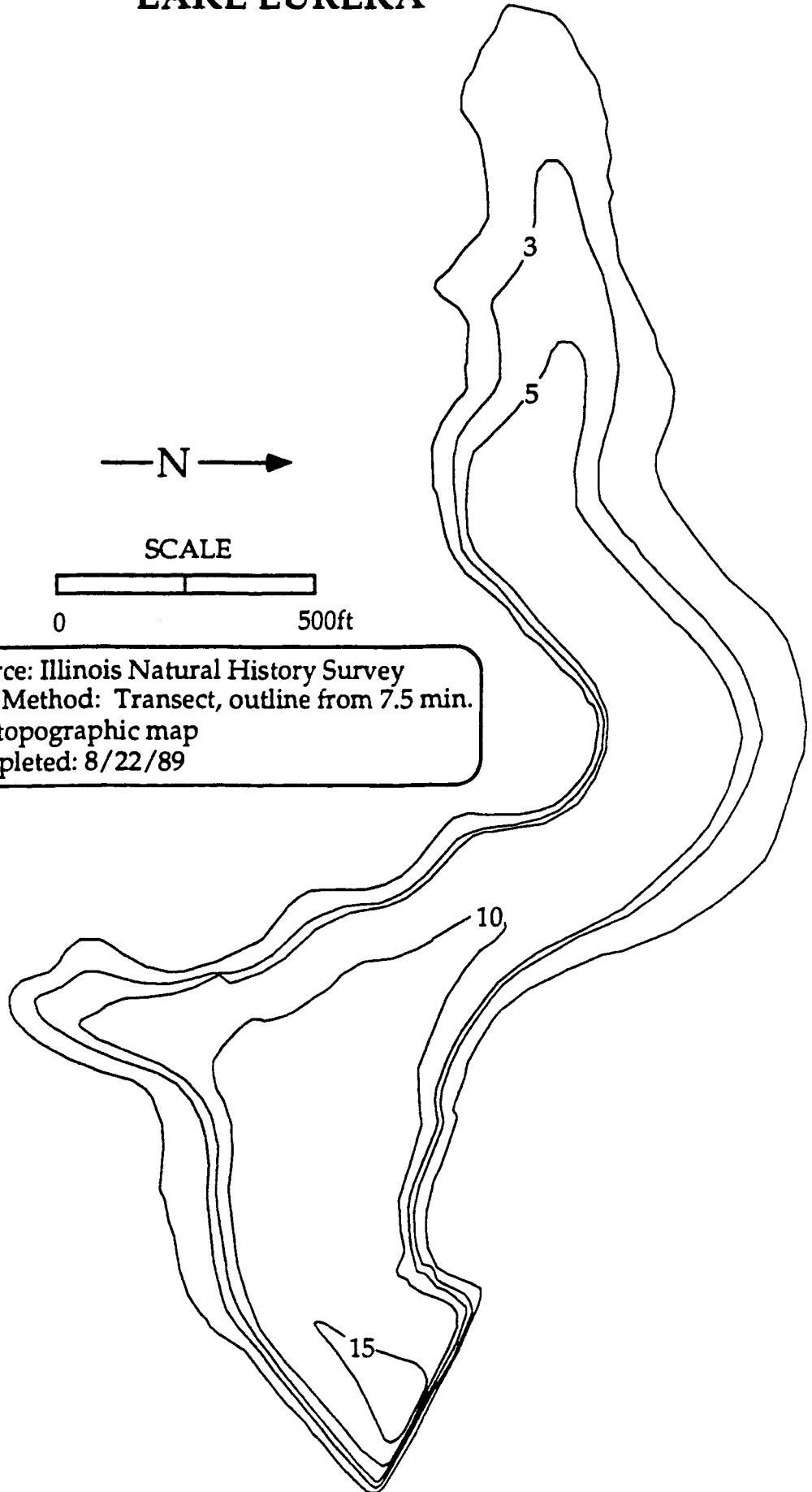
<u>Habitat Type</u>	<u>Percent of Total Shoreline</u>	<u>Percent of Total Shoreline Sampled by Electrofishing</u>
O/G/0	94	94
T/G/0	6	6

**Fish Species Present in Lake (based on IDOC sampling):**

Black Bullhead  
 Bluegill  
 Carp  
 Channel Catfish  
 Gizzard Shad  
 Golden Shiner  
 Green Sunfish  
 Largemouth Bass  
 Redear Sunfish  
 White Crappie

**Notes and Comments:**

# LAKE EUREKA



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from 7.5 min.  
USGS topographic map  
Date completed: 8/22/89



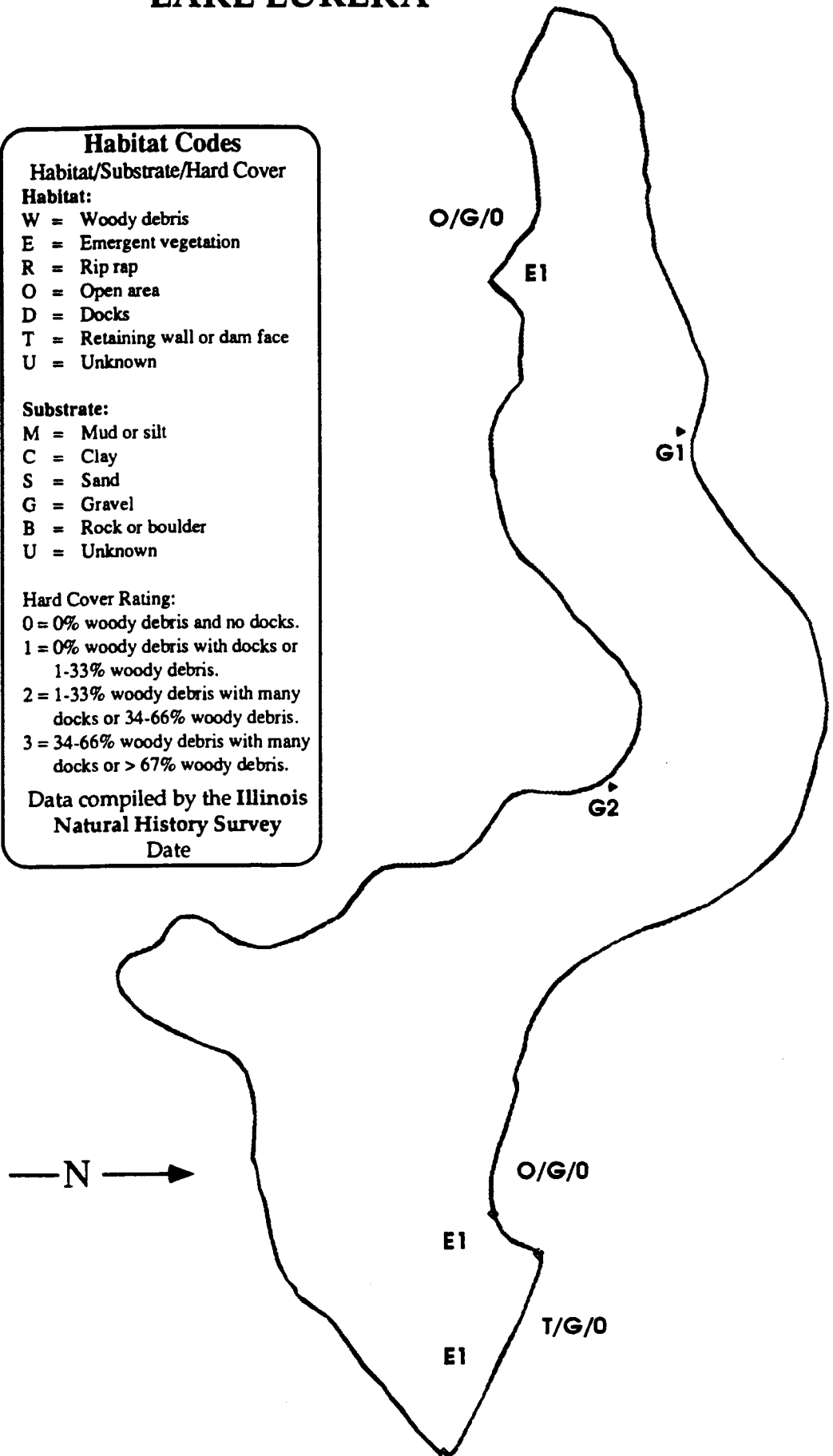
# LAKE EUREKA

**Habitat Codes**  
**Habitat/Substrate/Hard Cover**  
**Habitat:**  
 W = Woody debris  
 E = Emergent vegetation  
 R = Rip rap  
 O = Open area  
 D = Docks  
 T = Retaining wall or dam face  
 U = Unknown

**Substrate:**  
 M = Mud or silt  
 C = Clay  
 S = Sand  
 G = Gravel  
 B = Rock or boulder  
 U = Unknown

**Hard Cover Rating:**  
 0 = 0% woody debris and no docks.  
 1 = 0% woody debris with docks or 1-33% woody debris.  
 2 = 1-33% woody debris with many docks or 34-66% woody debris.  
 3 = 34-66% woody debris with many docks or > 67% woody debris.

Data compiled by the Illinois Natural History Survey  
 Date



# LAKE FAIRFIELD

County: LAKE  
 Latitude: 421714  
 Longitude: 880640

Township: T44N  
 Range: R10E  
 Section: 18

IDOC Region: 2  
 IDOC District: 6  
 IDOC Lake Number:  
 Storet Code:  
 IDOC Lake Class: PR  
 Lake Origin:  
 Natural Division: 3A

Surface Area (ha): 7.1  
 Surface Area (acres): 17.1  
 Mean Depth (m): 2.47  
 Maximum Depth (m): 5.18  
 Shore Length (km): 1.67  
 Shoreline Dev. Index: 1.76

Year Constructed:

USGS 7.5' Quad: GRAYSLAKE\*  
 Major River Basin: FOX  
 Inflowing Stream: NONE  
 Outflowing Stream: NONE

**Typical Water Chemistry:**

Secchi Disk Depth (cm): 305  
 Conductivity (umhos): 500  
 Total Alkalinity (mg/l): 137  
 pH:

Watershed Area (ha): 74  
 Storage Cap. (1000 m<sup>3</sup>): 175.05  
 Retention Time (yrs): 1.2  
 Volume Dev. Index: 1.43

Maximum Length (km): 0.37  
 Maximum Width (km): 0.52  
 Inshore Mean Depth (m): 3.75  
 Pool Elevation (m msl): 243.8

**Climatic Information:**

Growing Season (days): 158  
 Growing Deg. Days (50°F base): 2694

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

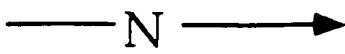
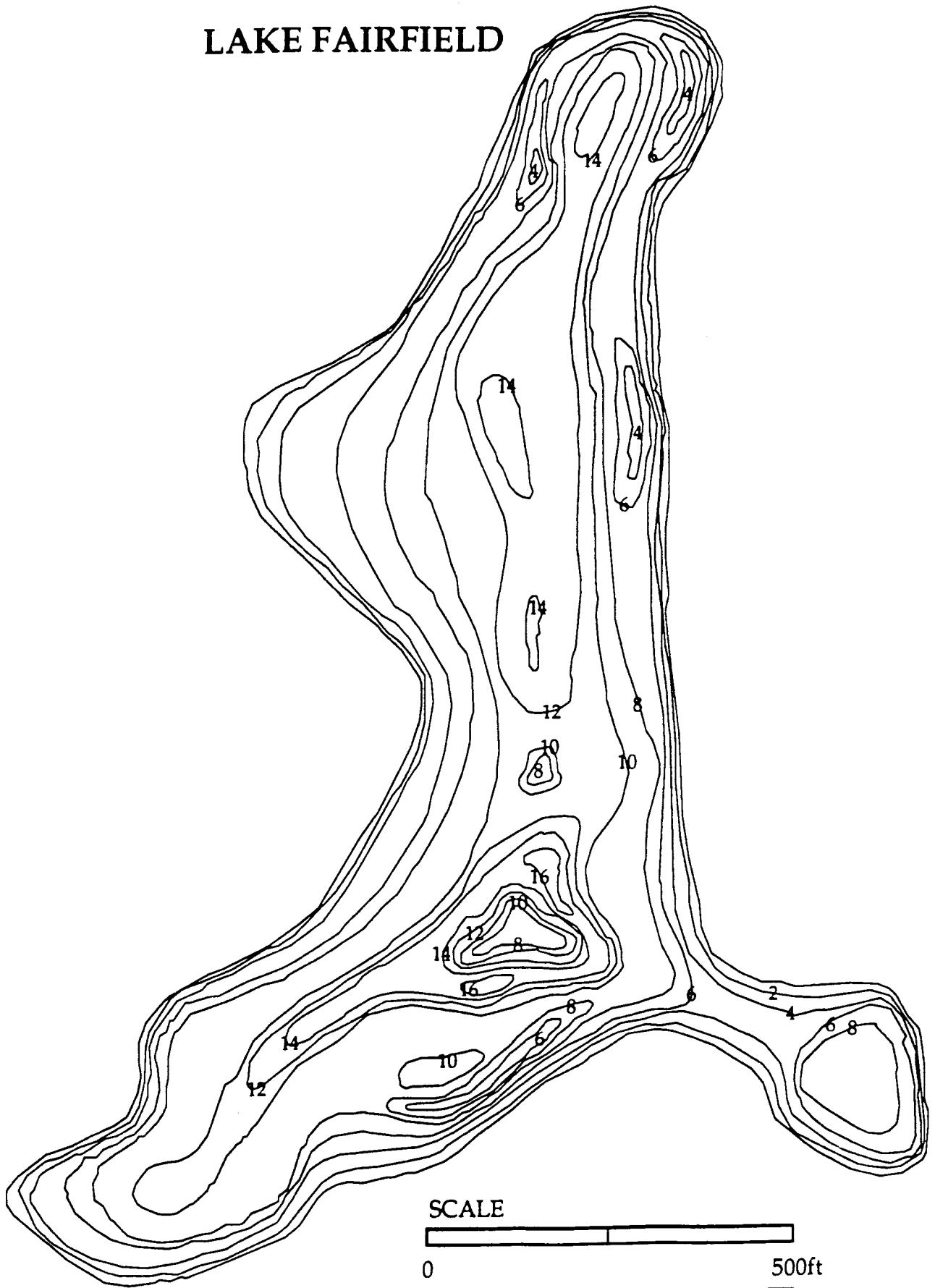
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
D/S/1	52	52
E/S/0	18	18
O/S/0	14	14
O/G/0	17	17

**Fish Species Present in Lake (based on IDOC sampling):**

Bluegill  
 Green Sunfish  
 Green Sunfish X Bluegill  
 Green Sunfish X Pumpkinseed  
 Largemouth Bass  
 Northern Pike  
 Pumpkinseed

**Notes and Comments:**

# LAKE FAIRFIELD



SCALE

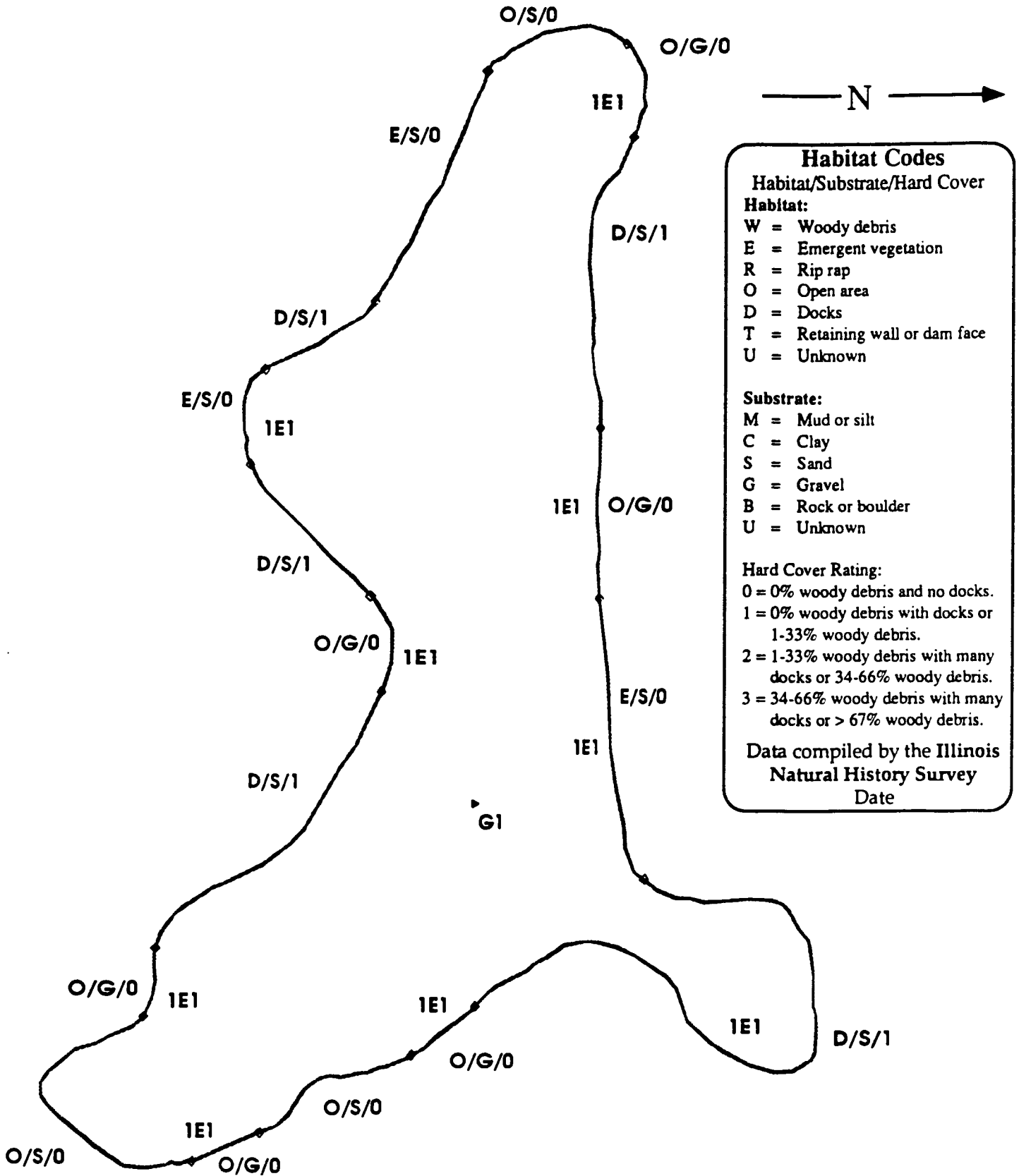


0

500ft

Map Source: Lake Co. Health Dept.  
Mapping Method: Unknown  
Date completed: 1986

# LAKE FAIRFIELD



# FOREST LAKE

County: LAKE  
 Latitude: 421252  
 Longitude: 880310

IDOC Region: 2  
 IDOC District: 6  
 IDOC Lake Number:  
 Storet Code: RG-B01-ZG  
 IDOC Lake Class: PR  
 Lake Origin:  
 Natural Division: 3A

Surface Area (ha): 15.7  
 Surface Area (acres): 37.6  
 Mean Depth (m): 1.78  
 Maximum Depth (m): 3.05  
 Shore Length (km): 2.48  
 Shoreline Dev. Index: 1.76

Year Constructed: 1934

USGS 7.5' Quad: LAKE ZURICH\*  
 Major River Basin: DES PLAINES  
 Inflowing Stream: NONE  
 Outflowing Stream: INT>INDIAN CR>DES PLAINES R

Watershed Area (ha): 174  
 Storage Cap. (1000 m<sup>3</sup>): 279.66  
 Retention Time (yrs): 0.8  
 Volume Dev. Index: 1.75

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 56  
 Conductivity (umhos): 900  
 Total Alkalinity (mg/l): 187  
 pH: 8.2

Maximum Length (km): 0.44  
 Maximum Width (km): 0.81  
 Inshore Mean Depth (m): 1.6  
 Pool Elevation (m msl): 241.7

**Climatic Information:**  
 Growing Season (days): 158  
 Growing Deg. Days (50°F base): 2694

### Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

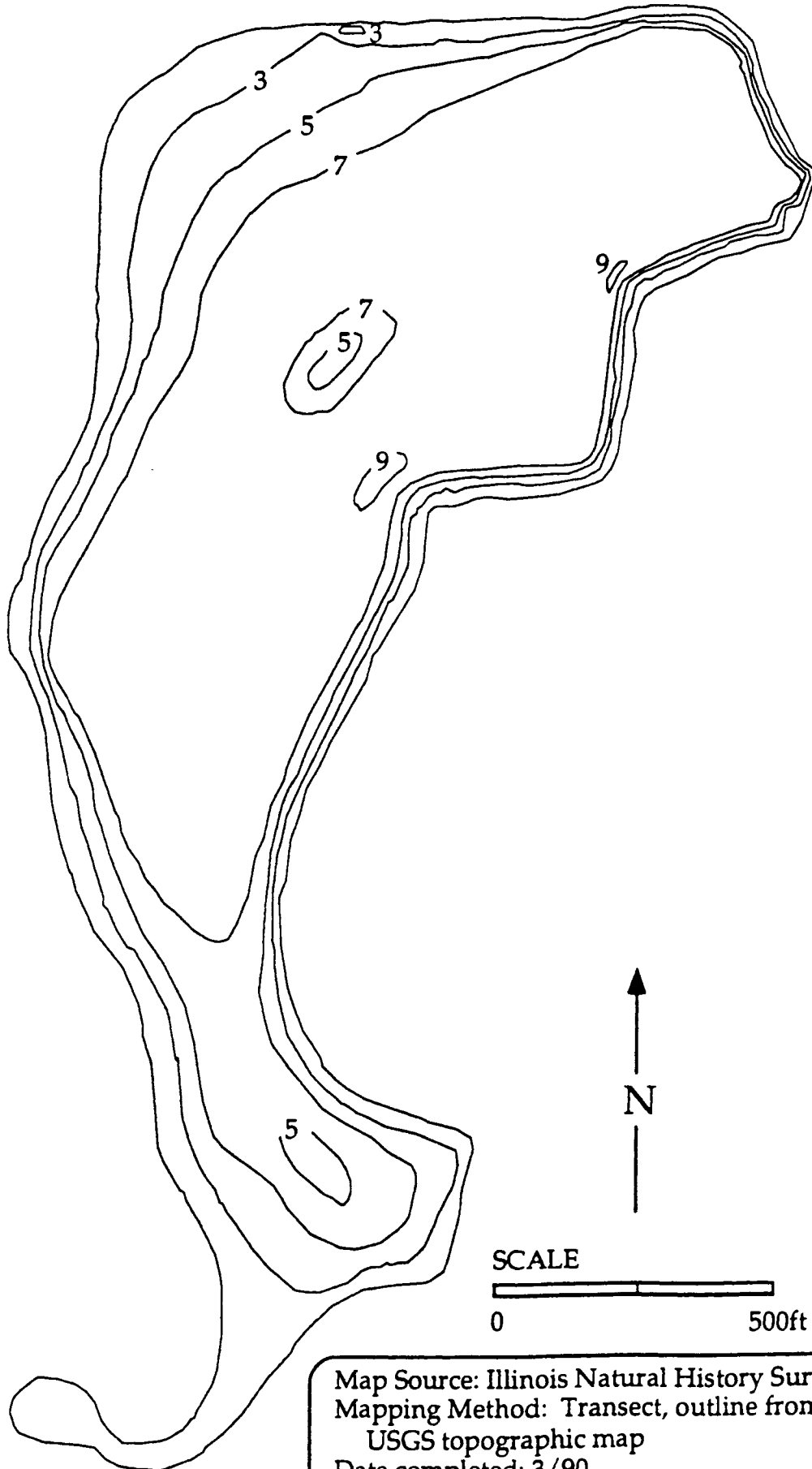
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
D/C/1	16	16
O/C/0	42	40
O/S/0	3	3
R/B/0	21	21
T/C/0	11	11
T/U/0	2	2
W/C/1	6	6

### Fish Species Present in Lake (based on IDOC sampling):

Black Crappie  
 Bluegill  
 Bluegill X Pumpkinseed  
 Bluntnose Minnow  
 Carp  
 Golden Shiner  
 Largemouth Bass  
 Northern Pike  
 Pumpkinseed  
 Warmouth  
 White Crappie  
 Yellow Perch

## Notes and Comments:

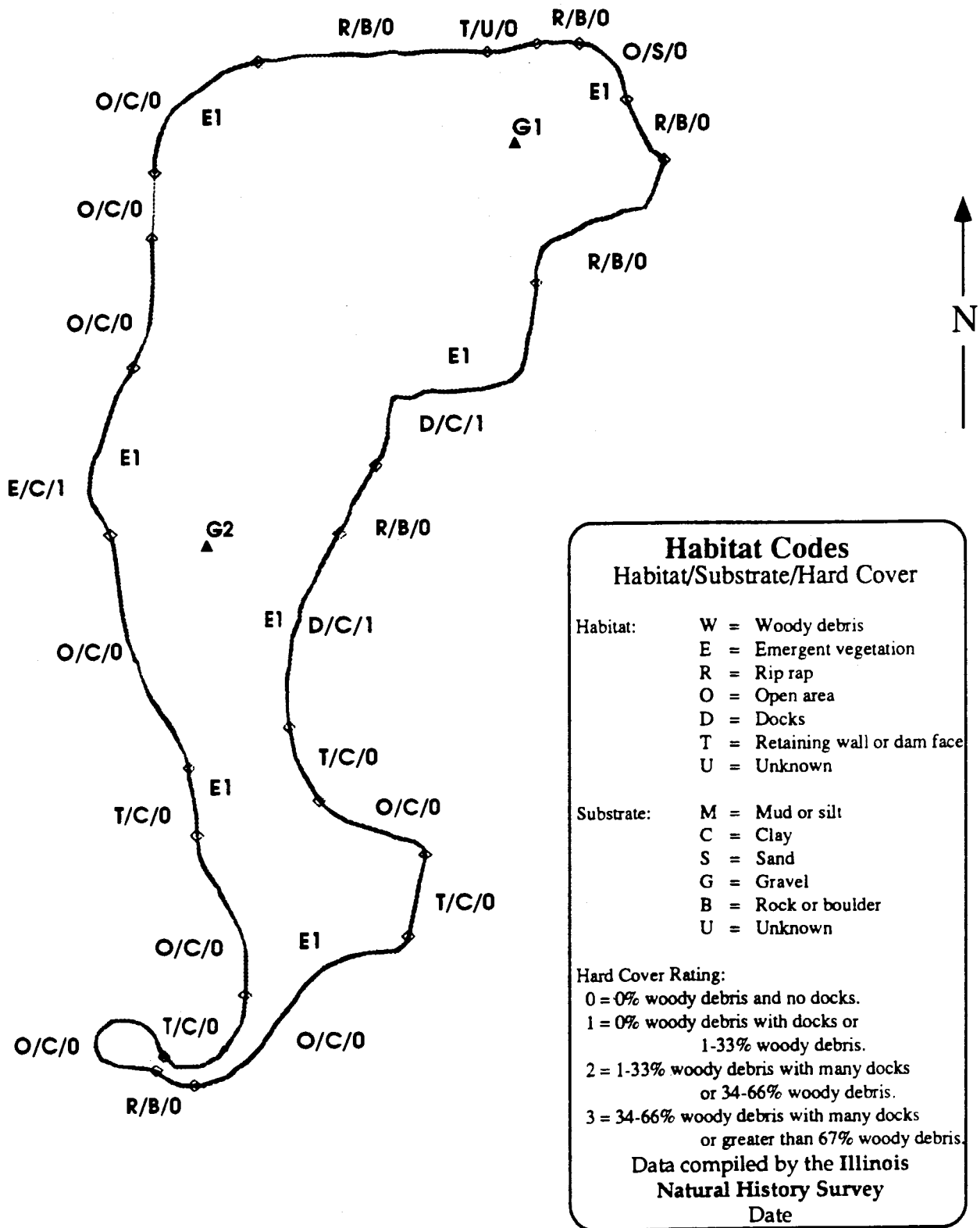
# FOREST LAKE



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from 7.5 min.  
USGS topographic map  
Date completed: 3/90



# FOREST LAKE



# FOX/NIPPERSINK

## (Fox Chain of Lakes)

County: LAKE  
 Latitude: 422435  
 Longitude: 881902

Township: T45N  
 Range: R9E  
 Section: 2,3,4,33,34

Year Constructed: 1935

USGS 7.5' Quad:  
 Major River Basin: FOX  
 Inflowing Stream: FOX R./SQUAW CR  
 Outflowing Stream: FOX R

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 37  
 Conductivity (umhos): 588  
 Total Alkalinity (mg/l): 227  
 pH: 8.3

IDOC Region: 2  
 IDOC District: 6  
 IDOC Lake Number: 4222  
 STORET Code: RT-BO1-F  
 IDOC Lake Class: PU  
 Lake Origin: NG  
 Natural Division: 3A

Surface Area (ha): 990.3  
 Surface Area (acres): 2376.8  
 Mean Depth (m): 1.378  
 Maximum Depth (m): 5.486  
 Shore Length (km): 37.045  
 Shoreline Dev. Index: 3.32

Watershed Area (ha): 336700  
 Storage Cap. (1000 m<sup>3</sup>): 13650.61  
 Retention Time (yrs): 0.1  
 Volume Dev. Index: 0.75

Maximum Length (km): 5.788  
 Maximum Width (km): 3.911  
 Inshore Mean Depth (m): 0.75  
 Pool Elevation (m msl): 224.9

**Climatic Information:**  
 Growing Season (days): 158  
 Growing Deg. Days (50°F base): 2694

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
D/S/1	2	2
D/B/1	33	15
E/M/0	16	3
E/M/2	20	4
R/B/1	3	
R/B/0	2	1
T/M/1	16	
T/B/0	6	2
U/U/0	1	0
W/M/2	1	1

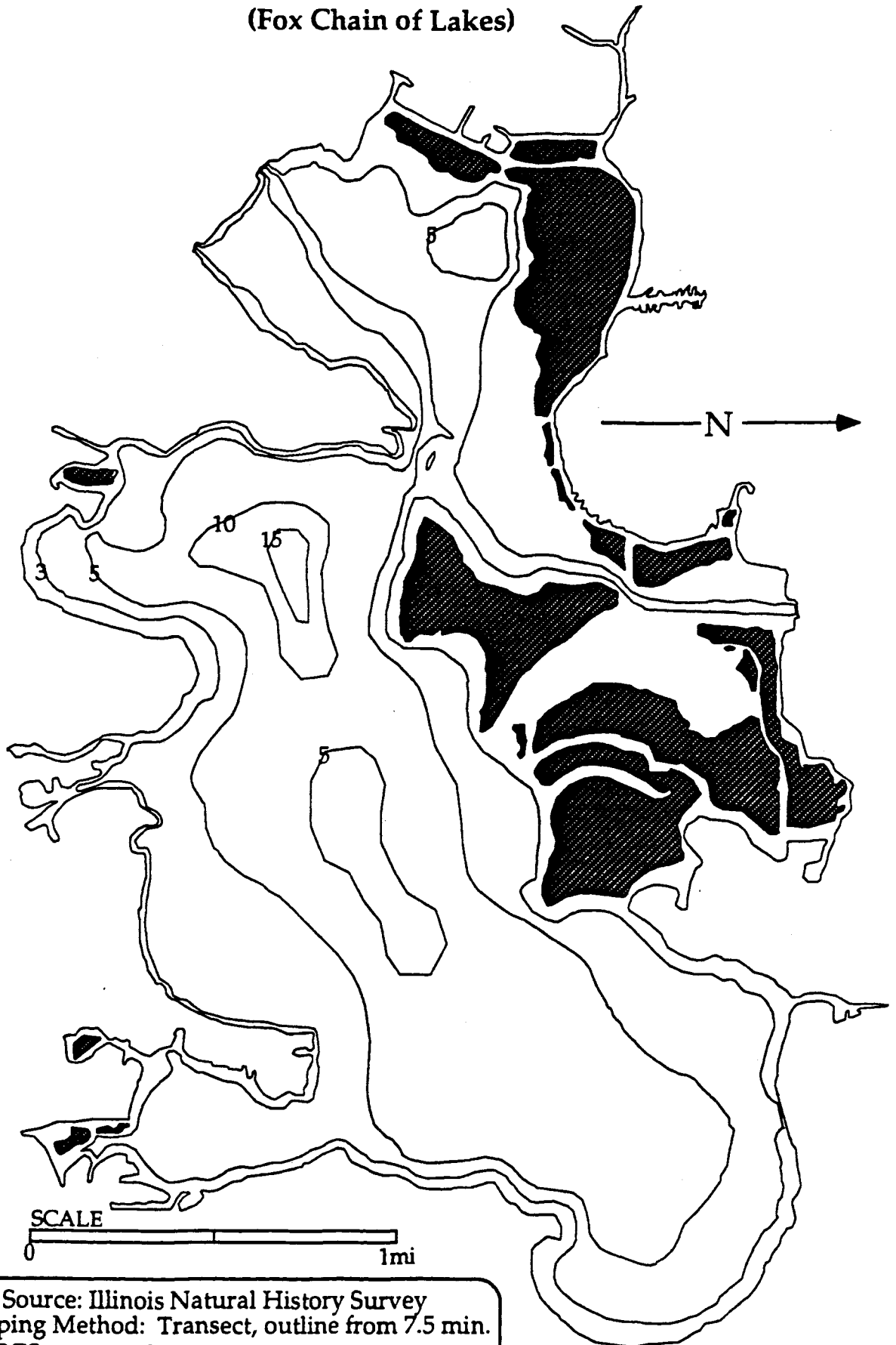
**Fish Species Present in Lake (based on IDOC sampling):**

Black Bullhead	Largemouth Bass	White Bass
Black Crappie	Logperch	White Crappie
Bluegill	Orangespotted Sunfish	White Sucker
Bluntnose Minnow	Pumpkinseed	Yellow Perch
Brown Bullhead	Pumpkinseed X Green Sunfish	Yellow Bass
Brook Silverside	Quillback Carpsucker	
Bullhead Minnow	Spotted Sucker	
Carp	Striped Shiner	
Channel Catfish	Silver Redhorse	
Emerald Shiner	Tadpole Madtom	
Golden Shiner	Walleye	
Green Sunfish	Warmouth	

## Notes and Comments:

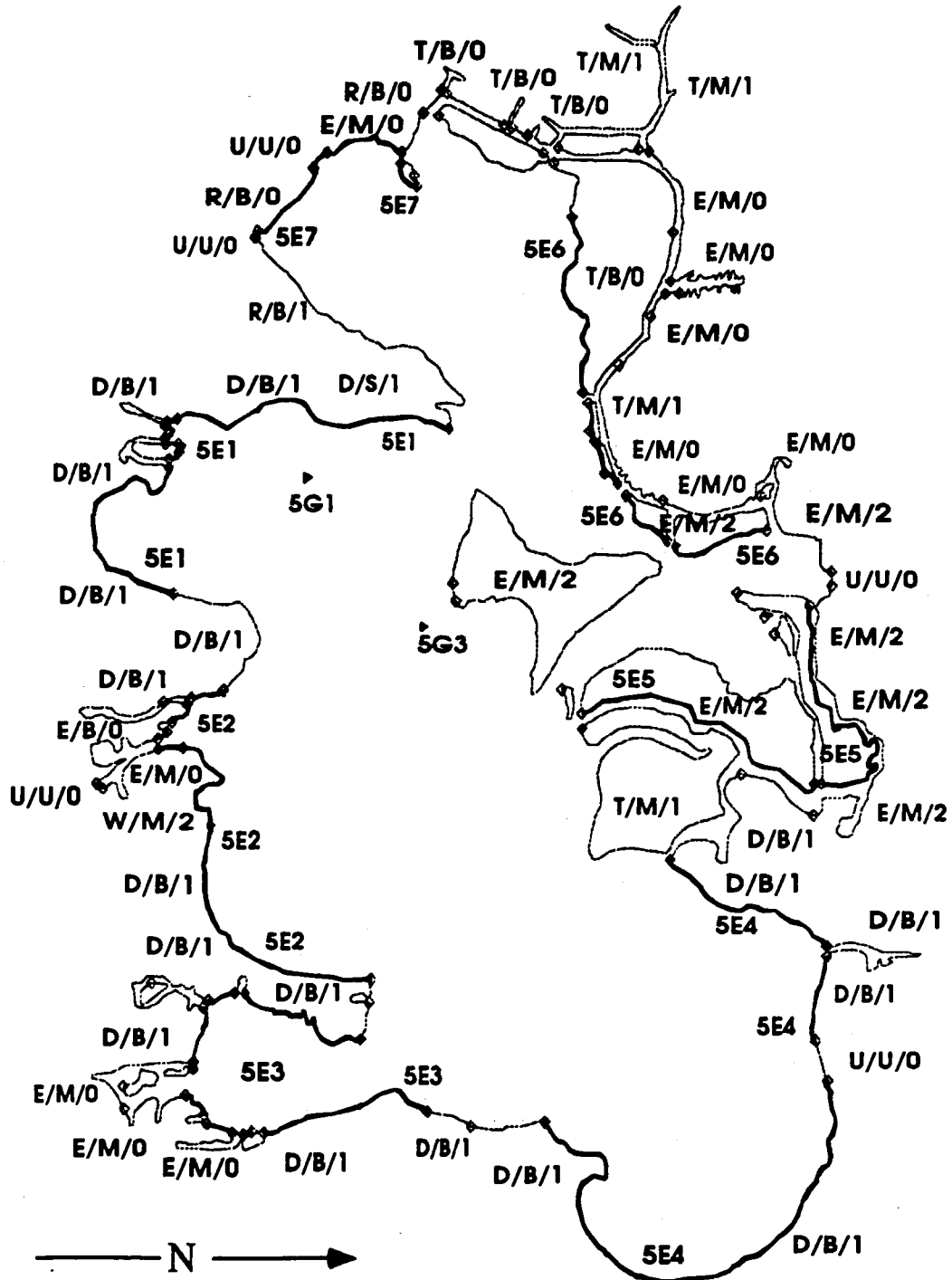
# FOX/NIPPERSINK LAKES

(Fox Chain of Lakes)



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from 7.5 min.  
USGS topographic map  
Date completed: 10/90

# FOX/NIPPERSINK LAKES



## Habitat Codes (given as a three character code: Habitat/Substrate/Hard Cover)

### Habitat:

W = Woody debris  
 E = Emergent vegetation  
 R = Rip rap  
 O = Open area  
 D = Docks  
 T = Retaining wall or dam face  
 U = Unknown

### Substrate:

M = Mud or silt  
 C = Clay  
 S = Sand  
 G = Gravel  
 B = Rock or boulder  
 U = Unknown

### Hard Cover Rating:

0 = 0% woody debris and no docks.  
 1 = 0% woody debris with docks or 1-33% woody debris.  
 2 = 1-33% woody debris with many docks or 34-66% woody debris.  
 3 = 34-66% woody debris with many docks or greater than 67% woody debris.

Information compiled by the Illinois Natural History Survey, completed 10/29/86

# GAGES LAKE

County: LAKE  
 Latitude: 422102  
 Longitude: 875948

Township: T45N  
 Range: R11E  
 Section: 30

IDOC Region: 2  
 IDOC District: 6  
 IDOC Lake Number:  
 Storet Code: RG-B01-I  
 IDOC Lake Class: PU  
 Lake Origin: NG  
 Natural Division: 3A

Surface Area (ha): 53.2  
 Surface Area (acres): 127.8  
 Mean Depth (m): 2.36  
 Maximum Depth (m): 14.63  
 Shore Length (km): 6.25  
 Shoreline Dev. Index: 2.41

Year Constructed:

USGS 7.5' Quad: LIBERTYVILLE\*/GRAYSLAKE\*  
 Major River Basin: DES PLAINES  
 Inflowing Stream: INT/MARSHES  
 Outflowing Stream: INT>MILL CR>DES PLAINES R

**Typical Water Chemistry:**

Secchi Disk Depth (cm): 107  
 Conductivity (umhos): 720  
 Total Alkalinity (mg/l): 115  
 pH: 8.0

Watershed Area (ha): 518  
 Storage Cap. (1000 m<sup>3</sup>): 1258.29  
 Retention Time (yrs): 1.7  
 Volume Dev. Index: 0.48

Maximum Length (km): 1.44  
 Maximum Width (km): 1.26  
 Inshore Mean Depth (m): 1.1  
 Pool Elevation (m msl): 237.7

**Climatic Information:**

Growing Season (days): 175  
 Growing Deg. Days (50°F base): 2755

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

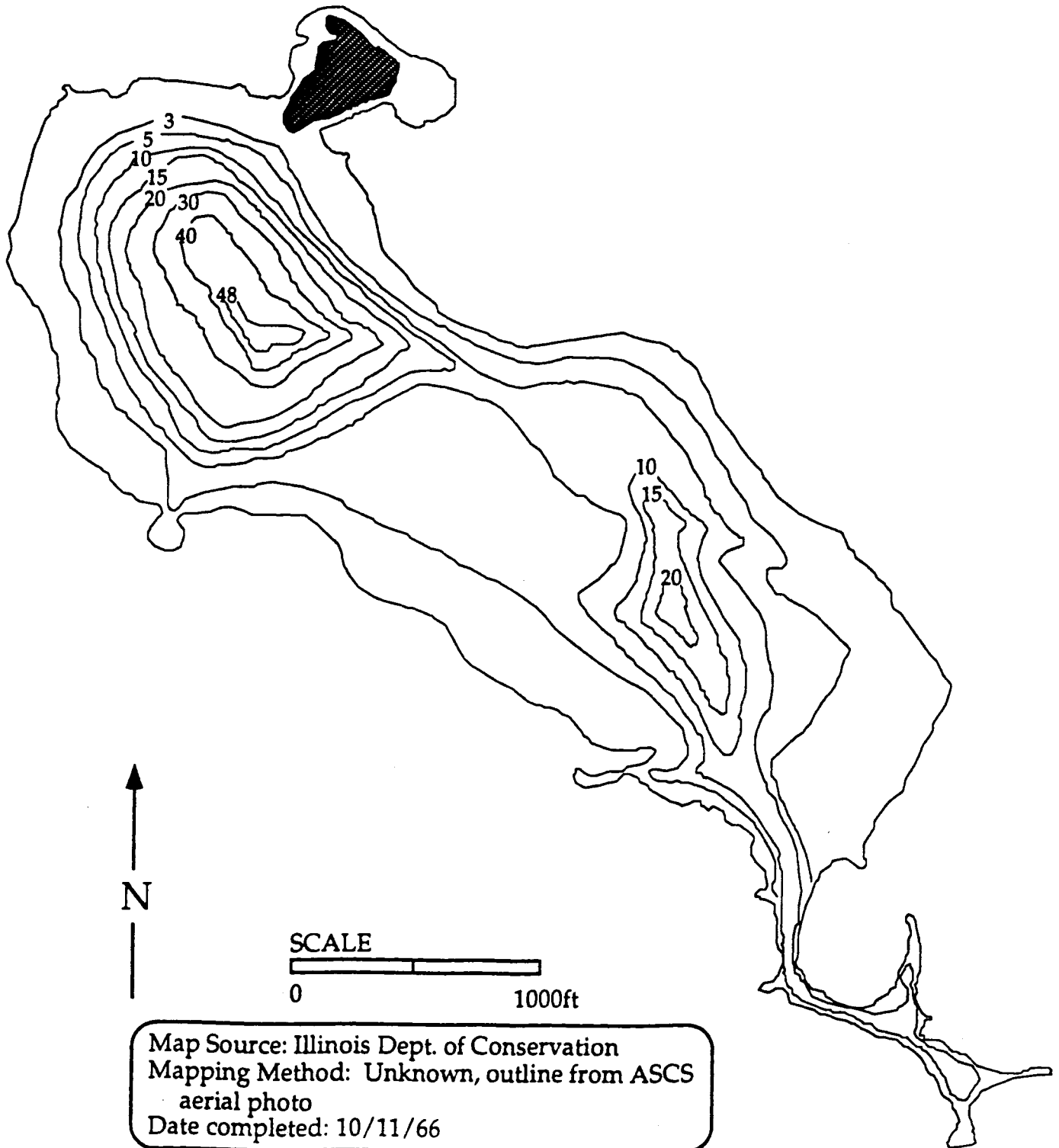
<u>Habitat Type</u>	<u>Percent of Total Shoreline</u>	<u>Percent of Total Shoreline Sampled by Electrofishing</u>
O/G/0	9	1
O/S/0	28	14
R/B/0	1	1
T/G/0	50	34
T/S/0	4	
W/S/2	1	1
W/S/1	7	7

**Fish Species Present in Lake (based on IDOC sampling):**

Black Crappie  
 Bluegill  
 Brown Bullhead  
 Carp  
 Emerald Shiner  
 Largemouth Bass  
 Pumpkinseed  
 Yellow Perch

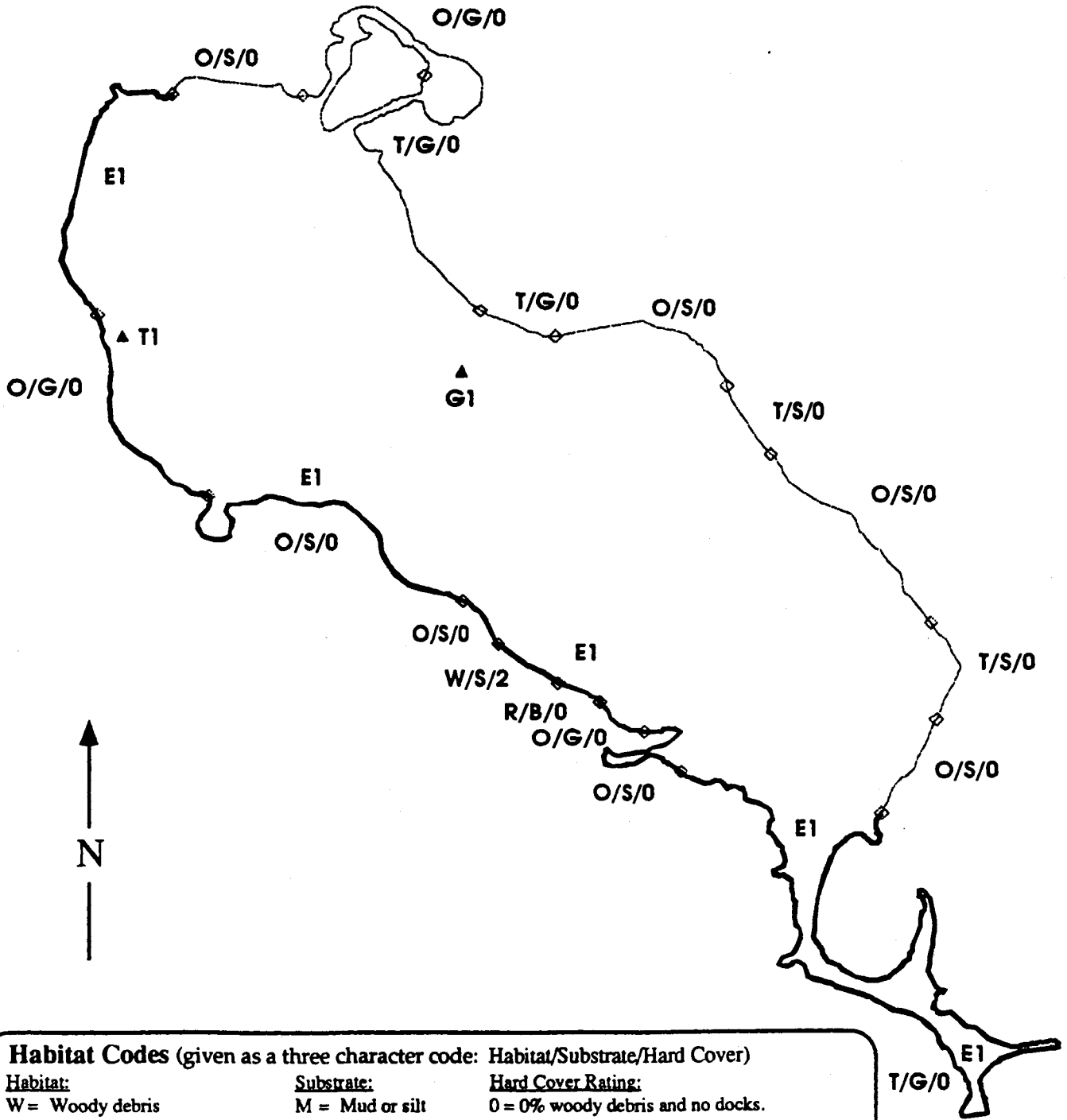
**Notes and Comments:**

# GAGES LAKE





# GAGES LAKE



## Habitat Codes (given as a three character code: Habitat/Substrate/Hard Cover)

### Habitat:

W = Woody debris  
 E = Emergent vegetation  
 R = Rip rap  
 O = Open area  
 D = Docks  
 T = Retaining wall or dam face  
 U = Unknown

### Substrate:

M = Mud or silt  
 C = Clay  
 S = Sand  
 G = Gravel  
 B = Rock or boulder  
 U = Unknown

### Hard Cover Rating:

0 = 0% woody debris and no docks.  
 1 = 0% woody debris with docks or  
 1-33% woody debris.  
 2 = 1-33% woody debris with many docks  
 or 34-66% woody debris.  
 3 = 34-66% woody debris with many docks  
 or greater than 67% woody debris.

Information compiled by the Illinois Natural History Survey, completed 10/29/86

# LAKE GEORGE

County: ROCK ISLAND  
 Latitude: 412558  
 Longitude: 904957

Township: T17N  
 Range: R4W  
 Section: 27,34,35

Year Constructed: 1966

USGS 7.5' Quad: MONTEPELIER  
 Major River Basin: MISS NO CENTRAL  
 Inflowing Stream: BIG BRANCH  
 Outflowing Stream: BIG BRANCH>MISS

**Typical Water Chemistry:**

Secchi Disk Depth (cm): 43  
 Conductivity (umhos): 410  
 Total Alkalinity (mg/l): 184  
 pH: 8.4

IDOC Region: 1  
 IDOC District: 2  
 IDOC Lake Number: 8  
 Storet Code: RL-B01-A  
 IDOC Lake Class: PU  
 Lake Origin: AA  
 Natural Division: 5B

Surface Area (ha): 65.6  
 Surface Area (acres): 157.3  
 Mean Depth (m): 6.49  
 Maximum Depth (m): 16.76  
 Shore Length (km): 10.18  
 Shoreline Dev. Index: 3.54

Watershed Area (ha): 1918  
 Storage Cap. (1000 m<sup>3</sup>): 4256.35  
 Retention Time (yrs): 1.2  
 Volume Dev. Index: 1.16

Maximum Length (km): 1.83  
 Maximum Width (km): 2.13  
 Inshore Mean Depth (m): 3.3  
 Pool Elevation (m msl): 185.9

**Climatic Information:**

Growing Season (days): 171  
 Growing Deg. Days (50°F base): 3225

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

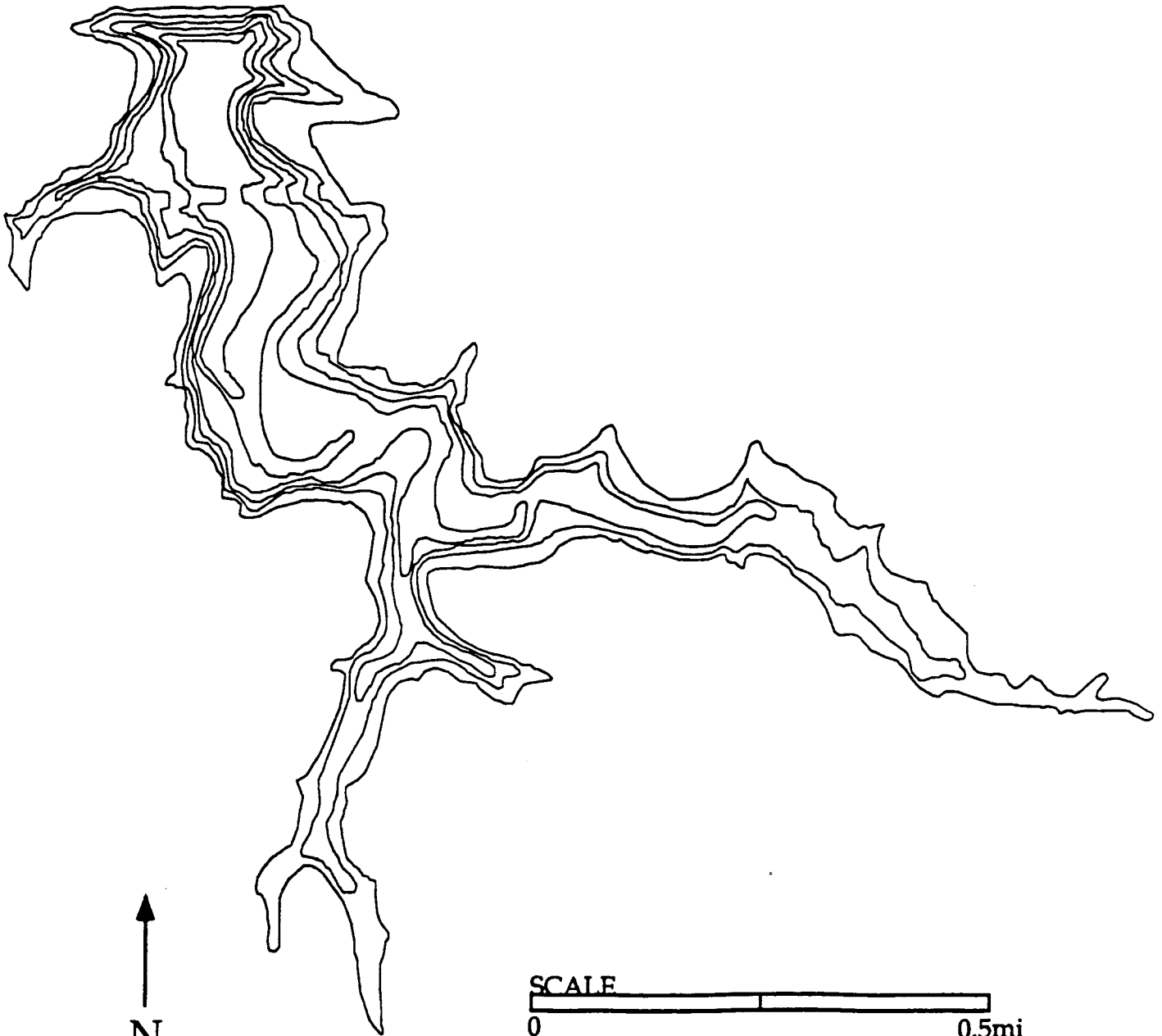
<u>Habitat Type</u>	<u>Percent of Total Shoreline</u>	<u>Percent of Total Shoreline Sampled by Electrofishing</u>
E/S/0	9	2
R/B/0	3	3
W/S/2	5	2
W/S/1	83	49

**Fish Species Present in Lake (based on IDOC sampling):**

Black Bullhead	Tiger Muskellunge
Bluegill	Walleye
Carp	White Crappie
Channel Catfish	White Sucker
Freshwater Drum	Yellow Bullhead
Gizzard Shad	
Golden Shiner	
Green Sunfish	
Largemouth Bass	
Longear Sunfish	
Muskellunge	
Redear Sunfish	

**Notes and Comments:**

# LAKE GEORGE



SCALE



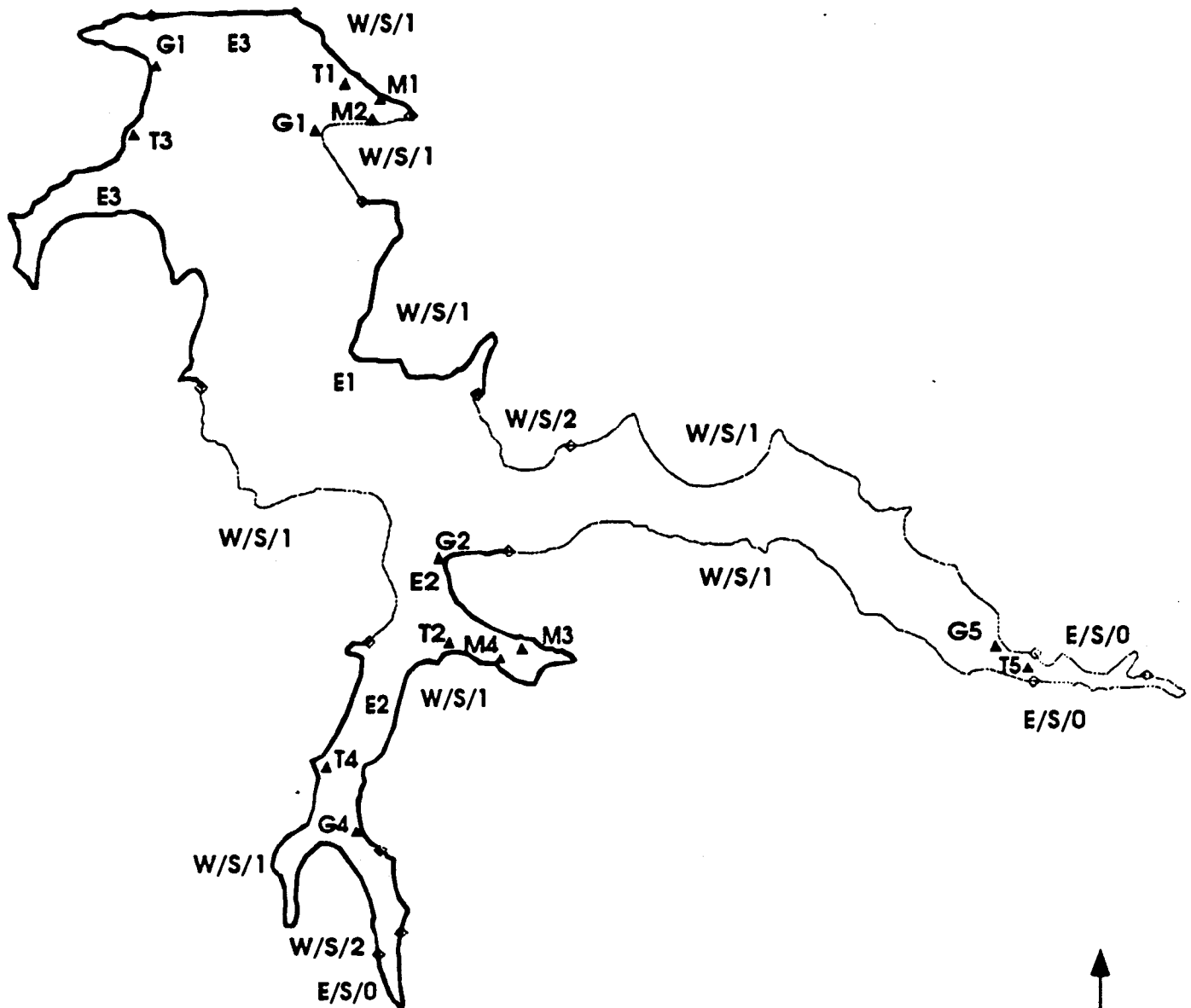
0

0.5mi

CONTOUR INTERVAL 10ft

Map Source: U.S. Geological Survey  
Mapping Method: USGS survey  
Date completed: 1975

# LAKE GEORGE



**Habitat Codes** (given as a three character code: **Habitat/Substrate/Hard Cover**)

**Habitat:**

- W = Woody debris
- E = Emergent vegetation
- R = Rip rap
- O = Open area
- D = Docks
- T = Retaining wall or dam face
- U = Unknown

**Substrate:**

- M = Mud or silt
- C = Clay
- S = Sand
- G = Gravel
- B = Rock or boulder
- U = Unknown

**Hard Cover Rating:**

- 0 = 0% woody debris and no docks.
- 1 = 0% woody debris with docks or 1-33% woody debris.
- 2 = 1-33% woody debris with many docks or 34-66% woody debris.
- 3 = 34-66% woody debris with many docks or greater than 67% woody debris.

Information compiled by the Illinois Natural History Survey, completed 9/15/88

# GEORGETOWN RESERVOIR

County: VERMILLION  
 Latitude: 395730  
 Longitude: 873842

Township: T17N  
 Range: R11W  
 Section: 6,7

IDOC Region: 3  
 IDOC District: 8  
 IDOC Lake Number: 4401  
 Storet Code: RB-A04-S  
 IDOC Lake Class: PU  
 Lake Origin: AA  
 Natural Division: 10C

Surface Area (ha): 22.9  
 Surface Area (acres): 55.1  
 Mean Depth (m): 92  
 Maximum Depth (m): 3.05  
 Shore Length (km): 9.03  
 Shoreline Dev. Index: 5.32

Year Constructed: 1936

USGS 7.5' Quad: GEORGETOWN  
 Major River Basin: WABASH  
 Inflowing Stream: LIL VERMILLION R  
 Outflowing Stream: SAME>VERMIL. R>WABASH R.

**Typical Water Chemistry:**

Secchi Disk Depth (cm): 51  
 Conductivity (umhos): 559  
 Total Alkalinity (mg/l): 185  
 pH: 8.2

Watershed Area (ha): 6993  
 Storage Cap. (1000 m<sup>3</sup>): 211.56  
 Retention Time (yrs): 0.1  
 Volume Dev. Index: 0.9

Maximum Length (km): 1.62  
 Maximum Width (km): 1.81  
 Inshore Mean Depth (m): 1.05  
 Pool Elevation (m msl): 187.7

**Climatic Information:**

Growing Season (days): 182  
 Growing Deg. Days (50°F base): 3665

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

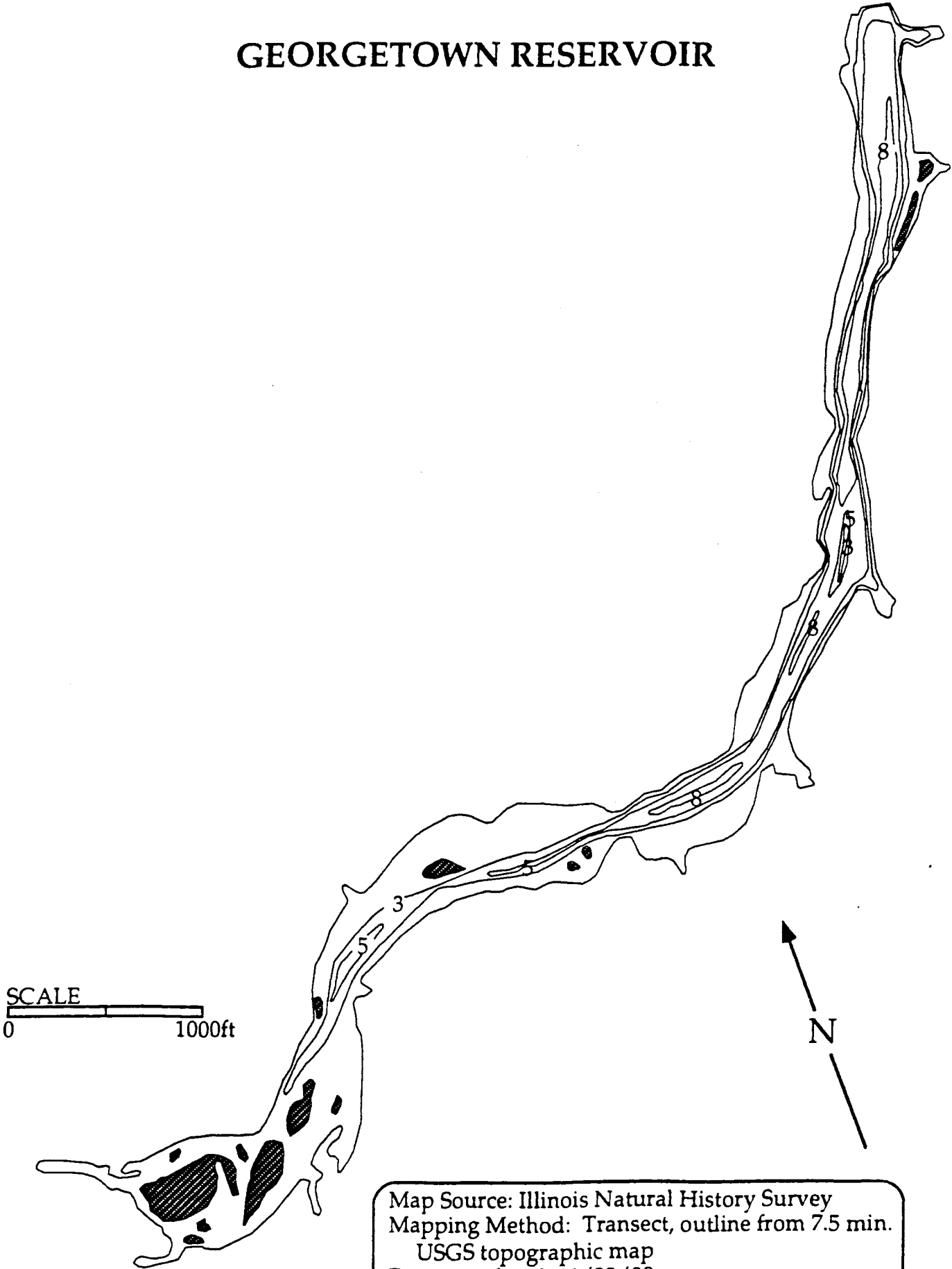
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
E/M/0	29	10
O/M/1	1	1
O/M/0	21	9
T/U/0	1	1
U/U/0	34	
W/M/1	7	1
W/M/2	7	2

**Fish Species Present in Lake (based on IDOC sampling):**

Bluegill	Spotted Sucker
Brown Bullhead	Warmouth
Carp	White Crappie
Golden Redhorse	White Sucker
Goldfish	
Green Sunfish	
Green Sunfish X Bluegill	
Largemouth Bass	
Longear Sunfish	
Orangespotted Sunfish	
Red Shiner	

**Notes and Comments:**

# GEORGETOWN RESERVOIR



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from 7.5 min.  
USGS topographic map  
Date completed: 11/23/88



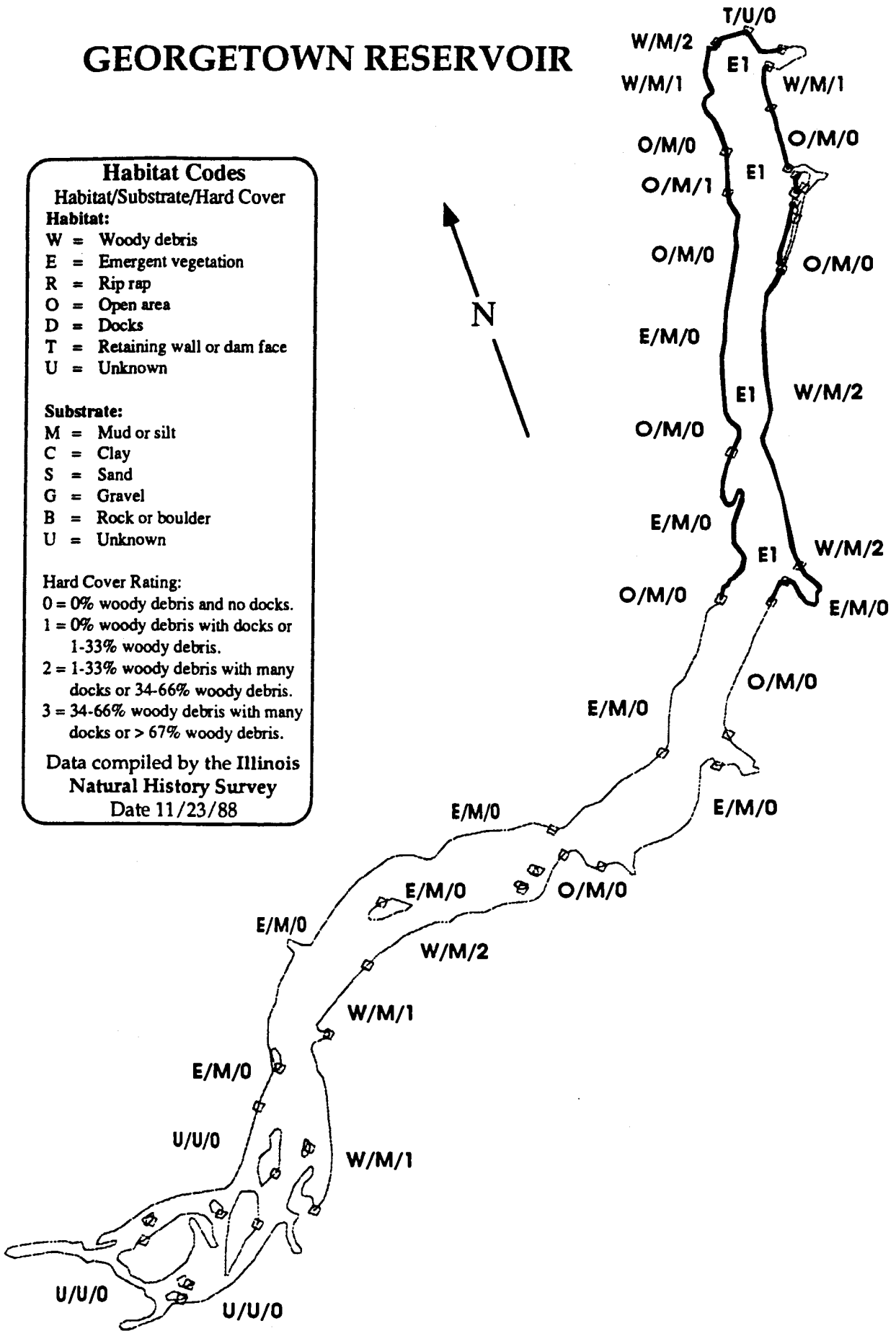
# GEORGETOWN RESERVOIR

**Habitat Codes**  
Habitat/Substrate/Hard Cover  
**Habitat:**  
W = Woody debris  
E = Emergent vegetation  
R = Rip rap  
O = Open area  
D = Docks  
T = Retaining wall or dam face  
U = Unknown

**Substrate:**  
M = Mud or silt  
C = Clay  
S = Sand  
G = Gravel  
B = Rock or boulder  
U = Unknown

**Hard Cover Rating:**  
0 = 0% woody debris and no docks.  
1 = 0% woody debris with docks or 1-33% woody debris.  
2 = 1-33% woody debris with many docks or 34-66% woody debris.  
3 = 34-66% woody debris with many docks or > 67% woody debris.

Data compiled by the Illinois Natural History Survey  
Date 11/23/88



# GRASS LAKE

## (Fox Chain of Lakes)

County: LAKE  
 Latitude: 422550  
 Longitude: 880948

Township: T46N  
 Range: R9E  
 Section: 34

IDOC Region: 2  
 IDOC District: 6  
 IDOC Lake Number: 4223  
 STORET Code: RT-B01-Q  
 IDOC Lake Class:  
 Lake Origin: NG  
 Natural Division: 3A

Surface Area (ha): 605.0  
 Surface Area (acres): 1451.4  
 Mean Depth (m): 0.686  
 Maximum Depth (m): 1.829  
 Shore Length (km): 29.104  
 Shoreline Dev. Index: 3.33

Year Constructed: 1939

USGS 7.5' Quad:  
 Major River Basin: FOX  
 Inflowing Stream: FOX R  
 Outflowing Stream: FOX R

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 29  
 Conductivity (umhos): 650  
 Total Alkalinity (mg/l): 298  
 pH: 8.4

Watershed Area (ha): 598  
 Storage Cap. (1000 m<sup>3</sup>): 4147.92  
 Retention Time (yrs): 0.1  
 Volume Dev. Index: 1.12

Maximum Length (km): 3.543  
 Maximum Width (km): 4.093  
 Inshore Mean Depth (m): 0.5  
 Pool Elevation (m msl): 224.9

**Climatic Information:**  
 Growing Season (days): 158  
 Growing Deg. Days (50°F base): 2694

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
D/M/1	2	1
E/M/0	54	31
R/B/0	6	2
T/M/1	14	
U/U/0	1	
W/M/1	24	8

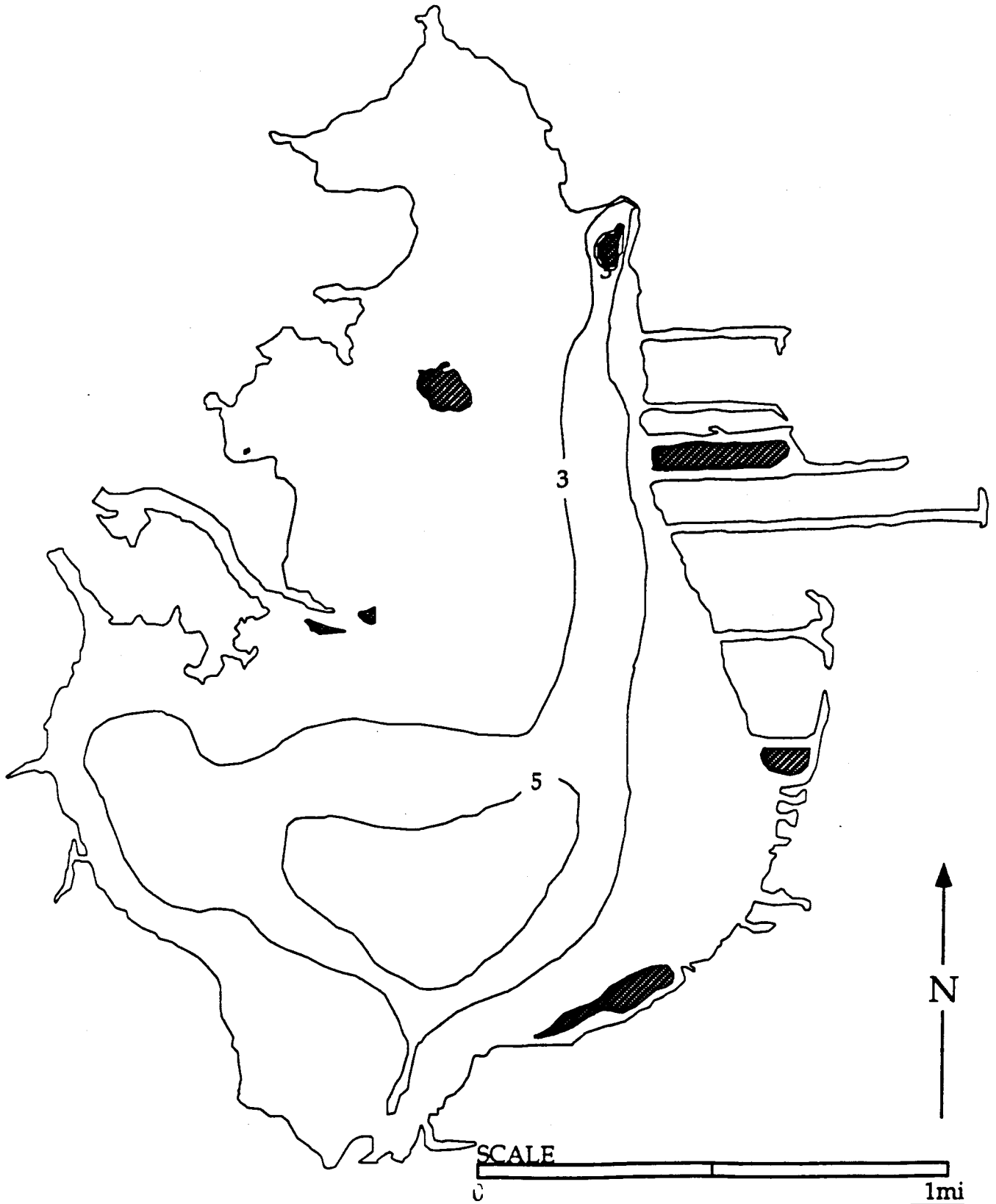
**Fish Species Present in Lake (based on IDOC sampling):**

Black Bullhead  
 Black Crappie  
 Bluegill  
 Bowfin  
 Brown Bullhead  
 Brook Silverside  
 Carp  
 Channel Catfish  
 Golden Shiner  
 Green Sunfish  
 Largemouth Bass  
 Logperch  
 Orangespotted Sunfish

Pumpkinseed  
 Quillback Carpsucker  
 Spotted Sucker  
 Shorthead Redhorse  
 Tadpole Madtom  
 Walleye  
 Warmouth  
 White Bass  
 White Crappie  
 Yellow Bullhead  
 Yellow Perch  
 Yellow Bass

**Notes and Comments:**

# GRASS LAKE



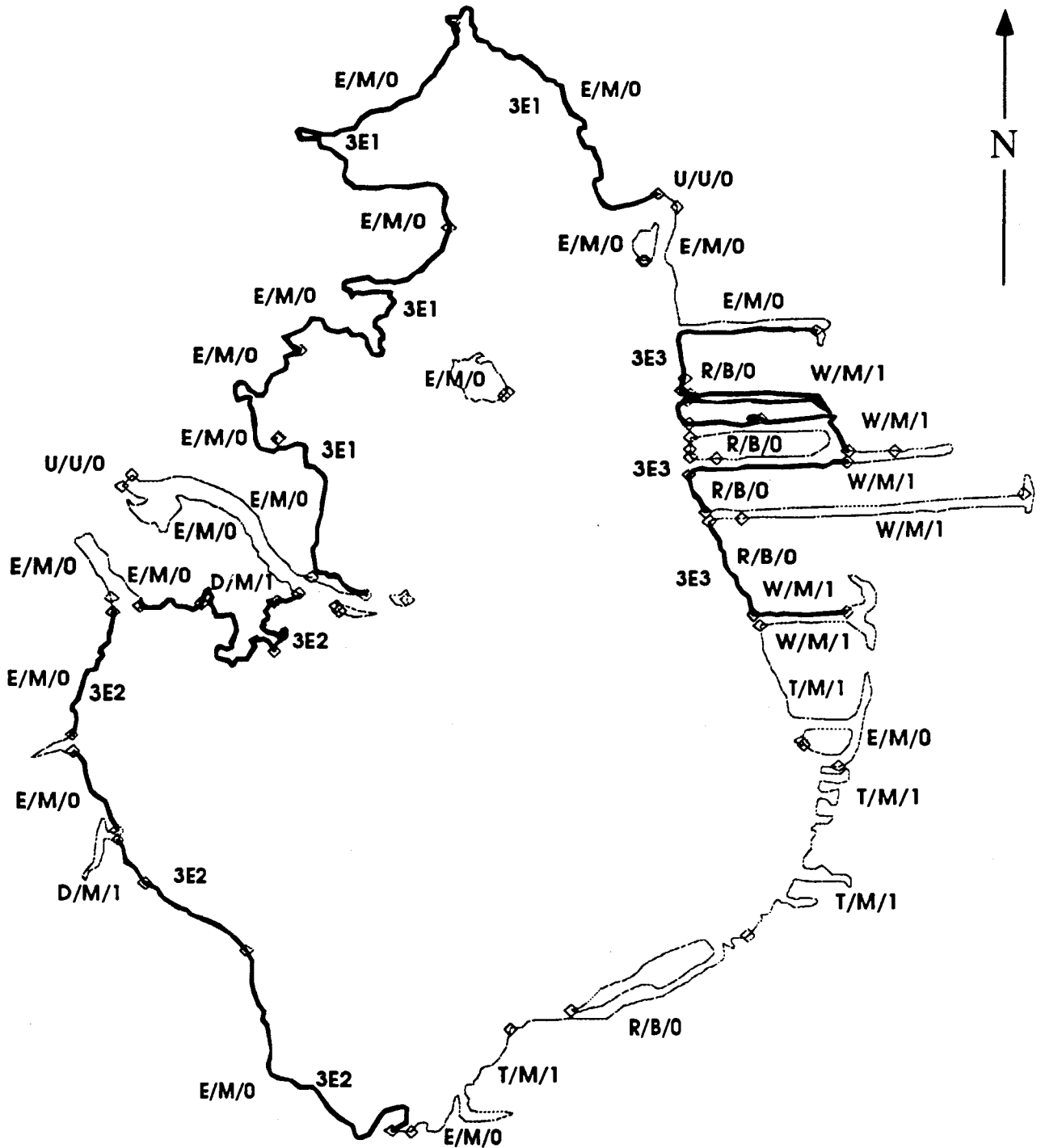
SCALE

0

1mi

Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from 7.5 min.  
USGS topographic map  
Date completed: 10/90

# GRASS LAKE



**Habitat Codes** (given as a three character code: Habitat/Substrate/Hard Cover)

**Habitat:**

- W = Woody debris
- E = Emergent vegetation
- R = Rip rap
- O = Open area
- D = Docks
- T = Retaining wall or dam face
- U = Unknown

**Substrate:**

- M = Mud or silt
- C = Clay
- S = Sand
- G = Gravel
- B = Rock or boulder
- U = Unknown

**Hard Cover Rating:**

- 0 = 0% woody debris and no docks.
- 1 = 0% woody debris with docks or 1-33% woody debris.
- 2 = 1-33% woody debris with many docks or 34-66% woody debris.
- 3 = 34-66% woody debris with many docks or greater than 67% woody debris.

Information compiled by the Illinois Natural History Survey, completed 10/29/86

# HEIDECKE LAKE

County: GRUNDY  
 Latitude: 412151  
 Longitude: 882136

Township: T33N,T3  
 Range: R7E,R8E  
 Section: 32,33,4,5,6

IDOC Region: 2  
 IDOC District: 7  
 IDOC Lake Number: 59  
 Storet Code: SD-B01-X  
 IDOC Lake Class: ST  
 Lake Origin: AO  
 Natural Division: 4A

Surface Area (ha): 791.3  
 Surface Area (acres): 1899.1  
 Mean Depth (m): 2.75  
 Maximum Depth (m): 18.29  
 Shore Length (km): 27.41  
 Shoreline Dev. Index: 2.75

Year Constructed: 1976

USGS 7.5' Quad: COAL CITY\*/MINOOKA\*  
 Major River Basin: ILLINOIS  
 Inflowing Stream: IL R  
 Outflowing Stream: PUMPED TO IL R

**Typical Water Chemistry:**

Secchi Disk Depth (cm): 75  
 Conductivity (umhos): 1830  
 Total Alkalinity (mg/l): 171  
 pH: 8.2

Watershed Area (ha): 1332  
 Storage Cap. (1000 m<sup>3</sup>): 24670  
 Retention Time (yrs): N/A  
 Volume Dev. Index: 0.45

Maximum Length (km):  
 Maximum Width (km):  
 Inshore Mean Depth (m): 1.16  
 Pool Elevation (m msl): 152.4

**Climatic Information:**

Growing Season (days): 163  
 Growing Deg. Days (50°F base): 3038

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
R/B/0	86	25
W/C/1	14	9

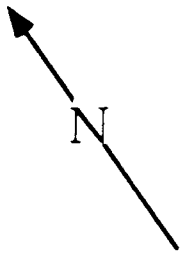
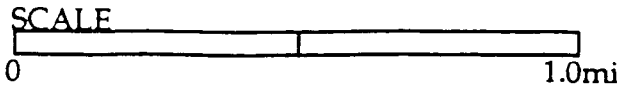
**Fish Species Present in Lake (based on IDOC sampling):**

Black Bullhead	Gizzard Shad	Redear Sunfish
Blacknose Shiner	Golden Shiner	Shorthead Redhorse
Blackstripe Topminnow	Goldfish	Slenderhead Darter
Bluegill	Green Sunfish	Smallmouth Bass
Bluntnose Minnow	Green Sunfish X Bluegill	Smallmouth Buffalo
Brook Silverside	Hybrid Striped Bass	Striped Bass
Bullhead Minnow	Largemouth Bass	Threadfin Shad
Carp	Logperch	Tiger Muskellunge
Carp X Goldfish	Longnose Gar	Walleye
Channel Catfish	Muskellunge	White Bass
Emerald Shiner	Pumpkinseed	White Crappie
Freshwater Drum	Red Shiner	White Sucker

**Notes and Comments:**

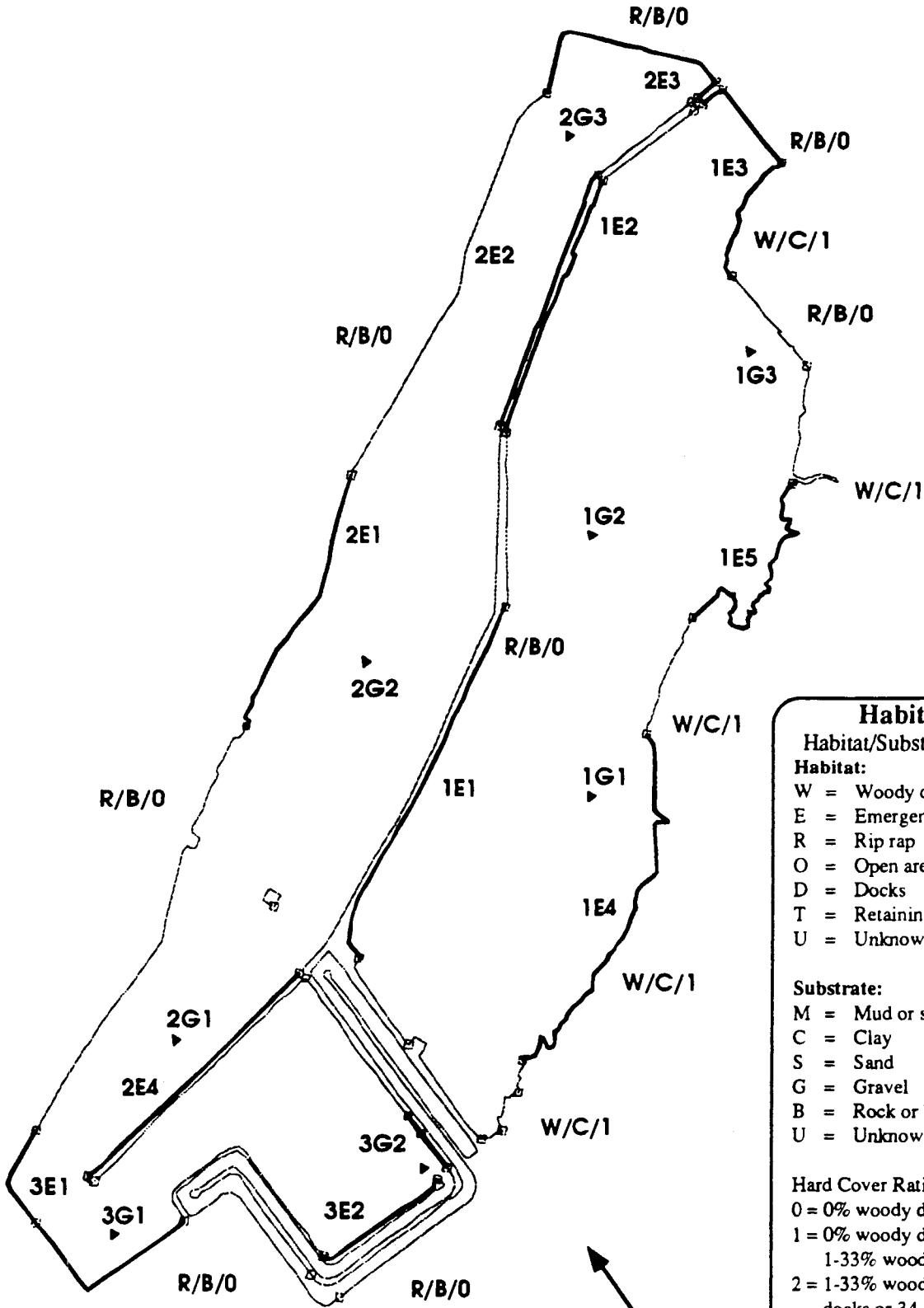
# HEIDECKE LAKE

Map Source: Illinois Dept. of Conservation /  
Illinois Natural History Survey  
Mapping Method: Transect, outline from ASCS  
aerial photo  
Date completed: Unknown/ update on 4/28/91





# HEIDECKE LAKE



**Habitat Codes**  
Habitat/Substrate/Hard Cover

**Habitat:**  
W = Woody debris  
E = Emergent vegetation  
R = Rip rap  
O = Open area  
D = Docks  
T = Retaining wall or dam face  
U = Unknown

**Substrate:**  
M = Mud or silt  
C = Clay  
S = Sand  
G = Gravel  
B = Rock or boulder  
U = Unknown

**Hard Cover Rating:**  
0 = 0% woody debris and no docks.  
1 = 0% woody debris with docks or 1-33% woody debris.  
2 = 1-33% woody debris with many docks or 34-66% woody debris.  
3 = 34-66% woody debris with many docks or > 67% woody debris.

Data compiled by the Illinois Natural History Survey  
Date 4/28/91

# HERRICK LAKE

County: DUPAGE  
 Latitude: 414942  
 Longitude: 880836

Township: T39N  
 Range: R10E  
 Section: 30,31

IDOC Region: 2  
 IDOC District: 5  
 IDOC Lake Number: 74  
 STORET Code: WG-A09-M  
 IDOC Lake Class: PU  
 Lake Origin:  
 Natural Division: 3A-

Surface Area (ha): 7.5  
 Surface Area (acres): 18.0  
 Mean Depth (m): 1.664  
 Maximum Depth (m): 3.962  
 Shore Length (km): 1.725  
 Shoreline Dev. Index: 1.77

Year Constructed: 1930

USGS 7.5' Quad: NAPERVILLE  
 Major River Basin: DES PLAINES  
 Inflowing Stream: CONNECTED TO LAKE VIA CANAL  
 Outflowing Stream: INT

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 54  
 Conductivity (umhos): 468  
 Total Alkalinity (mg/l): 135  
 pH: 8.7

Watershed Area (ha): 111  
 Storage Cap. (1000 m<sup>3</sup>): 125.218  
 Retention Time (yrs): 0.5  
 Volume Dev. Index: 1.26

Maximum Length (km): 0.465  
 Maximum Width (km): 0.414  
 Inshore Mean Depth (m): 1.2  
 Pool Elevation (m msl): 228.6

**Climatic Information:**  
 Growing Season (days): 164  
 Growing Deg. Days (50°F base): 3049

## Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

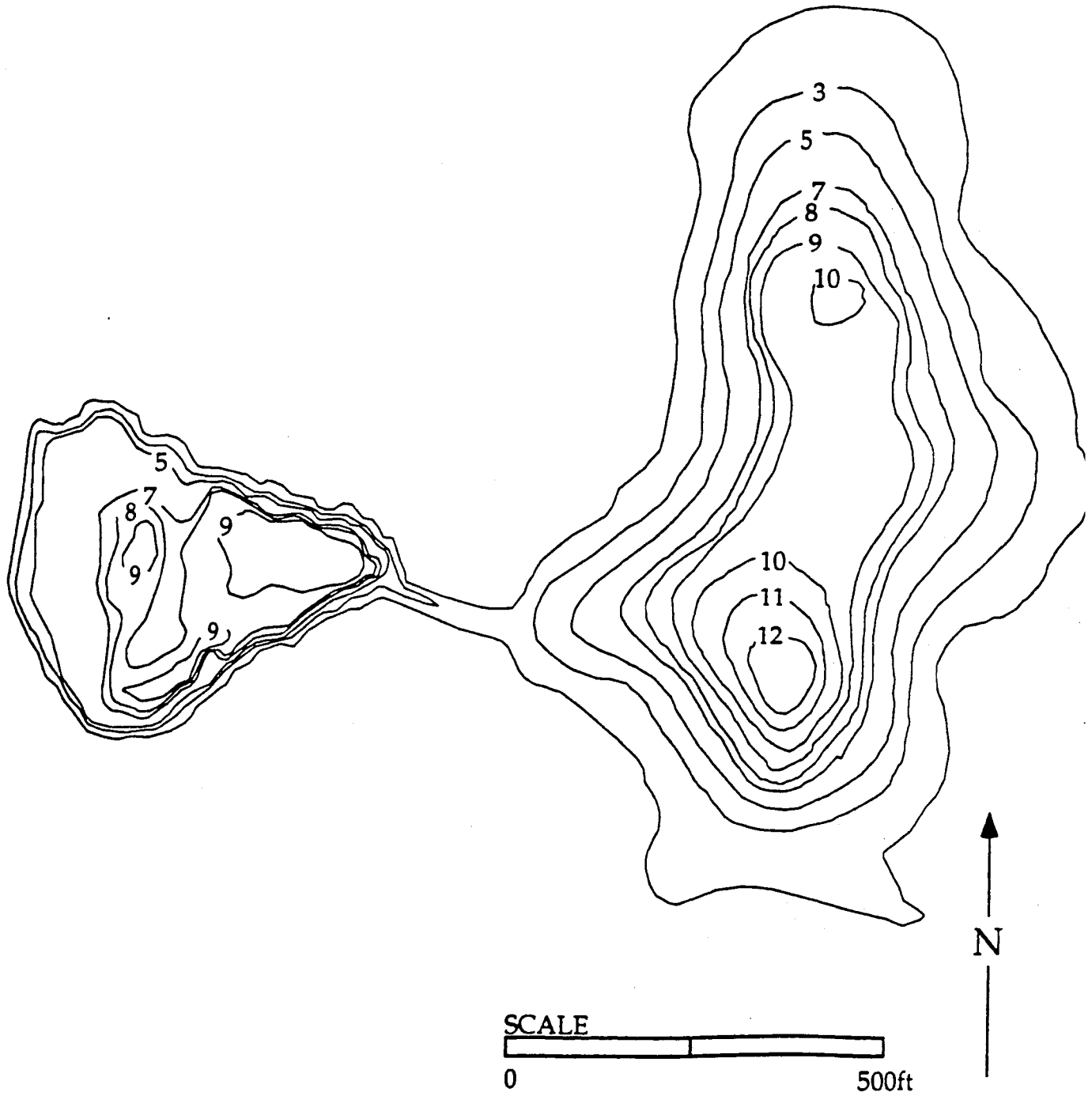
<u>Habitat Type</u>	<u>Percent of Total Shoreline</u>	<u>Percent of Total Shoreline Sampled by Electrofishing</u>
D/S/1	15	15
E/S/0	11	
O/S/0	43	43
T/U/0	1	1
W/S/1	30	30

## Fish Species Present in Lake (based on IDOC sampling):

Black Bullhead  
 Bluegill  
 Carp  
 Channel Catfish  
 Golden Shiner  
 Green Sunfish  
 Largemouth Bass  
 White Crappie

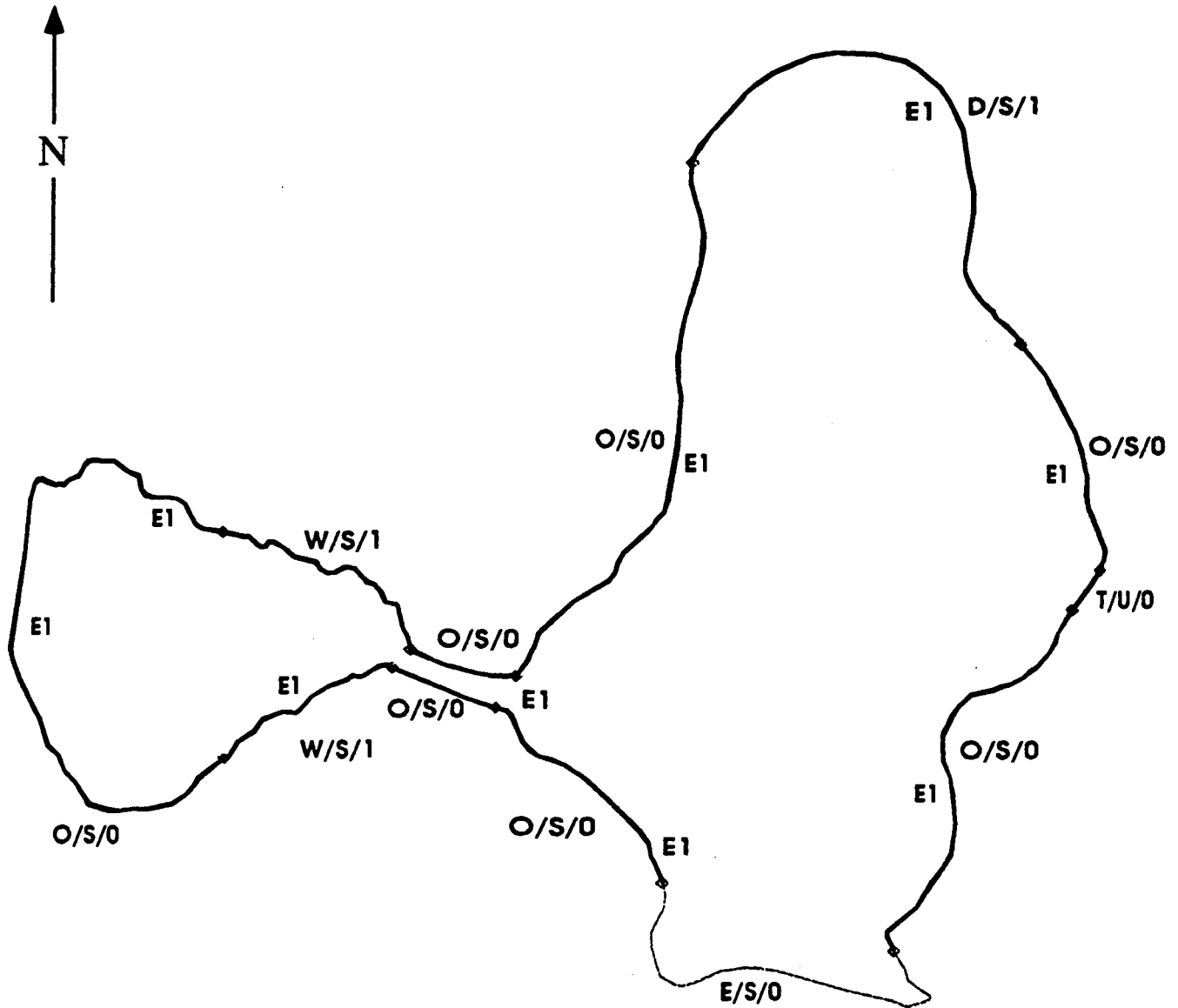
**Notes and Comments:**

# HERRICK LAKE



Map Source: DuPage Co. Forest Preserve Dist.  
Mapping Method: Unknown  
Date completed: Unknown

# HERRICK LAKE



**Habitat Codes** (given as a three character code: Habitat/Substrate/Hard Cover)

<b>Habitat:</b>	<b>Substrate:</b>	<b>Hard Cover Rating:</b>
W = Woody debris	M = Mud or silt	0 = 0% woody debris and no docks.
E = Emergent vegetation	C = Clay	1 = 0% woody debris with docks or 1-33% woody debris.
R = Rip rap	S = Sand	2 = 1-33% woody debris with many docks or 34-66% woody debris.
O = Open area	G = Gravel	3 = 34-66% woody debris with many docks or greater than 67% woody debris.
D = Docks	B = Rock or boulder	
T = Retaining wall or dam face	U = Unknown	
U = Unknown		

Information compiled by the Illinois Natural History Survey, completed 10/29/86

# HIGHLAND LAKE

County: LAKE  
 Latitude: 422140  
 Longitude: 880342

Township: T45N  
 Range: R10E  
 Section: 21,22

IDOC Region: 2  
 IDOC District: 6  
 IDOC Lake Number:  
 Storet Code: RT-B01ZP  
 IDOC Lake Class: PR  
 Lake Origin: NG  
 Natural Division: 3A

Surface Area (ha): 43.0  
 Surface Area (acres): 103.2  
 Mean Depth (m): 3.38  
 Maximum Depth (m): 11.28  
 Shore Length (km): 2.56  
 Shoreline Dev. Index: 1.09

Year Constructed:

USGS 7.5' Quad: GRAYSLAKE\*  
 Major River Basin: FOX  
 Inflowing Stream: INT/MARSHES  
 Outflowing Stream: ROUND L>LONG L>SQUAW CR>FOX L>R

Watershed Area (ha): 283  
 Storage Cap. (1000 m<sup>3</sup>): 1543.94  
 Retention Time (yrs): 2.5  
 Volume Dev. Index: 0.89

**Typical Water Chemistry:**

Secchi Disk Depth (cm): 137  
 Conductivity (umhos): 361  
 Total Alkalinity (mg/l): 89  
 pH: 8.2

Maximum Length (km): 0.74  
 Maximum Width (km): 0.81  
 Inshore Mean Depth (m): 1.2  
 Pool Elevation (m msl): 237.4

**Climatic Information:**

Growing Season (days): 158  
 Growing Deg. Days (50°F base): 2694

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

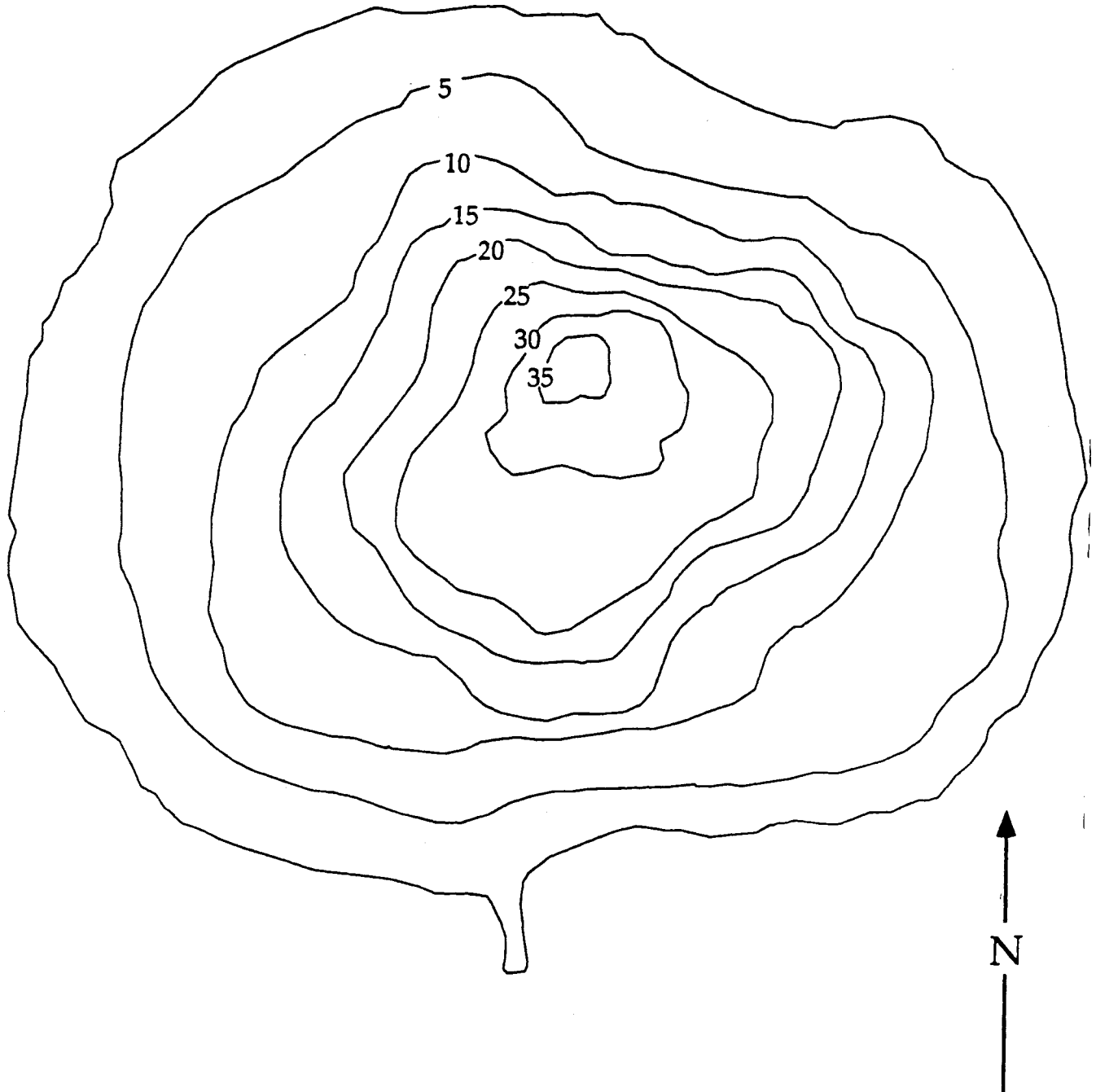
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
O/S/O	100	90

**Fish Species Present in Lake (based on IDOC sampling):**

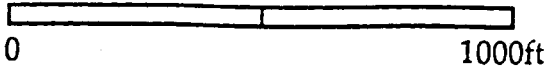
Black Crappie  
 Bluegill  
 Carp  
 Channel Catfish  
 Green Sunfish X Bluegill  
 Largemouth Bass  
 Pumpkinseed  
 Warmouth  
 Yellow Bullhead  
 Yellow Perch

**Notes and Comments:**

# HIGHLAND LAKE



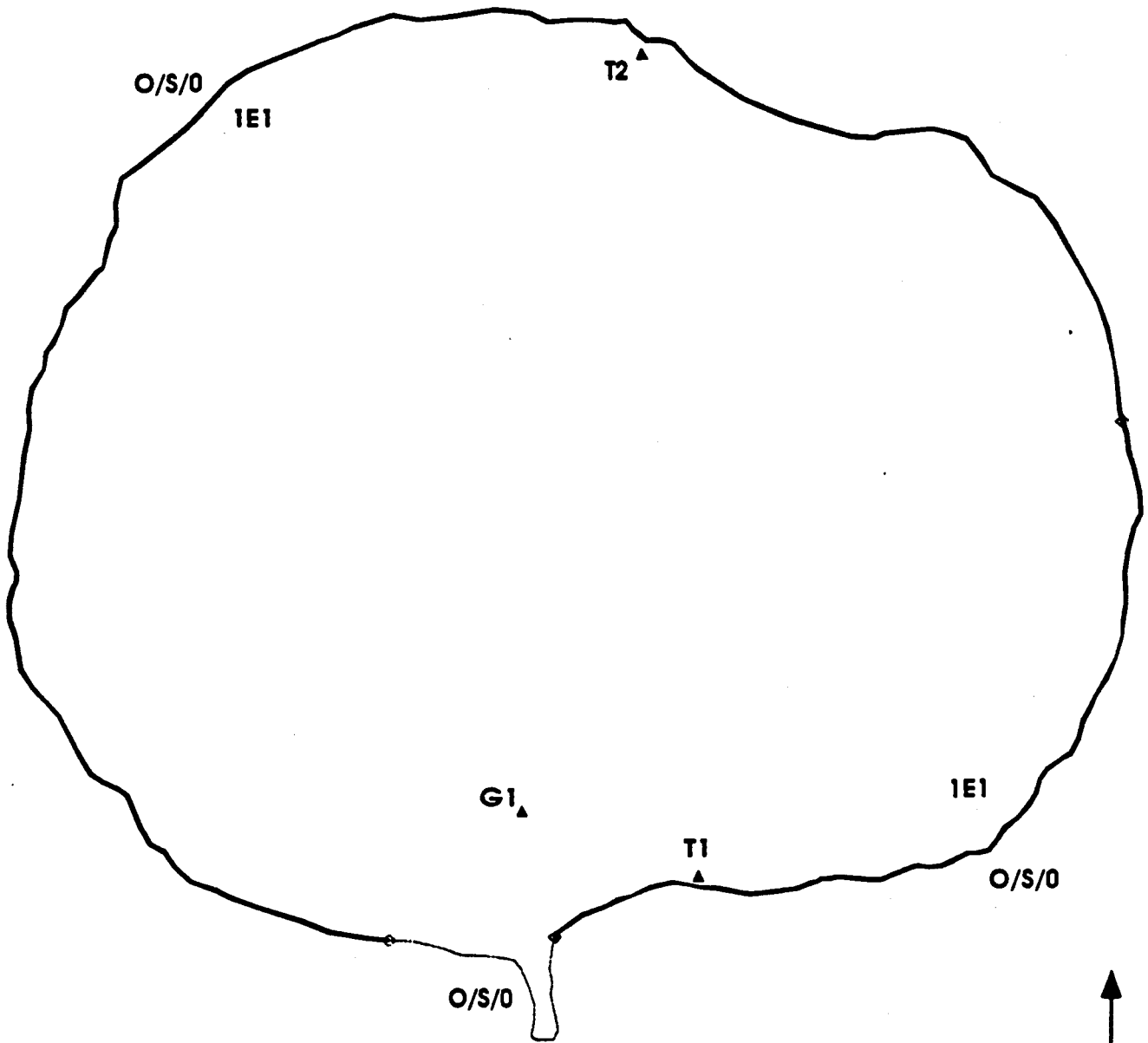
SCALE



Map Source: Illinois Dept. of Conservation  
Mapping Method: Unknown, outline from ASCS  
aerial photo  
Date completed: 5/13/69



# HIGHLAND LAKE



**Habitat Codes** (given as a three character code: **Habitat/Substrate/Hard Cover**)

<b>Habitat:</b>	<b>Substrate:</b>	<b>Hard Cover Rating:</b>
W = Woody debris	M = Mud or silt	0 = 0% woody debris and no docks.
E = Emergent vegetation	C = Clay	1 = 0% woody debris with docks or 1-33% woody debris.
R = Rip rap	S = Sand	2 = 1-33% woody debris with many docks or 34-66% woody debris.
O = Open area	G = Gravel	3 = 34-66% woody debris with many docks or greater than 67% woody debris.
D = Docks	B = Rock or boulder	
T = Retaining wall or dam face	U = Unknown	
U = Unknown		

Information compiled by the Illinois Natural History Survey, completed 10/29/86

# HOMER LAKE

County: CHAMPAIGN  
Latitude: 400345875907  
Longitude: 875907

Township: T19N  
Range: R14W  
Section: 30,31

IDOC Region: 3  
IDOC District: 8  
IDOC Lake Number:  
STORET Code:  
IDOC Lake Class: PU  
Lake Origin: AA  
Natural Division: 4A

Surface Area (ha): 32.7  
Surface Area (acres): 80.8  
Mean Depth (m): 2.46  
Maximum Depth (m): 7.32  
Shore Length (km): 8.53  
Shoreline Dev. Index:

Year Constructed: 1969

USGS 7.5' Quad: HOMER  
Major River Basin: WABASH  
Inflowing Stream: CONKEY BRANCH  
Outflowing Stream: CONKEY BR.>SALT FK. >VERMILION R.>WABASH

Watershed Area (ha): 3755.6  
Storage Cap. (1000 m<sup>3</sup>): 837.63  
Retention Time (yrs): 0.10  
Volume Dev. Index:

## Typical Water Chemistry:

Secchi Disk Depth (cm):  
Conductivity (umhos):  
Total Alkalinity (mg/l):  
pH:

Maximum Length (km):  
Maximum Width (km):  
Inshore Mean Depth (m):  
Pool Elevation (m msl):

## Climatic Information:

Growing Season (days):  
Growing Deg. Days (50°F base):

## Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

<u>Habitat Type</u>	<u>Percent of Total Shoreline</u>	<u>Percent of Total Shoreline Sampled by Electrofishing</u>
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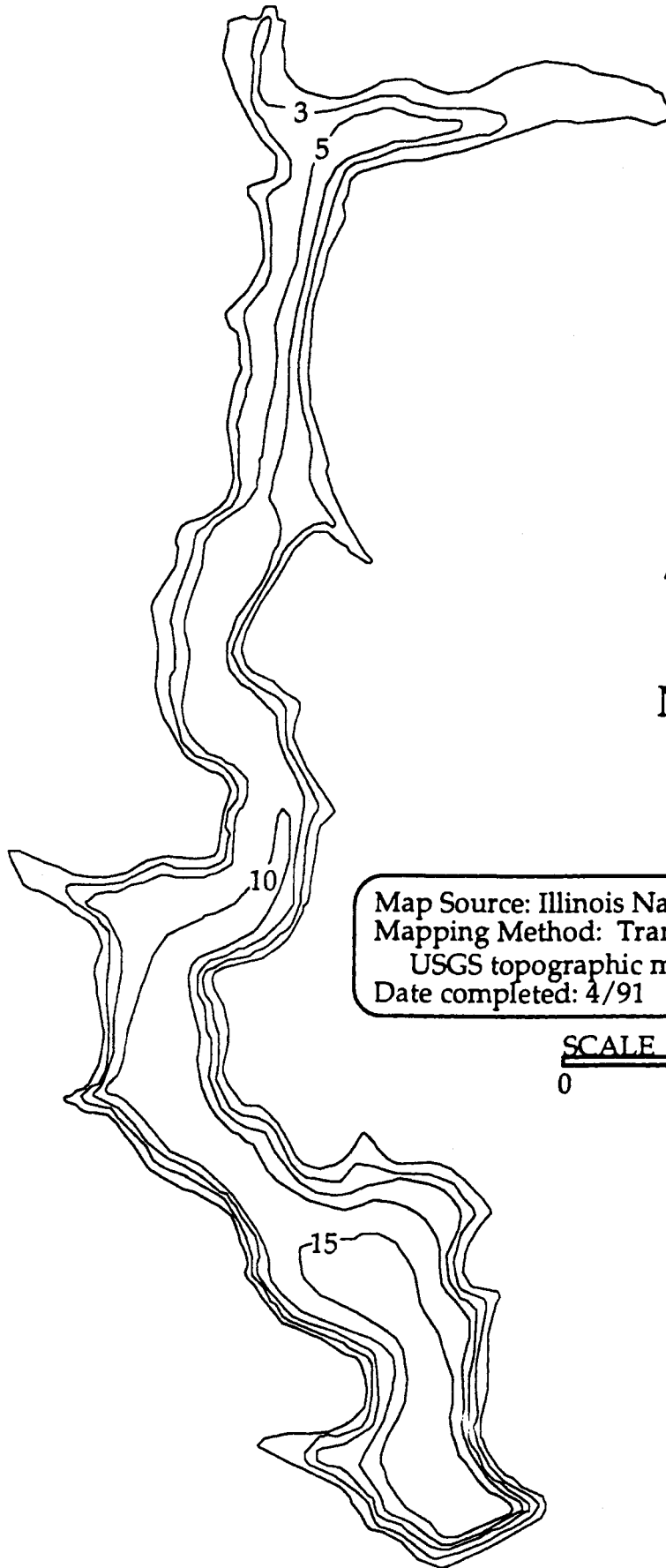
N/A

## Fish Species Present in Lake (based on IDOC sampling):

Black Bullhead  
Black Crappie  
Bluegill  
Blackstripe Topminnow  
Carp  
Channel Catfish  
Golden Shiner  
Grass Pickerel  
Green Sunfish  
Largemouth Bass

**Notes and Comments:**

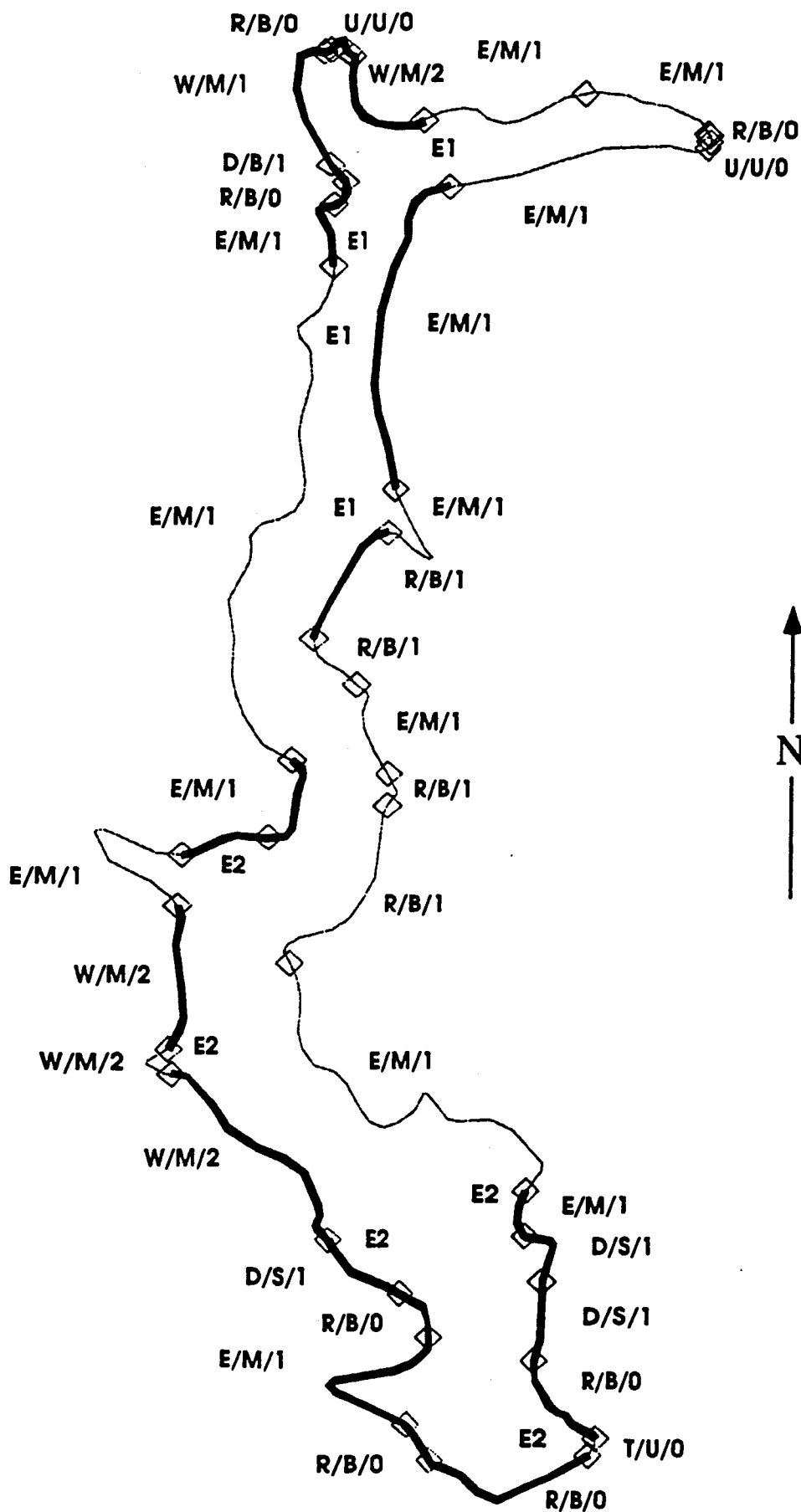
# HOMER LAKE



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from 7.5 min.  
USGS topographic map  
Date completed: 4/91



# HOMER LAKE



**Habitat Codes**

**Habitat/Substrate/Hard Cover**

**Habitat:**

- W = Woody debris
- E = Emergent vegetation
- R = Rip rap
- O = Open area
- D = Docks
- T = Retaining wall or dam face
- U = Unknown

**Substrate:**

- M = Mud or silt
- C = Clay
- S = Sand
- G = Gravel
- B = Rock or boulder
- U = Unknown

**Hard Cover Rating:**

- 0 = 0% woody debris and no docks.
- 1 = 0% woody debris with docks or 1-33% woody debris.
- 2 = 1-33% woody debris with many docks or 34-66% woody debris.
- 3 = 34-66% woody debris with many docks or > 67% woody debris.

Data compiled by the Illinois  
Natural History Survey  
Date



# HONEY LAKE

County: LAKE  
 Latitude: 421202  
 Longitude: 880748

Township: T43N  
 Range: R93  
 Section: 13

IDOC Region: 2  
 IDOC District: 6  
 IDOC Lake Number:  
 STORET Code: RT-B02ZU  
 IDOC Lake Class: PR  
 Lake Origin: AO  
 Natural Division: 3A

Surface Area (ha): 25.9  
 Surface Area (acres): 62.2  
 Mean Depth (m): 1.67  
 Maximum Depth (m): 6.096  
 Shore Length (km): 2.59  
 Shoreline Dev. Index: 1.43

Year Constructed:

USGS 7.5' Quad: BARRINGTON\*  
 Major River Basin: FOX  
 Inflowing Stream: INT FROM MARSH  
 Outflowing Stream: INT TO MARSH

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 259  
 Conductivity (umhos): 635  
 Total Alkalinity (mg/l): 120  
 pH:

Watershed Area (ha): 239  
 Storage Cap. (1000 m<sup>3</sup>): 432.88  
 Retention Time (yrs): 0.9  
 Volume Dev. Index: 0.82

Maximum Length (km): 0.81  
 Maximum Width (km): 0.56  
 Inshore Mean Depth (m): 0.71  
 Pool Elevation (m msl): 238.7

**Climatic Information:**  
 Growing Season (days): 158  
 Growing Deg. Days (50°F base): 2694

## Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

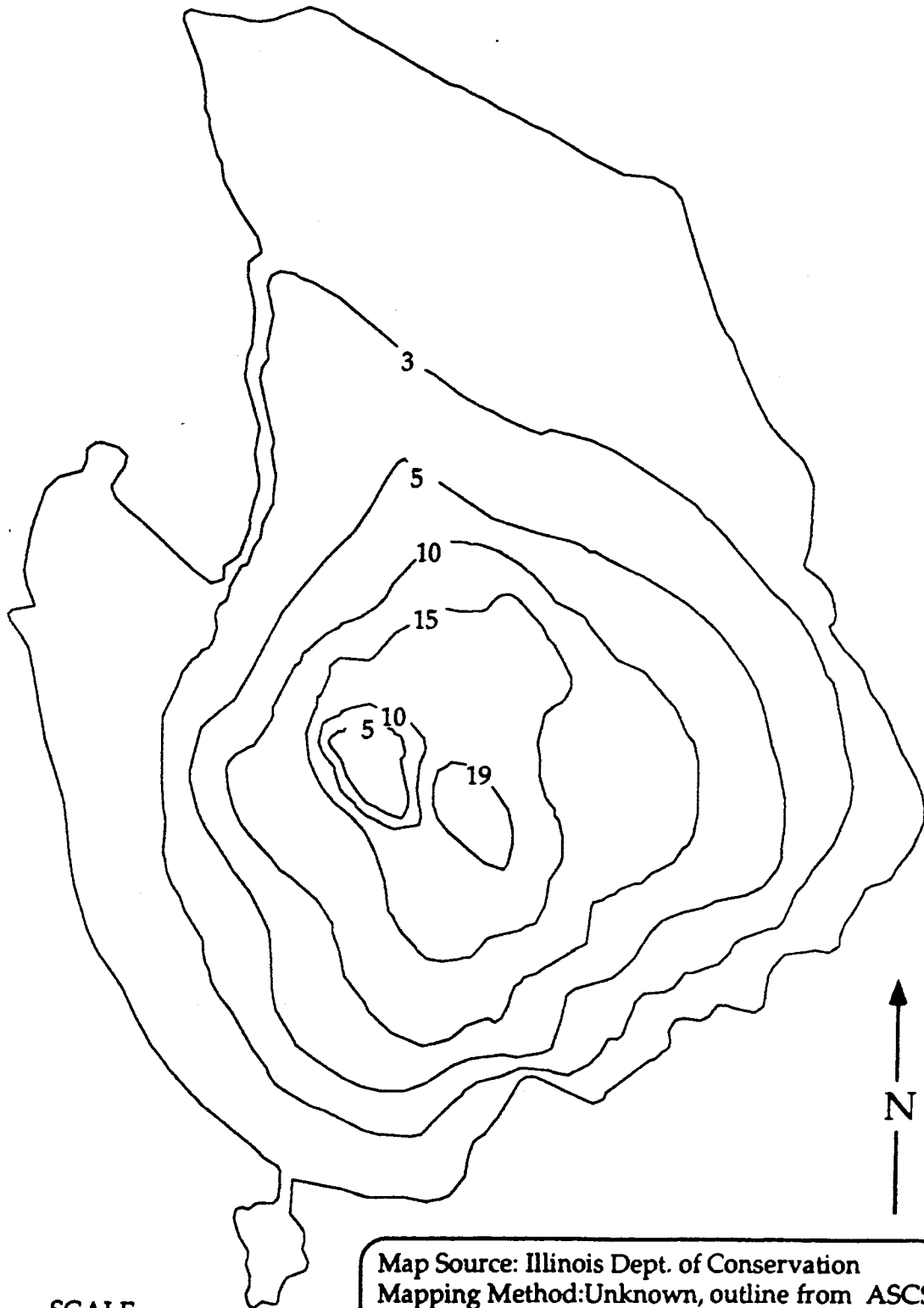
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
E/U/0	58	7
O/S/0	3	3
W/U/1	37	28
W/U/0	2	

## Fish Species Present in Lake (based on IDOC sampling):

Bluegill  
 Largemouth Bass  
 Northern Pike  
 Pumpkinseed  
 Yellow Bullhead

**Notes and Comments:**

# HONEY LAKE



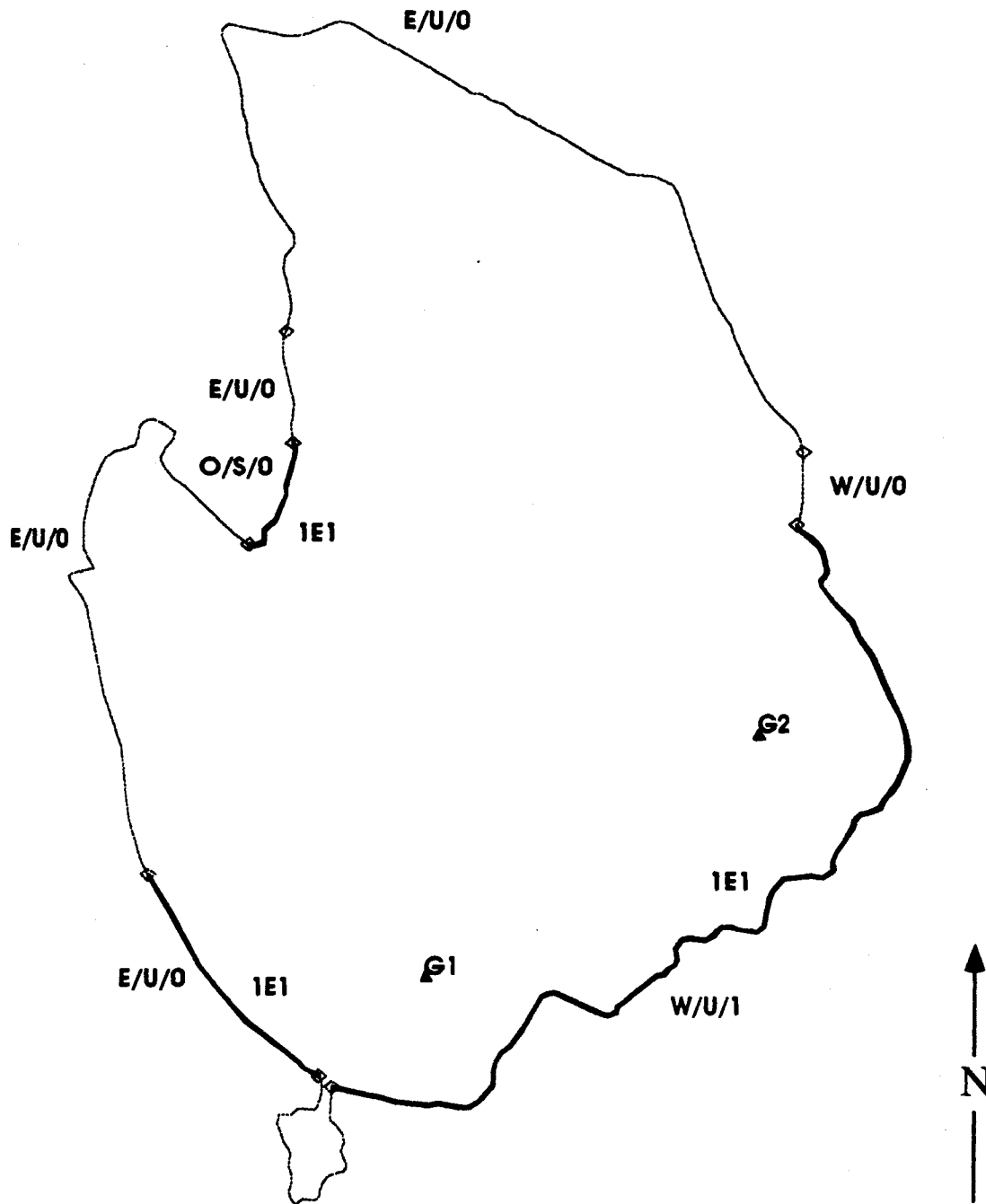
SCALE



Map Source: Illinois Dept. of Conservation  
Mapping Method: Unknown, outline from ASCS  
aerial photo  
Date completed: 5/5/69



# HONEY LAKE



**Habitat Codes** (given as a three character code: **Habitat/Substrate/Hard Cover**)

<b>Habitat:</b>	<b>Substrate:</b>	<b>Hard Cover Rating:</b>
W = Woody debris	M = Mud or silt	0 = 0% woody debris and no docks.
E = Emergent vegetation	C = Clay	1 = 0% woody debris with docks or 1-33% woody debris.
R = Rip rap	S = Sand	2 = 1-33% woody debris with many docks or 34-66% woody debris.
O = Open area	G = Gravel	3 = 34-66% woody debris with many docks or greater than 67% woody debris.
D = Docks	B = Rock or boulder	
T = Retaining wall or dam face	U = Unknown	
U = Unknown		

Information compiled by the Illinois Natural History Survey, completed 10/29/86

# LAKE KAKUSHA

County: LASALLE  
 Latitude: 413338  
 Longitude: 890813

Township: T36N  
 Range: R1E  
 Section: 29

IDOC Region: 1  
 IDOC District: 2  
 IDOC Lake Number: 21  
 Storet Code: VT-B01-K  
 IDOC Lake Class:  
 Lake Origin:  
 Natural Division: 4A-

Surface Area (ha): 22.9  
 Surface Area (acres): 55.0  
 Mean Depth (m): 1.3  
 Maximum Depth (m): 3.66  
 Shore Length (km): 3.85  
 Shoreline Dev. Index: 2.26

Year Constructed: 1981

USGS 7.5' Quad: MENDOTA WEST  
 Major River Basin: ILL  
 Inflowing Stream: INT  
 Outflowing Stream: INT>L MENDOTA>L VERMILLIAN>IL

Watershed Area (ha): 550  
 Storage Cap. (1000 m<sup>3</sup>): 297.55  
 Retention Time (yrs): 0.3  
 Volume Dev. Index: 1.06

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 30  
 Conductivity (umhos): 426  
 Total Alkalinity (mg/l): 166  
 pH: 7.5

Maximum Length (km): 1.02  
 Maximum Width (km): 0.8  
 Inshore Mean Depth (m): 0.85  
 Pool Elevation (m msl): 243.8

**Climatic Information:**  
 Growing Season (days): 164  
 Growing Deg. Days (50°F base): 3138

## Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

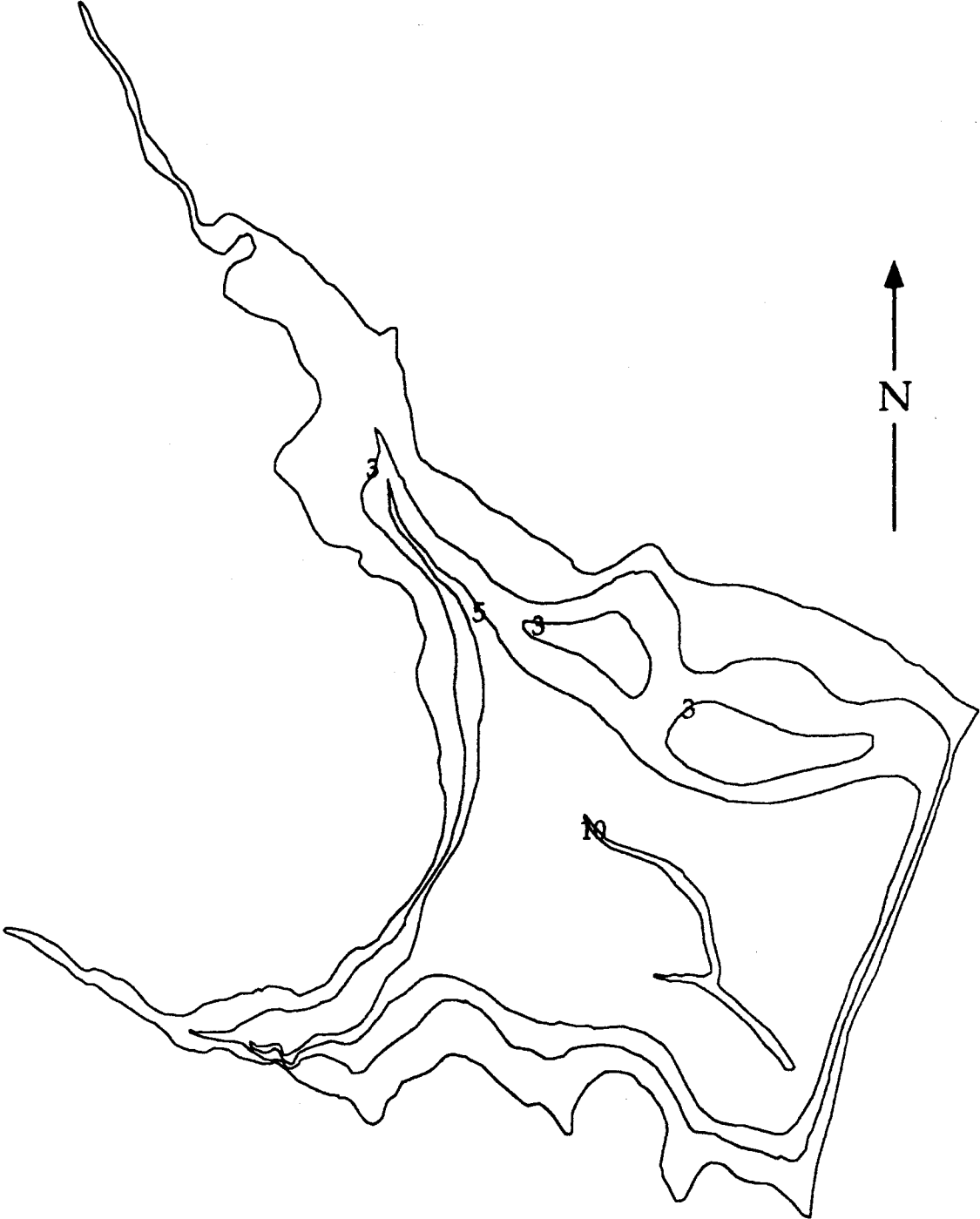
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
E/U/0	88	88
R/B/0	12	

## Fish Species Present in Lake (based on IDOC sampling):

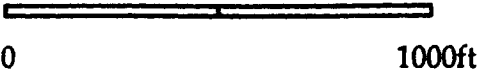
Black Crappie	Redear Sunfish
Black X White Crappie	Spotfin Shiner
Bluegill	White Crappie
Bluegill X Redear	
Bluntnose Minnow	
Brook Silverside	
Channel Catfish	
Fathead Minnow	
Golden Shiner	
Green Sunfish	
Green Sunfish X Bluegill	
Largemouth Bass	

**Notes and Comments:**

# LAKE KAKUSHA

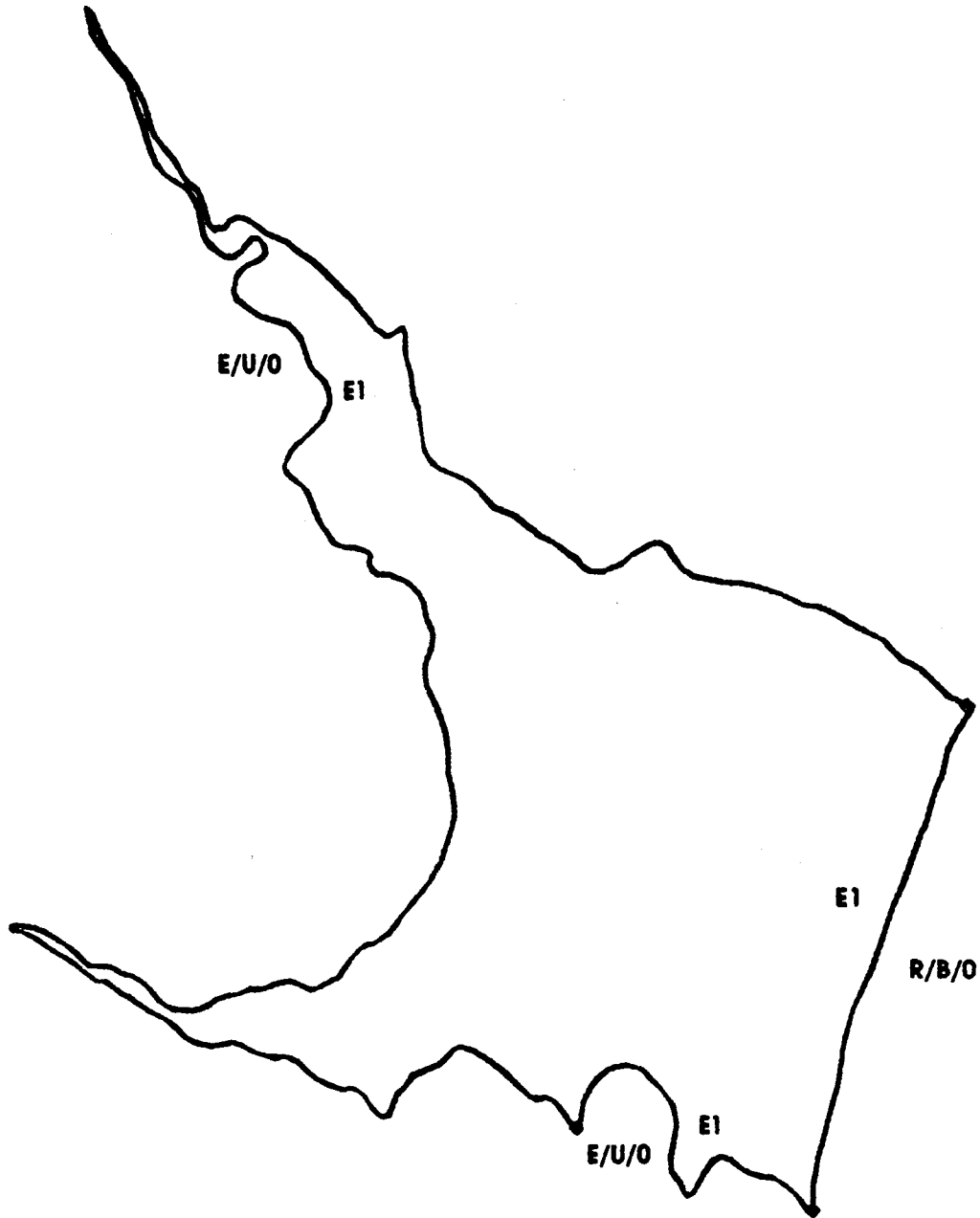


SCALE



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from 7.5min.  
USGS topographic map  
Date completed: 8/22/89

# LAKE KAKUSHA



**Habitat Codes (given as a three character code: Habitat/Substrate/Hard Cover)**

**Habitat:**

W = Woody debris  
 E = Emergent vegetation  
 R = Rip rap  
 O = Open area  
 D = Docks  
 T = Retaining wall or dam face  
 U = Unknown

**Substrate:**

M = Mud or silt  
 C = Clay  
 S = Sand  
 G = Gravel  
 B = Rock or boulder  
 U = Unknown

**Hard Cover Rating:**

0 = 0% woody debris and no docks.  
 1 = 0% woody debris with docks or 1-33% woody debris.  
 2 = 1-33% woody debris with many docks or 34-66% woody debris.  
 3 = 34-66% woody debris with many docks or greater than 67% woody debris.

Information compiled by the Illinois Natural History Survey, completed 10/29/86

# LAKE OF THE WOODS

County: CHAMPAIGN  
 Latitude: 401201  
 Longitude: 882250

Township: T20N  
 Range: R7E  
 Section: 11,14

IDOC Region: 3  
 IDOC District: 8  
 IDOC Lake Number: 362  
 Storet Code: RE-B01-G  
 IDOC Lake Class: PU  
 Lake Origin: AA  
 Natural Division: 4A

Surface Area (ha): 10.5  
 Surface Area (acres): 25.2  
 Mean Depth (m): 2.86  
 Maximum Depth (m): 6.7  
 Shore Length (km): 2.26  
 Shoreline Dev. Index: 1.96

Year Constructed: 1945

USGS 7.5' Quad: MAHOMET  
 Major River Basin: SANGAMON  
 Inflowing Stream: 2 INT TRIB  
 Outflowing Stream: INT TRIB>SANGAMON R>IL R

Typical Water Chemistry:  
 Secchi Disk Depth (cm): 76.624  
 Conductivity (umhos): 481.97101  
 Total Alkalinity (mg/l): 218.296  
 pH: 8.1

Watershed Area (ha): 206  
 Storage Cap. (1000 m<sup>3</sup>): 300.51  
 Retention Time (yrs): 0.6  
 Volume Dev. Index: 1.28

Maximum Length (km): 0.43  
 Maximum Width (km): 0.66  
 Inshore Mean Depth (m): 2.6  
 Pool Elevation (m msl): 216.4

Climatic Information:  
 Growing Season (days): 187  
 Growing Deg. Days (50°F base): 3445

## Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

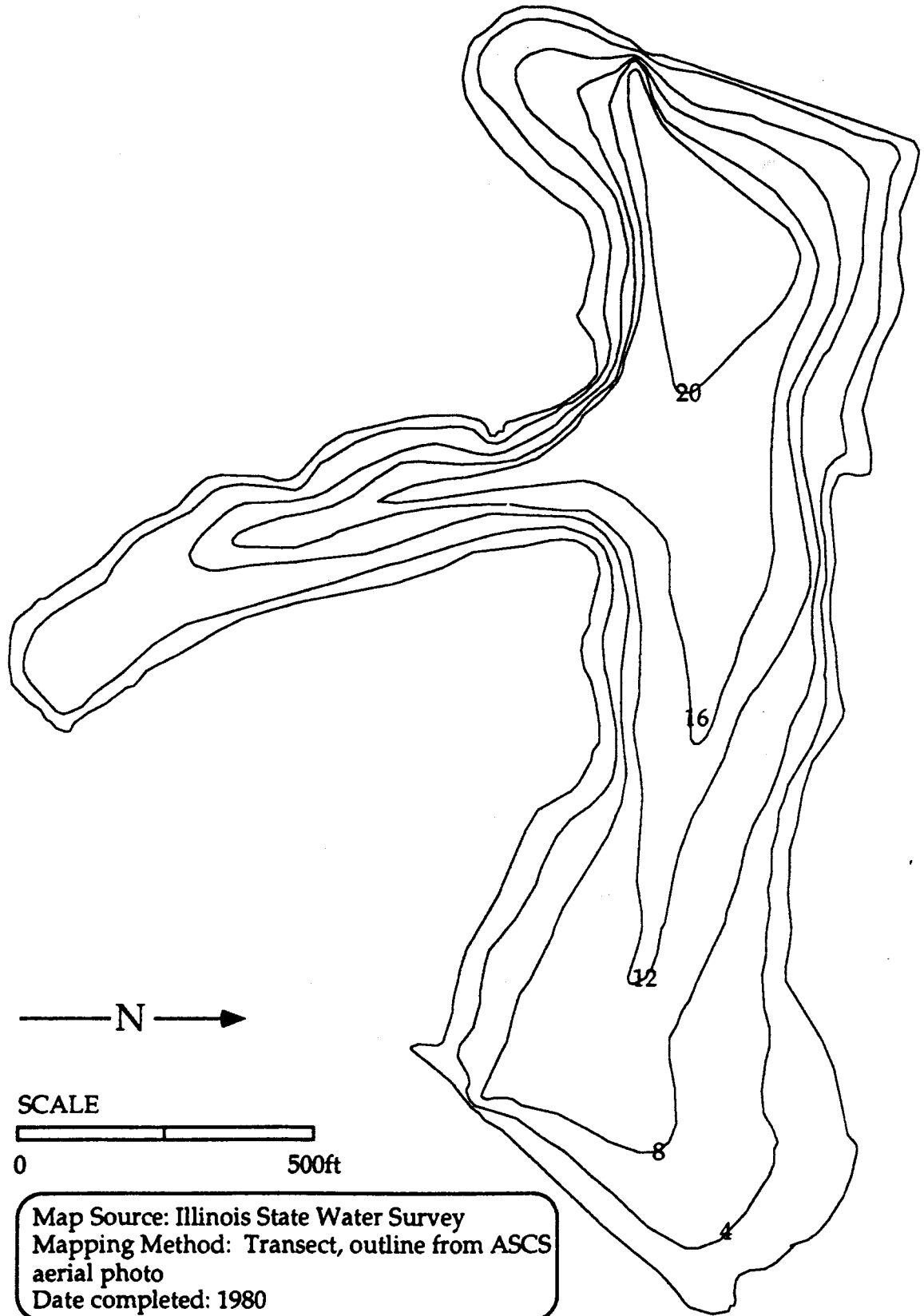
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
D/M/1	3	3
E/M/0	3	3
O/M/0	17	17
O/S/0	9	9
R/B/0	21	8
T/M/0	11	11
W/M/2	12	12
W/M/1	23	23
O/S/0	87	78
W/S/1	13	8

## Fish Species Present in Lake (based on IDOC sampling):

Black Bullhead	Largemouth Bass
Bluegill	Longear Sunfish
Bluegill X Redear	Redear Sunfish
Brown Bullhead	Tiger Muskellunge
Channel Catfish	White Crappie
Gizzard Shad	
Golden Shiner	
Green Sunfish	
Green Sunfish X Bluegill	

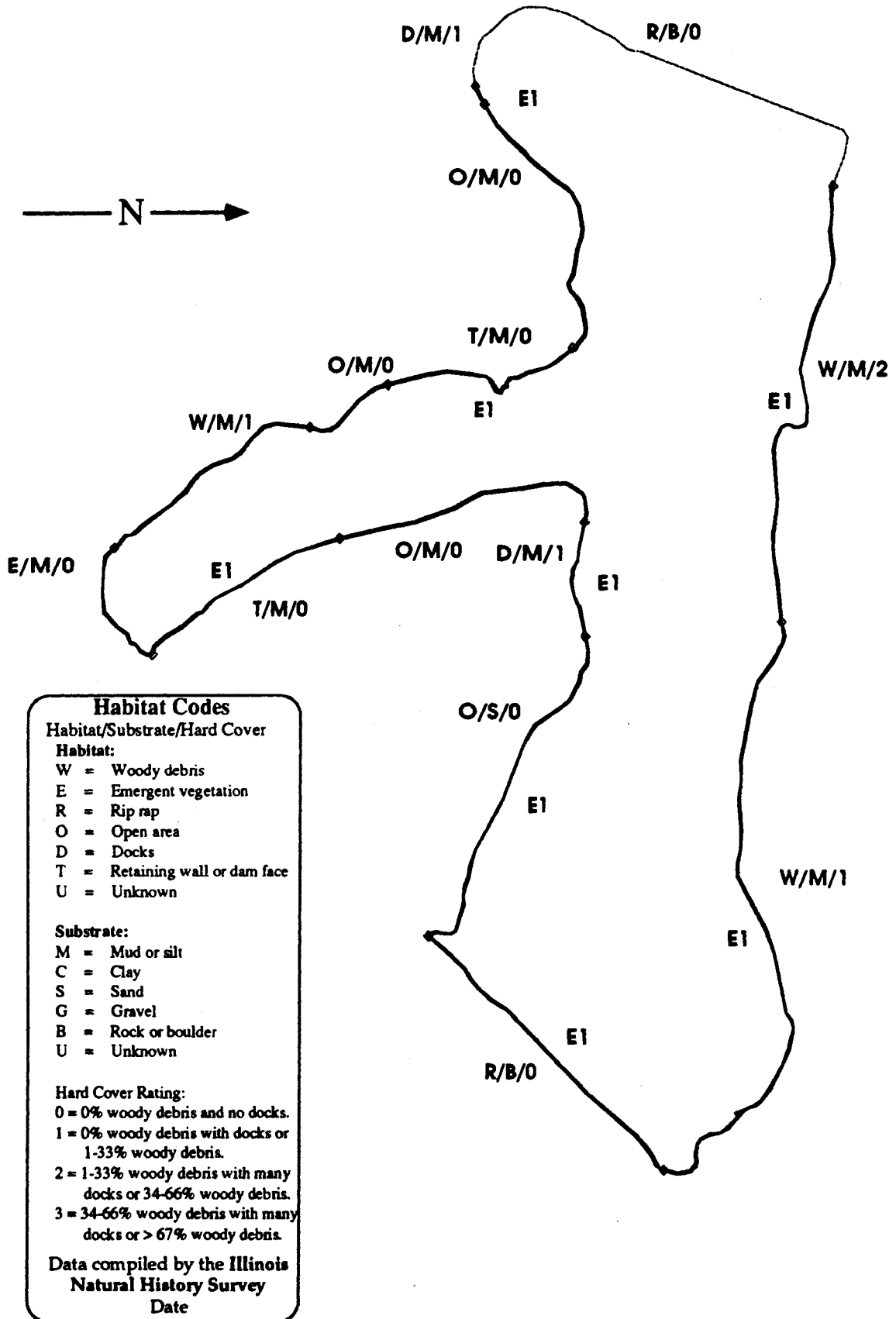
**Notes and Comments:**

# LAKE OF THE WOODS





# LAKE OF THE WOODS



# LASALLE COOLING LAKE

County: LASALLE  
 Latitude: 411530  
 Longitude: 883822

Township: T32N  
 Range: R5E  
 Section: 9,10,11,14

IDOC Region: 1  
 IDOC District: 2  
 IDOC Lake Number: 23  
 STORET Code:  
 IDOC Lake Class: ST  
 Lake Origin:  
 Natural Division:

Surface Area (ha): 776.7  
 Surface Area (acres): 1864.1  
 Mean Depth (m): 4.7  
 Maximum Depth (m): 21.64  
 Shore Length (km): 33.48  
 Shoreline Dev. Index: 3.38

Year Constructed:

USGS 7.5' Quad: MARSEILLES/SENECA/ODELL  
 Major River Basin: ILLINOIS  
 Inflowing Stream: PUMPED FROM IL  
 Outflowing Stream: PUMPED TO IL

**Typical Water Chemistry:**

Secchi Disk Depth (cm): 66  
 Conductivity (umhos): 577  
 Total Alkalinity (mg/l): 170  
 pH:

Watershed Area (ha): 1087  
 Storage Cap. (1000 m<sup>3</sup>): 36526.85  
 Retention Time (yrs):  
 Volume Dev. Index: 0.65

Maximum Length (km): 4.7951  
 Maximum Width (km): 2.7459  
 Inshore Mean Depth (m): 1.2  
 Pool Elevation (m msl):

**Climatic Information:**

Growing Season (days): 163  
 Growing Deg. Days (50°F base): 3038

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

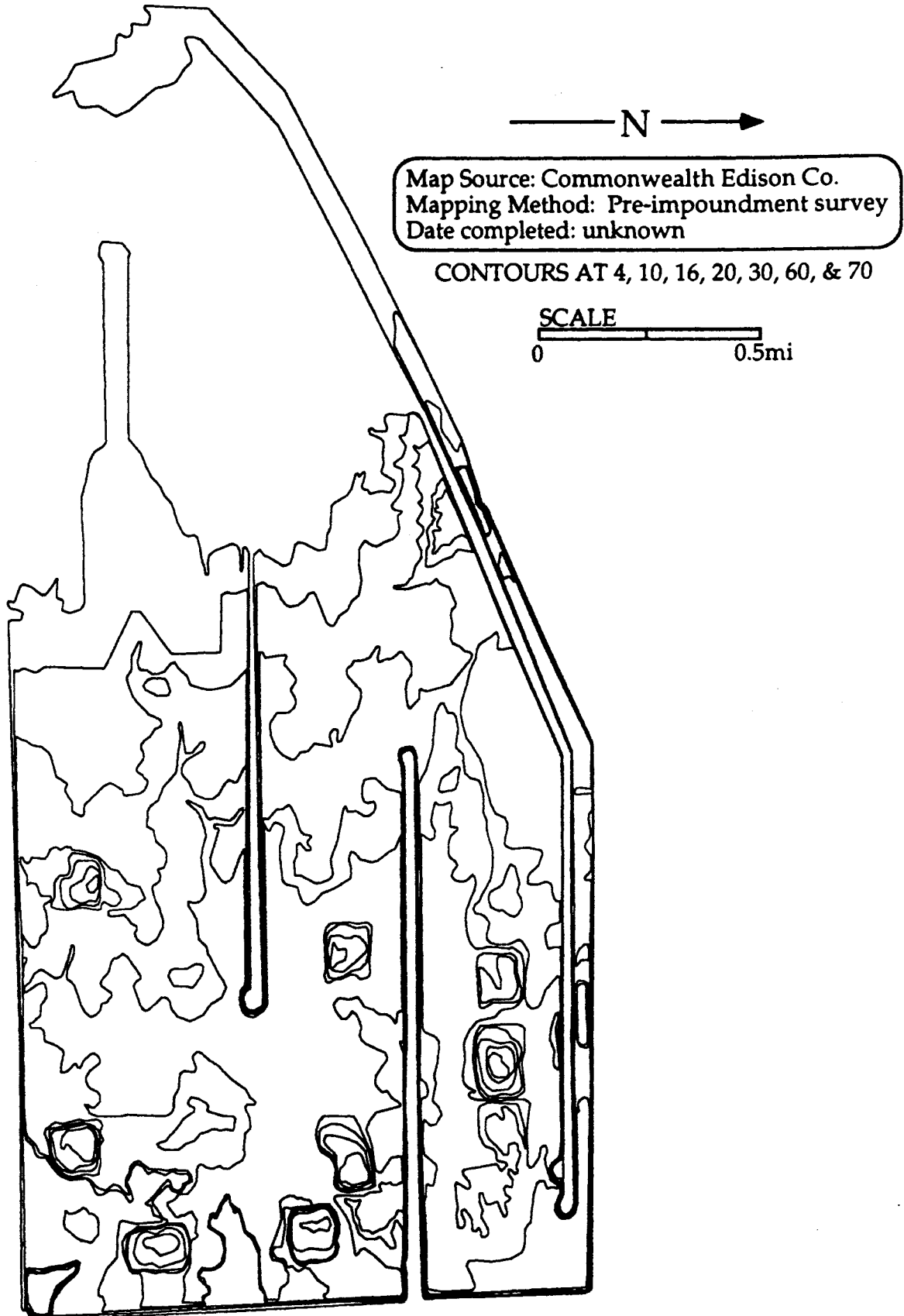
<u>Habitat Type</u>	<u>Percent of Total Shoreline</u>	<u>Percent of Total Shoreline Sampled by Electrofishing</u>
R/B/0	100	22

**Fish Species Present in Lake (based on IDOC sampling):**

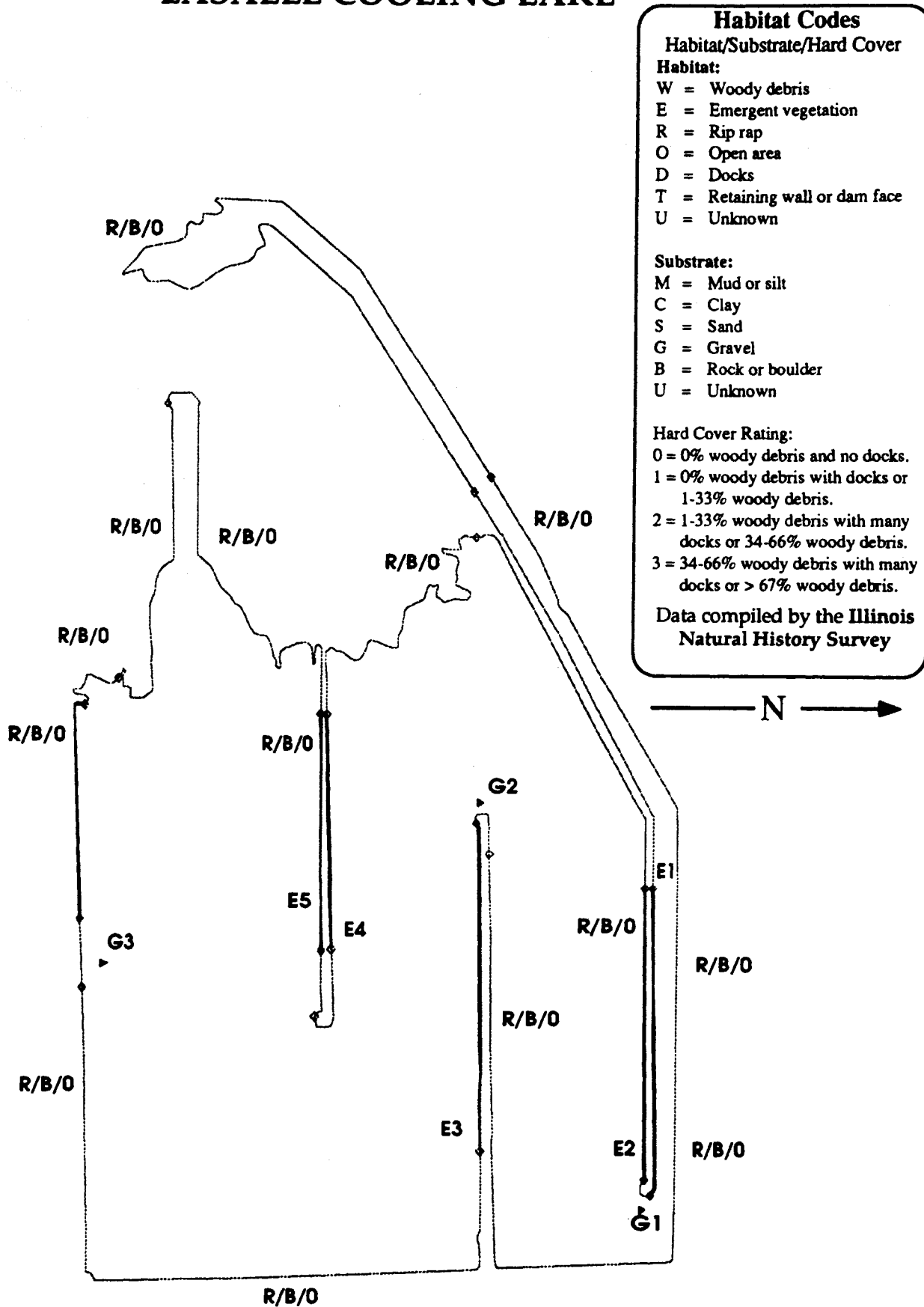
Bluegill  
 Carp  
 Channel Catfish  
 Emerald Shiner  
 Freshwater Drum  
 Gizzard Shad  
 Goldfish  
 Green Sunfish  
 Hybrid Striped Bass  
 Largemouth Bass  
 Rudd  
 Skipjack Herring  
 Smallmouth Bass  
 Walleye  
 Yellow Bullhead

**Notes and Comments:**

# LASALLE COOLING LAKE



# LASALLE COOLING LAKE



# LAKE LE-AQUA-NA

County: STEPHENSON  
 Latitude: 422508  
 Longitude: 894944

Township: T28N  
 Range: R6E  
 Section: 16,17

Year Constructed: 1955

USGS 7.5' Quad: LENA  
 Major River Basin: ROCK  
 Inflowing Stream: WADDAMS CR  
 Outflowing Stream: SAME>PECATONICA R>ROCK>MISS R

**Typical Water Chemistry:**

Secchi Disk Depth (cm): 54  
 Conductivity (umhos): 467  
 Total Alkalinity (mg/l): 215  
 pH: 7.9

IDOC Region: 1  
 IDOC District: 1  
 IDOC Lake Number: 3  
 Storet Code: RP-A06-A  
 IDOC Lake Class: ST  
 Lake Origin: AA  
 Natural Division: 2A

Surface Area (ha): 17.3  
 Surface Area (acres): 41.5  
 Mean Depth (m): 3.19  
 Maximum Depth (m): 6.71  
 Shore Length (km): 2.66  
 Shoreline Dev. Index: 1.8

Watershed Area (ha): 1012  
 Storage Cap. (1000 m<sup>3</sup>): 552.41  
 Retention Time (yrs): 0.3  
 Volume Dev. Index: 1.43

Maximum Length (km): 0.55  
 Maximum Width (km): 0.91  
 Inshore Mean Depth (m): 1.6  
 Pool Elevation (m msl): 262.1

**Climatic Information:**

Growing Season (days): 157  
 Growing Deg. Days (50°F base): 2748

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

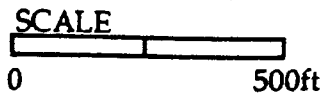
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
E/M/0	9	
O/S/0	5	
R/B/0	7	19
W/G/1	77	53
W/M/1	3	1

**Fish Species Present in Lake (based on IDOC sampling):**

Black Bullhead  
 Black Crappie  
 Bluegill  
 Brook Silverside  
 Carp  
 Channel Catfish  
 Golden Shiner  
 Largemouth Bass  
 Northern Pike  
 Redear Sunfish  
 Walleye  
 Warmouth

**Notes and Comments:**

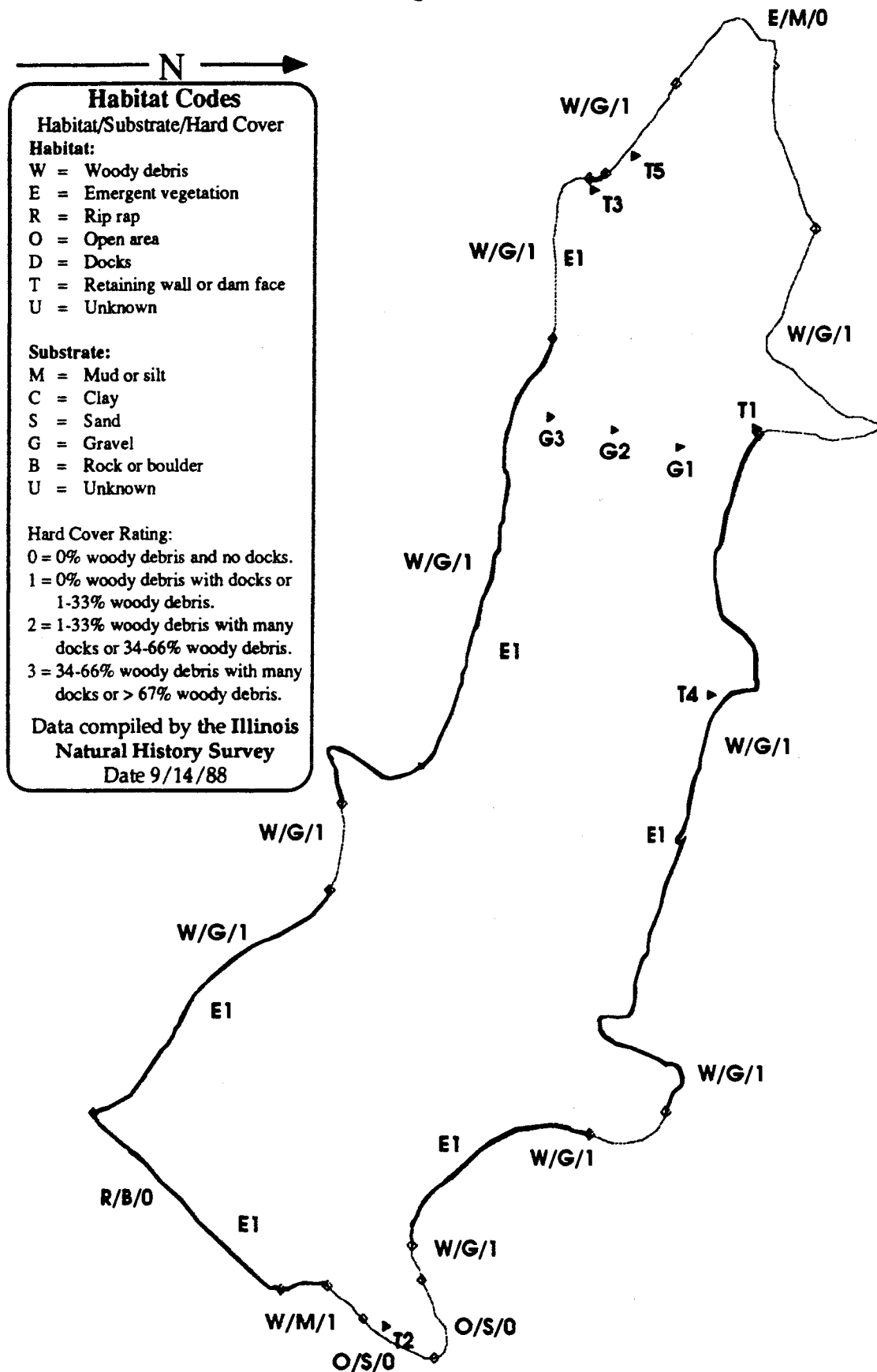
# LAKE LE-AQUA-NA



Map Source: Illinois State Water Survey  
Mapping Method: Transect, outline origin unknown  
Date completed: 1986



# LAKE LE-AQUA-NA



# LINCOLN TRAIL LAKE

County: CLARK  
 Latitude: 392020  
 Longitude: 874323

Township: T10N,T1  
 Range: R12W  
 Section: 2,3,10,35

IDOC Region: 3  
 IDOC District: 9  
 IDOC Lake Number: 115  
 Storet Code: RB-B01-G  
 IDOC Lake Class: ST  
 Lake Origin: AA  
 Natural Division: 10B

Surface Area (ha): 56.9  
 Surface Area (acres): 136.7  
 Mean Depth (m): 4.84  
 Maximum Depth (m): 10.67  
 Shore Length (km): 8.66  
 Shoreline Dev. Index: 3.23

Year Constructed: 1956

USGS 7.5' Quad: SNYDER  
 Major River Basin: WABASH  
 Inflowing Stream: NONE (INTER)  
 Outflowing Stream: SANDY BR>MILL CR>WABASH R>OHIO

Watershed Area (ha): 850  
 Storage Cap. (1000 m<sup>3</sup>): 2754.8  
 Retention Time (yrs): 0.9  
 Volume Dev. Index: 1.36

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 138  
 Conductivity (umhos): 225  
 Total Alkalinity (mg/l): 86  
 pH: 8.6

Maximum Length (km): 1.47  
 Maximum Width (km): 1.51  
 Inshore Mean Depth (m): 2.35  
 Pool Elevation (m msl): 165.2

**Climatic Information:**  
 Growing Season (days): 166  
 Growing Deg. Days (50°F base): 2710

## Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

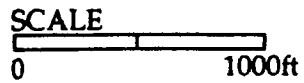
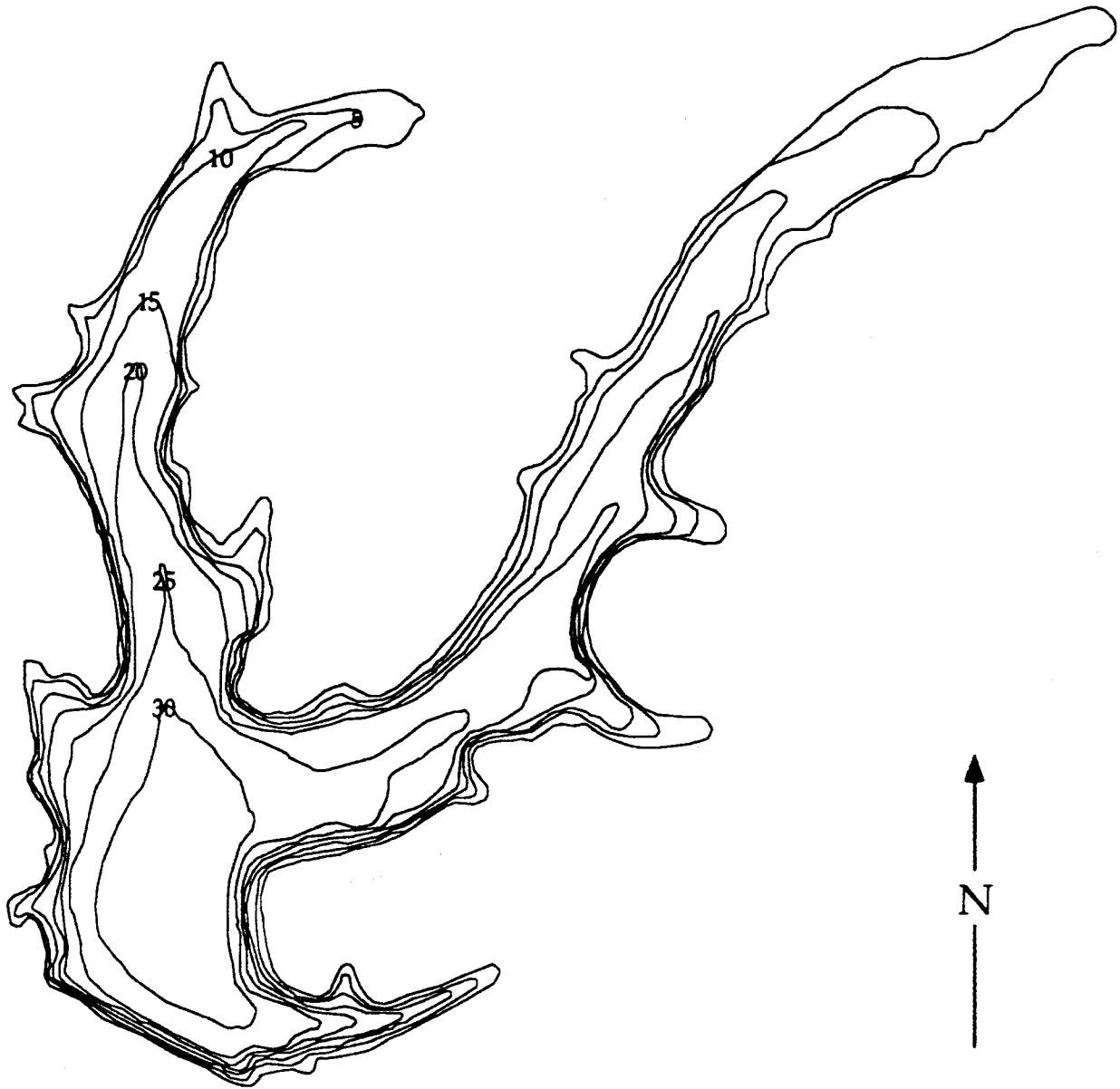
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
E/S/0	5	5
O/S/2	3	3
R/B/0	6	5
W/S/2	7	5
W/S/1	80	44

## Fish Species Present in Lake (based on IDOC sampling):

Black Bullhead	Redear X Warmouth Hybrid
Black Crappie	Tadpole Madtom
Blackstripe Topminnow	Warmouth
Bluegill	Warmouth X Bluegill
Bluegill X Redear	White Crappie
Channel Catfish	White Sucker
Fathead Minnow	
Golden Redhorse	
Green Sunfish	
Largemouth Bass	
Redear Sunfish	
Redear X Green Sunfish	

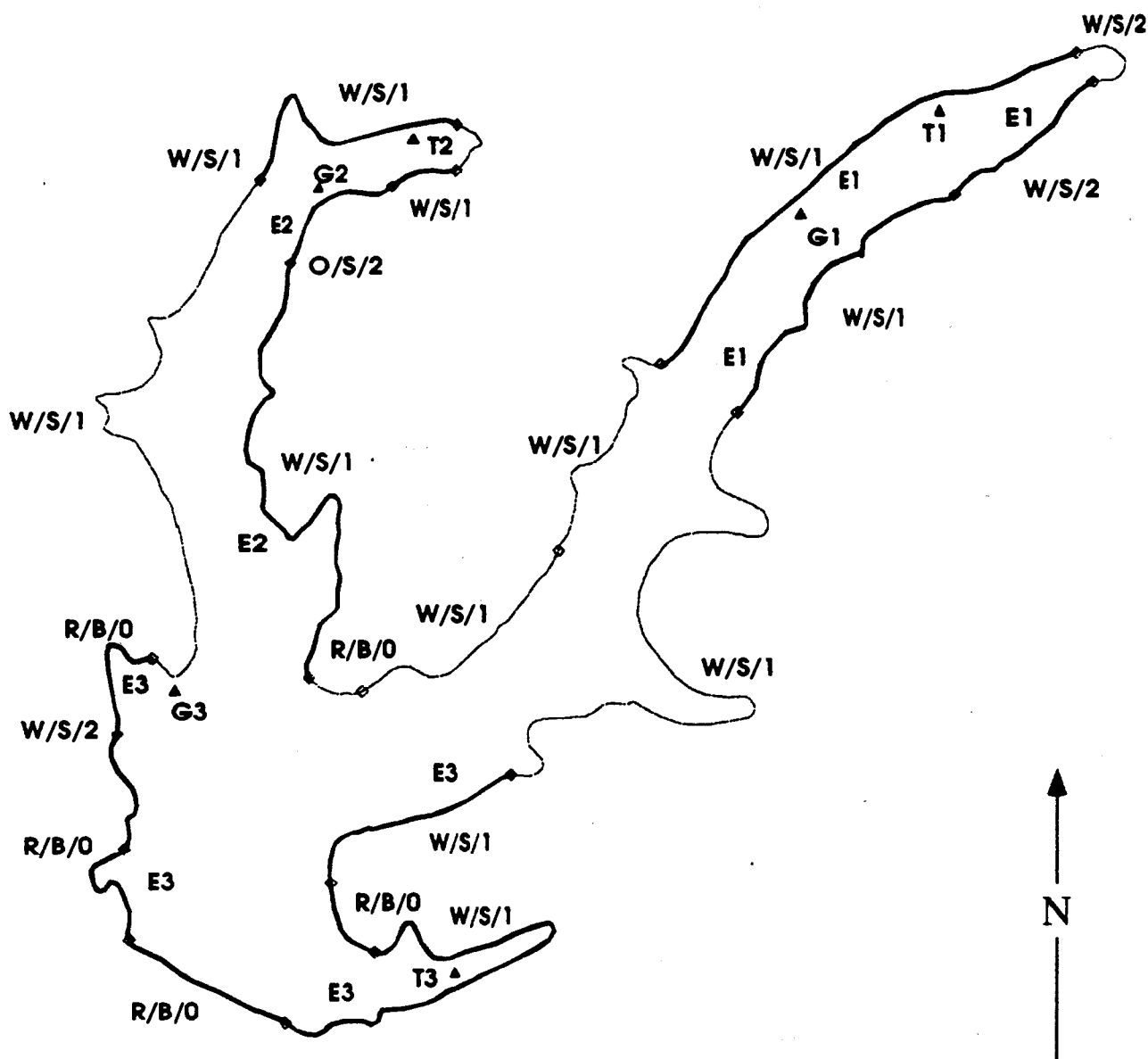
**Notes and Comments:**

# LINCOLN TRAIL LAKE



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from 7.5 min.  
USGS topographic map  
Date completed: 10/28/86

# LINCOLN TRAIL LAKE



**Habitat Codes** (given as a three character code: **Habitat/Substrate/Hard Cover**)

<b>Habitat:</b>	<b>Substrate:</b>	<b>Hard Cover Rating:</b>
W = Woody debris	M = Mud or silt	0 = 0% woody debris and no docks.
E = Emergent vegetation	C = Clay	1 = 0% woody debris with docks or 1-33% woody debris.
R = Rip rap	S = Sand	2 = 1-33% woody debris with many docks or 34-66% woody debris.
O = Open area	G = Gravel	3 = 34-66% woody debris with many docks or greater than 67% woody debris.
D = Docks	B = Rock or boulder	
T = Retaining wall or dam face	U = Unknown	
U = Unknown		

Information compiled by the Illinois Natural History Survey, completed 10/29/86

# LONG LAKE

## (Kickapoo State Park)

County: VERMILLION  
 Latitude: 400768  
 Longitude: 874430

Township: T19N  
 Range: R12W  
 Section: 4,5,8,9

Year Constructed: 1927

USGS 7.5' Quad: DANVILLE NW\*  
 Major River Basin: WABASH  
 Inflowing Stream: NONE  
 Outflowing Stream: NONE

**Typical Water Chemistry:**

Secchi Disk Depth (cm): 792  
 Conductivity (umhos): 1723  
 Total Alkalinity (mg/l): 146  
 pH: 7.2

IDOC Region: 3  
 IDOC District: 8  
 IDOC Lake Number: 95  
 Storet Code: RB-A02-M  
 IDOC Lake Class: ST  
 Lake Origin: AS  
 Natural Division: 10C

Surface Area (ha): 20.7  
 Surface Area (acres): 49.7  
 Mean Depth (m): 2.667  
 Maximum Depth (m): 10.973  
 Shore Length (km): 5.472  
 Shoreline Dev. Index: 3.39

Watershed Area (ha): 40  
 Storage Cap. (1000 m<sup>3</sup>): 552.41  
 Retention Time (yrs): 9.1  
 Volume Dev. Index: 0.72

Maximum Length (km): 1.47  
 Maximum Width (km): 1.26  
 Inshore Mean Depth (m): 3.18  
 Pool Elevation (m msl): 164.6

**Climatic Information:**

Growing Season (days): 166  
 Growing Deg. Days (50°F base): 3456

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

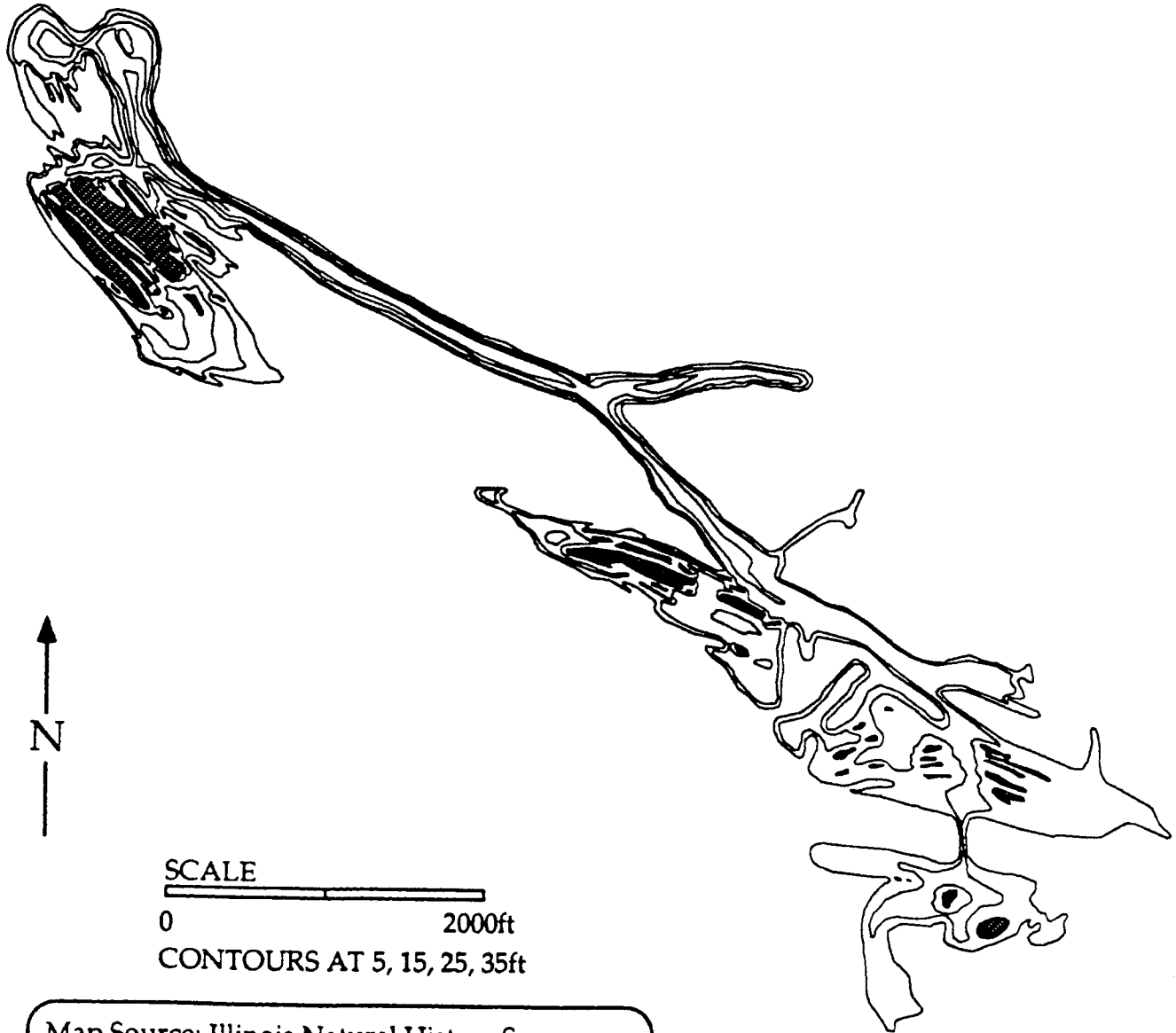
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
O/C/0	2	2
T/S/0	1	1
W/C/2	97	15

**Fish Species Present in Lake (based on IDOC sampling):**

Black Bullhead	Green Sunfish X Bluegill
Black Crappie	Lake Chubsucker
Blackstripe Topminnow	Largemouth Bass
Bluegill	Longear Sunfish
Bluegill X Redear	Northern Pike
Brook Silverside	Pumpkinseed
Carp	Redear Sunfish
Central Mudminnow	Warmouth
Channel Catfish	White Crappie
Gizzard Shad	White Sucker
Golden Shiner	Yellow Perch
Grass Pickerel	

**Notes and Comments:**

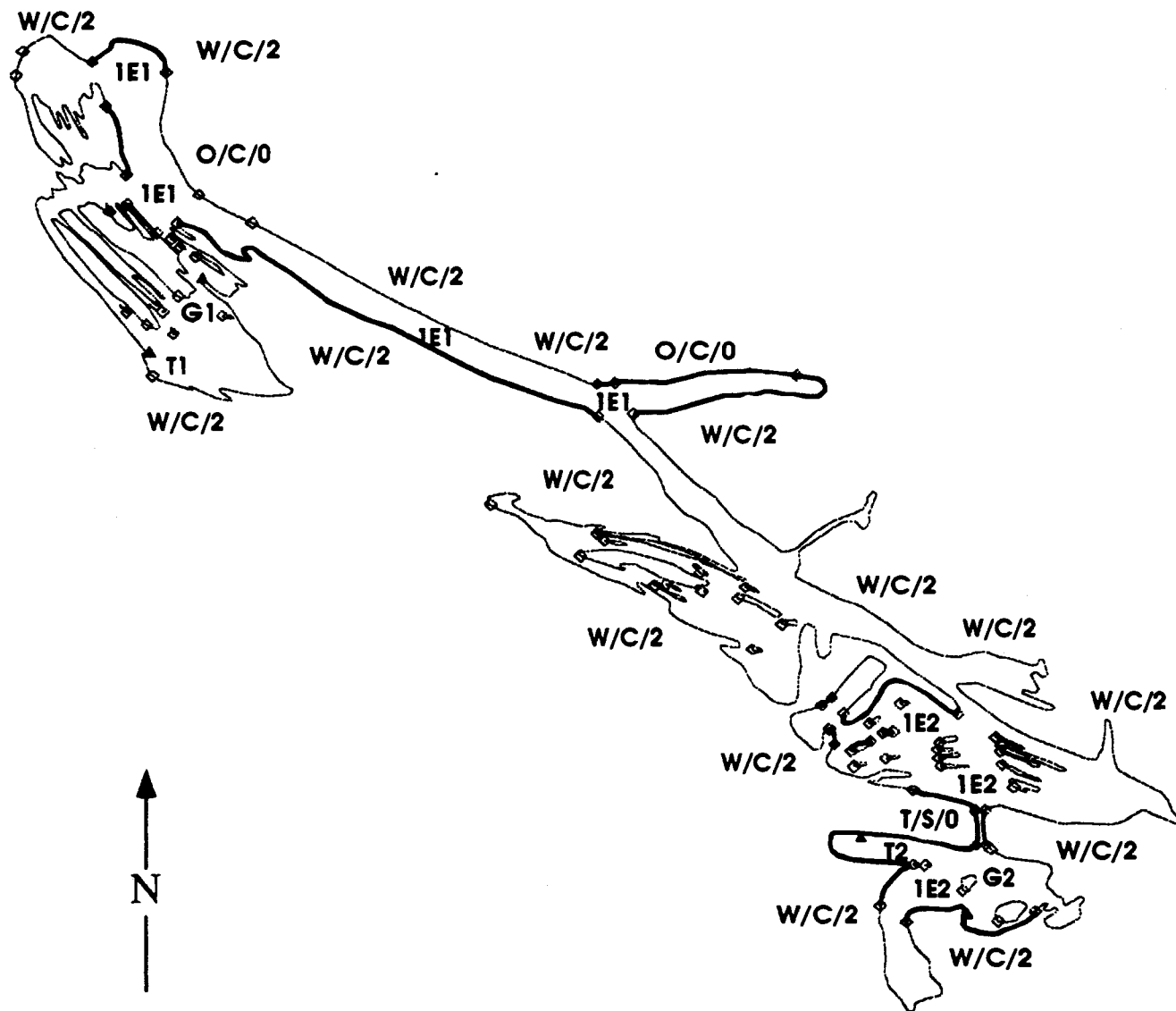
# LONG LAKE



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from ASCS  
aerial photo  
Date completed: 7/27/89



# LONG LAKE



**Habitat Codes (given as a three character code: Habitat/Substrate/Hard Cover)**

<b>Habitat:</b>	<b>Substrate:</b>	<b>Hard Cover Rating:</b>
W = Woody debris	M = Mud or silt	0 = 0% woody debris and no docks.
E = Emergent vegetation	C = Clay	1 = 0% woody debris with docks or 1-33% woody debris.
R = Rip rap	S = Sand	2 = 1-33% woody debris with many docks or 34-66% woody debris.
O = Open area	G = Gravel	3 = 34-66% woody debris with many docks or greater than 67% woody debris.
D = Docks	B = Rock or boulder	
T = Retaining wall or dam face	U = Unknown	
U = Unknown		

Information compiled by the Illinois Natural History Survey, completed 10/29/86

# MALLARD LAKE

County: DUPAGE  
Latitude: 425136  
Longitude: 880730

Township: T40N  
Range: R10E  
Section: 18

IDOC Region: 2  
IDOC District: 5  
IDOC Lake Number: 79  
STORET Code:  
IDOC Lake Class: PU  
Lake Origin: NO  
Natural Division: 3A

Surface Area (ha): 30.8  
Surface Area (acres): 73.8  
Mean Depth (m): 3.14  
Maximum Depth (m): 7.92  
Shore Length (km): 3.72  
Shoreline Dev. Index: 1.89

Year Constructed: 1951

USGS 7.5' Quad: WEST CHICAGO  
Major River Basin: DES PLAINES  
Inflowing Stream: WBR DUPAGE R  
Outflowing Stream: NONE

Typical Water Chemistry:  
Secchi Disk Depth (cm): 91  
Conductivity (umhos): 730  
Total Alkalinity (mg/l): 122  
pH: 8.5

Watershed Area (ha): 34  
Storage Cap. (1000 m<sup>3</sup>): 966.29  
Retention Time (yrs): 14.0  
Volume Dev. Index: 1.18

Maximum Length (km): 0.707  
Maximum Width (km): 0.921  
Inshore Mean Depth (m): 1.6  
Pool Elevation (m msl): 233.5

Climatic Information:  
Growing Season (days): 162  
Growing Deg. Days (50°F base): 2618

## Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

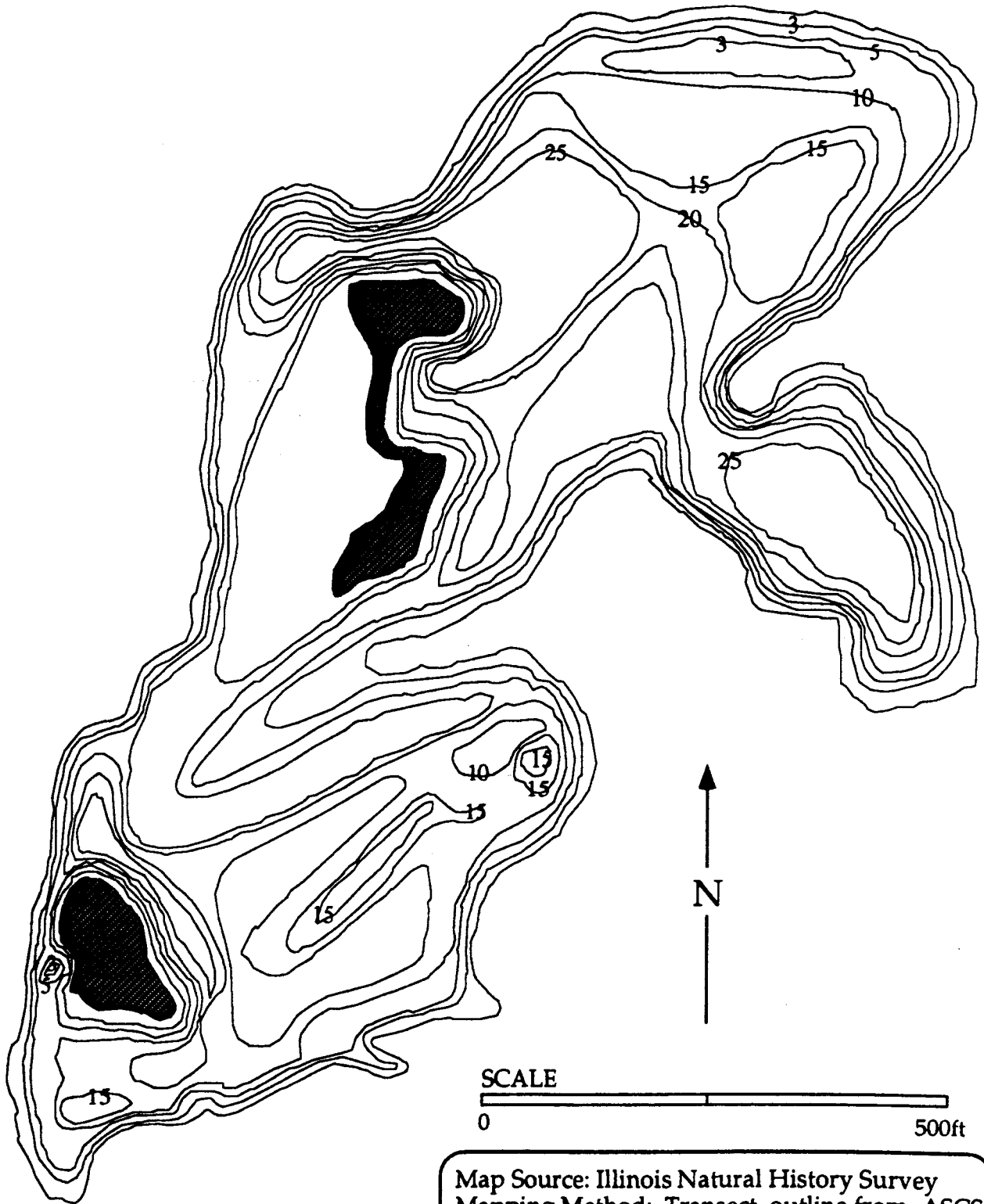
<u>Habitat Type</u>	<u>Percent of Total Shoreline</u>	<u>Percent of Total Shoreline Sampled by Electrofishing</u>
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N/A

## Fish Species Present in Lake (based on IDOC sampling):

Black Crappie  
Bluegill  
Carp  
Channel Catfish  
Flathead Catfish  
Gizzard Shad  
Green Sunfish  
Green Sunfish X Bluegill  
Largemouth Bass  
White Crappie  
White Sucker

# MALLARD LAKE



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from ASCS  
aerial photo  
Date completed: 6/90

# LAKE MARIE

## (Fox Chain of Lakes)

County: LAKE  
 Latitude: 422746  
 Longitude: 880804  
 Township: T46N  
 Range: R9E  
 Section: 12,13,14,24

IDOC Region: 2  
 IDOC District: 6  
 IDOC Lake Number: 4226  
 STORET Code: RT-B01-R  
 IDOC Lake Class: PU  
 Lake Origin: NG  
 Natural Division: 3A

Surface Area (ha): 243.8  
 Surface Area (acres): 585.0  
 Mean Depth (m): 2.6  
 Maximum Depth (m): 7.925  
 Shore Length (km): 24.945  
 Shoreline Dev. Index: 4.5

Year Constructed: 1939

USGS 7.5' Quad:  
 Major River Basin: FOX  
 Inflowing Stream: FROM CHANNEL L/TREAVOR CR(WI)  
 Outflowing Stream: FOX R

Typical Water Chemistry:  
 Secchi Disk Depth (cm): 46  
 Conductivity (umhos): 581  
 Total Alkalinity (mg/l): 218  
 pH: 8.0

Watershed Area (ha): 1700  
 Storage Cap. (1000 m<sup>3</sup>): 6345.12  
 Retention Time (yrs): 0.1  
 Volume Dev. Index: 0.98

Maximum Length (km): 2.722  
 Maximum Width (km): 3.507  
 Inshore Mean Depth (m): 1  
 Pool Elevation (m msl): 224.9

Climatic Information:  
 Growing Season (days): 158  
 Growing Deg. Days (50°F base): 2694

### Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

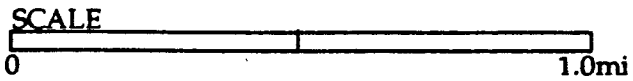
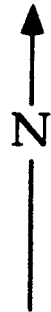
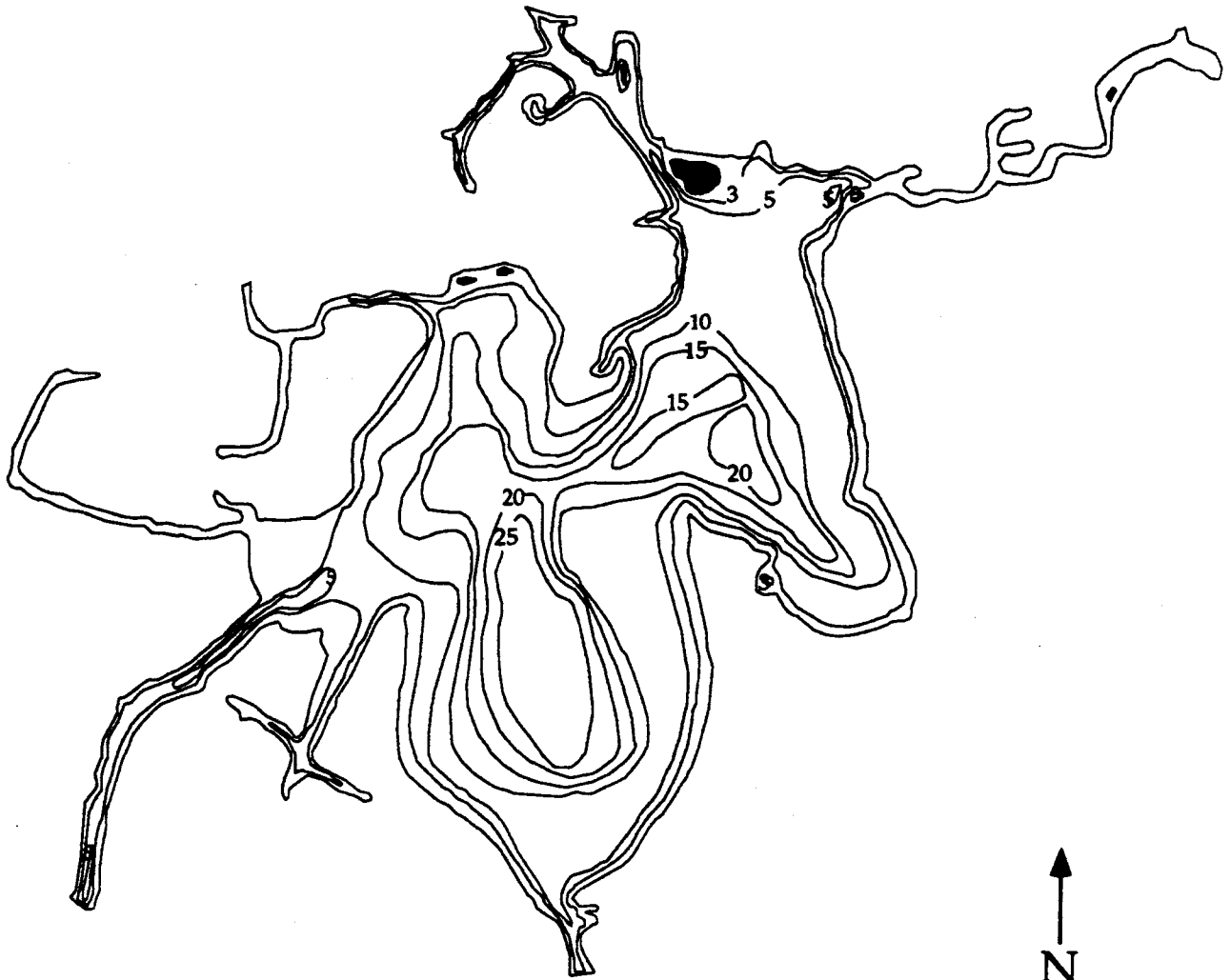
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
T/G/1	36	29
U/U/0	1	
W/G/1	63	2

### Fish Species Present in Lake (based on IDOC sampling):

Black Bullhead	Silver Redhorse
Black Crappie	Quillback Carpsucker
Bluegill	Walleye
Brown Bullhead	Warmouth
Carp	White Bass
Channel Catfish	White Crappie
Golden Shiner	White Sucker
Green Sunfish	Yellow Perch
Largemouth Bass	Yellow Bass
Logperch	
Muskellunge	
Northern Hogsucker	
Orangespotted Sunfish	
Pumpkinseed	
Spotted Sucker	

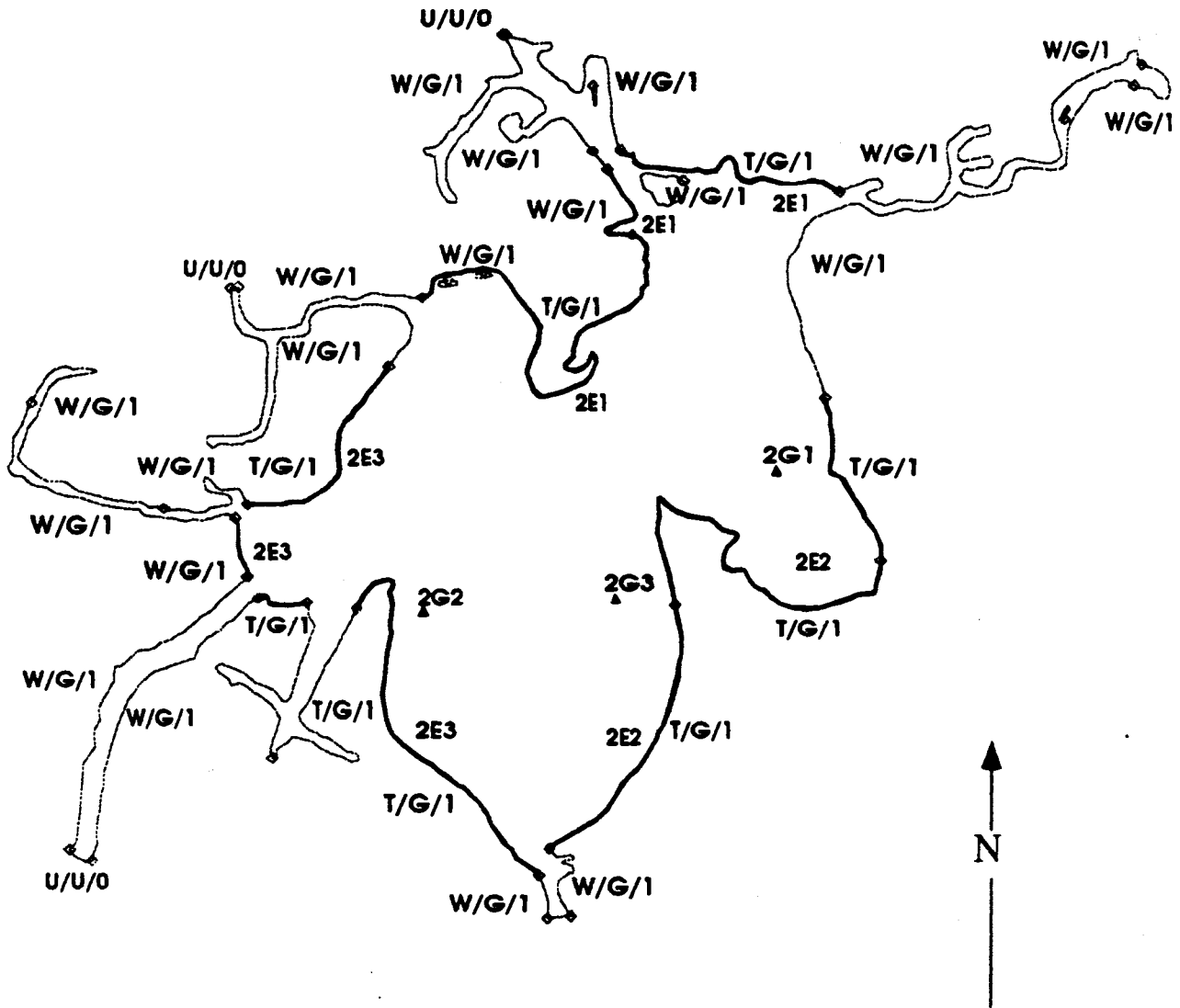
**Notes and Comments:**

# LAKE MARIE



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from 7.5 min.  
USGS topographic map  
Date completed: 10/90

# LAKE MARIE



## Habitat Codes (given as a three character code: Habitat/Substrate/Hard Cover)

### Habitat:

W = Woody debris  
 E = Emergent vegetation  
 R = Rip rap  
 O = Open area  
 D = Docks  
 T = Retaining wall or dam face  
 U = Unknown

### Substrate:

M = Mud or silt  
 C = Clay  
 S = Sand  
 G = Gravel  
 B = Rock or boulder  
 U = Unknown

### Hard Cover Rating:

0 = 0% woody debris and no docks.  
 1 = 0% woody debris with docks or  
 1-33% woody debris.  
 2 = 1-33% woody debris with many docks  
 or 34-66% woody debris.  
 3 = 34-66% woody debris with many docks  
 or greater than 67% woody debris.

Information compiled by the Illinois Natural History Survey, completed 10/29/86

# LAKE MATTOON

County: COLES  
 Latitude: 392216  
 Longitude: 882750

Township: T10N  
 Range: R6E  
 Section: MANY

IDOC Region: 3  
 IDOC District: 9  
 IDOC Lake Number: 156  
 STORET Code: RC-A09-F  
 IDOC Lake Class: PU  
 Lake Origin: AA  
 Natural Division: 4A

Surface Area (ha): 411.6  
 Surface Area (acres): 987.8  
 Mean Depth (m): 3.47  
 Maximum Depth (m): 9.4  
 Shore Length (km): 45.47  
 Shoreline Dev. Index: 6.32

Year Constructed: 1955

USGS 7.5' Quad: MATTON W/NEOGA  
 Major River Basin: WABASH  
 Inflowing Stream: LIL WABASH R  
 Outflowing Stream: LIL WABASH R>WABASH R>OHIO R

Watershed Area (ha): 14245  
 Storage Cap. (1000 m<sup>3</sup>): 14285.56  
 Retention Time (yrs): 0.4  
 Volume Dev. Index: 1.13

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 52  
 Conductivity (umhos): 396  
 Total Alkalinity (mg/l): 80  
 pH: 8.7

Maximum Length (km): 5.27  
 Maximum Width (km): 4.27  
 Inshore Mean Depth (m): 1.3  
 Pool Elevation (m msl): 192.9

**Climatic Information:**  
 Growing Season (days): 183  
 Growing Deg. Days (50°F base): 3561

## Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
D/C/0	4	
D/C/1	4	
E/C/0	2	2
E/M/0	8	
O/C/0	32	5
O/G/0	1	
R/B/0	7	2
T/C/1	5	
W/M/2	6	3
W/G/1	2	

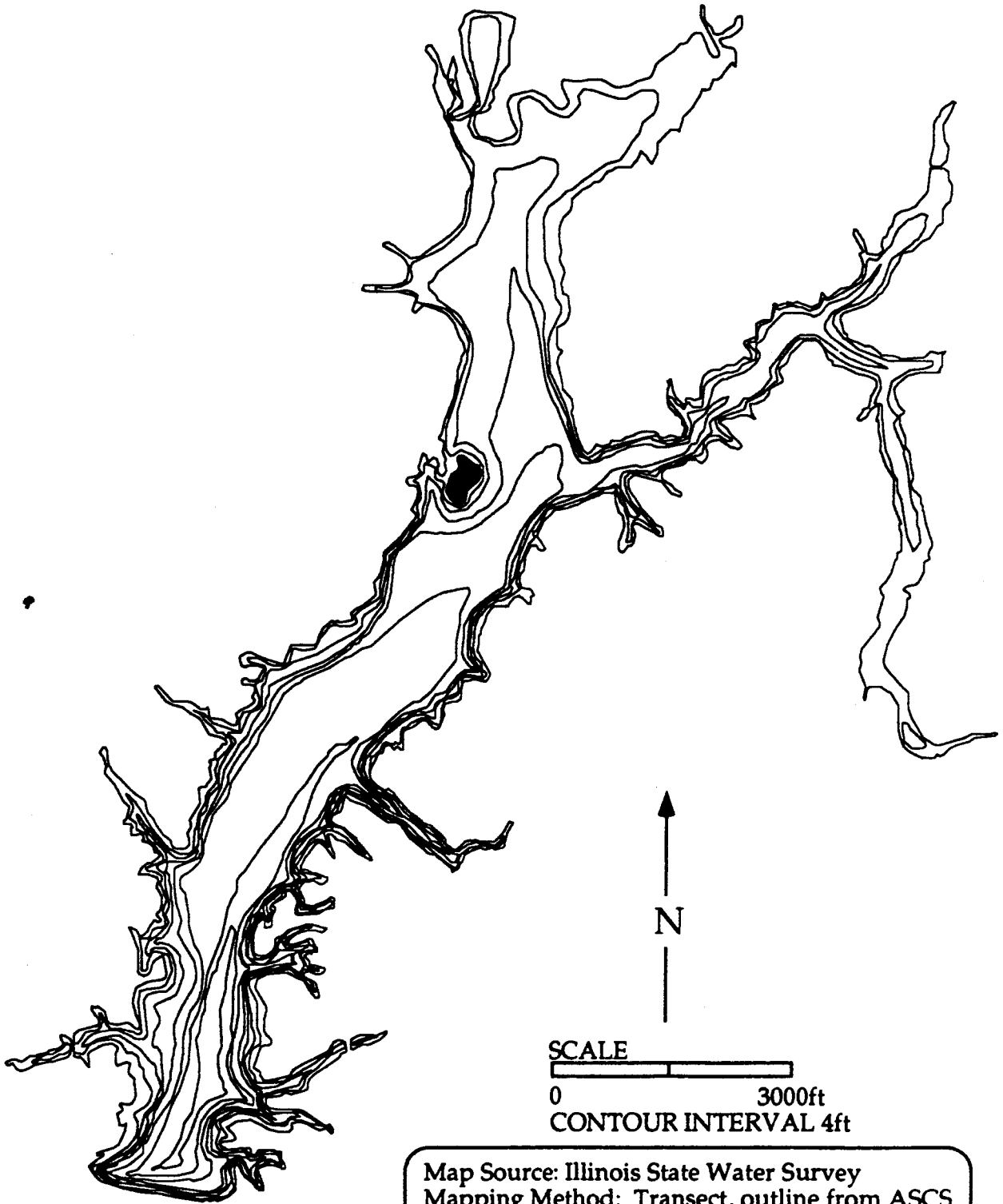
## Fish Species Present in Lake (based on IDOC sampling):

Black Bullhead	Largemouth Bass
Black Crappie	Longear Sunfish
Bluegill	Orangespotted Sunfish
Carp	Red Shiner
Channel Catfish	Spottail Shiner
Freshwater Drum	White Crappie
Gizzard Shad	Yellow Bullhead
Golden Shiner	
Green Sunfish	
Green Sunfish X Bluegill	



**Notes and Comments:**

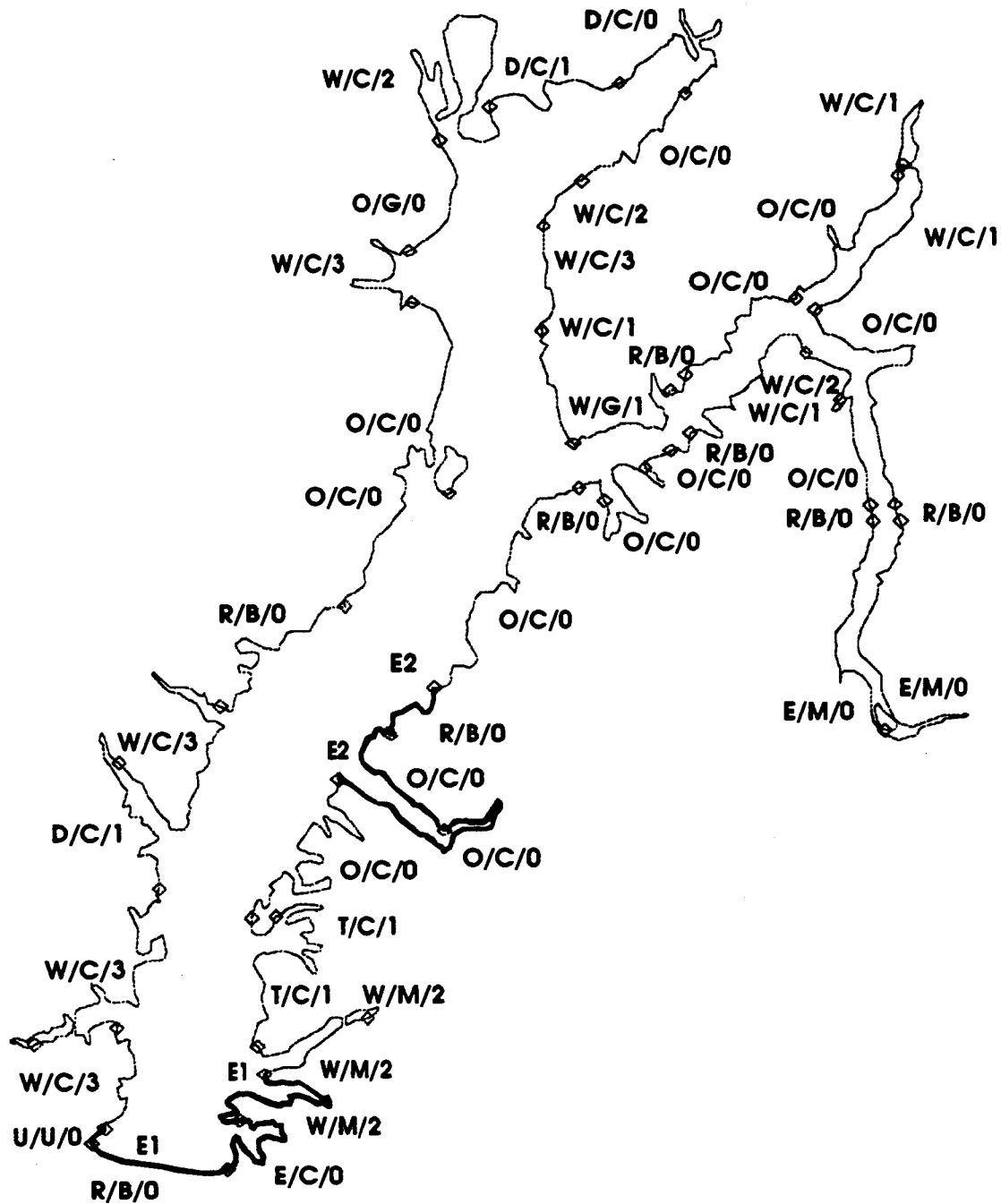
# LAKE MATTOON



SCALE  
0 3000ft  
CONTOUR INTERVAL 4ft

Map Source: Illinois State Water Survey  
Mapping Method: Transect, outline from ASCS  
aerial photo  
Date completed: unknown

# LAKE MATTOON



**Habitat Codes** (given as a three character code: Habitat/Substrate/Hard Cover)

<b>Habitat:</b>	<b>Substrate:</b>	<b>Hard Cover Rating:</b>
W = Woody debris	M = Mud or silt	0 = 0% woody debris and no docks.
E = Emergent vegetation	C = Clay	1 = 0% woody debris with docks or 1-33% woody debris.
R = Rip rap	S = Sand	2 = 1-33% woody debris with many docks or 34-66% woody debris.
O = Open area	G = Gravel	3 = 34-66% woody debris with many docks or greater than 67% woody debris.
D = Docks	B = Rock or boulder	
T = Retaining wall or dam face	U = Unknown	
U = Unknown		

Information compiled by the Illinois Natural History Survey, completed 10/29/86

# MAZONIA LAKE #7

County: GRUNDY  
 Latitude: 411152  
 Longitude: 881641

Township: T31N  
 Range: R8E  
 Section: 2

Year Constructed: 1962

USGS 7.5' Quad: GARDNER  
 Major River Basin: ILLINOIS  
 Inflowing Stream: NONE  
 Outflowing Stream: NONE

**Typical Water Chemistry:**

Secchi Disk Depth (cm): 213.36  
 Conductivity (umhos): 960  
 Total Alkalinity (mg/l): 159  
 pH: 8.1

IDOC Region: 2  
 IDOC District: 7  
 IDOC Lake Number: 4216  
 Storet Code:  
 IDOC Lake Class: ST  
 Lake Origin: AS  
 Natural Division: 4E-

Surface Area (ha): 13.7  
 Surface Area (acres): 32.9  
 Mean Depth (m): 4.3  
 Maximum Depth (m): 9.75  
 Shore Length (km): 5.88  
 Shoreline Dev. Index: 4.48

Watershed Area (ha): 34  
 Storage Cap. (1000 m<sup>3</sup>): 589.3  
 Retention Time (yrs): 7.6  
 Volume Dev. Index: 1.32

Maximum Length (km): 0.97  
 Maximum Width (km): 1.27  
 Inshore Mean Depth (m): 4.9  
 Pool Elevation (m msl): 182

**Climatic Information:**

Growing Season (days): 174  
 Growing Deg. Days (50°F base): 3126

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

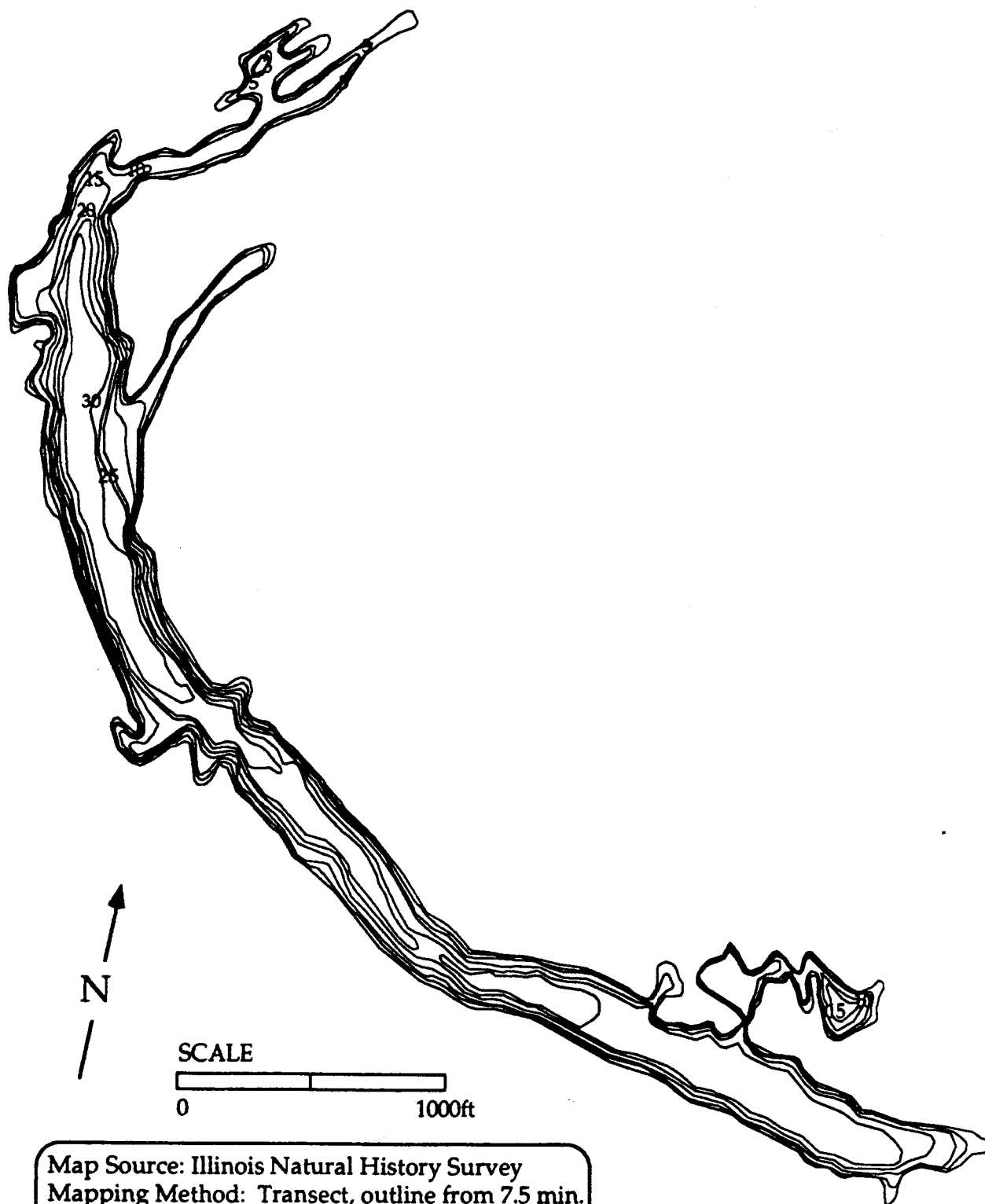
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
E/C/0	100	67

**Fish Species Present in Lake (based on IDOC sampling):**

Black Bullhead	Golden Shiner	White Crappie
Blackstripe Topminnow	Grass Pickerel	White Sucker
Bluegill	Green Sunfish	Yellow Bullhead
Bluntnose Minnow	Green Sunfish X Bluegill	Yellow Perch
Brook Silverside	Johnny Darter	
Bullhead Minnow	Largemouth Bass	
Carp	Logperch	
Channel Catfish	Longear Sunfish	
Common Shiner	Longnose Gar	
Freshwater Drum	Northern Pike	
Gizzard Shad	Shorthead Redhorse	
Golden Redhorse	Silver Redhorse	

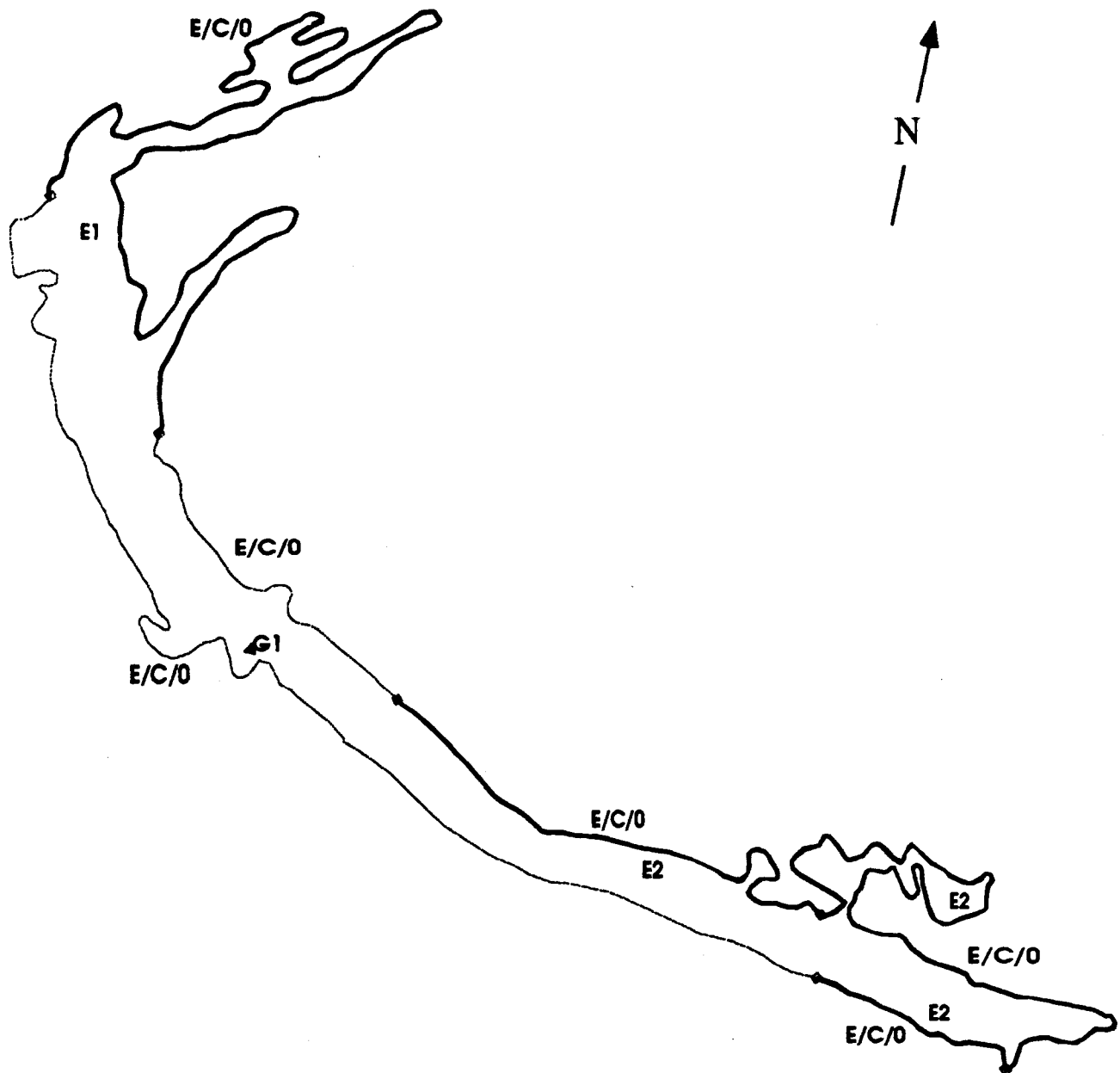
**Notes and Comments:**

# MAZONIA LAKE #7



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from 7.5 min.  
USGS topographic map  
Date completed: 6/7/89

# MAZONIA LAKE #7



**Habitat Codes** (given as a three character code: **Habitat/Substrate/Hard Cover**)

<b>Habitat:</b>	<b>Substrate:</b>	<b>Hard Cover Rating:</b>
W = Woody debris	M = Mud or silt	0 = 0% woody debris and no docks.
E = Emergent vegetation	C = Clay	1 = 0% woody debris with docks or 1-33% woody debris.
R = Rip rap	S = Sand	2 = 1-33% woody debris with many docks or 34-66% woody debris.
O = Open area	G = Gravel	3 = 34-66% woody debris with many docks or greater than 67% woody debris.
D = Docks	B = Rock or boulder	
T = Retaining wall or dam face	U = Unknown	
U = Unknown		

Information compiled by the Illinois Natural History Survey, completed 10/29/86

# MAZONIA LAKE #8

County: GRUNDY  
 Latitude: 411137  
 Longitude: 881627

Township: T31N  
 Range: R8E  
 Section: 2

IDOC Region: 2  
 IDOC District: 7  
 IDOC Lake Number: 4217  
 Storet Code:  
 IDOC Lake Class: ST  
 Lake Origin: AS  
 Natural Division: 4E

Surface Area (ha): 7.3  
 Surface Area (acres): 17.6  
 Mean Depth (m): 3.42  
 Maximum Depth (m): 7.925  
 Shore Length (km): 2.77  
 Shoreline Dev. Index: 2.88

Year Constructed: 1962

USGS 7.5' Quad: GARDNER  
 Major River Basin: ILLINOIS  
 Inflowing Stream: NONE  
 Outflowing Stream: TO MAZ L 9>MAZON R>ILL R

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 244  
 Conductivity (umhos): 736  
 Total Alkalinity (mg/l): 161  
 pH: 8.0

Watershed Area (ha): 49  
 Storage Cap. (1000 m<sup>3</sup>): 250.79  
 Retention Time (yrs): 2.2  
 Volume Dev. Index: 1.29

Maximum Length (km): 1.06  
 Maximum Width (km): 0.44  
 Inshore Mean Depth (m): 3.25  
 Pool Elevation (m msl): 182

**Climatic Information:**  
 Growing Season (days): 174  
 Growing Deg. Days (50°F base): 3126

### Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
E/C/0	100	62

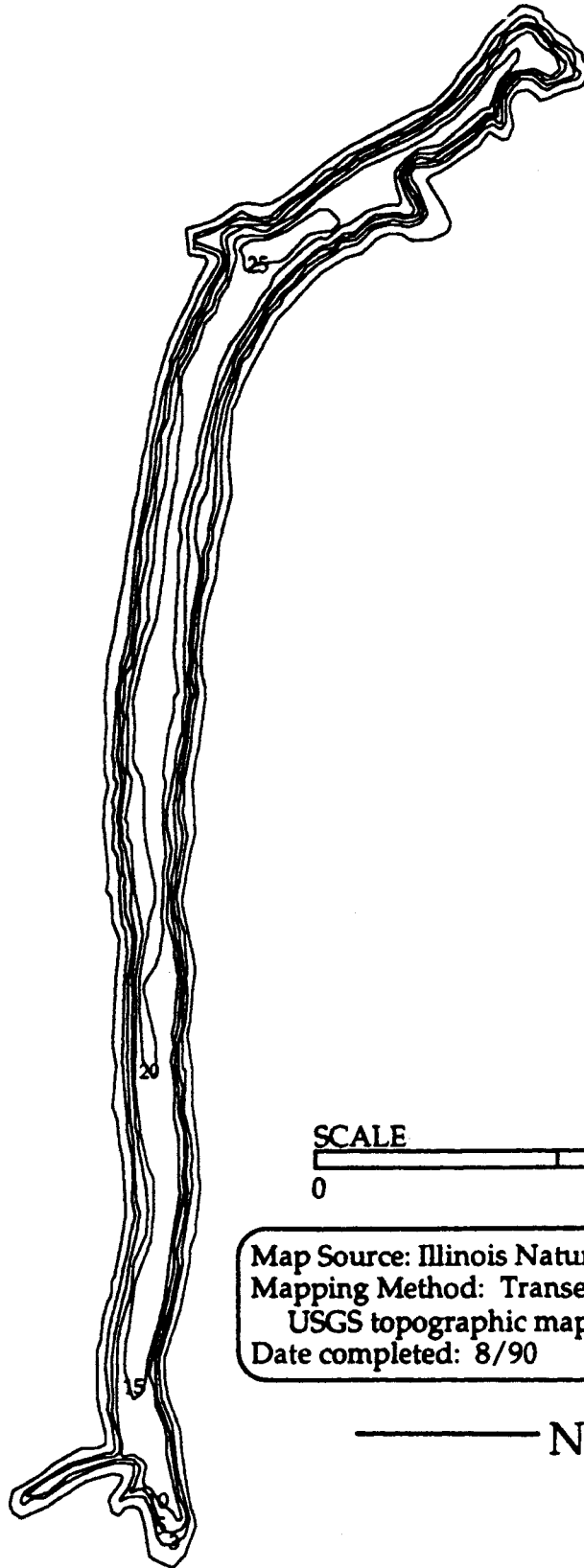
### Fish Species Present in Lake (based on IDOC sampling):

Black Bullhead	Green Sunfish
Blackstripe Topminnow	Green Sunfish X Bluegill
Bluegill	Largemouth Bass
Bluntnose Minnow	Logperch
Brook Silverside	Longear Sunfish
Carp	Longnose Gar
Carp X Goldfish	Northern Pike
Channel Catfish	Shorthead Redhorse
Freshwater Drum	Smallmouth Buffalo
Gizzard Shad	White Crappie
Golden Redhorse	White Sucker
Grass Pickerel	Yellow Bullhead



**Notes and Comments:**

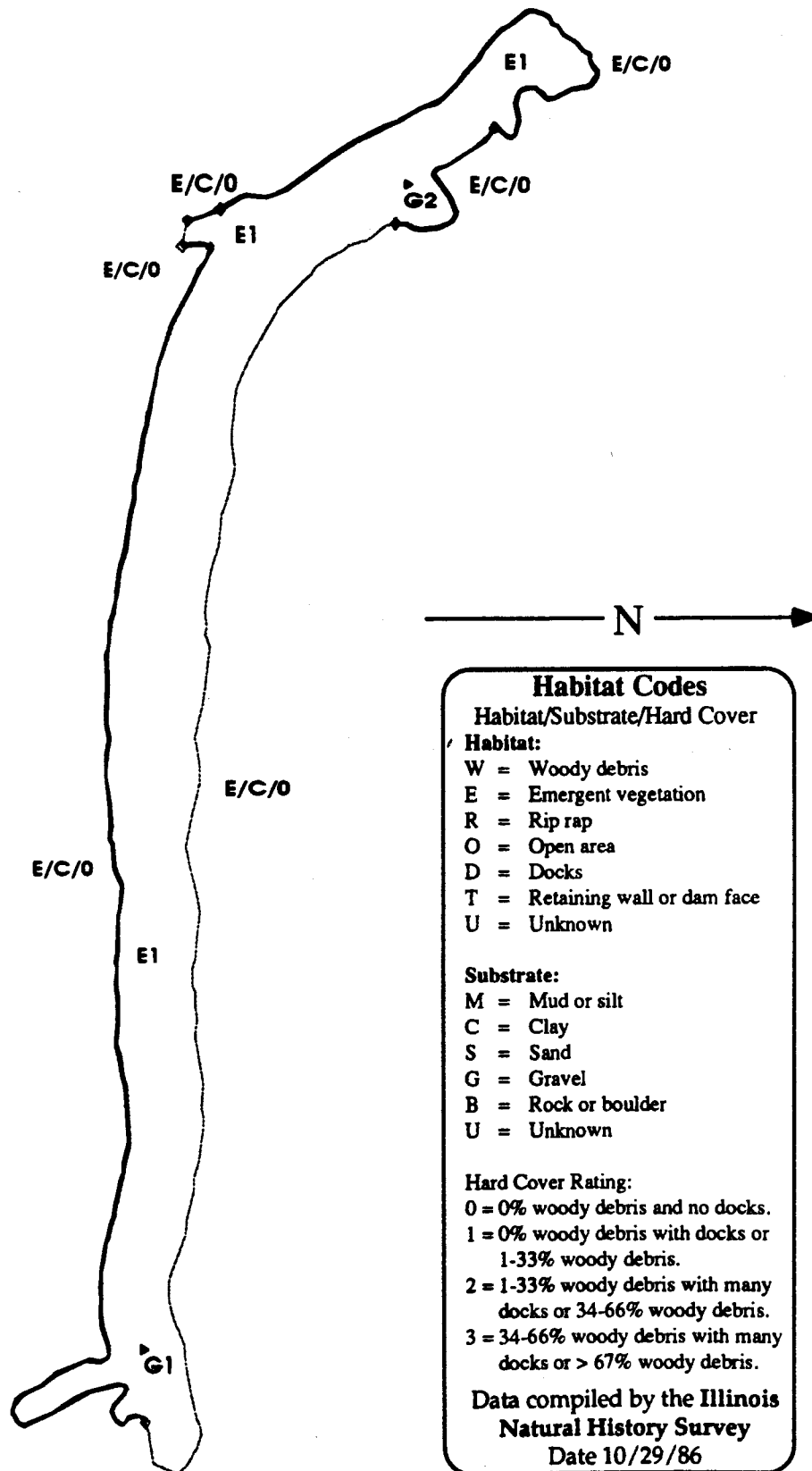
# MAZONIA LAKE #8



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from 7.5 min.  
USGS topographic map  
Date completed: 8/90



# MAZONIA LAKE #8



# MAZONIA LAKE #9

County: GRUNDY  
 Latitude: 411117  
 Longitude: 881556

Township: T31N  
 Range: R8E  
 Section: 2,1

IDOC Region: 2  
 IDOC District: 7  
 IDOC Lake Number: 4218  
 Storet Code:  
 IDOC Lake Class: ST  
 Lake Origin: AS  
 Natural Division: 4E

Surface Area (ha): 14.2  
 Surface Area (acres): 34.0  
 Mean Depth (m): 3.45  
 Maximum Depth (m): 7.925  
 Shore Length (km): 5.64  
 Shoreline Dev. Index: 4.23

Year Constructed: 1962

USGS 7.5' Quad: GARDNER  
 Major River Basin: ILLINOIS  
 Inflowing Stream: FROM MAZ L 8  
 Outflowing Stream: INT >MAZON R>ILL R

Typical Water Chemistry:  
 Secchi Disk Depth (cm): 244  
 Conductivity (umhos): 725  
 Total Alkalinity (mg/l): 177  
 pH: 7.9

Watershed Area (ha): 49  
 Storage Cap. (1000 m<sup>3</sup>): 489.254  
 Retention Time (yrs): 4.4  
 Volume Dev. Index: 1.3

Maximum Length (km): 1.68  
 Maximum Width (km): 0.64  
 Inshore Mean Depth (m): 3.5  
 Pool Elevation (m msl): 182

Climatic Information:  
 Growing Season (days): 174  
 Growing Deg. Days (50°F base): 3126

## Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

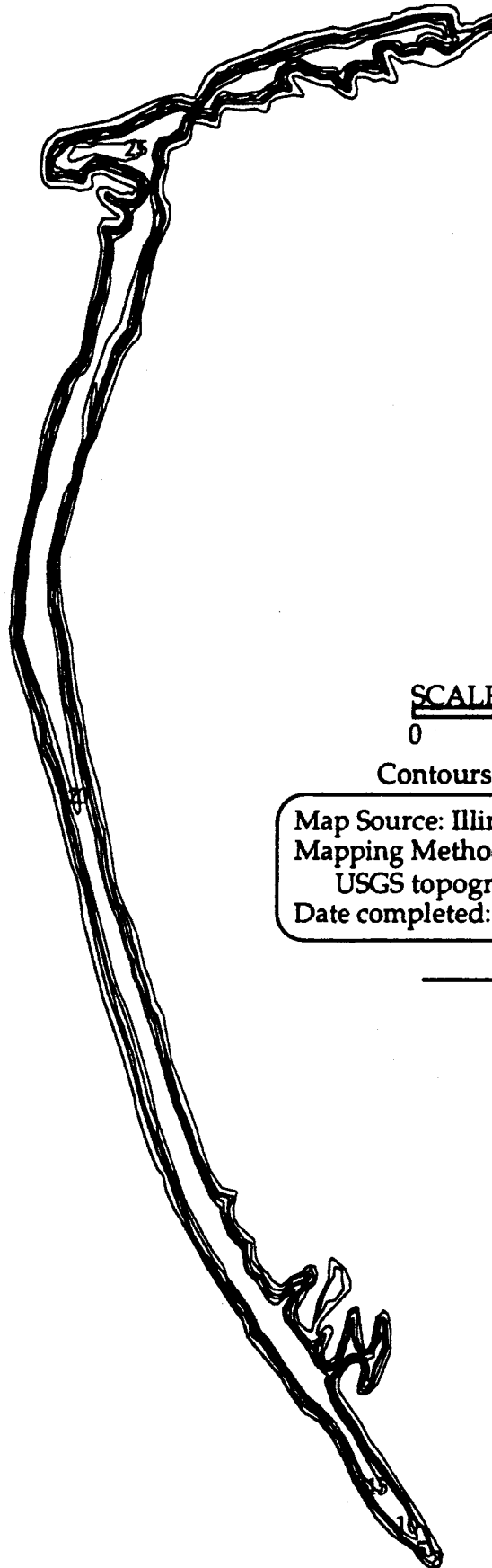
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
E/C/0	100	54

## Fish Species Present in Lake (based on IDOC sampling):

Bigmouth Buffalo	Golden Shiner	Smallmouth Buffalo
Black Bullhead	Grass Pickerel	Spotfin Shiner
Blackstripe Topminnow	Green Sunfish	Spotted Sucker
Bluegill	Green Sunfish X Bluegill	White Crappie
Bluntnose Minnow	Largemouth Bass	White Sucker
Brook Silverside	Logperch	Yellow Bullhead
Carp	Longnose Gar	
Channel Catfish	Northern Pike	
Fathead Minnow	Orangespotted Sunfish	
Freshwater Drum	Shorthead Redhorse	
Gizzard Shad	Silver Redhorse	
Golden Redhorse	Smallmouth Bass	

**Notes and Comments:**

# MAZONIA LAKE #9



SCALE

0

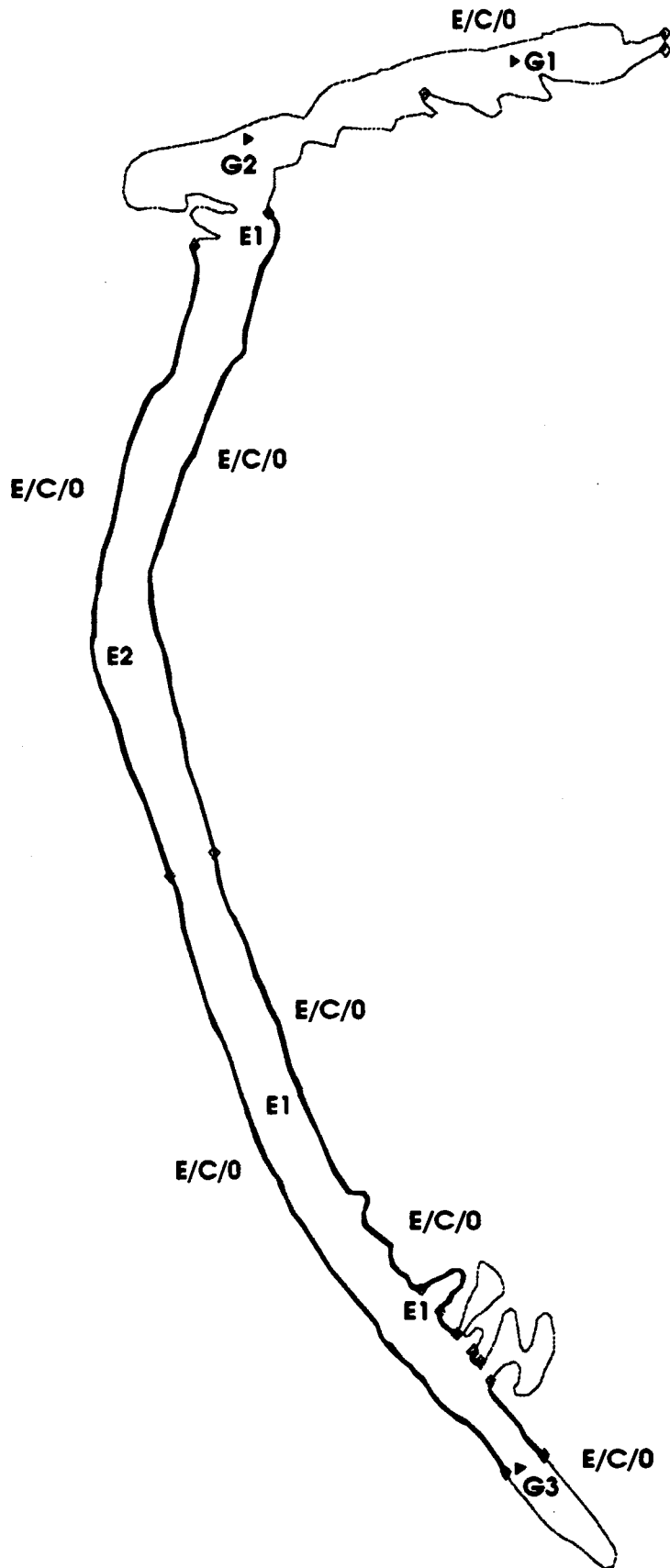
1000ft

Contours at 3,5,10,15,20, and 25 feet

Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from 7.5 min.  
USGS topographic map  
Date completed: 8/90



# MAZONIA LAKE #9



N →

**Habitat Codes**

**Habitat/Substrate/Hard Cover**

**Habitat:**  
 W = Woody debris  
 E = Emergent vegetation  
 R = Rip rap  
 O = Open area  
 D = Docks  
 T = Retaining wall or dam face  
 U = Unknown

**Substrate:**  
 M = Mud or silt  
 C = Clay  
 S = Sand  
 G = Gravel  
 B = Rock or boulder  
 U = Unknown

**Hard Cover Rating:**  
 0 = 0% woody debris and no docks.  
 1 = 0% woody debris with docks or 1-33% woody debris.  
 2 = 1-33% woody debris with many docks or 34-66% woody debris.  
 3 = 34-66% woody debris with many docks or > 67% woody debris.

Data compiled by the Illinois  
 Natural History Survey  
 Date 11/90

# MAZONIA LAKE #10

County: GRUNDY  
 Latitude: 411119  
 Longitude: 881527

Township: T31N  
 Range: R8E  
 Section: 1.2

IDOC Region: 2  
 IDOC District: 7  
 IDOC Lake Number: 4219  
 Storet Code:  
 IDOC Lake Class: ST  
 Lake Origin: AS  
 Natural Division: 4E

Surface Area (ha): 12.3  
 Surface Area (acres): 29.5  
 Mean Depth (m): 3.59  
 Maximum Depth (m): 11.89  
 Shore Length (km): 7.05  
 Shoreline Dev. Index: 5.67

Year Constructed: 1962

USGS 7.5' Quad: GARDNER  
 Major River Basin: ILLINOIS  
 Inflowing Stream: NONE  
 Outflowing Stream: NONE

Typical Water Chemistry:  
 Secchi Disk Depth (cm): 213  
 Conductivity (umhos): 1350  
 Total Alkalinity (mg/l): 151  
 pH: 8.0

Watershed Area (ha): 27  
 Storage Cap. (1000 m<sup>3</sup>): 441.51  
 Retention Time (yrs): 7.2  
 Volume Dev. Index: 0.9

Maximum Length (km): 0.53  
 Maximum Width (km): 1.17  
 Inshore Mean Depth (m): 4  
 Pool Elevation (m msl): 182

Climatic Information:  
 Growing Season (days): 174  
 Growing Deg. Days (50°F base): 3126

### Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

<u>Habitat Type</u>	<u>Percent of Total Shoreline</u>	<u>Percent of Total Shoreline Sampled by Electrofishing</u>
E/G/0	100	41

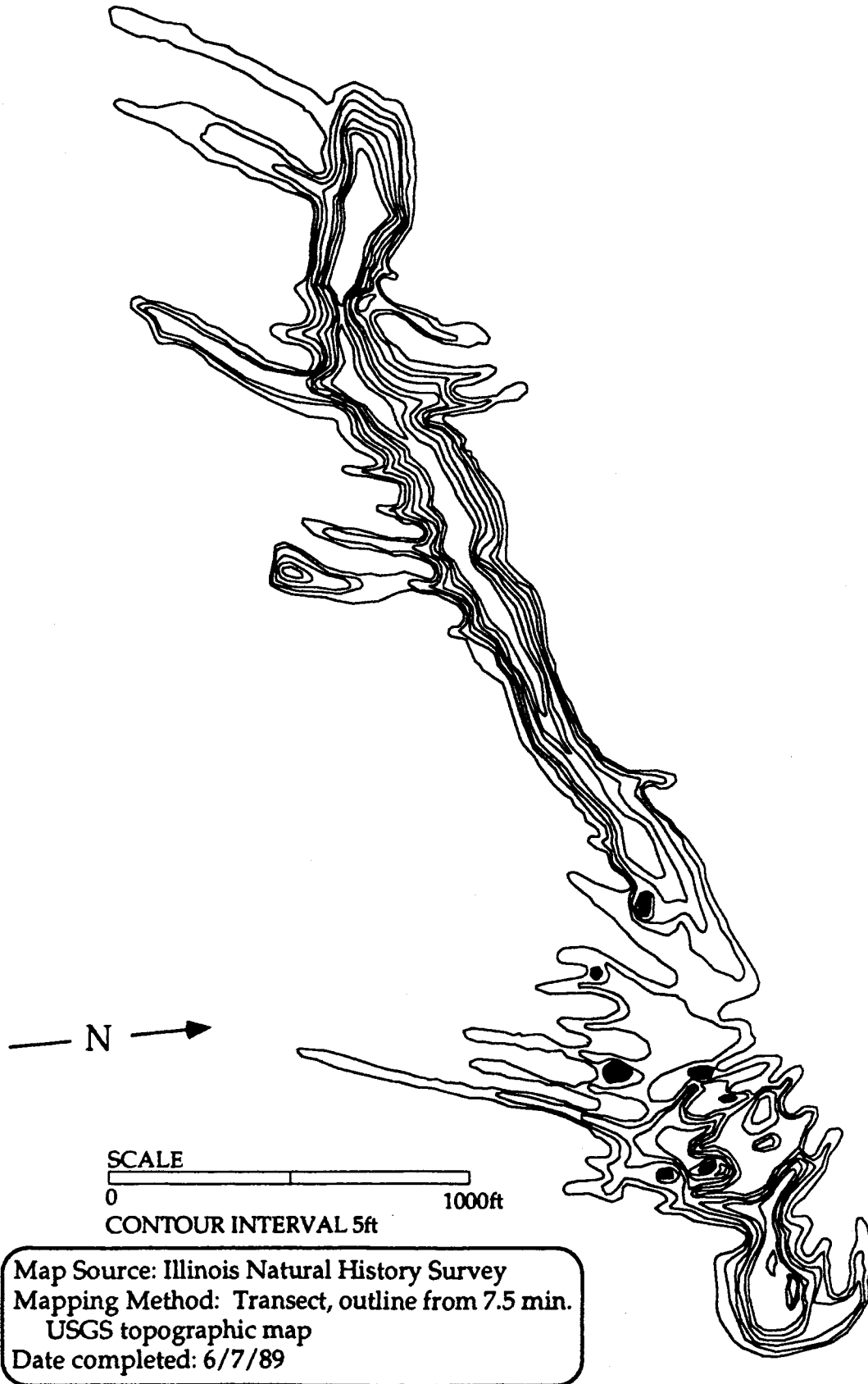
### Fish Species Present in Lake (based on IDOC sampling):

Black Bullhead  
 Bluegill  
 Carp  
 Channel Catfish  
 Gizzard Shad  
 Grass Pickerel  
 Green Sunfish  
 Green Sunfish X Bluegill  
 Largemouth Bass  
 White Crappie  
 Yellow Bullhead

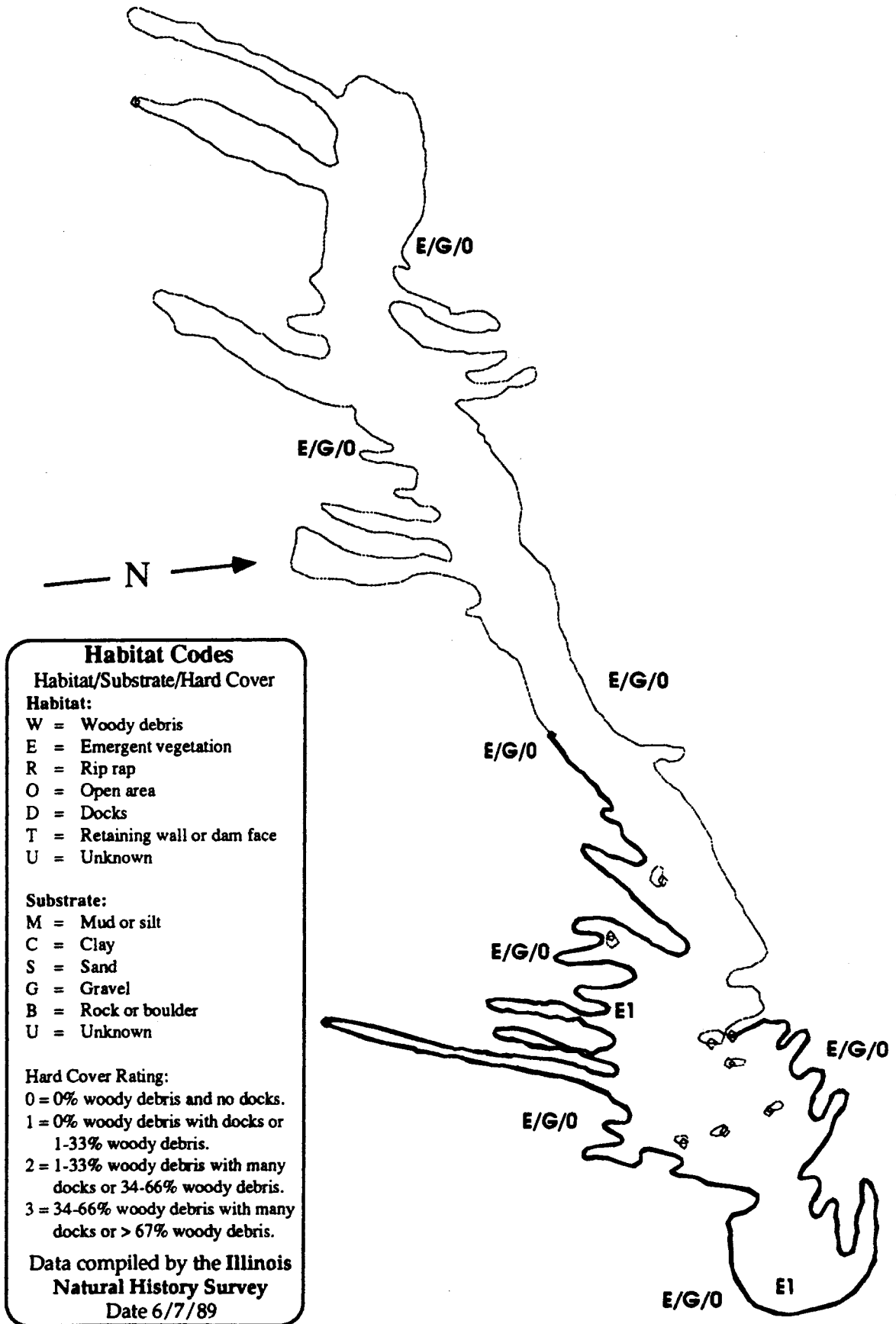


**Notes and Comments:**

# MAZONIA LAKE #10



# MAZONIA LAKE #10



# MCCULLOM LAKE

County: MCHENRY  
 Latitude: 422139  
 Longitude: 881725

Township: T45N  
 Range: R8E  
 Section: 22

IDOC Region: 2  
 IDOC District: 5  
 IDOC Lake Number: 68  
 Storet Code: RT-B02ZD  
 IDOC Lake Class: PU  
 Lake Origin: AA  
 Natural Division: 3A

Surface Area (ha): 101.6  
 Surface Area (acres): 243.7  
 Mean Depth (m): 1.23  
 Maximum Depth (m): 2.9  
 Shore Length (km): 4.67  
 Shoreline Dev. Index: 1.3

Year Constructed: 1890

USGS 7.5' Quad: MCHENRY  
 Major River Basin: FOX  
 Inflowing Stream: INT  
 Outflowing Stream: DUTCH CR>FOX R

Typical Water Chemistry:  
 Secchi Disk Depth (cm): 112  
 Conductivity (umhos): 547  
 Total Alkalinity (mg/l): 176  
 pH: 8.2

Watershed Area (ha): 261  
 Storage Cap. (1000 m<sup>3</sup>): 1251.01  
 Retention Time (yrs): 0.7  
 Volume Dev. Index: 1.27

Maximum Length (km): 1.13  
 Maximum Width (km): 1.36  
 Inshore Mean Depth (m): 0.6  
 Pool Elevation (m msl): 230.7

Climatic Information:  
 Growing Season (days): 158  
 Growing Deg. Days (50°F base): 2694

## Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
E/M/1	23	23
R/B/0	4	4
T/S/1	62	46
T/S/0	11	

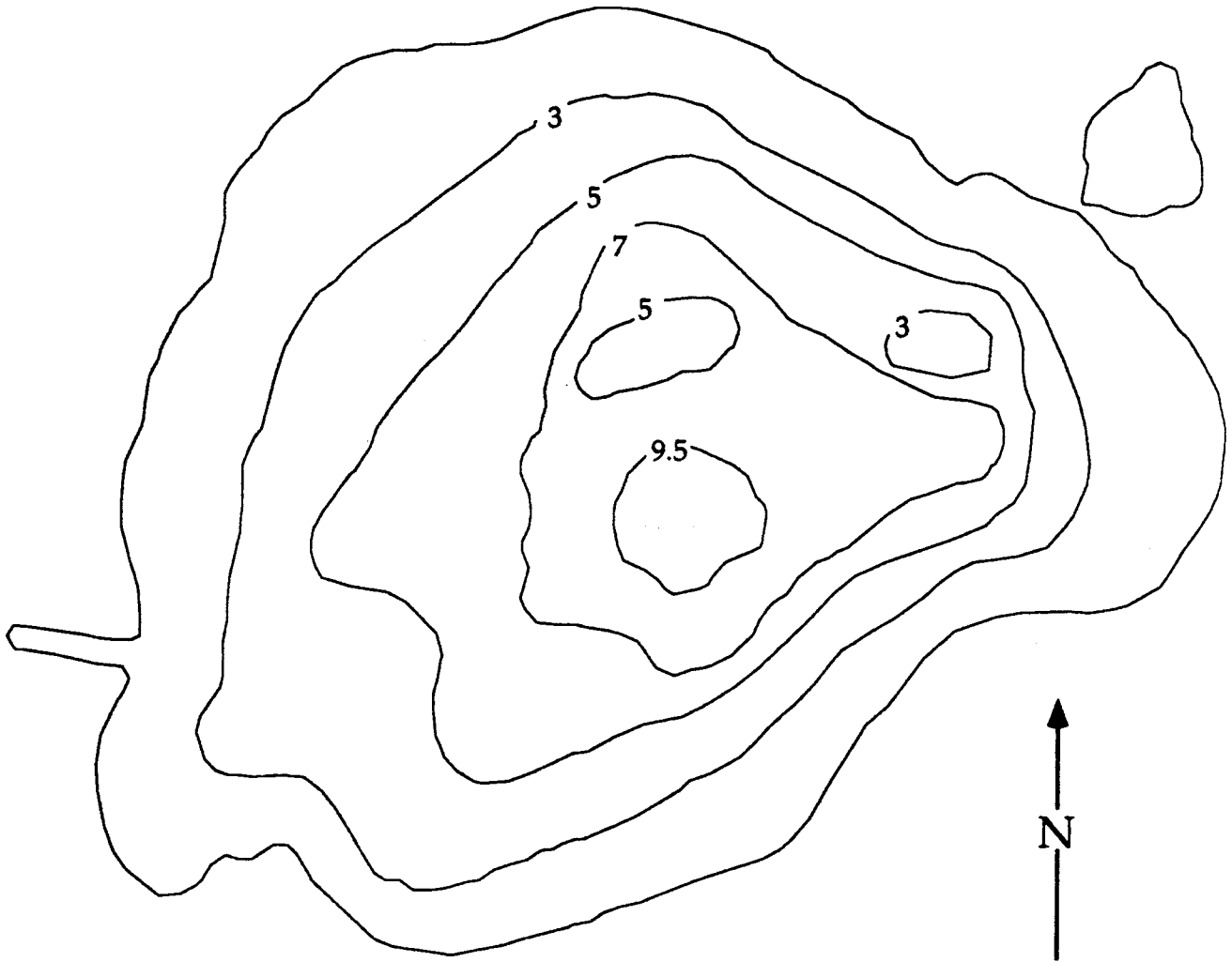
## Fish Species Present in Lake (based on IDOC sampling):

Black Bullhead  
 Black Crappie  
 Bluegill  
 Brown Bullhead  
 Carp  
 Channel Catfish  
 Golden Shiner  
 Green Sunfish X Bluegill  
 Largemouth Bass  
 Northern Pike  
 Pumpkinseed  
 ROCK BASS

Yellow Perch

**Notes and Comments:**

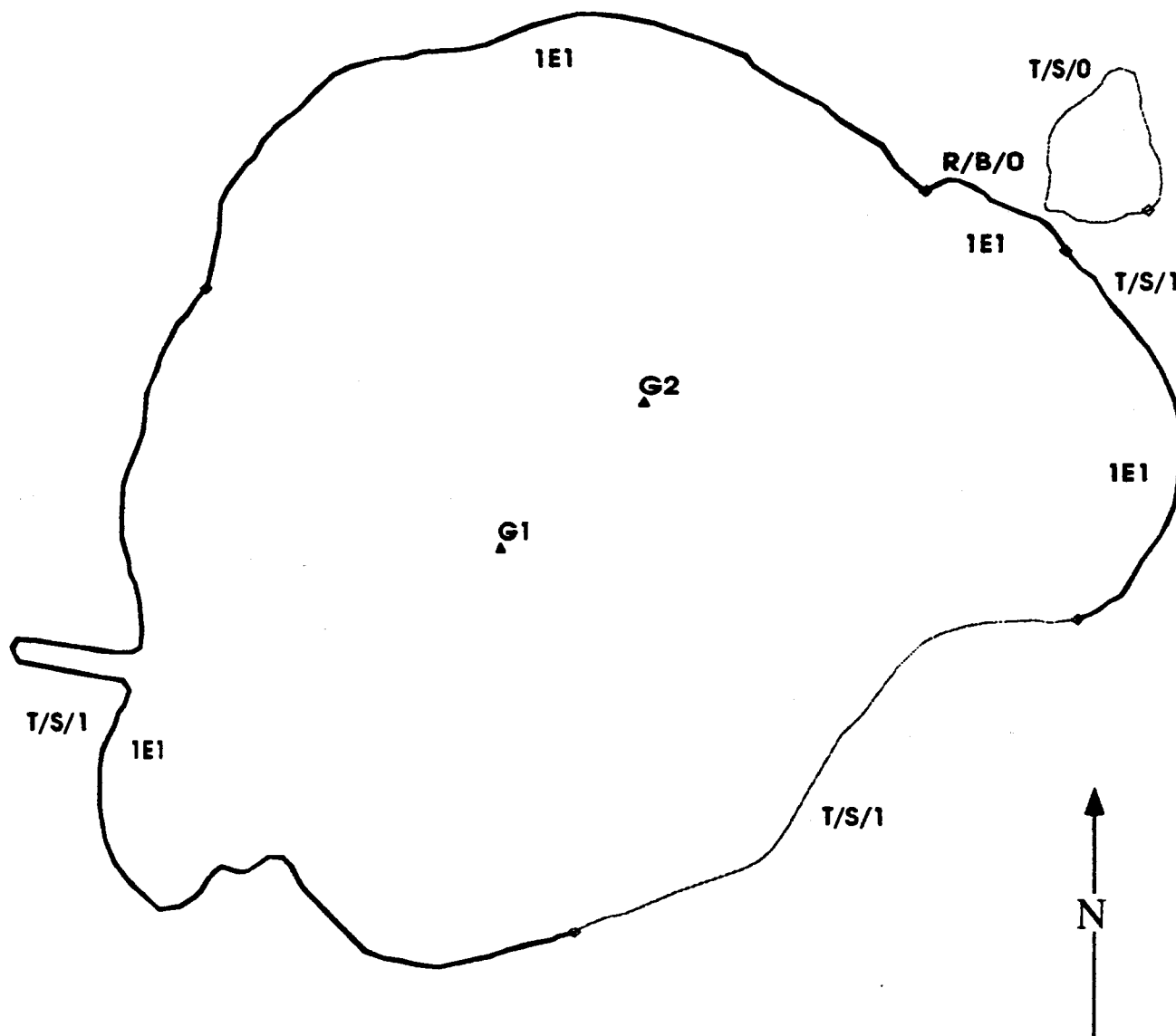
# MC CULLOM LAKE



SCALE  
0 1000ft

Map Source: Illinois Dept. of Conservation  
Mapping Method: Unknown, outline from ASCS  
aerial photo  
Date completed: 6/23/58

# MC CULLOM LAKE



**Habitat Codes** (given as a three character code: **Habitat/Substrate/Hard Cover**)

<b>Habitat:</b>	<b>Substrate:</b>	<b>Hard Cover Rating:</b>
W = Woody debris	M = Mud or silt	0 = 0% woody debris and no docks.
E = Emergent vegetation	C = Clay	1 = 0% woody debris with docks or 1-33% woody debris.
R = Rip rap	S = Sand	2 = 1-33% woody debris with many docks or 34-66% woody debris.
O = Open area	G = Gravel	3 = 34-66% woody debris with many docks or greater than 67% woody debris.
D = Docks	B = Rock or boulder	
T = Retaining wall or dam face	U = Unknown	
U = Unknown		

Information compiled by the Illinois Natural History Survey, completed 10/29/86

# MILL CREEK LAKE

County: CLARK  
 Latitude: 392425  
 Longitude: 874742

Township: T11N  
 Range: R13W  
 Section: 13

IDOC Region: 3  
 IDOC District: 9  
 IDOC Lake Number: 116  
 Storet Code: RB-B01-W  
 IDOC Lake Class: PU  
 Lake Origin: AA  
 Natural Division:

Surface Area (ha): 304.5  
 Surface Area (acres): 730.9  
 Mean Depth (m): 6.614  
 Maximum Depth (m): 18.29  
 Shore Length (km): 72.39  
 Shoreline Dev. Index: 11.7

Year Constructed: 1980

USGS 7.5' Quad: CLARKSVILLE  
 Major River Basin: WABASH  
 Inflowing Stream: MILL CR/BRUSHY BR/SNAKEDON BR  
 Outflowing Stream: MILL CR>WABASH R>OHIO R

**Typical Water Chemistry:**

Secchi Disk Depth (cm): 187  
 Conductivity (umhos): 242  
 Total Alkalinity (mg/l): 101  
 pH: 8.1

Watershed Area (ha): 4915  
 Storage Cap. (1000 m<sup>3</sup>): 20144.26  
 Retention Time (yrs): 1.5  
 Volume Dev. Index: 1.08

Maximum Length (km): 3.95  
 Maximum Width (km): 5.85  
 Inshore Mean Depth (m): 4.25  
 Pool Elevation (m msl): 185.6

**Climatic Information:**

Growing Season (days): 166  
 Growing Deg. Days (50°F base): 2710

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
D/C/1	6	
E/C/1	77	12
E/C/2	17	
R/B/0	1	1

**Fish Species Present in Lake (based on IDOC sampling):**

Black Bullhead	Longear Sunfish
Black Crappie	Orangespotted Sunfish
Blackstripe Topminnow	Redear Sunfish
Bluegill	Redear X Green Sunfish
Bluegill X Redear	Striped Shiner
Channel Catfish	Walleye
Gizzard Shad	White Crappie
Golden Shiner	White Sucker
Grass Carp	Yellow Bullhead
Green Sunfish	
Green Sunfish X Bluegill	
Largemouth Bass	



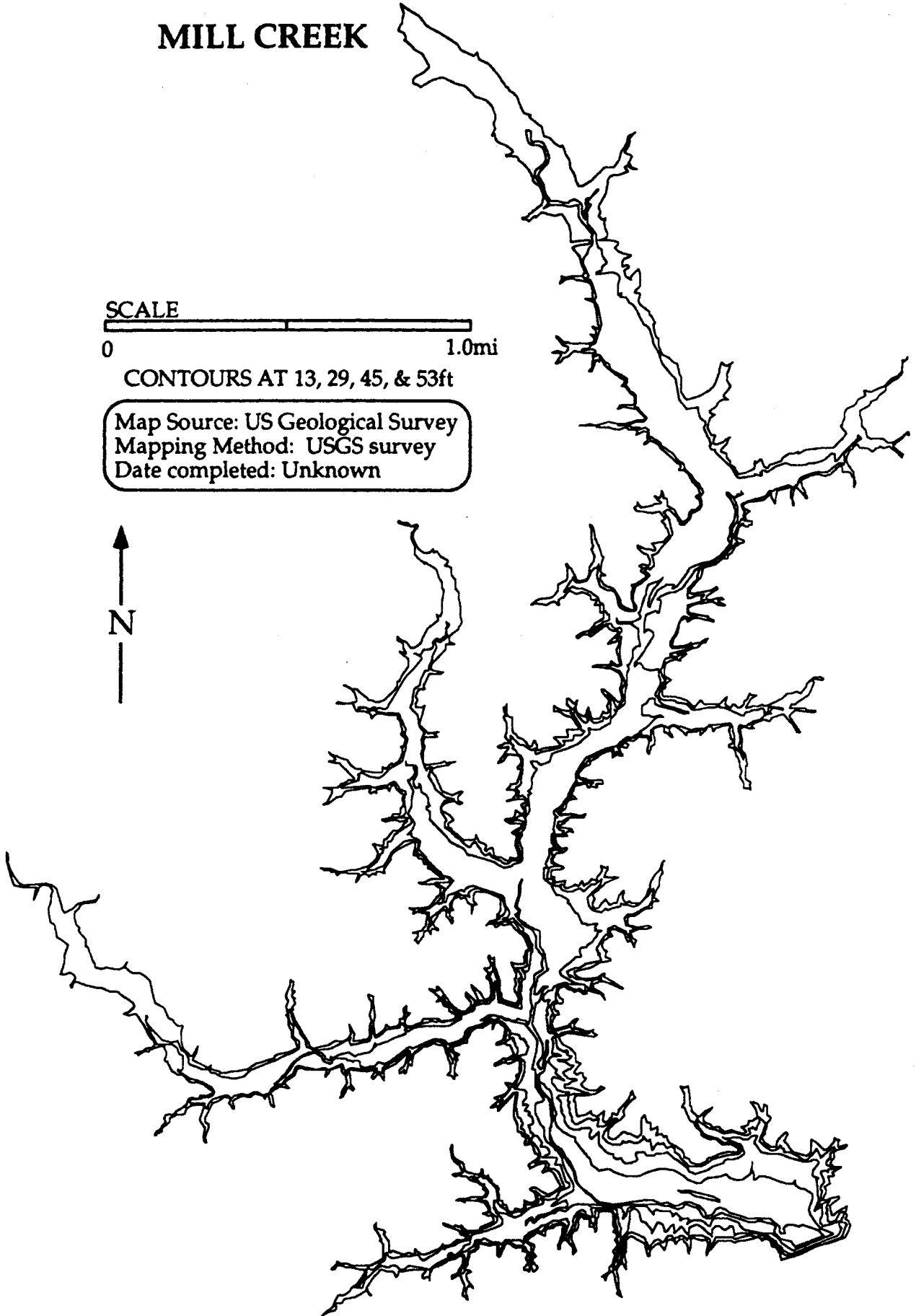
**Notes and Comments:**

# MILL CREEK

SCALE  
0 1.0mi

CONTOURS AT 13, 29, 45, & 53ft

Map Source: US Geological Survey  
Mapping Method: USGS survey  
Date completed: Unknown



# MILL CREEK

## Habitat Codes

### Habitat/Substrate/Hard Cover

#### Habitat:

- W = Woody debris
- E = Emergent vegetation
- R = Rip rap
- O = Open area
- D = Docks
- T = Retaining wall or dam face
- U = Unknown

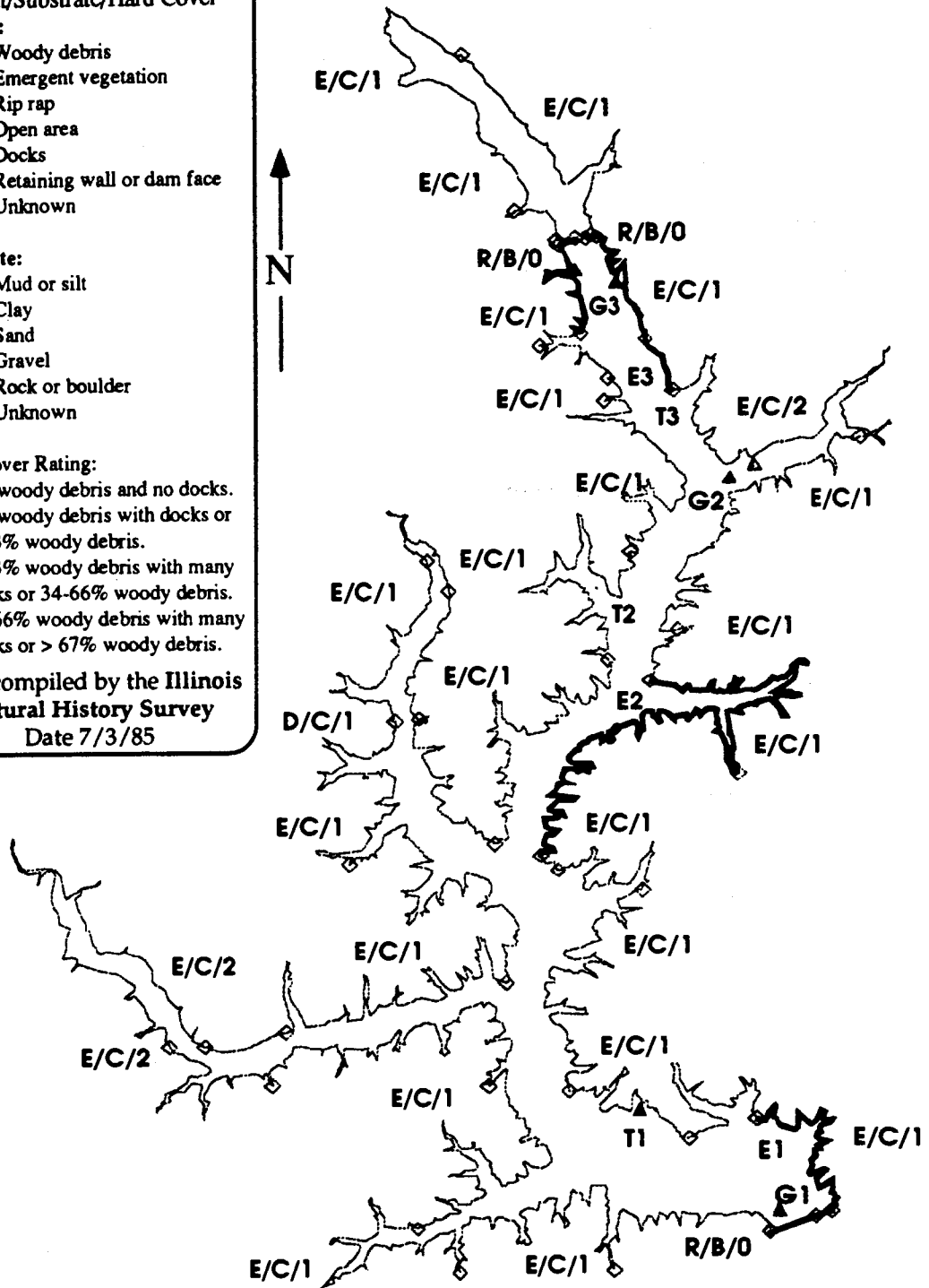
#### Substrate:

- M = Mud or silt
- C = Clay
- S = Sand
- G = Gravel
- B = Rock or boulder
- U = Unknown

#### Hard Cover Rating:

- 0 = 0% woody debris and no docks.
- 1 = 0% woody debris with docks or 1-33% woody debris.
- 2 = 1-33% woody debris with many docks or 34-66% woody debris.
- 3 = 34-66% woody debris with many docks or > 67% woody debris.

Data compiled by the Illinois  
Natural History Survey  
Date 7/3/85



# LAKE MILLIKEN

County: WILL  
 Latitude: 402006  
 Longitude: 881100

Township: T33N  
 Range: R9E  
 Section: 15,22

IDOC Region: 2  
 IDOC District: 7  
 IDOC Lake Number: 57  
 Storet Code:  
 IDOC Lake Class: ST  
 Lake Origin: AD  
 Natural Division: 4A

Surface Area (ha): 10.4  
 Surface Area (acres): 25.0  
 Mean Depth (m): 41  
 Maximum Depth (m): 2.44  
 Shore Length (km): 2.4  
 Shoreline Dev. Index: 2.1

Year Constructed:

USGS 7.5' Quad: WILMINGTON  
 Major River Basin: KANKAKEE  
 Inflowing Stream: NONE  
 Outflowing Stream: NONE

**Typical Water Chemistry:**

Secchi Disk Depth (cm): 61  
 Conductivity (umhos): 495  
 Total Alkalinity (mg/l): 200  
 pH: 8.5

Watershed Area (ha): 48  
 Storage Cap. (1000 m<sup>3</sup>): 43.18  
 Retention Time (yrs): 0.5  
 Volume Dev. Index: 0.51

Maximum Length (km): 1.03  
 Maximum Width (km): 0.4  
 Inshore Mean Depth (m): 0.31  
 Pool Elevation (m msl): 161.5

**Climatic Information:**

Growing Season (days): 179  
 Growing Deg. Days (50°F base): 3355

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

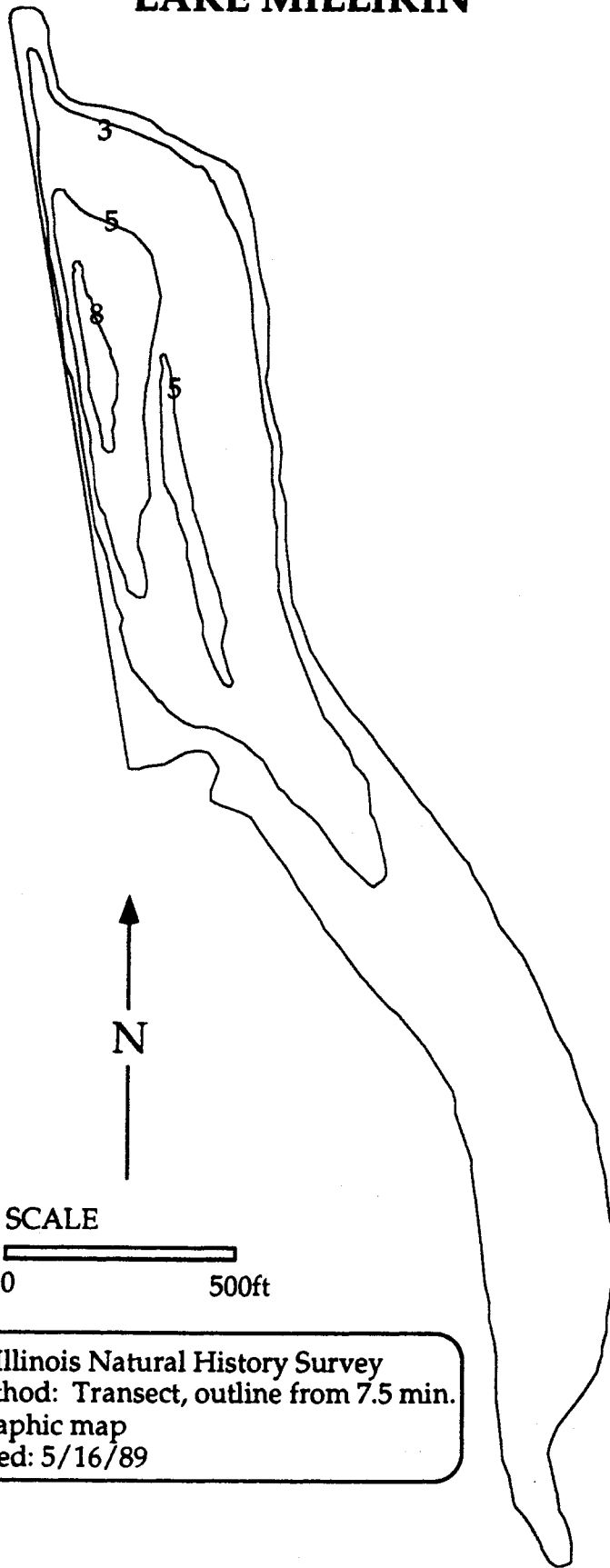
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
R/B/0	30	30
W/U/1	70	70

**Fish Species Present in Lake (based on IDOC sampling):**

Black Bullhead  
 Black Crappie  
 Bluegill  
 Brook Silverside  
 Carp  
 Emerald Shiner  
 Gizzard Shad  
 Green Sunfish  
 Largemouth Bass  
 Pumpkinseed  
 Redear Sunfish  
 Smallmouth Bass  
 White Crappie

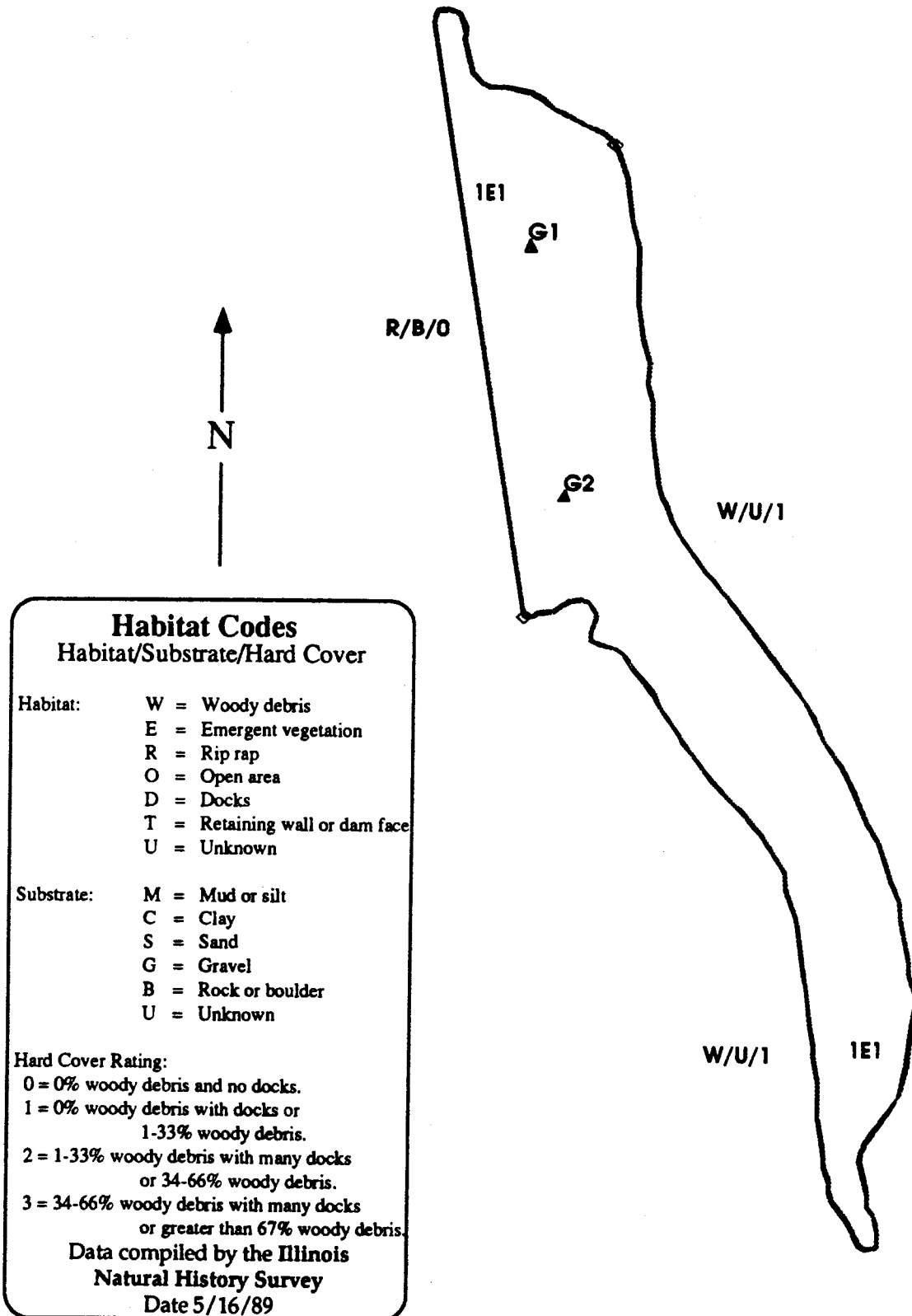
## Notes and Comments:

# LAKE MILLIKIN



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from 7.5 min.  
USGS topographic map  
Date completed: 5/16/89

# LAKE MILLIKIN



# LAKE MINGO

County: VERMILLION  
 Latitude: 401227  
 Longitude: 874359

Township: T20N  
 Range: R12W  
 Section: 9

IDOC Region: 3  
 IDOC District: 8  
 IDOC Lake Number: 170  
 Storet Code: RB-A03-N  
 IDOC Lake Class:  
 Lake Origin: AA  
 Natural Division:

Surface Area (ha): 71.7  
 Surface Area (acres): 172.2  
 Mean Depth (m): 3.68  
 Maximum Depth (m): 10.06  
 Shore Length (km): 15.12  
 Shoreline Dev. Index: 5.03

Year Constructed: 1979

USGS 7.5' Quad: DANVILLE NW  
 Major River Basin: WABASH  
 Inflowing Stream: WINDFALL CR/WINDFALL L  
 Outflowing Stream: WINDFALL CR>MID FK>VERMILLION

Watershed Area (ha): 4626  
 Storage Cap. (1000 m<sup>3</sup>): 2642.54  
 Retention Time (yrs): 0.2  
 Volume Dev. Index: 1.09

Typical Water Chemistry:  
 Secchi Disk Depth (cm): 137  
 Conductivity (umhos): 338  
 Total Alkalinity (mg/l): 230  
 pH: 8.5

Maximum Length (km): 1.68  
 Maximum Width (km): 2.04  
 Inshore Mean Depth (m): 2.25  
 Pool Elevation (m msl): 198.1

Climatic Information:  
 Growing Season (days): 166  
 Growing Deg. Days (50°F base): 3456

## Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
D/S/1	1	
R/B/0	2	2
W/C/1	7	2
W/S/1	1	
W/M/2	15	10
W/M/3	52	
W/C/3	13	
W/G/1	9	5

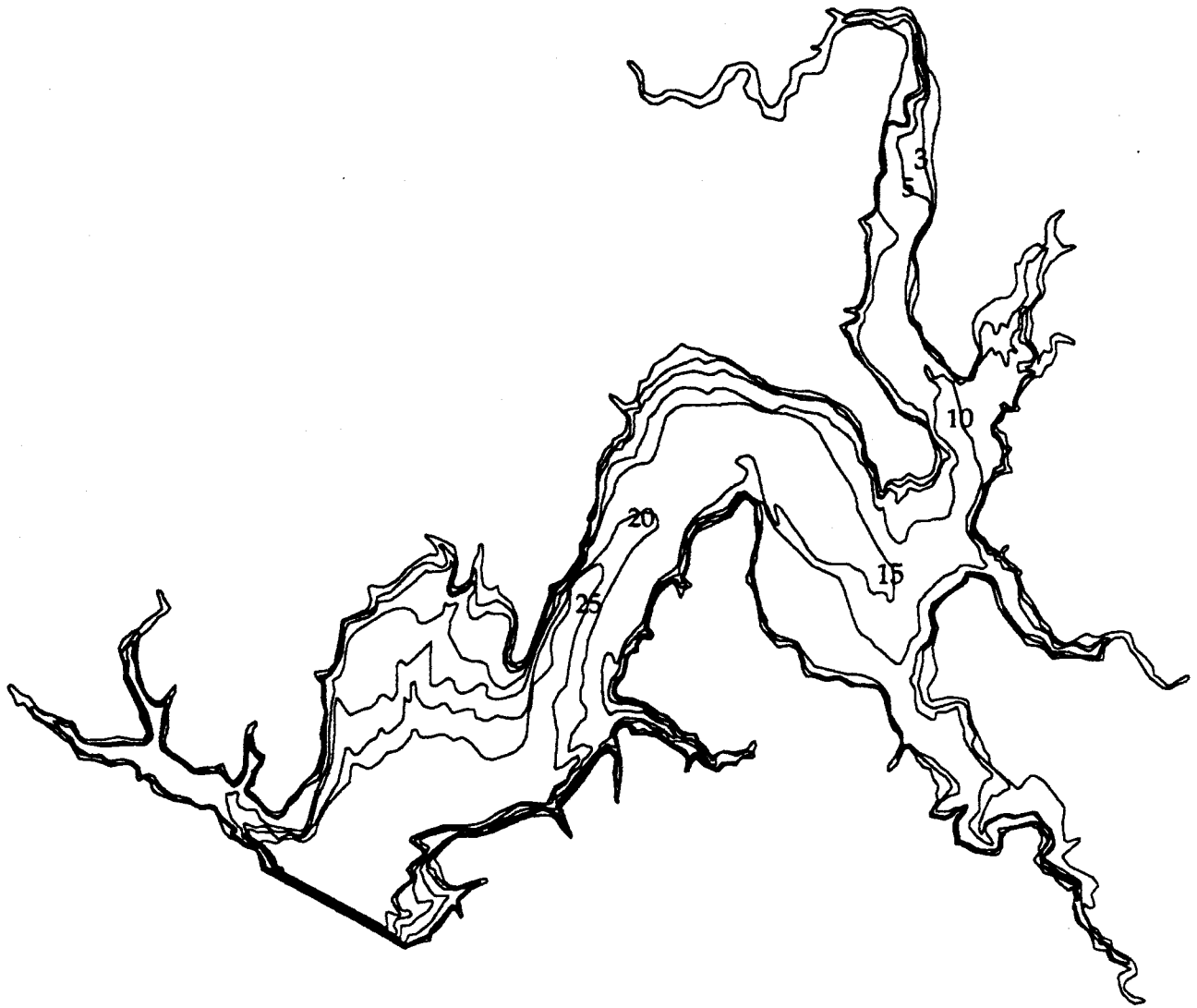
## Fish Species Present in Lake (based on IDOC sampling):

Black Crappie	Redear Sunfish
Bluegill	Walleye
Bluegill X Redear	White Crappie
Channel Catfish	White Sucker
Gizzard Shad	
Golden Shiner	
Green Sunfish	
Green Sunfish X Bluegill	
Largemouth Bass	

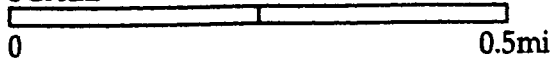


**Notes and Comments:**

# LAKE MINGO

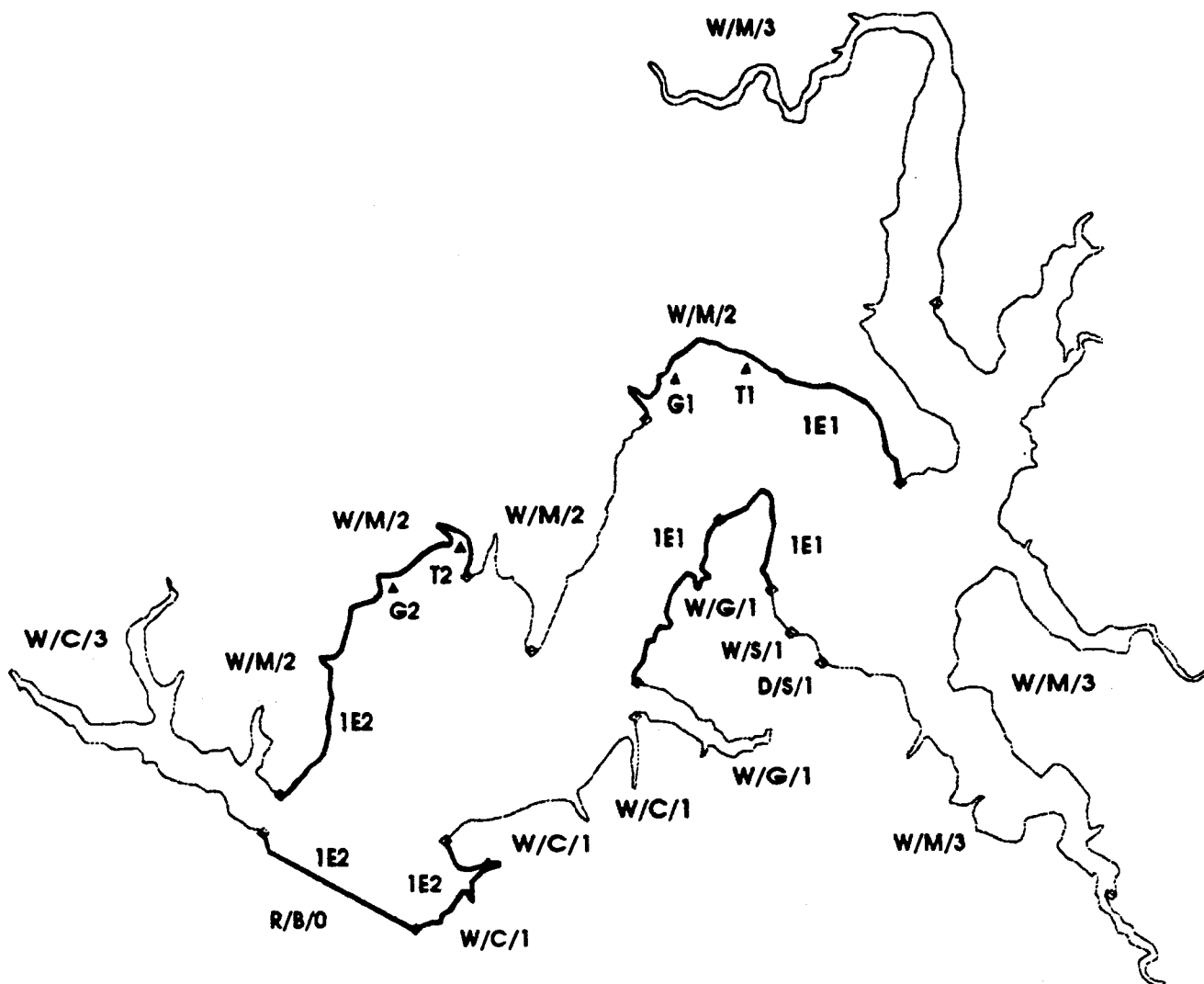


SCALE



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from ASCS  
aerial photo  
Date completed: 4/8/87

# LAKE MINGO



**Habitat Codes** (given as a three character code: **Habitat/Substrate/Hard Cover**)

<b>Habitat:</b>	<b>Substrate:</b>	<b>Hard Cover Rating:</b>
W = Woody debris	M = Mud or silt	0 = 0% woody debris and no docks.
E = Emergent vegetation	C = Clay	1 = 0% woody debris with docks or 1-33% woody debris.
R = Rip rap	S = Sand	2 = 1-33% woody debris with many docks or 34-66% woody debris.
O = Open area	G = Gravel	3 = 34-66% woody debris with many docks or greater than 67% woody debris.
D = Docks	B = Rock or boulder	
T = Retaining wall or dam face	U = Unknown	
U = Unknown		

Information compiled by the Illinois Natural History Survey, completed 10/29/86

# MONEE RESERVOIR

County: WILL  
Latitude: 412330  
Longitude: 874539

Township: T34N  
Range: R13E  
Section: 32

IDOC Region: 2  
IDOC District: 7  
IDOC Lake Number: 61  
STORET Code:  
IDOC Lake Class: PU  
Lake Origin:  
Natural Division: 3A

Surface Area (ha): 17.7  
Surface Area (acres): 42.5  
Mean Depth (m): 2.777  
Maximum Depth (m): 8.23  
Shore Length (km): 3.175  
Shoreline Dev. Index: 2.12

Year Constructed:

USGS 7.5' Quad: FRANKFURT  
Major River Basin: KANKAKEE  
Inflowing Stream: NONE  
Outflowing Stream: NO NAME>ROCK CR>KANK R

#### Typical Water Chemistry:

Secchi Disk Depth (cm): 29  
Conductivity (umhos): 491  
Total Alkalinity (mg/l): 119  
pH:

Watershed Area (ha): 363  
Storage Cap. (1000 m<sup>3</sup>): 492.21  
Retention Time (yrs): 0.6  
Volume Dev. Index: 1.01

Maximum Length (km): 0.525  
Maximum Width (km): 0.805  
Inshore Mean Depth (m): 2.82  
Pool Elevation (m msl): 228.6

#### Climatic Information:

Growing Season (days): 165  
Growing Deg. Days (50°F base): 2996

#### Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

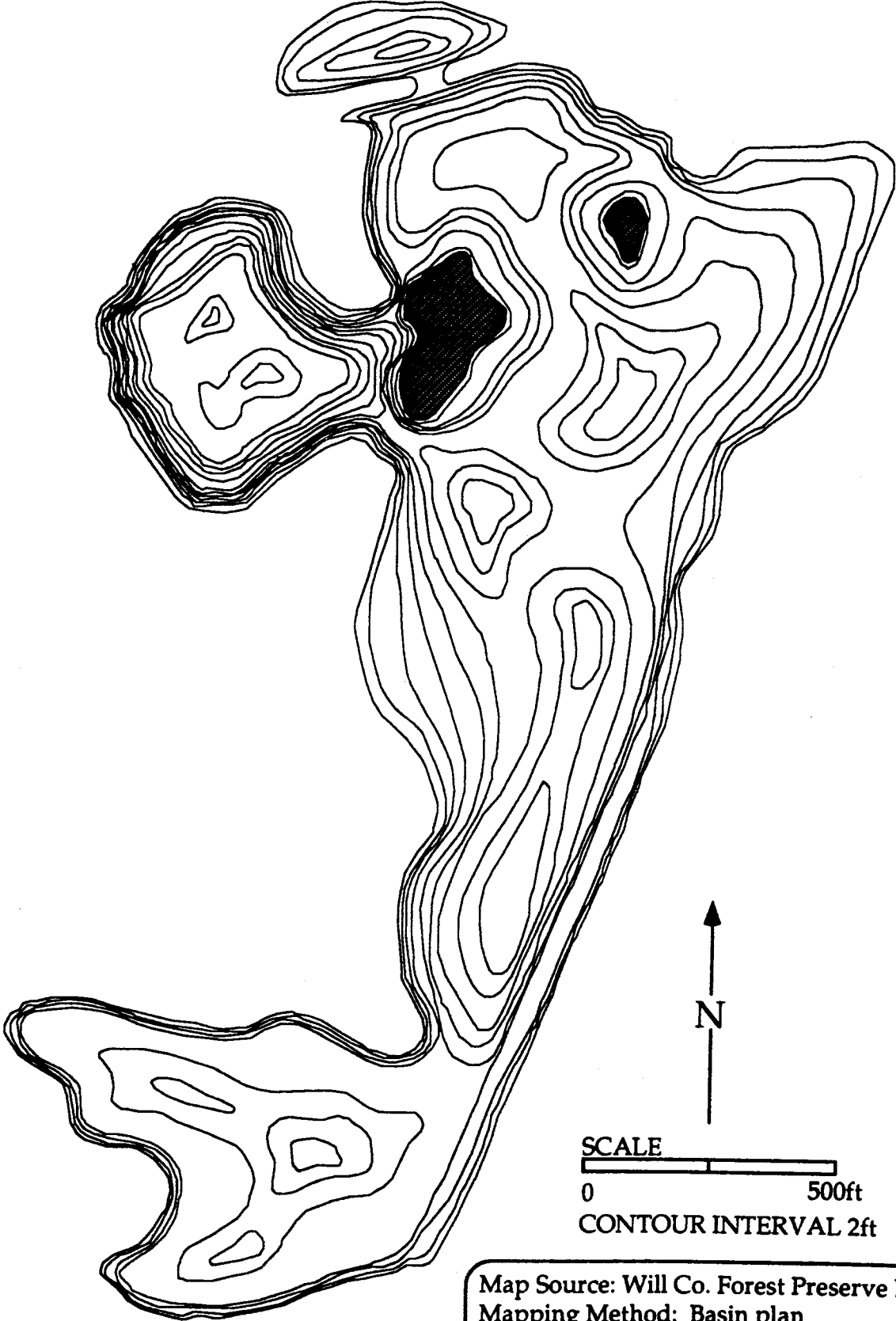
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
--------------	-------------------------------	---

N/A

#### Fish Species Present in Lake (based on IDOC sampling):

Black Bullhead  
Black Crappie  
Bluegill  
Carp  
Channel Catfish  
Golden Shiner  
Green Sunfish  
Largemouth Bass  
Northern Pike  
Warmouth  
White Crappie  
Yellow Bullhead

# MONEE RESERVOIR



SCALE  
0 500ft  
CONTOUR INTERVAL 2ft

Map Source: Will Co. Forest Preserve Dist.  
Mapping Method: Basin plan  
Date completed: 1991

# OAKLAND CITY LAKE

County: COLES  
 Latitude: 393947  
 Longitude: 880113

Township: T14N  
 Range: R11E  
 Section: 18

Year Constructed: 1938

USGS 7.5' Quad: OAKLAND  
 Major River Basin: WABASH  
 Inflowing Stream: HOG BR  
 Outflowing Stream: SAME>EMB>WABASH R>OHIO R

**Typical Water Chemistry:**

Secchi Disk Depth (cm): 52  
 Conductivity (umhos): 390  
 Total Alkalinity (mg/l): 234  
 pH: 8.5

IDOC Region: 3  
 IDOC District: 9  
 IDOC Lake Number: 117  
 Storet Code: RB-A05-P  
 IDOC Lake Class: PU  
 Lake Origin: AD  
 Natural Division: 4A

Surface Area (ha): 12.2  
 Surface Area (acres): 29.3  
 Mean Depth (m): 1.07  
 Maximum Depth (m): 2.44  
 Shore Length (km): 2.69  
 Shoreline Dev. Index: 2.16

Watershed Area (ha): 3706  
 Storage Cap. (1000 m<sup>3</sup>): 131.01  
 Retention Time (yrs): 0.1  
 Volume Dev. Index: 1.32

Maximum Length (km): 0.74  
 Maximum Width (km): 0.65  
 Inshore Mean Depth (m): 1.2  
 Pool Elevation (m msl): 193

**Climatic Information:**

Growing Season (days): 182  
 Growing Deg. Days (50°F base): 3546

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

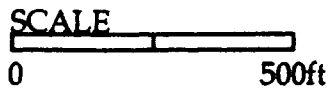
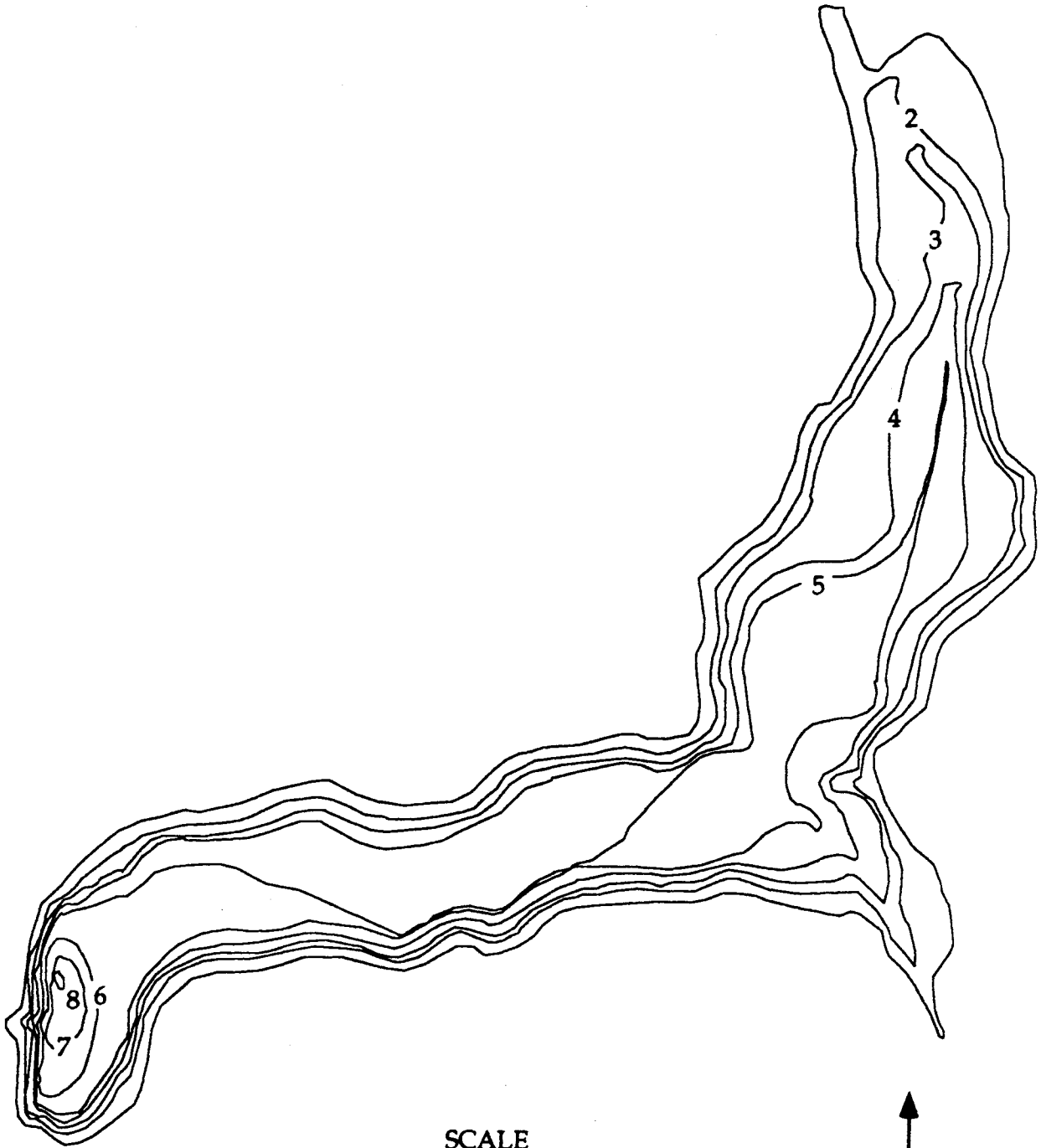
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
D/M/1	17	17
R/B/0	5	5
T/M/1	30	30
W/M/2	49	23

**Fish Species Present in Lake (based on IDOC sampling):**

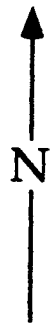
Black Bullhead                      White Crappie  
 Bluegill                                Yellow Bullhead  
 Carp  
 Channel Catfish  
 Gizzard Shad  
 Golden Shiner  
 Goldfish  
 Grass Pickerel  
 Green Sunfish  
 Green Sunfish X Bluegill  
 Largemouth Bass  
 Warmouth

**Notes and Comments:**

# OAKLAND CITY LAKE

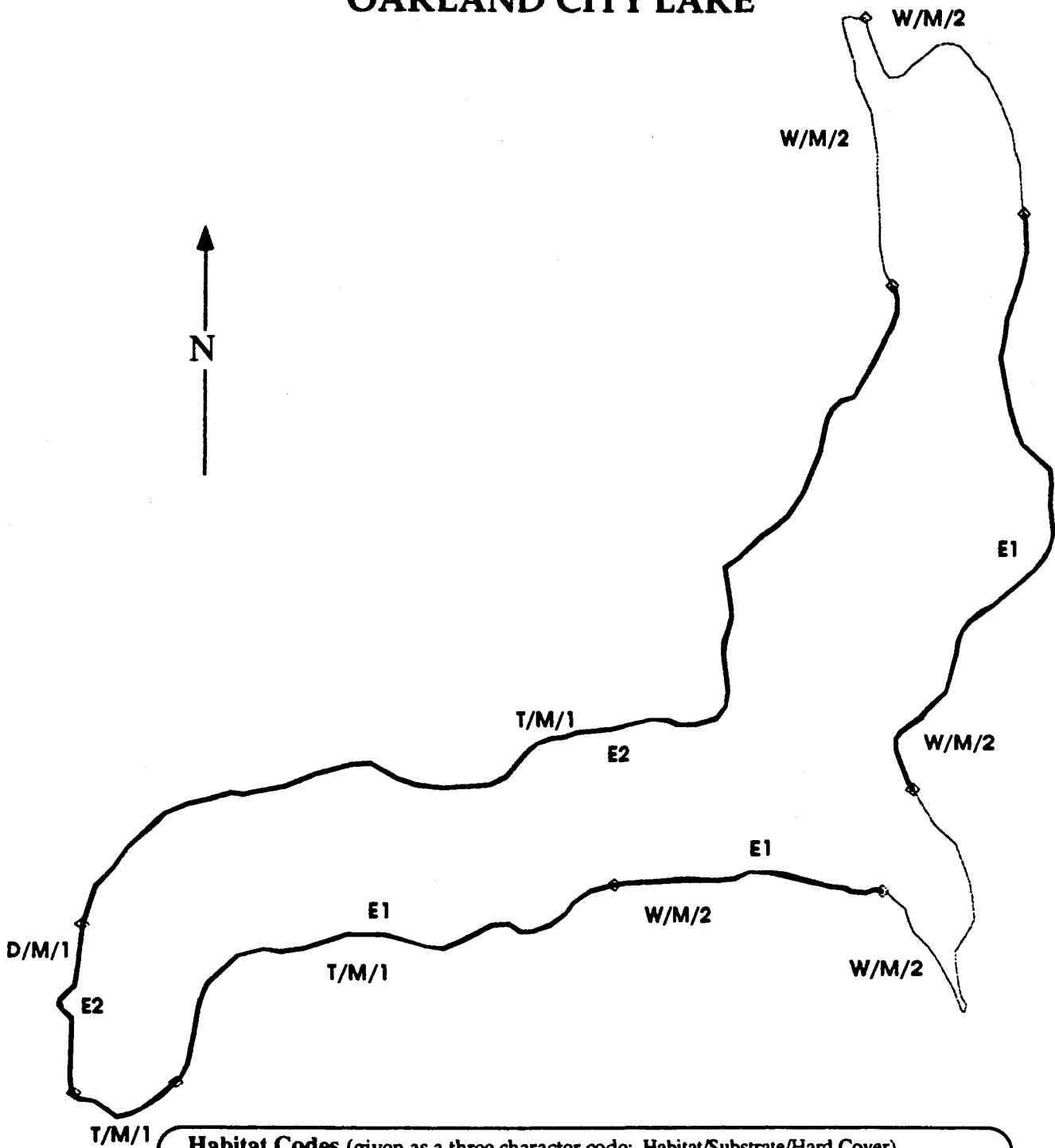


Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from ASCS  
aerial photo  
Date completed: 4/9/87





# OAKLAND CITY LAKE



Habitat Codes (given as a three character code: Habitat/Substrate/Hard Cover)		
<b>Habitat:</b>	<b>Substrate:</b>	<b>Hard Cover Rating:</b>
W = Woody debris	M = Mud or silt	0 = 0% woody debris and no docks.
E = Emergent vegetation	C = Clay	1 = 0% woody debris with docks or 1-33% woody debris.
R = Rip rap	S = Sand	2 = 1-33% woody debris with many docks or 34-66% woody debris.
O = Open area	G = Gravel	3 = 34-66% woody debris with many docks or greater than 67% woody debris.
D = Docks	B = Rock or boulder	
T = Retaining wall or dam face	U = Unknown	
U = Unknown		

Information compiled by the Illinois Natural History Survey, completed 4/9/87

# PANA LAKE

County: CHRIST/SHELBY  
 Latitude: 392155  
 Longitude: 890116

Township: T11N  
 Range: R2E  
 Section: 30

IDOC Region: 3  
 IDOC District: 9  
 IDOC Lake Number: 155  
 Storet Code: RO-B03-F  
 IDOC Lake Class: PU  
 Lake Origin: AA  
 Natural Division: 9A

Surface Area (ha): 85.4  
 Surface Area (acres): 205.0  
 Mean Depth (m): 4.173  
 Maximum Depth (m): 10.973  
 Shore Length (km): 18.464  
 Shoreline Dev. Index: 5.63

Year Constructed: 1952

USGS 7.5' Quad: PANA OR OCONEE  
 Major River Basin: KASKASKIA  
 Inflowing Stream: INT  
 Outflowing Stream: BECKS CR>KASK R

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 69  
 Conductivity (umhos): 271  
 Total Alkalinity (mg/l): 86  
 pH: 8.9

Watershed Area (ha): 3756  
 Storage Cap. (1000 m<sup>3</sup>): 3564.91  
 Retention Time (yrs): 0.1  
 Volume Dev. Index: 1.14

Maximum Length (km): 1.809  
 Maximum Width (km): 2.543  
 Inshore Mean Depth (m): 3.6  
 Pool Elevation (m msl): 195.4

**Climatic Information:**  
 Growing Season (days): 192  
 Growing Deg. Days (50°F base): 3698

## Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

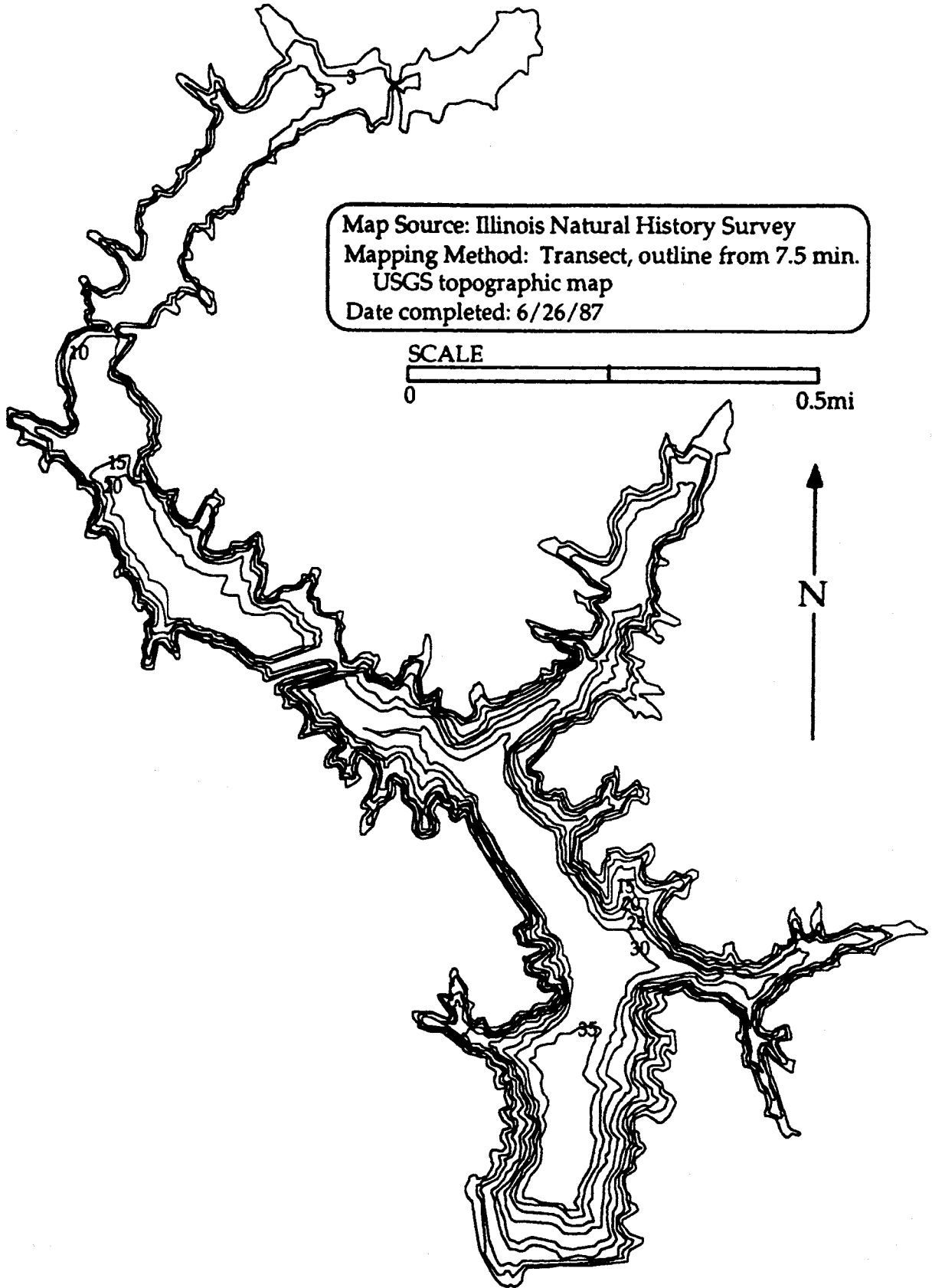
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
R/B/0	8	5
R/C/1	7	7
W/C/1	58	21
W/M/2	20	
W/S/2	7	7

## Fish Species Present in Lake (based on IDOC sampling):

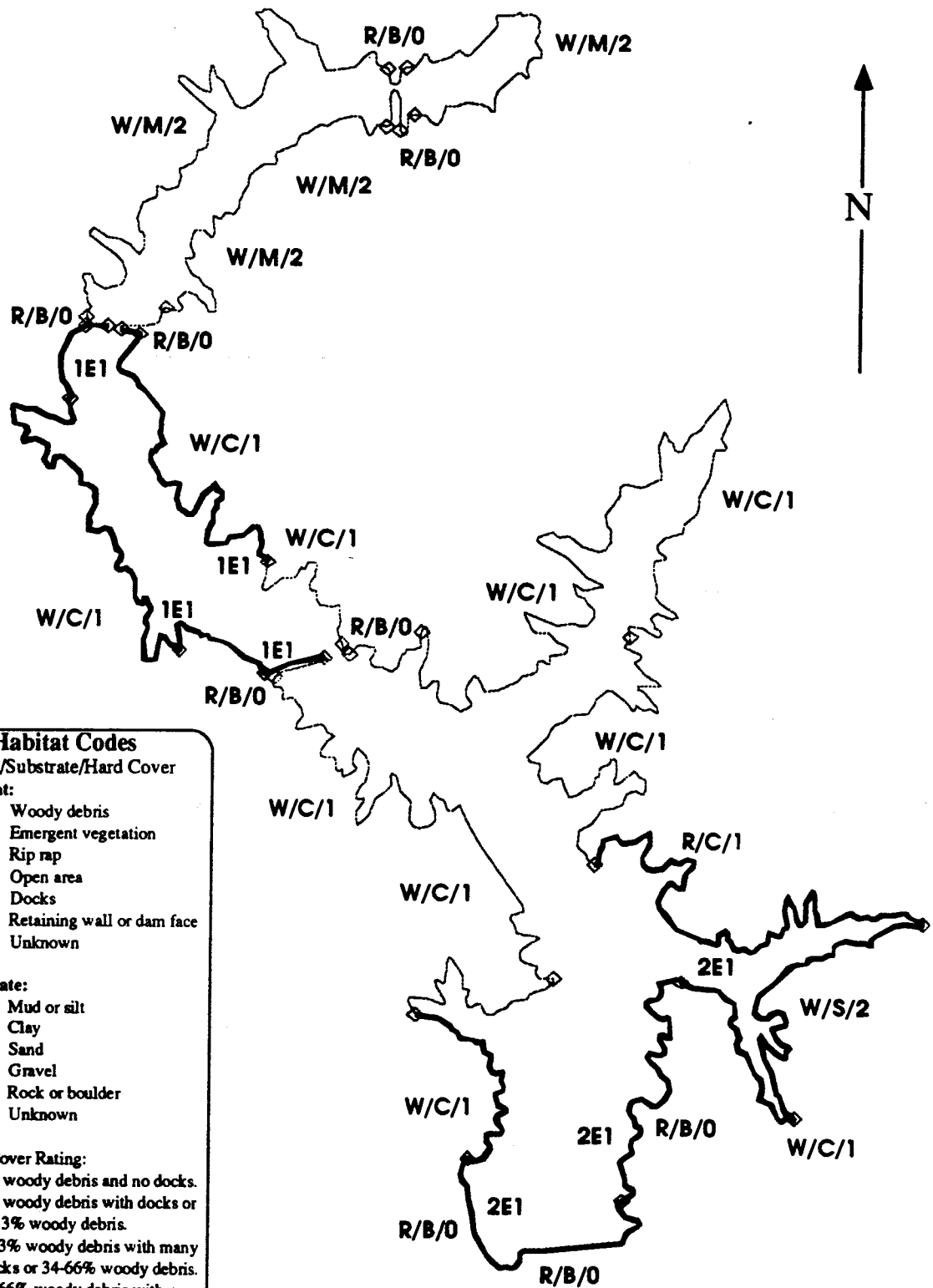
Black Bullhead	Longear Sunfish
Black Crappie	Orangespotted Sunfish
Blackstripe Topminnow	Redear Sunfish
Bluegill	Tiger Muskellunge
Carp	Warmouth
Channel Catfish	White Crappie
Freshwater Drum	Yellow Bullhead
Gizzard Shad	
Golden Shiner	
Green Sunfish	
Green Sunfish X Bluegill	
Largemouth Bass	

**Notes and Comments:**

# PANA LAKE



# PANA LAKE



**Habitat Codes**  
Habitat/Substrate/Hard Cover

**Habitat:**  
W = Woody debris  
E = Emergent vegetation  
R = Rip rap  
O = Open area  
D = Docks  
T = Retaining wall or dam face  
U = Unknown

**Substrate:**  
M = Mud or silt  
C = Clay  
S = Sand  
G = Gravel  
B = Rock or boulder  
U = Unknown

**Hard Cover Rating:**  
0 = 0% woody debris and no docks.  
1 = 0% woody debris with docks or 1-33% woody debris.  
2 = 1-33% woody debris with many docks or 34-66% woody debris.  
3 = 34-66% woody debris with many docks or > 67% woody debris.

Data compiled by the Illinois Natural History Survey  
Date 6/26/87

# LAKE PARADISE

County: COLES  
 Latitude: 392447  
 Longitude: 882627

Township: T11N  
 Range: R7E  
 Section: 4,5,8

IDOC Region: 3  
 IDOC District: 9  
 IDOC Lake Number: 119  
 Storet Code: RC-A09-G  
 IDOC Lake Class: PU  
 Lake Origin: AA  
 Natural Division: 4A

Surface Area (ha): 57.6  
 Surface Area (acres): 138.2  
 Mean Depth (m): 2.59  
 Maximum Depth (m): 4.88  
 Shore Length (km): 6.36  
 Shoreline Dev. Index: 2.36

Year Constructed: 1931

USGS 7.5' Quad: MATTOON W  
 Major River Basin: WABASH  
 Inflowing Stream: LIL WABASH R  
 Outflowing Stream: SAME>MATTOON>LIL WAB>WABASH>OH

Watershed Area (ha): 4686  
 Storage Cap. (1000 m<sup>3</sup>): 1628.36  
 Retention Time (yrs): 0.1  
 Volume Dev. Index: 1.59

Typical Water Chemistry:  
 Secchi Disk Depth (cm): 39  
 Conductivity (umhos): 454  
 Total Alkalinity (mg/l): 152  
 pH: 8.1

Maximum Length (km): 1.34  
 Maximum Width (km): 1.67  
 Inshore Mean Depth (m): 1.5  
 Pool Elevation (m msl): 208.9

Climatic Information:  
 Growing Season (days): 183  
 Growing Deg. Days (50°F base): 3561

## Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
D/C/1	6	6
E/S/0	15	3
E/S/1	5	5
E/C/0	3	2
O/C/0	6	3
O/S/0	1	0
R/B/0	13	13
T/U/0	1	0
W/S/1	2	2
W/C/3	4	4
W/S/2	3	3
W/C/1	39	18
W/C/2	1	1

## Fish Species Present in Lake (based on IDOC sampling):

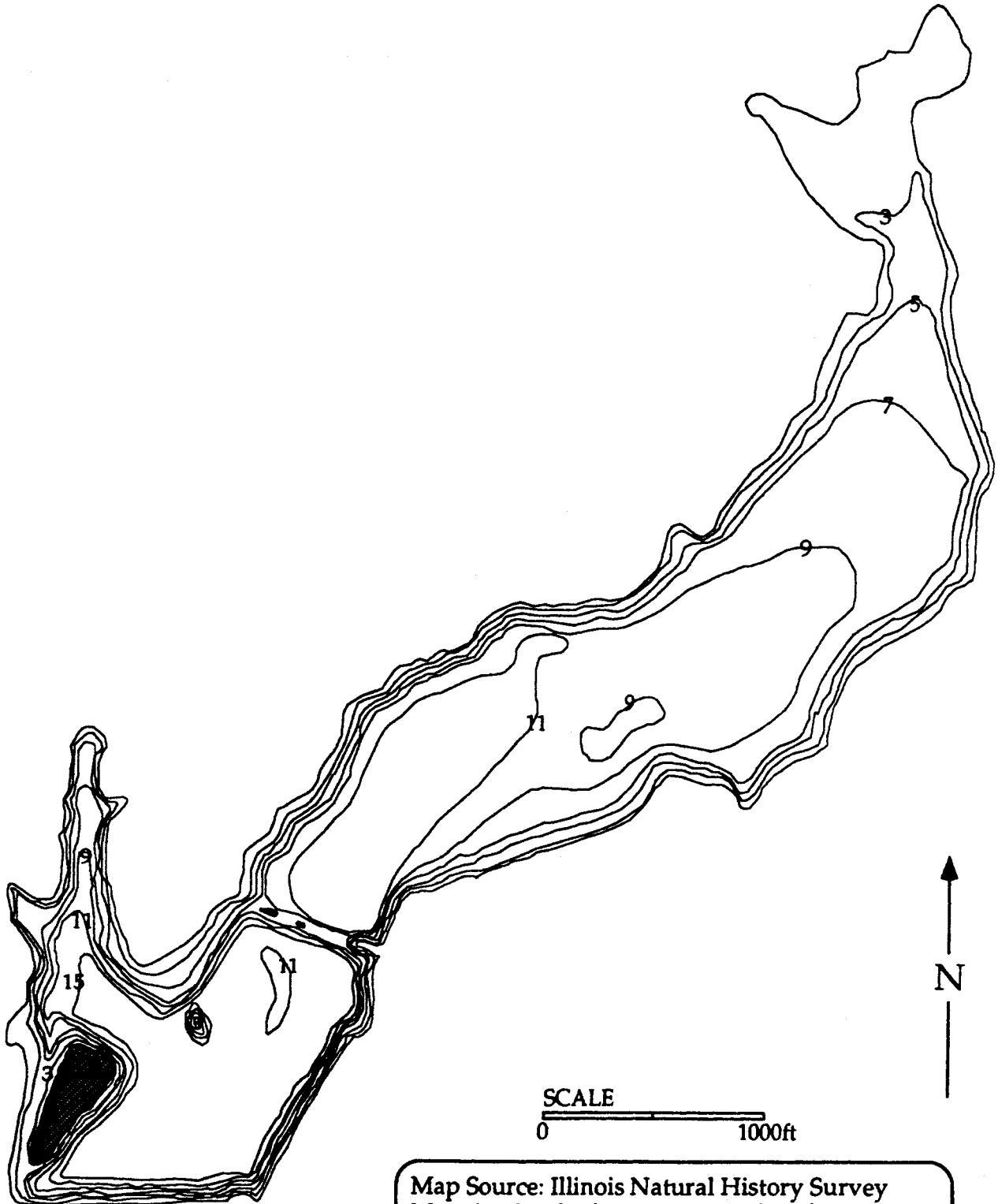
Black Bullhead  
 Bluegill  
 Bluegill X Longear  
 Carp  
 Channel Catfish  
 Flathead Catfish

Freshwater Drum  
 Gizzard Shad  
 Golden Shiner  
 Green Sunfish  
 Largemouth Bass  
 Longear Sunfish

Orangespotted Sunfish  
 Redfin Shiner  
 Tiger Muskellunge  
 Warmouth  
 White Crappie  
 Yellow Bullhead

**Notes and Comments:**

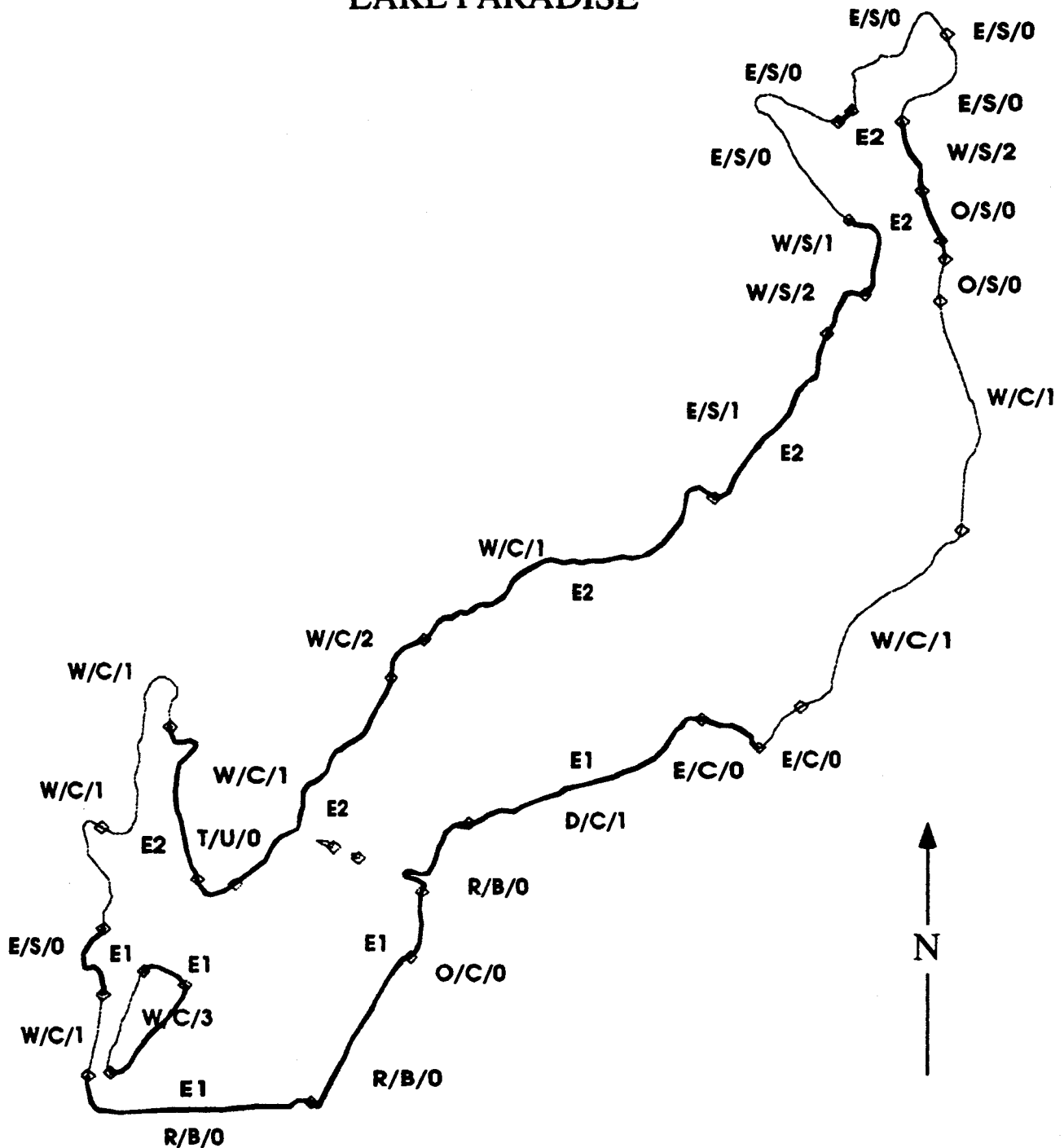
# LAKE PARADISE



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from 7.5min.  
USGS topographic map  
Date completed: 5/22/90



# LAKE PARADISE



**Habitat Codes (given as a three character code: Habitat/Substrate/Hard Cover)**

**Habitat:**

- W = Woody debris
- E = Emergent vegetation
- R = Rip rap
- O = Open area
- D = Docks
- T = Retaining wall or dam face
- U = Unknown

**Substrate:**

- M = Mud or silt
- C = Clay
- S = Sand
- G = Gravel
- B = Rock or boulder
- U = Unknown

**Hard Cover Rating:**

- 0 = 0% woody debris and no docks.
- 1 = 0% woody debris with docks or 1-33% woody debris.
- 2 = 1-33% woody debris with many docks or 34-66% woody debris.
- 3 = 34-66% woody debris with many docks or greater than 67% woody debris.

Information compiled by the Illinois Natural History Survey, completed 10/29/86

# PARIS EAST LAKE

County: EDGAR  
 Latitude: 393753  
 Longitude: 874043

Township: T14N  
 Range: R12W  
 Section: 31,25

IDOC Region: 3  
 IDOC District: 9  
 IDOC Lake Number: 128  
 Storet Code: RB-A04-L  
 IDOC Lake Class: PU  
 Lake Origin: AA  
 Natural Division: 4A

Surface Area (ha): 67.9  
 Surface Area (acres): 163.0  
 Mean Depth (m): 2.55  
 Maximum Depth (m): 6.4  
 Shore Length (km): 12.53  
 Shoreline Dev. Index: 4.28

Year Constructed: 1916

USGS 7.5' Quad: PARIS N  
 Major River Basin: WABASH  
 Inflowing Stream: PARIS W L  
 Outflowing Stream: SUGAR CR>WABASH R>OHIO R

Watershed Area (ha): 5180  
 Storage Cap. (1000 m<sup>3</sup>): 1735.7  
 Retention Time (yrs): 0.2  
 Volume Dev. Index: 1.19

**Typical Water Chemistry:**

Secchi Disk Depth (cm): 46  
 Conductivity (umhos): 350  
 Total Alkalinity (mg/l): 103  
 pH: 8.8

Maximum Length (km): 1.45  
 Maximum Width (km): 1.93  
 Inshore Mean Depth (m): 1.45  
 Pool Elevation (m msl): 201.2

**Climatic Information:**

Growing Season (days): 166  
 Growing Deg. Days (50°F base): 2710

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
E/C/0	2	1
O/S/0	1	
R/B/0	9	2
R/G/0	16	1
R/B/1	1	
W/C/2	4	4
W/C/1	63	7
W/G/1	4	

**Fish Species Present in Lake (based on IDOC sampling):**

Black Bullhead	Longear Sunfish
Black Crappie	White Crappie
Bluegill	White Sucker
Carp	Yellow Bullhead
Channel Catfish	
Flathead Catfish	
Golden Shiner	
Green Sunfish	
Green Sunfish X Bluegill	
Largemouth Bass	

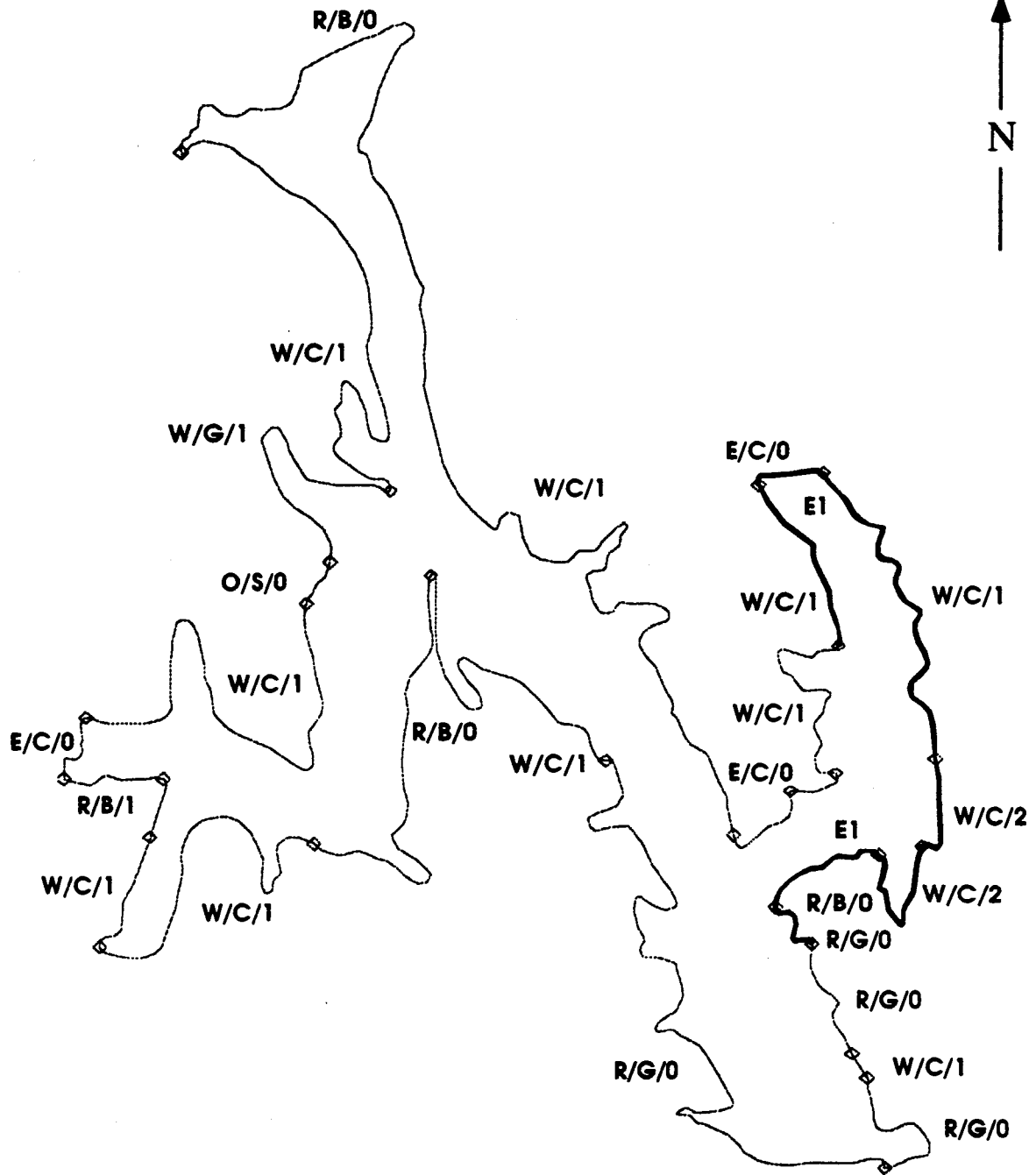
**Notes and Comments:**

# PARIS EAST LAKE



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from 7.5 min.  
USGS topographic map  
Date completed: 1988

# PARIS EAST LAKE



## Habitat Codes (given as a three character code: Habitat/Substrate/Hard Cover)

### Habitat:

W = Woody debris  
 E = Emergent vegetation  
 R = Rip rap  
 O = Open area  
 D = Docks  
 T = Retaining wall or dam face  
 U = Unknown

### Substrate:

M = Mud or silt  
 C = Clay  
 S = Sand  
 G = Gravel  
 B = Rock or boulder  
 U = Unknown

### Hard Cover Rating:

0 = 0% woody debris and no docks.  
 1 = 0% woody debris with docks or 1-33% woody debris.  
 2 = 1-33% woody debris with many docks or 34-66% woody debris.  
 3 = 34-66% woody debris with many docks or greater than 67% woody debris.

Information compiled by the Illinois Natural History Survey, completed 7/19/88

# PARIS WEST LAKE

County: EDGAR  
 Latitude: 393816  
 Longitude: 874155

Township: T14N  
 Range: R12W  
 Section: 30,25

Year Constructed: 1895

USGS 7.5' Quad: PARIS N  
 Major River Basin: WABASH  
 Inflowing Stream: SUGAR CR  
 Outflowing Stream: PARIS E>SUGAR CR>WABASH R>OHIO

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 67  
 Conductivity (umhos): 450  
 Total Alkalinity (mg/l): 101  
 pH: 8.8

IDOC Region: 3  
 IDOC District: 9  
 IDOC Lake Number: 129  
 Storet Code: RB-A04-L  
 IDOC Lake Class: PU  
 Lake Origin: AA  
 Natural Division: 4A

Surface Area (ha): 31.1  
 Surface Area (acres): 74.6  
 Mean Depth (m): 1.2  
 Maximum Depth (m): 2.74  
 Shore Length (km): 7.18  
 Shoreline Dev. Index: 3.63

Watershed Area (ha): 4577  
 Storage Cap. (1000 m<sup>3</sup>): 373.66  
 Retention Time (yrs): 2.0  
 Volume Dev. Index: 1.31

Maximum Length (km): 1.8  
 Maximum Width (km): 1.02  
 Inshore Mean Depth (m): 0.97  
 Pool Elevation (m msl): 201.2

**Climatic Information:**  
 Growing Season (days): 166  
 Growing Deg. Days (50°F base): 2710

## Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

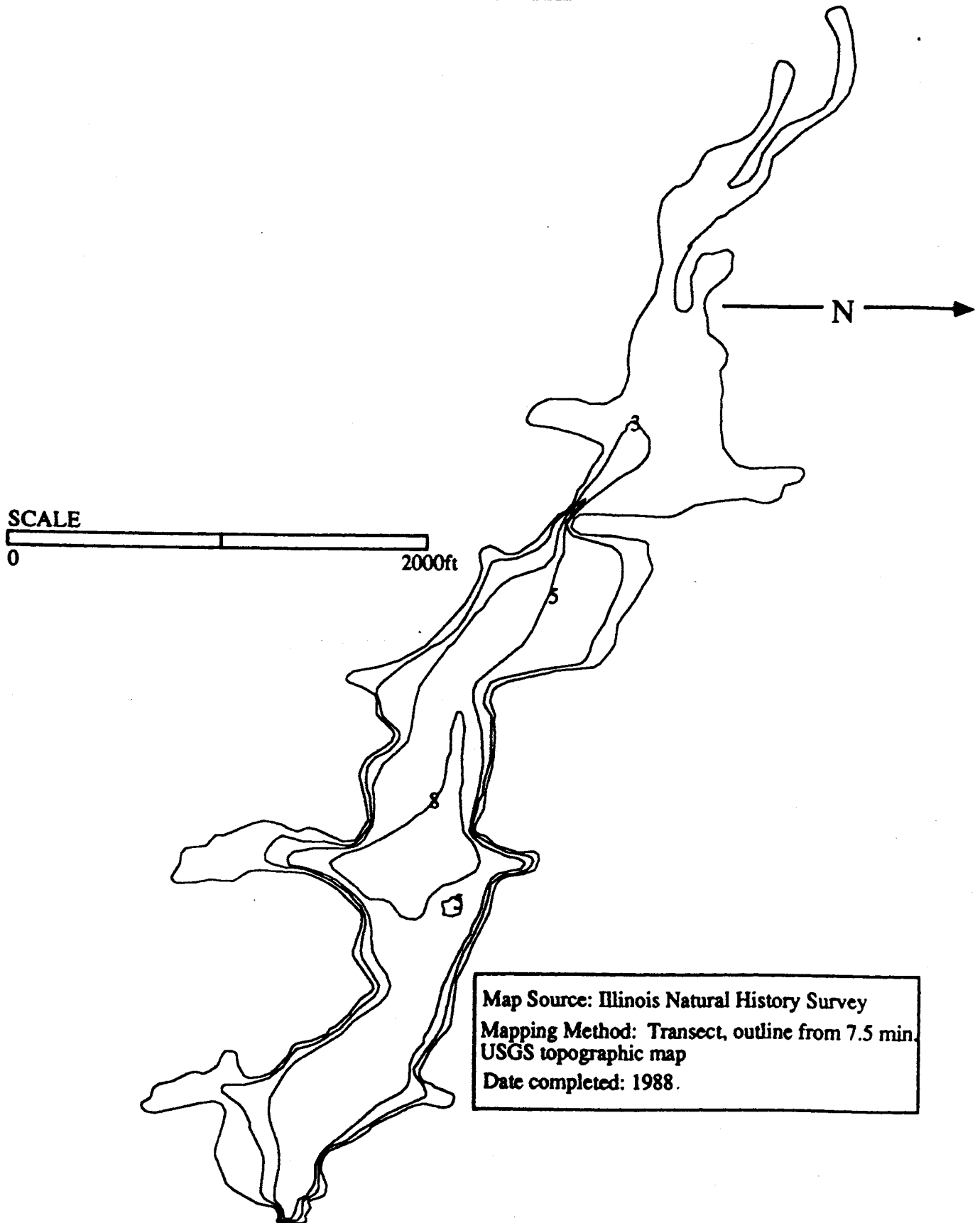
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
D/C/1	34	13
R/B/0	5	5
T/U/0	1	
W/M/3	41	
W/C/1	4	4
W/C/2	14	14

## Fish Species Present in Lake (based on IDOC sampling):

Black Bullhead  
 Bluegill  
 Carp  
 Channel Catfish  
 Golden Shiner  
 Green Sunfish  
 Largemouth Bass  
 Longear Sunfish  
 Orangespotted Sunfish  
 White Crappie  
 White Sucker  
 Yellow Bullhead

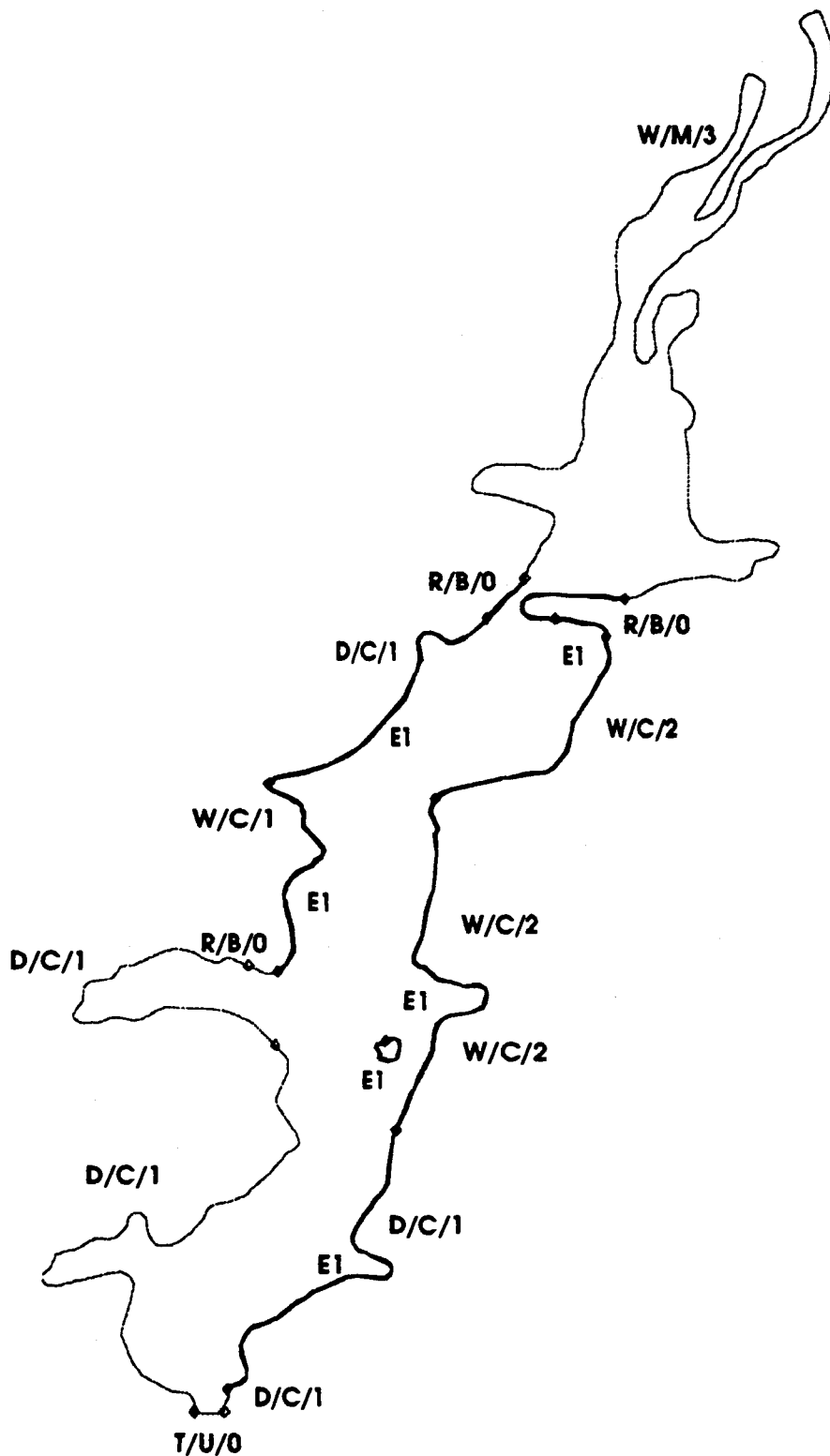
**Notes and Comments:**

# PARIS WEST LAKE





# PARIS WEST LAKE



**Habitat Codes**

Habitat/Substrate/Hard Cover

**Habitat:**

- W = Woody debris
- E = Emergent vegetation
- R = Rip rap
- O = Open area
- D = Docks
- T = Retaining wall or dam face
- U = Unknown

**Substrate:**

- M = Mud or silt
- C = Clay
- S = Sand
- G = Gravel
- B = Rock or boulder
- U = Unknown

**Hard Cover Rating:**

- 0 = 0% woody debris and no docks.
- 1 = 0% woody debris with docks or 1-33% woody debris.
- 2 = 1-33% woody debris with many docks or 34-66% woody debris.
- 3 = 34-66% woody debris with many docks or > 67% woody debris.

Data compiled by the Illinois  
Natural History Survey  
Date 7/19/88

# PETITE LAKE

## (Fox Chain of Lakes)

County: LAKE  
 Latitude: 422545  
 Longitude: 880755

Township: T46N  
 Range: R9E,R10  
 Section: 25,30,36

IDOC Region: 2  
 IDOC District: 6  
 IDOC Lake Number: 4224  
 STORET Code: VT-B01-W  
 IDOC Lake Class:  
 Lake Origin: NG  
 Natural Division: 3A

Surface Area (ha): 97.7  
 Surface Area (acres): 234.5  
 Mean Depth (m): 1.579  
 Maximum Depth (m): 4.877  
 Shore Length (km): 14.848  
 Shoreline Dev. Index: 4.23

Year Constructed: 1939

USGS 7.5' Quad: fox lake/antioch  
 Major River Basin: FOX  
 Inflowing Stream: BLUFF L  
 Outflowing Stream: FOX L>FOX R

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 41  
 Conductivity (umhos): 606  
 Total Alkalinity (mg/l): 286  
 pH: 8.3

Watershed Area (ha): 405  
 Storage Cap. (1000 m<sup>3</sup>): 1544.12  
 Retention Time (yrs): 0.1  
 Volume Dev. Index: 0.97

Maximum Length (km): 1.629  
 Maximum Width (km): 2.946  
 Inshore Mean Depth (m): 1.22  
 Pool Elevation (m msl): 224.9

**Climatic Information:**  
 Growing Season (days): 158  
 Growing Deg. Days (50°F base): 2694

### Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
T/M/1	36	12
U/U/0	2	
W/M/2	62	6

### Fish Species Present in Lake (based on IDOC sampling):

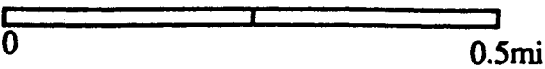
Black Bullhead	Quillback Carpsucker
Black Crappie	Walleye
Bluegill	White Bass
Bowfin	White Crappie
Brown Bullhead	White Sucker
Brook Silverside	Yellow Perch
Carp	Yellow Bass
Channel Catfish	
Green Sunfish	
Largemouth Bass	
Logperch	
Muskellunge	
Northern Pike	
Pumpkinseed	

**Notes and Comments:**

# PETITE LAKE

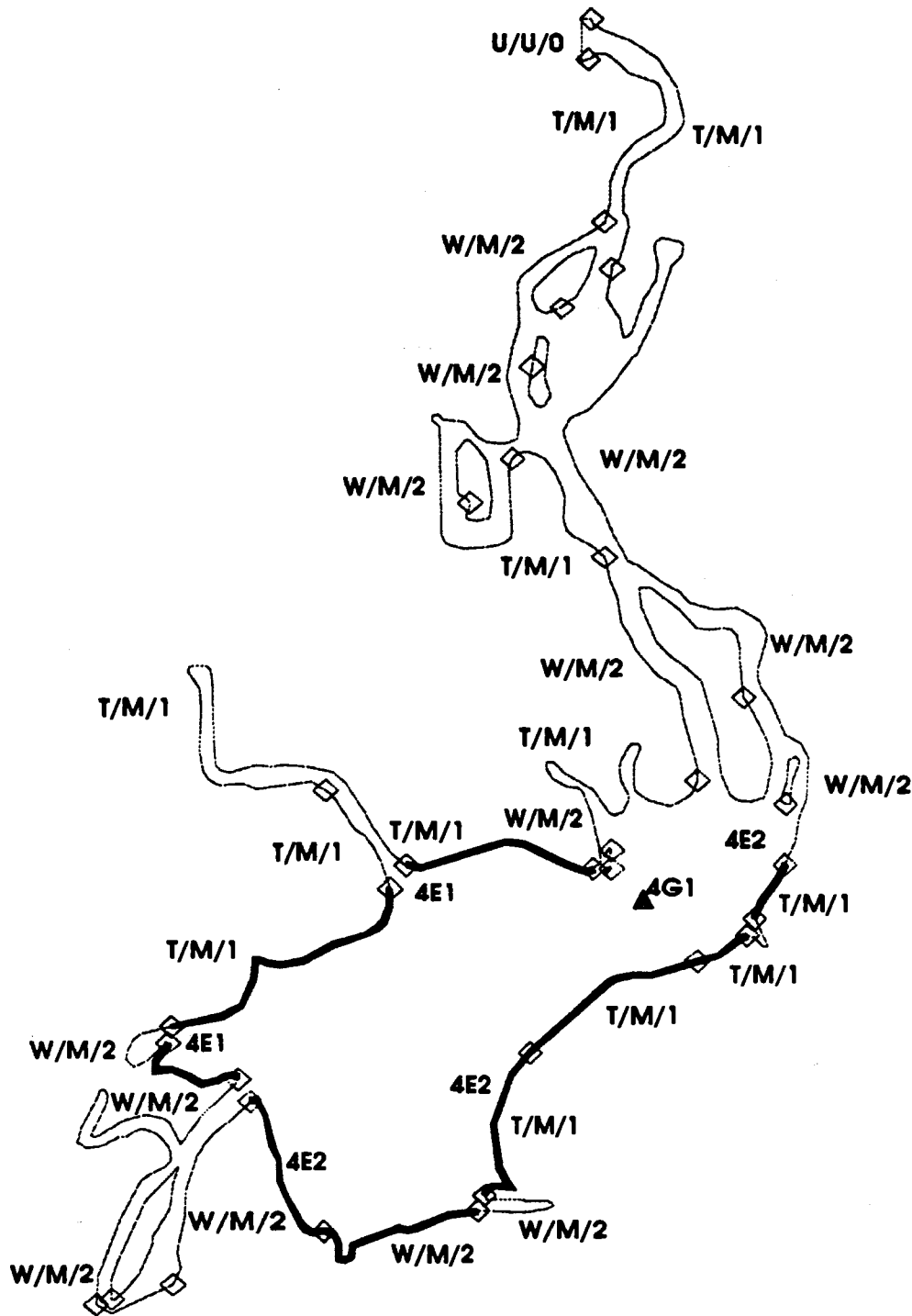


SCALE



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from 7.5 min. USGS topographic map  
Date completed: 10/24/89

# PETITE LAKE



Habitat Codes (given as a three character code: Habitat/Substrate/Hard Cover)		
<b>Habitat:</b>	<b>Substrate:</b>	<b>Hard Cover Rating:</b>
W = Woody debris	M = Mud or silt	0 = 0% woody debris and no docks.
E = Emergent vegetation	C = Clay	1 = 0% woody debris with docks or 1-33% woody debris.
R = Rip rap	S = Sand	2 = 1-33% woody debris with many docks or 34-66% woody debris.
O = Open area	G = Gravel	3 = 34-66% woody debris with many docks or greater than 67% woody debris.
D = Docks	B = Rock or boulder	
T = Retaining wall or dam face	U = Unknown	
U = Unknown		

Information compiled by the Illinois Natural History Survey, completed 10/24/89

# PIERCE LAKE

County: WINNEBAGO  
 Latitude: 422043  
 Longitude: 885904

Township: T45N  
 Range: R2E  
 Section: 26,27

IDOC Region: 1  
 IDOC District: 2  
 IDOC Lake Number: 17  
 Storet Code: RP-B02-C  
 IDOC Lake Class: ST  
 Lake Origin: AA  
 Natural Division: 2A

Surface Area (ha): 61.2  
 Surface Area (acres): 146.9  
 Mean Depth (m): 3.41  
 Maximum Depth (m): 10.06  
 Shore Length (km): 6.72  
 Shoreline Dev. Index: 2.42

Year Constructed: 1960

USGS 7.5' Quad: CALEDONIA  
 Major River Basin: ROCK  
 Inflowing Stream: WILLOW CR  
 Outflowing Stream: WILLOW CR>ROCK R

Typical Water Chemistry:  
 Secchi Disk Depth (cm): 79  
 Conductivity (umhos): 462  
 Total Alkalinity (mg/l): 163  
 pH: 8.8

Watershed Area (ha): 8150  
 Storage Cap. (1000 m<sup>3</sup>): 2091.23  
 Retention Time (yrs): 0.4  
 Volume Dev. Index: 1.01

Maximum Length (km): 0.92  
 Maximum Width (km): 1.8  
 Inshore Mean Depth (m): 1.1  
 Pool Elevation (m msl):

Climatic Information:  
 Growing Season (days): 152  
 Growing Deg. Days (50°F base): 2813

## Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

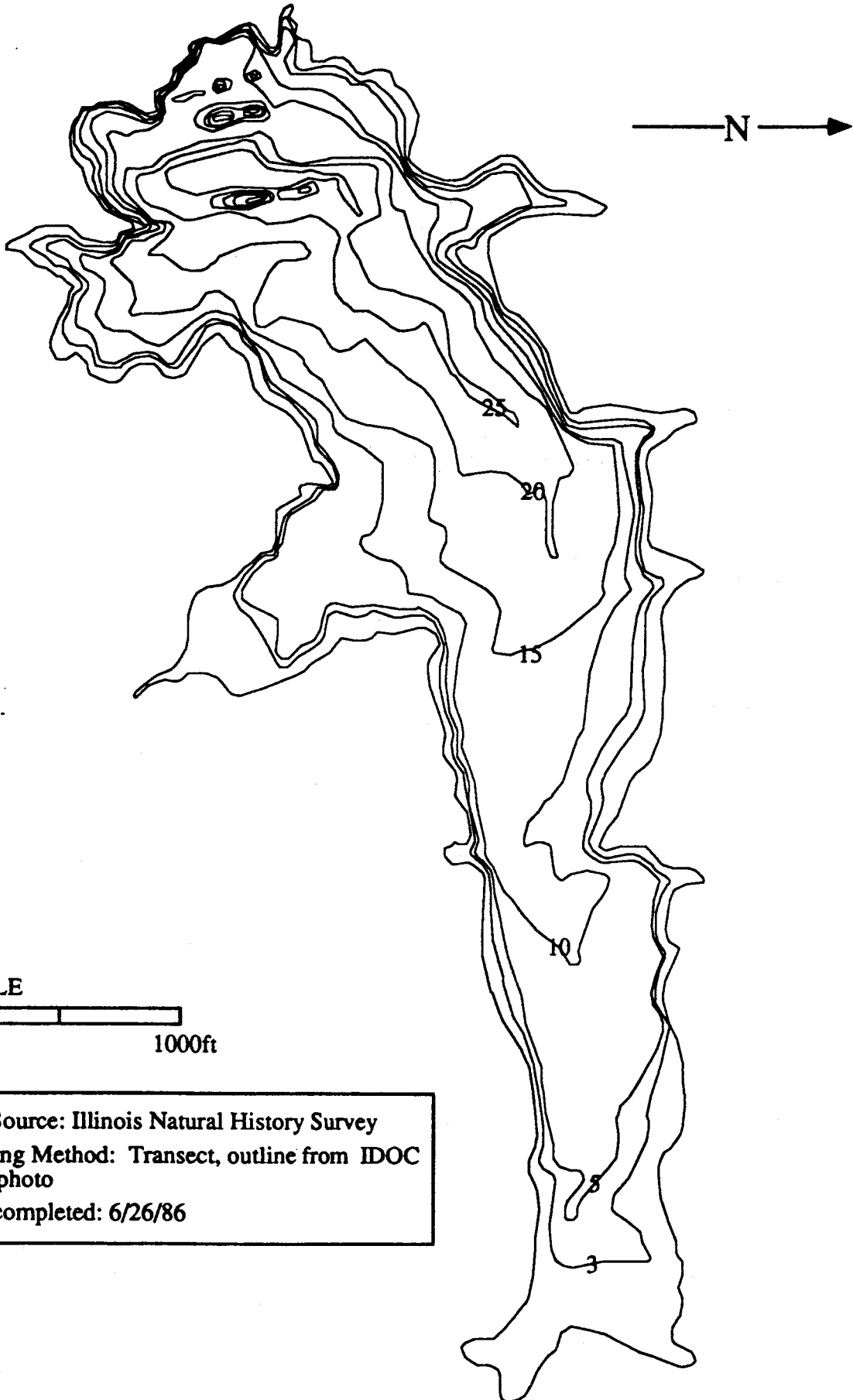
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
E/G/0	15	15
E/B/0	2	2
E/U/0	6	6
O/G/0	7	7
R/B/0	2	2
R/B/2	2	1
U/U/0	43	5
W/G/2	17	17
W/U/3	6	6

## Fish Species Present in Lake (based on IDOC sampling):

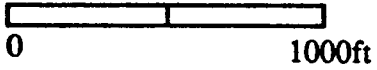
Black Bullhead	Muskellunge
Black Crappie	Smallmouth Bass
Bluegill	Spotfin Shiner
Bluntnose Minnow	Walleye
Brook Silverside	White Crappie
Brown Bullhead	White Sucker
Carp	Yellow Bullhead
Channel Catfish	Yellow Perch
Gizzard Shad	
Golden Shiner	
Green Sunfish	
Largemouth Bass	

**Notes and Comments:**

# PIERCE LAKE



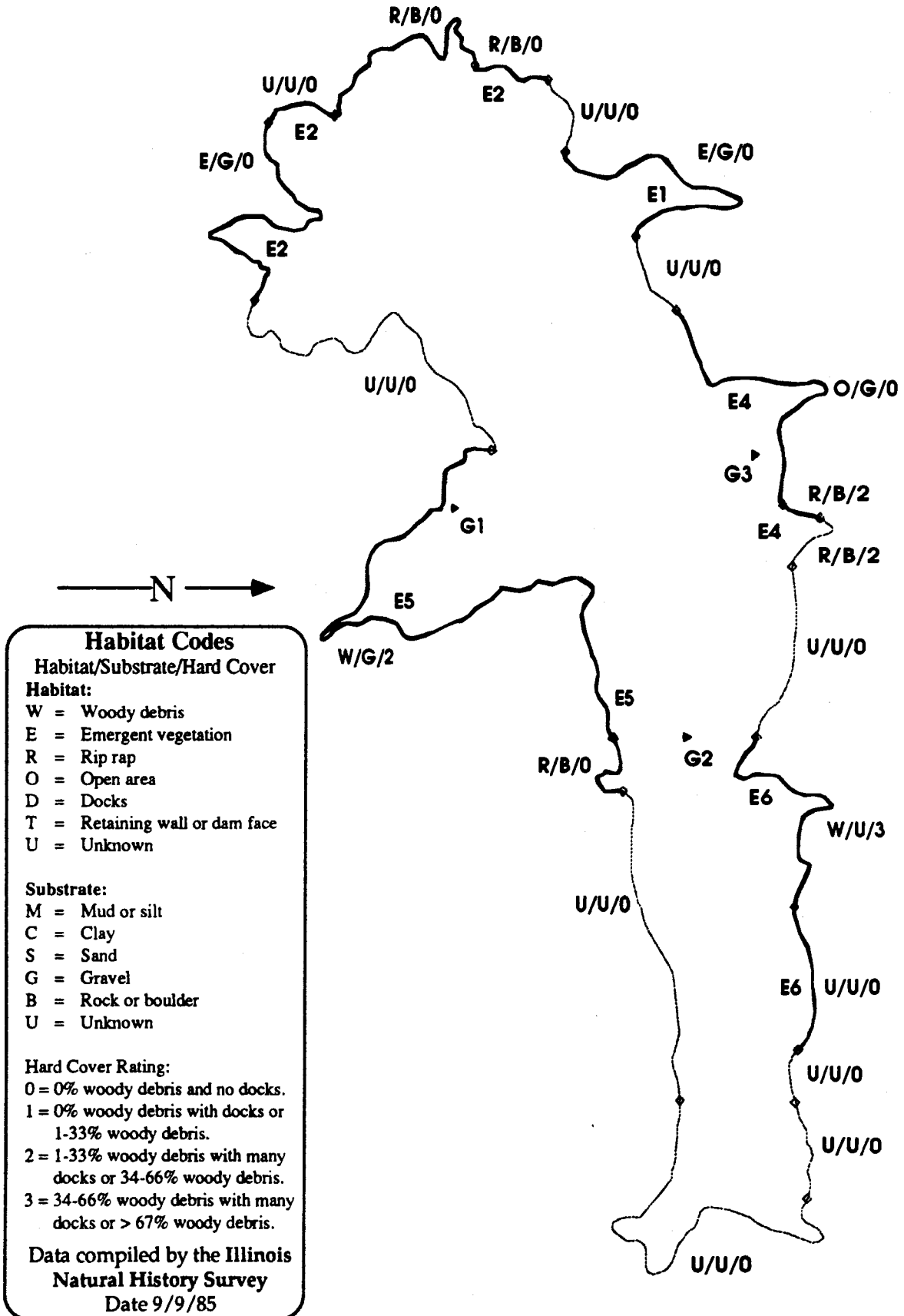
SCALE



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from IDOC  
aerial photo  
Date completed: 6/26/86



# PIERCE LAKE



# PISCATEER'S LAKE

County: COOK  
 Latitude: 413821  
 Longitude: 873602

Township: T36N  
 Range: R14E  
 Section: 3

IDOC Region: 2  
 IDOC District: 6  
 IDOC Lake Number:  
 STORET Code:  
 IDOC Lake Class: PR  
 Lake Origin: AQ  
 Natural Division: 3C-

Surface Area (ha): 12.9  
 Surface Area (acres): 30.9  
 Mean Depth (m): 6.05  
 Maximum Depth (m): 10.36  
 Shore Length (km): 1.84  
 Shoreline Dev. Index: 1.44

Year Constructed: 1942

USGS 7.5' Quad: LAKE CALUMET  
 Major River Basin: DES PLAINES  
 Inflowing Stream: NONE  
 Outflowing Stream: NONE

Typical Water Chemistry:  
 Secchi Disk Depth (cm): 351  
 Conductivity (umhos): 1330  
 Total Alkalinity (mg/l): 271  
 pH: 8.6

Watershed Area (ha): 32  
 Storage Cap. (1000 m<sup>3</sup>): 780.14  
 Retention Time (yrs): 12.0  
 Volume Dev. Index: 1.75

Maximum Length (km): 0.34  
 Maximum Width (km): 0.62  
 Inshore Mean Depth (m): 5.7  
 Pool Elevation (m msl): 179.8

Climatic Information:  
 Growing Season (days): 165  
 Growing Deg. Days (50°F base): 2996

## Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
D/G/1	4	4
E/G/0	41	41
O/G/0	22	22
R/B/0	32	32

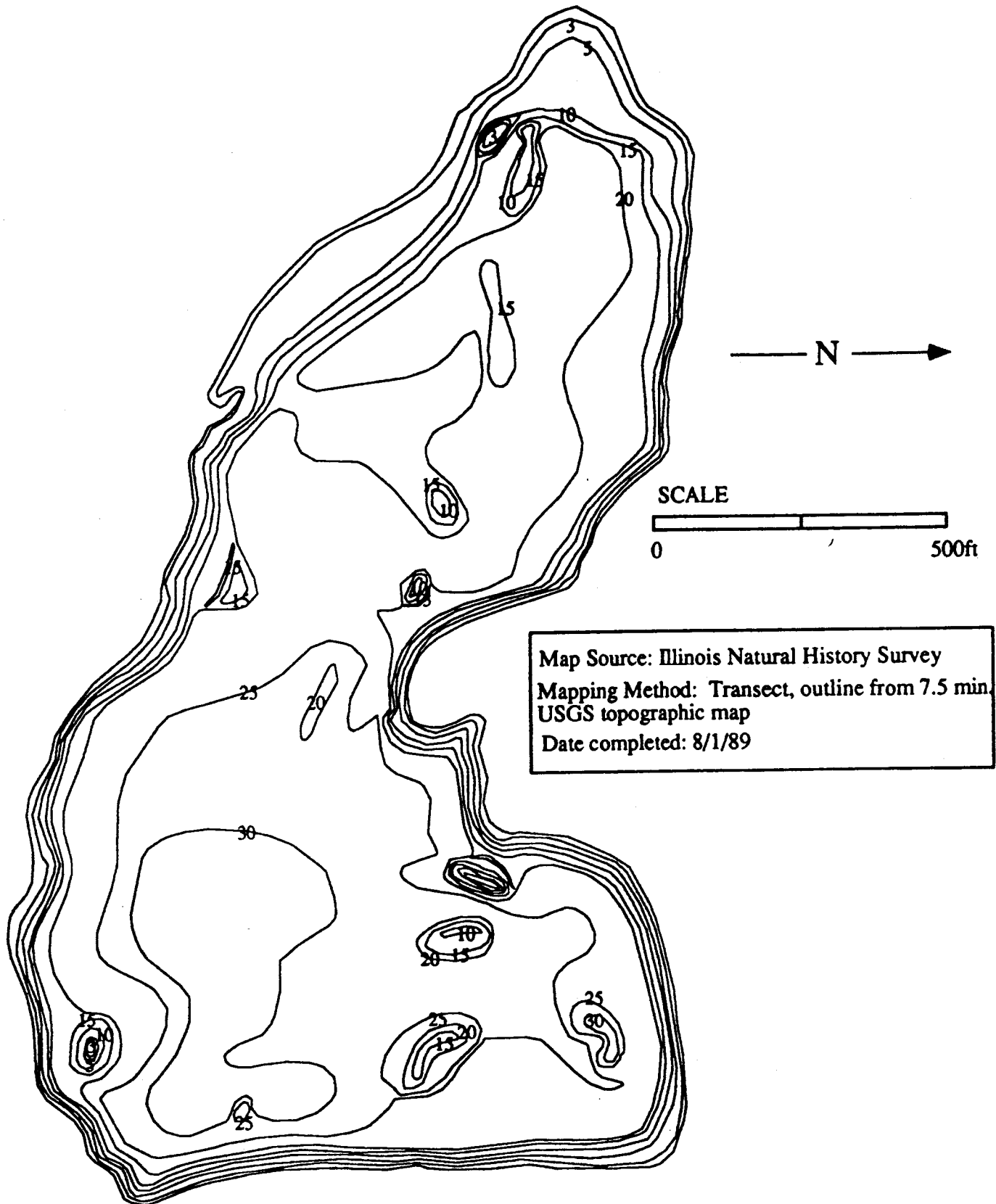
## Fish Species Present in Lake (based on IDOC sampling):

Bluegill  
 Carp  
 Channel Catfish  
 Grass Pickerel  
 Green Sunfish  
 Largemouth Bass  
 Pumpkinseed  
 White Bass  
 Yellow Perch

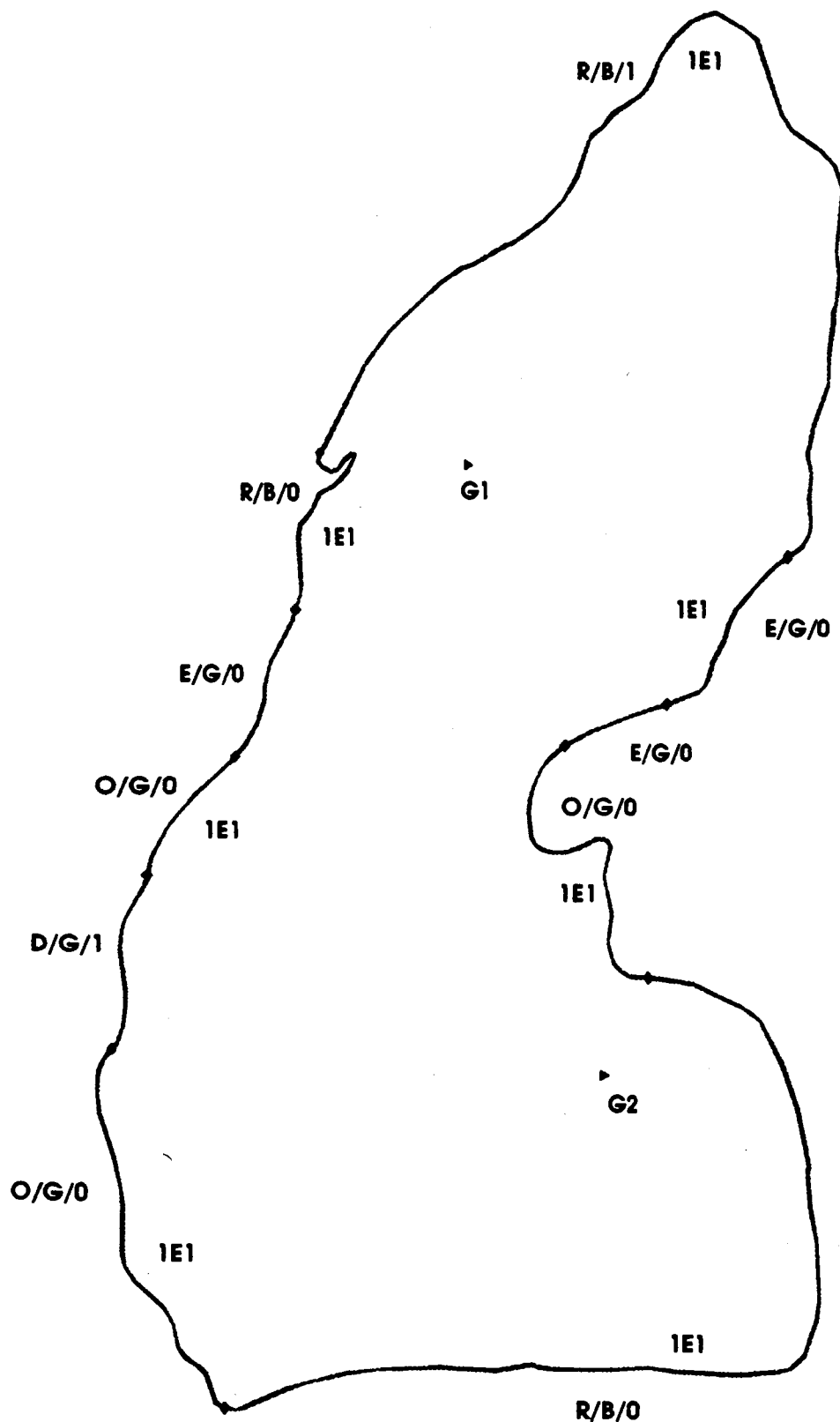


**Notes and Comments:**

# PISCATEER LAKE



# PISCATEER LAKE



**Habitat Codes**

**Habitat/Substrate/Hard Cover**

**Habitat:**

- W = Woody debris
- E = Emergent vegetation
- R = Rip rap
- O = Open area
- D = Docks
- T = Retaining wall or dam face
- U = Unknown

**Substrate:**

- M = Mud or silt
- C = Clay
- S = Sand
- G = Gravel
- B = Rock or boulder
- U = Unknown

**Hard Cover Rating:**

- 0 = 0% woody debris and no docks.
- 1 = 0% woody debris with docks or 1-33% woody debris.
- 2 = 1-33% woody debris with many docks or 34-66% woody debris.
- 3 = 34-66% woody debris with many docks or > 67% woody debris.

Data compiled by the Illinois  
Natural History Survey  
Date 8/1/89

# PISTAKEE LAKE

## (Fox Chain of Lakes)

County: LAKE  
 Latitude: 422339  
 Longitude: 881216

IDOC Region: 2  
 IDOC District: 6  
 IDOC Lake Number: 4225  
 STORET Code: RT-B01-U  
 IDOC Lake Class: PU  
 Lake Origin: NG  
 Natural Division: 3A

Surface Area (ha): 714.9  
 Surface Area (acres): 1715.7  
 Mean Depth (m): 2.256  
 Maximum Depth (m): 10.973  
 Shore Length (km): 35.005  
 Shoreline Dev. Index: 3.69

Year Constructed: 1939

USGS 7.5' Quad: WAUCONDA/FOX LAKE  
 Major River Basin: FOX  
 Inflowing Stream: FOX R  
 Outflowing Stream: FOX R

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 39  
 Conductivity (umhos): 609  
 Total Alkalinity (mg/l): 271  
 pH: 8.5

Watershed Area (ha): 688  
 Storage Cap. (1000 m<sup>3</sup>): 16135  
 Retention Time (yrs): 0.1  
 Volume Dev. Index: 0.61

Maximum Length (km): 3.732  
 Maximum Width (km): 21.268  
 Inshore Mean Depth (m): 0.75  
 Pool Elevation (m msl): 224.6

**Climatic Information:**  
 Growing Season (days): 158  
 Growing Deg. Days (50°F base): 2694

### Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
E/M/0	6	1
T/S/1	43	17
T/M/1	17	
U/U/0	2	
W/S/1	24	8
W/M/2	9	4

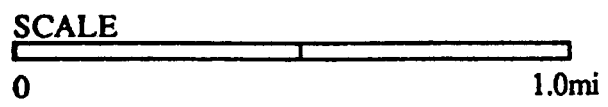
### Fish Species Present in Lake (based on IDOC sampling):

Bluegill X Green Sunfish	Logperch	Yellow Bullhead
Black Bullhead	Muskellunge	Yellow Perch
Black Crappie	Orangespotted Sunfish	Yellow Bass
Bluegill	Pumpkinseed	
Bluegill X Orangespotted Sunfish		
Brook Silverside	Pumpkinseed X Bluegill	
Bullhead Minnow	Pumpkinseed X Green Sunfish	
Carp	Smallmouth Bass	
Channel Catfish	Spotted Sucker	
Emerald Shiner	Striped Shiner	
Flathead Catfish	Quillback Carpsucker	
Fathead Minnow	Walleye	
Golden Shiner	White Bass	
Green Sunfish	White Crappie	
Largemouth Bass	White Sucker	

**Notes and Comments:**

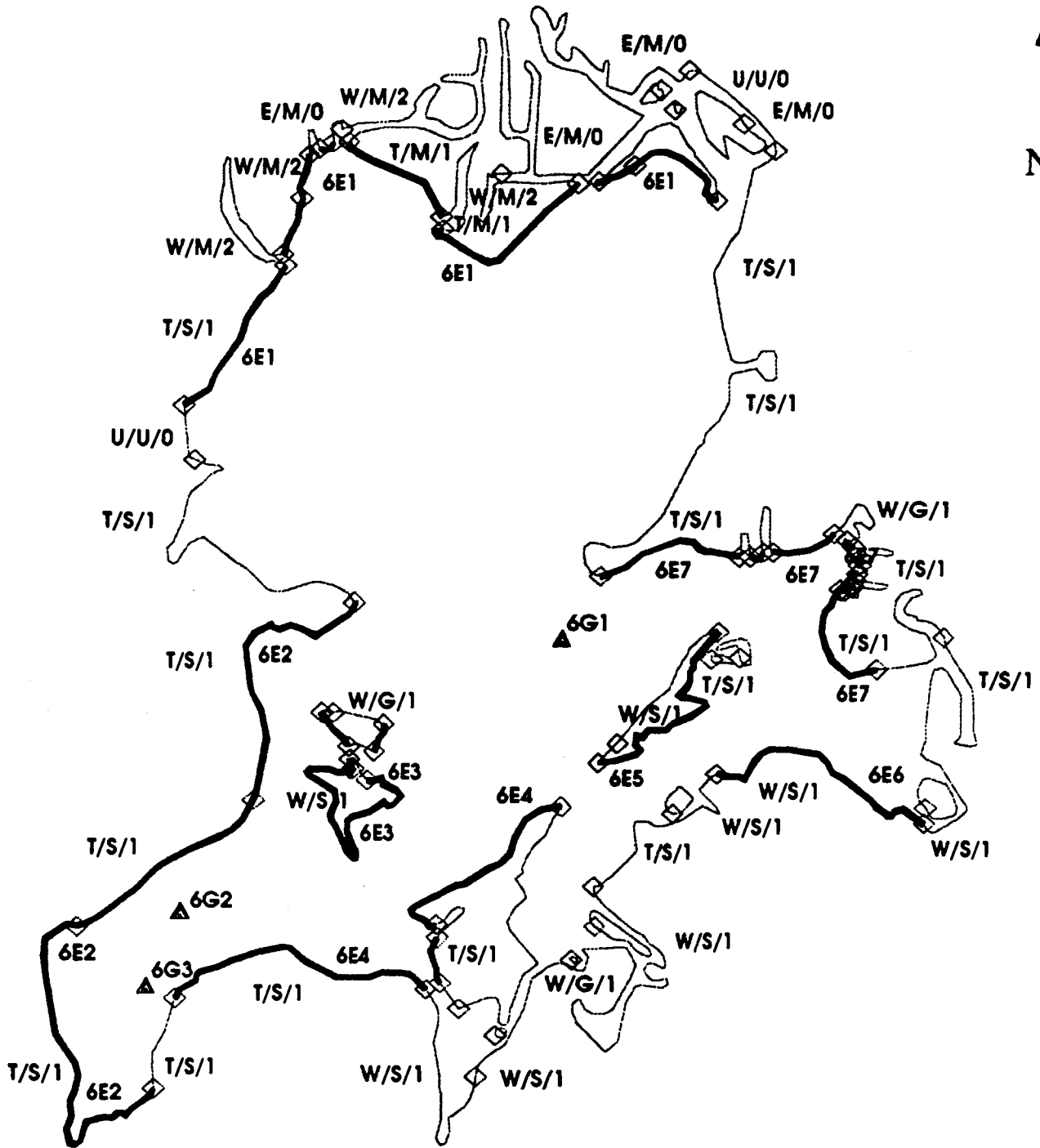


# PISTAKEE LAKE



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from 7.5 min.  
USGS topographic map  
Date completed: 4/91

# PISTAKEE LAKE



**Habitat Codes** (given as a three character code: Habitat/Substrate/Hard Cover)

<b>Habitat:</b>	<b>Substrate:</b>	<b>Hard Cover Rating:</b>
W = Woody debris	M = Mud or silt	0 = 0% woody debris and no docks.
E = Emergent vegetation	C = Clay	1 = 0% woody debris with docks or 1-33% woody debris.
R = Rip rap	S = Sand	2 = 1-33% woody debris with many docks or 34-66% woody debris.
O = Open area	G = Gravel	3 = 34-66% woody debris with many docks or greater than 67% woody debris.
D = Docks	B = Rock or boulder	
T = Retaining wall or dam face	U = Unknown	
U = Unknown		

Information compiled by the Illinois Natural History Survey, completed 10/29/86

# POND 6

## (Kickapoo State Park)

County: VERMILLION  
 Latitude: 395530  
 Longitude: 874417

Township: T19N  
 Range: R12W  
 Section: 8

IDOC Region: 3  
 IDOC District: 8  
 IDOC Lake Number: 113  
 STORET Code:  
 IDOC Lake Class: ST  
 Lake Origin:  
 Natural Division: 10C

Surface Area (ha): 5.7  
 Surface Area (acres): 13.7  
 Mean Depth (m): 3.12  
 Maximum Depth (m): 6.71  
 Shore Length (km): 3.04  
 Shoreline Dev. Index: 3.6

Year Constructed: 1926

USGS 7.5' Quad: DANVILLE NW & SW  
 Major River Basin: WABASH  
 Inflowing Stream: INTERMITTENT TRIBS  
 Outflowing Stream: NONE

Watershed Area (ha): 1.66  
 Storage Cap. (1000 m<sup>3</sup>): 177.27  
 Retention Time (yrs): 0.4  
 Volume Dev. Index: 1.39

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm):  
 Conductivity (umhos): 890  
 Total Alkalinity (mg/l): 282  
 pH: 8.2

Maximum Length (km): 0.78  
 Maximum Width (km): 0.38  
 Inshore Mean Depth (m):  
 Pool Elevation (m msl): 170.4

**Climatic Information:**  
 Growing Season (days): 182  
 Growing Deg. Days (50°F base): 3665

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

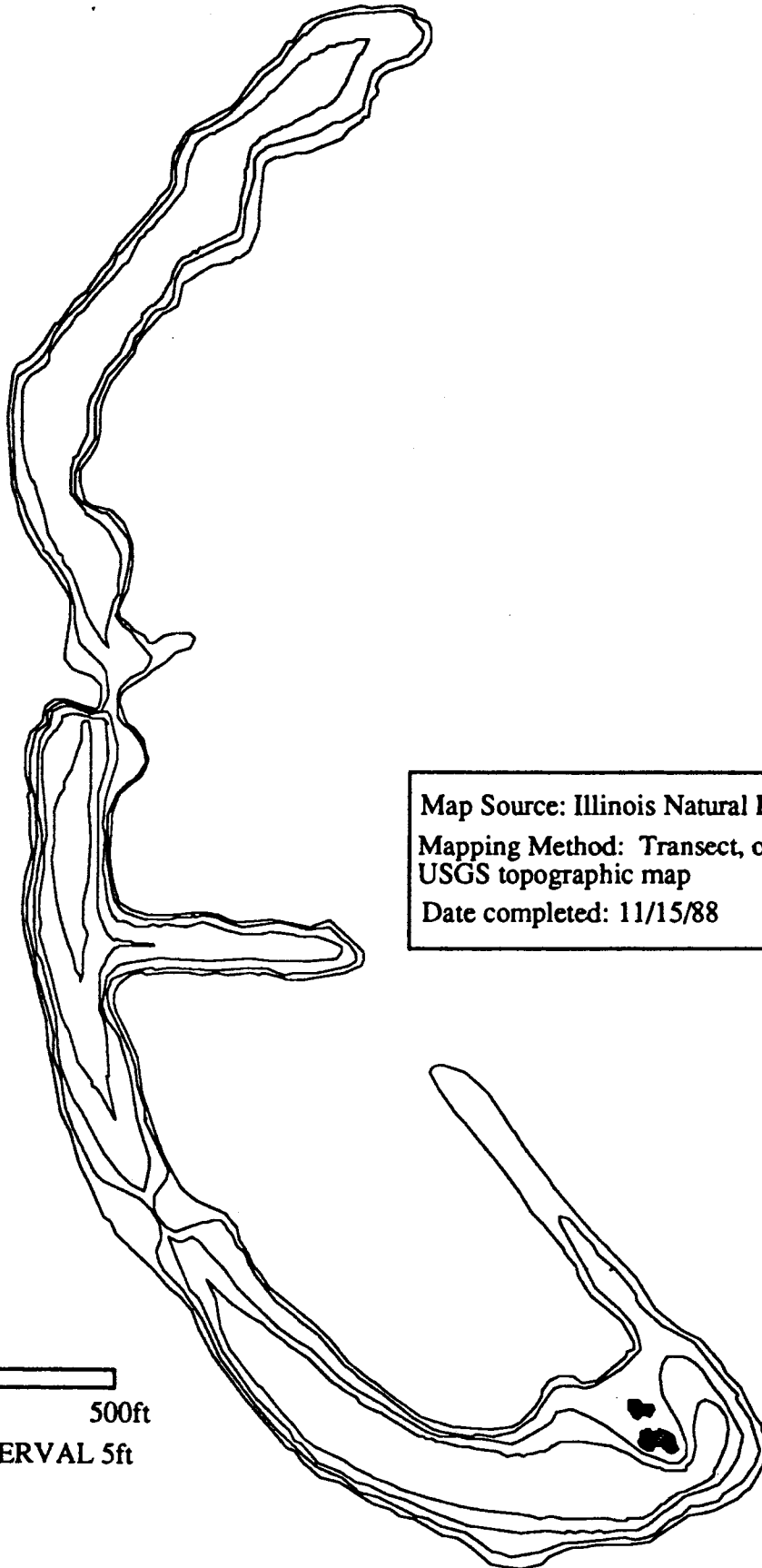
<u>Habitat Type</u>	<u>Percent of Total Shoreline</u>	<u>Percent of Total Shoreline Sampled by Electrofishing</u>
W/C/2	100	25

**Fish Species Present in Lake (based on IDOC sampling):**

N/A

**Notes and Comments:**

# POND #6 - KSP



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from 7.5 min. USGS topographic map  
Date completed: 11/15/88

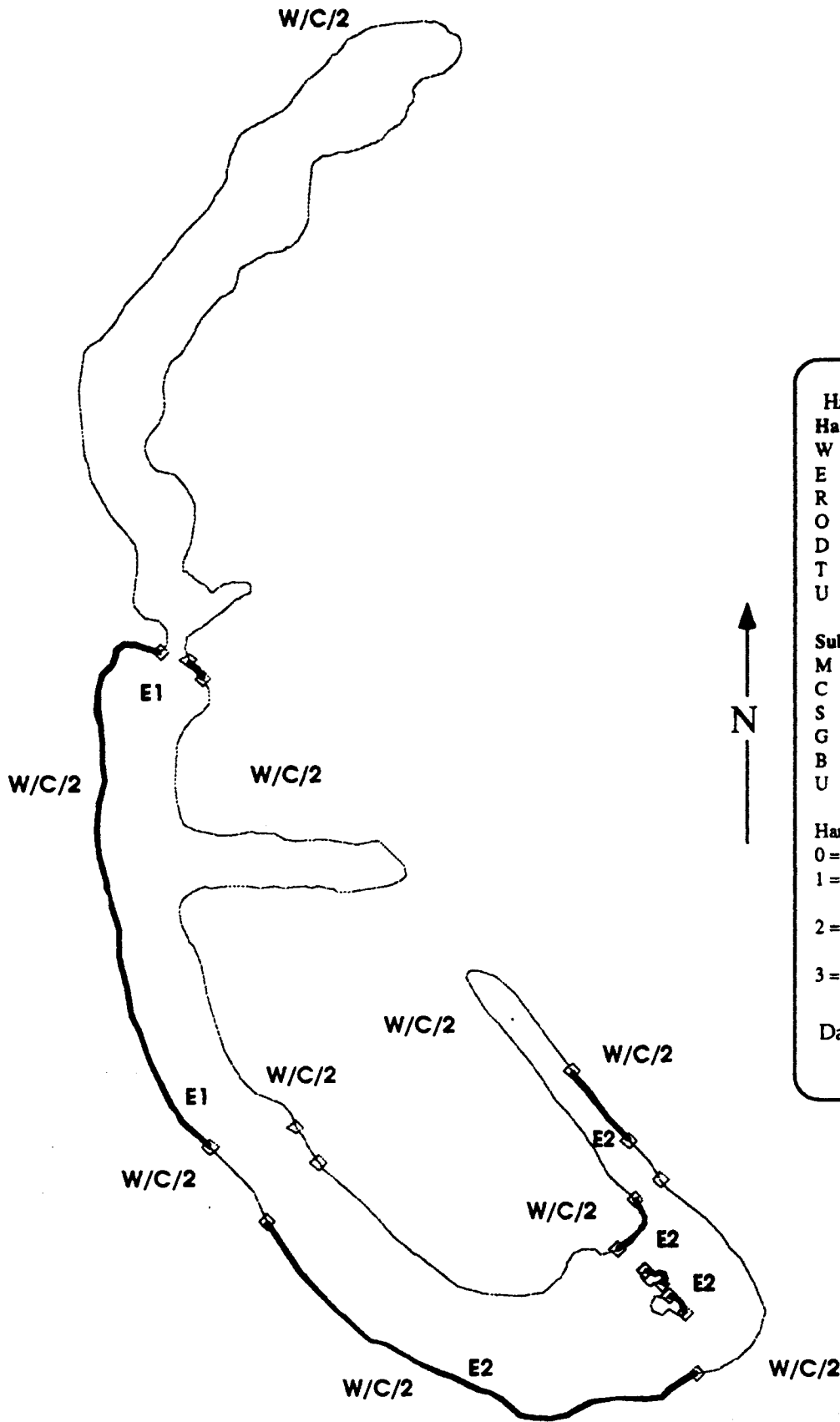
SCALE



0 500ft

CONTOUR INTERVAL 5ft

# POND #6 - KSP



**Habitat Codes**  
**Habitat/Substrate/Hard Cover**

**Habitat:**  
W = Woody debris  
E = Emergent vegetation  
R = Rip rap  
O = Open area  
D = Docks  
T = Retaining wall or dam face  
U = Unknown

**Substrate:**  
M = Mud or silt  
C = Clay  
S = Sand  
G = Gravel  
B = Rock or boulder  
U = Unknown

**Hard Cover Rating:**  
0 = 0% woody debris and no docks.  
1 = 0% woody debris with docks or 1-33% woody debris.  
2 = 1-33% woody debris with many docks or 34-66% woody debris.  
3 = 34-66% woody debris with many docks or > 67% woody debris.

Data compiled by the Illinois Natural History Survey  
Date

# POWERTON LAKE

County: TAZWELL  
 Latitude: 403230  
 Longitude: 894230

Township: T24N  
 Range: R5W  
 Section: 7,8,5

Year Constructed: 1971

USGS 7.5' Quad: PEKIN  
 Major River Basin: ILLINOIS  
 Inflowing Stream: NONE  
 Outflowing Stream: PUMPED TO ILL R

**Typical Water Chemistry:**

Secchi Disk Depth (cm): 75  
 Conductivity (umhos): 795  
 Total Alkalinity (mg/l): 230  
 pH:

IDOC Region: 1  
 IDOC District: 4  
 IDOC Lake Number: 39  
 Storet Code:  
 IDOC Lake Class: ST  
 Lake Origin: AD  
 Natural Division: 5A

Surface Area (ha): 537.3  
 Surface Area (acres): 1289.4  
 Mean Depth (m): 3.15  
 Maximum Depth (m): 4.57  
 Shore Length (km): 17.53  
 Shoreline Dev. Index: 2.13

Watershed Area (ha): 551  
 Storage Cap. (1000 m<sup>3</sup>): 16903.91  
 Retention Time (yrs): N/A  
 Volume Dev. Index: 2.06

Maximum Length (km): 3.326  
 Maximum Width (km): 2.458  
 Inshore Mean Depth (m): 3.9  
 Pool Elevation (m msl): 132.6

**Climatic Information:**

Growing Season (days): 180  
 Growing Deg. Days (50°F base): 3551

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

<u>Habitat Type</u>	<u>Percent of Total Shoreline</u>	<u>Percent of Total Shoreline Sampled by Electrofishing</u>
R/B/0	100	40

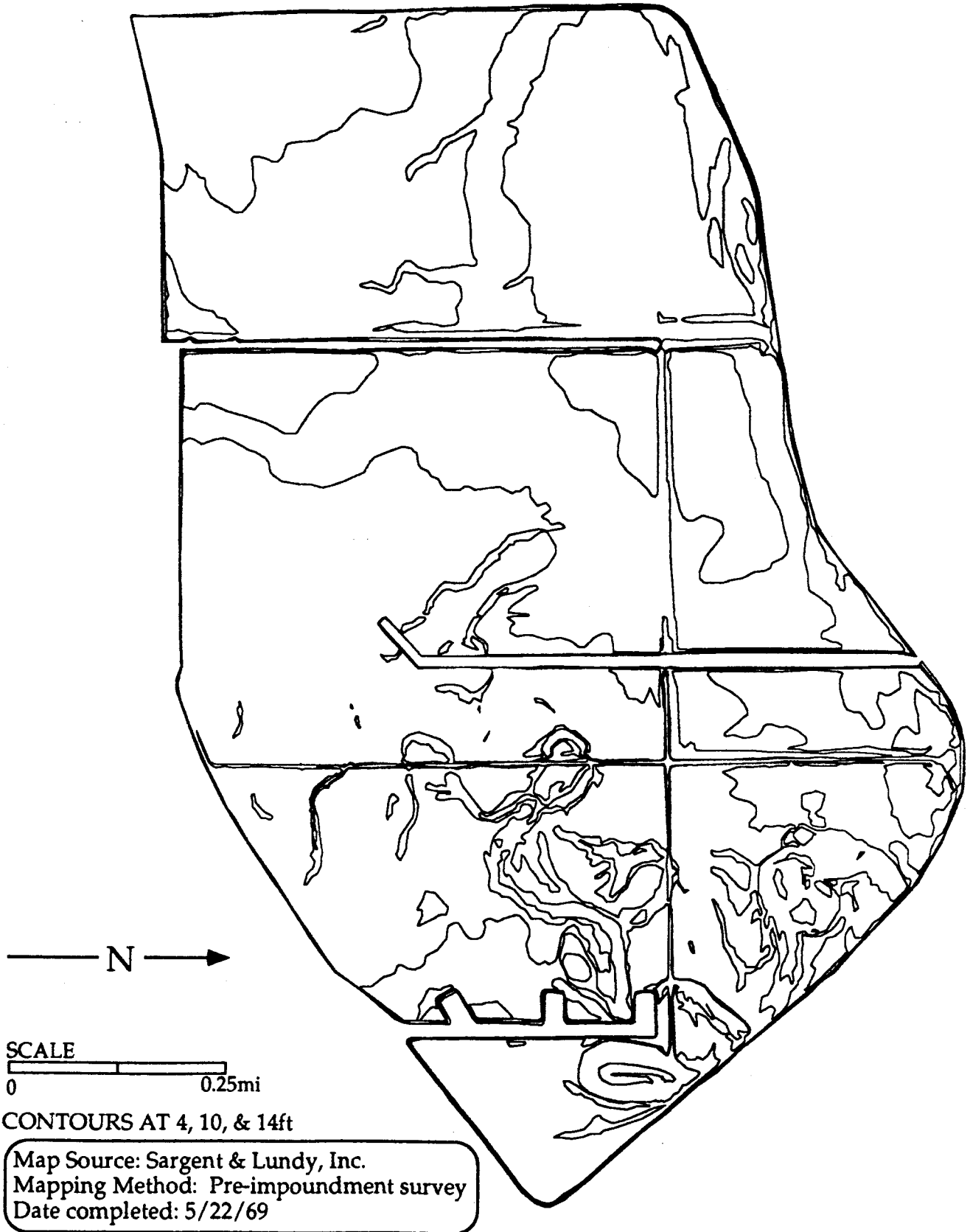
**Fish Species Present in Lake (based on IDOC sampling):**

Bigmouth Buffalo	Hybrid Striped Bass	Threadfin Shad
Black Bullhead	Largemouth Bass	Walleye
Black Crappie	Logperch	White Bass
Bluegill	Orangespotted Sunfish	Yellow Bullhead
Carp	River Carpsucker	
Channel Catfish	River Shiner	
Emerald Shiner	Suager	
Freshwater Drum	Skipjack Herring	
Gizzard Shad	Smallmouth Bass	
Golden Shiner	Smallmouth Buffalo	
Green Sunfish	Spotfin Shiner	
Green Sunfish X Bluegill	Spottail Shiner	

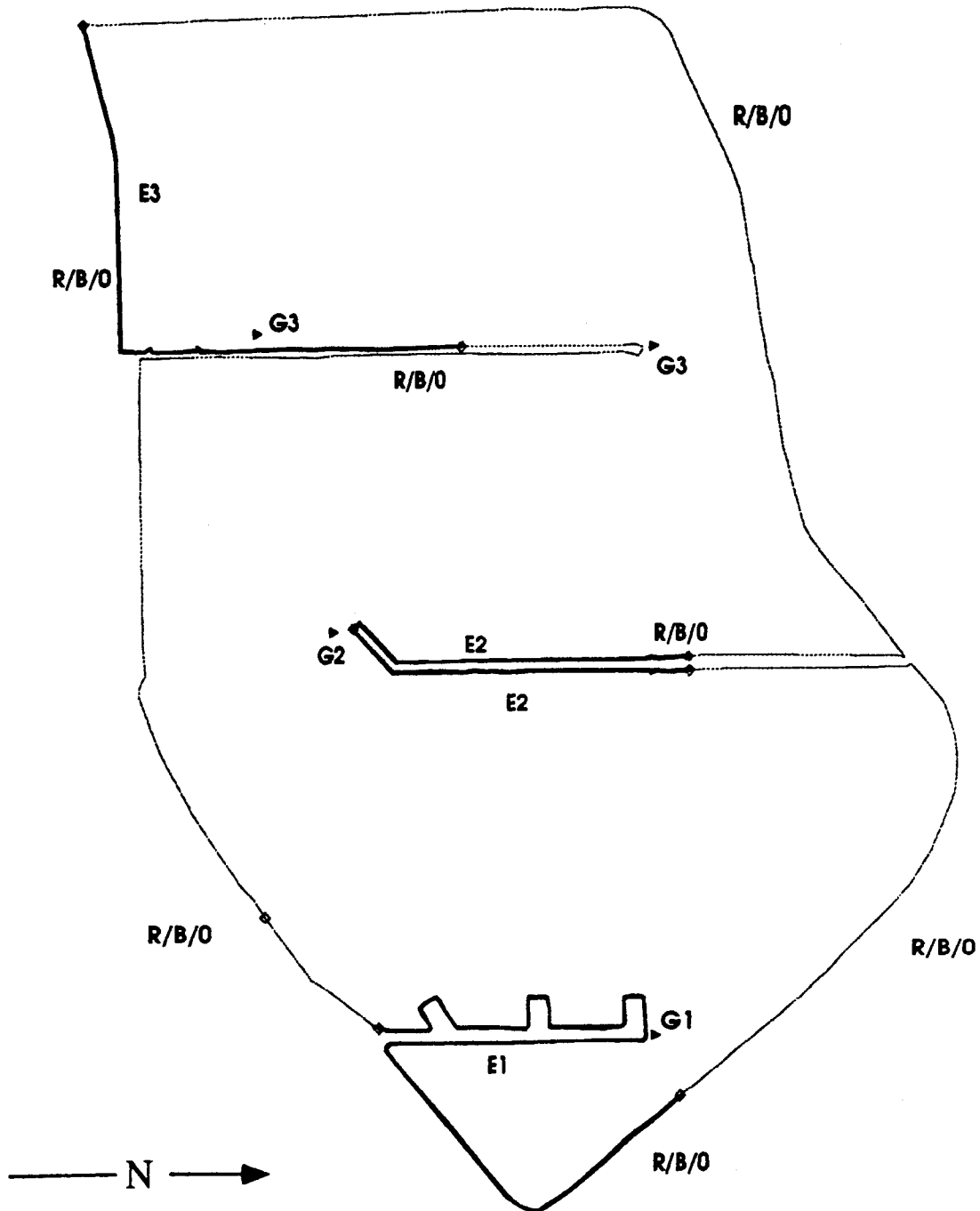
**Notes and Comments:**



# POWERTON LAKE



# POWERTON LAKE



<b>Habitat Codes</b> (given as a three character code: <b>Habitat/Substrate/Hard Cover</b> )		
<b>Habitat:</b>	<b>Substrate:</b>	<b>Hard Cover Rating:</b>
W = Woody debris	M = Mud or silt	0 = 0% woody debris and no docks.
E = Emergent vegetation	C = Clay	1 = 0% woody debris with docks or 1-33% woody debris.
R = Rip rap	S = Sand	2 = 1-33% woody debris with many docks or 34-66% woody debris.
O = Open area	G = Gravel	3 = 34-66% woody debris with many docks or greater than 67% woody debris.
D = Docks	B = Rock or boulder	
T = Retaining wall or dam face	U = Unknown	
U = Unknown		

Information compiled by the Illinois Natural History Survey, completed 10/29/86

# ROUND LAKE

County: LAKE  
 Latitude: 422142  
 Longitude: 880436

Township: T45N  
 Range: R10E  
 Section: 21

IDOC Region: 2  
 IDOC District: 6  
 IDOC Lake Number:  
 Storet Code: RT-B01-H  
 IDOC Lake Class: PU  
 Lake Origin: NG  
 Natural Division: 3A

Surface Area (ha): 94.6  
 Surface Area (acres): 227.0  
 Mean Depth (m): 3.08  
 Maximum Depth (m): 11.28  
 Shore Length (km): 6.28  
 Shoreline Dev. Index: 1.82

Year Constructed:

USGS 7.5' Quad: GRAYSLAKE\*  
 Major River Basin: FOX  
 Inflowing Stream: INT FROM LONG L  
 Outflowing Stream: NONE

Typical Water Chemistry:  
 Secchi Disk Depth (cm): 111  
 Conductivity (umhos): 485  
 Total Alkalinity (mg/l): 85  
 pH: 9.0

Watershed Area (ha): 202  
 Storage Cap. (1000 m<sup>3</sup>): 2917.01  
 Retention Time (yrs): 7.4  
 Volume Dev. Index: 0.82

Maximum Length (km): 1.64  
 Maximum Width (km): 1.25  
 Inshore Mean Depth (m): 1.2  
 Pool Elevation (m msl): 231.3

Climatic Information:  
 Growing Season (days): 158  
 Growing Deg. Days (50°F base): 2694

## Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

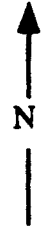
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
D/S/1	44	7
E/S/0	13	1
E/S/1	40	40
O/S/0	1	1
W/G/3	2	2

## Fish Species Present in Lake (based on IDOC sampling):

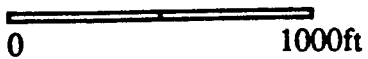
Black Crappie  
 Bluegill  
 Carp  
 Channel Catfish  
 Grass Pickerel  
 Largemouth Bass  
 Northern Pike  
 Pumpkinseed  
 Yellow Perch

**Notes and Comments:**

# ROUND LAKE

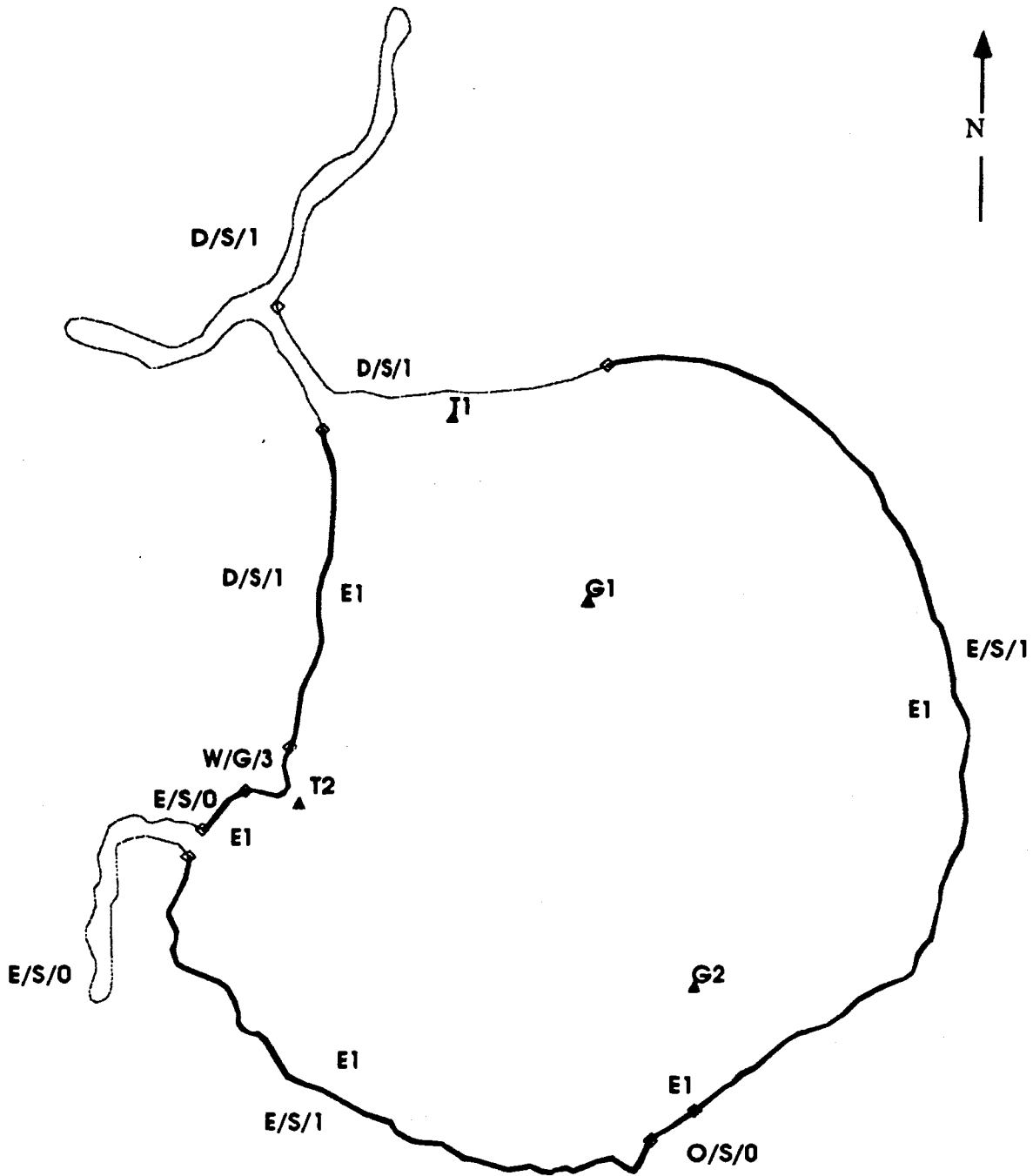


SCALE



Map Source: Illinois Department of Conservation  
Mapping Method: Unknown, outline from ASCS  
aerial photo  
Date completed: 10/25/66

# ROUND LAKE



<b>Habitat Codes</b> (given as a three character code: <b>Habitat/Substrate/Hard Cover</b> )		
<b>Habitat:</b>	<b>Substrate:</b>	<b>Hard Cover Rating:</b>
W = Woody debris	M = Mud or silt	0 = 0% woody debris and no docks.
E = Emergent vegetation	C = Clay	1 = 0% woody debris with docks or 1-33% woody debris.
R = Rip rap	S = Sand	2 = 1-33% woody debris with many docks or 34-66% woody debris.
O = Open area	G = Gravel	3 = 34-66% woody debris with many docks or greater than 67% woody debris.
D = Docks	B = Rock or boulder	
T = Retaining wall or dam face	U = Unknown	
U = Unknown		

Information compiled by the Illinois Natural History Survey, completed 7/29/88

# SAG QUARRY (EAST)

County: COOK  
 Latitude: 414130  
 Longitude: 875544

Township: T37N  
 Range: R11E  
 Section: 13

Year Constructed: 1930

USGS 7.5' Quad: SAG BRIDGE  
 Major River Basin: DES PLAINES  
 Inflowing Stream: NONE  
 Outflowing Stream: NONE

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 213  
 Conductivity (umhos): 1007  
 Total Alkalinity (mg/l): 182  
 pH: 8.4

IDOC Region: 2  
 IDOC District: 6  
 IDOC Lake Number: 87  
 STORET Code:  
 IDOC Lake Class: PU  
 Lake Origin: AQ  
 Natural Division: 3A

Surface Area (ha): 6.0  
 Surface Area (acres): 14.5  
 Mean Depth (m): 1.49  
 Maximum Depth (m): 5.18  
 Shore Length (km): 3.53  
 Shoreline Dev. Index: 4.06

Watershed Area (ha): 38  
 Storage Cap. (1000 m<sup>3</sup>): 89.68  
 Retention Time (yrs): 1.1  
 Volume Dev. Index: 0.86

Maximum Length (km): 0.37  
 Maximum Width (km): 0.42  
 Inshore Mean Depth (m):  
 Pool Elevation (m msl):

**Climatic Information:**  
 Growing Season (days): 165  
 Growing Deg. Days (50°F base): 2996

## Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
E/M/0	0	
E/S/1	19	
E/G/0	47	7
S/G/0	1	1
S/U/0	2	2
S/B/0	4	4
T/U/0	21	19
W/M/	1	
W/S/1	3	1

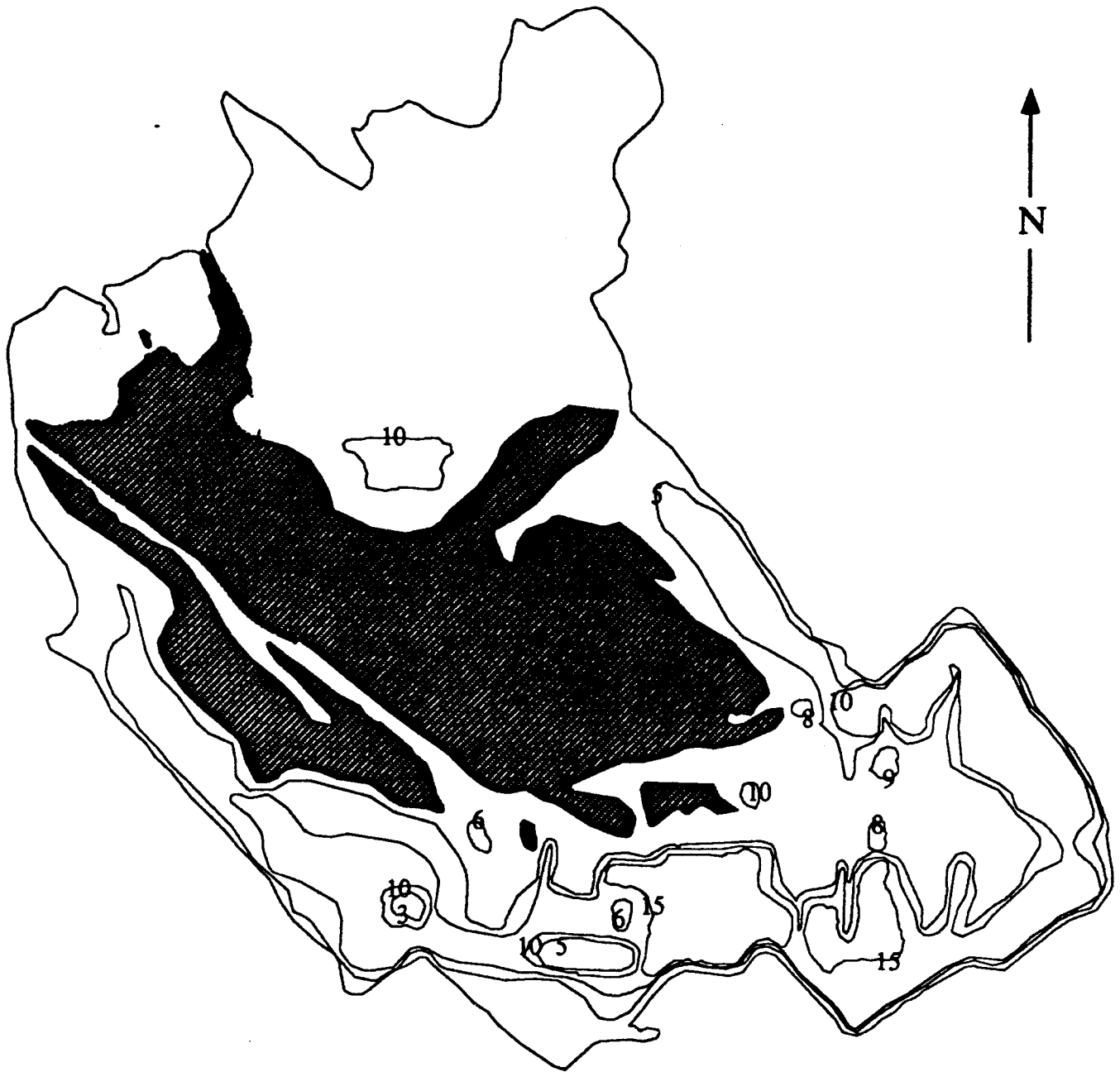
## Fish Species Present in Lake (based on IDOC sampling):

N/A

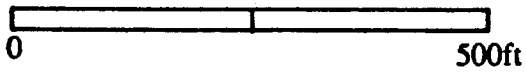
## Notes and Comments:



# SAG QUARRY

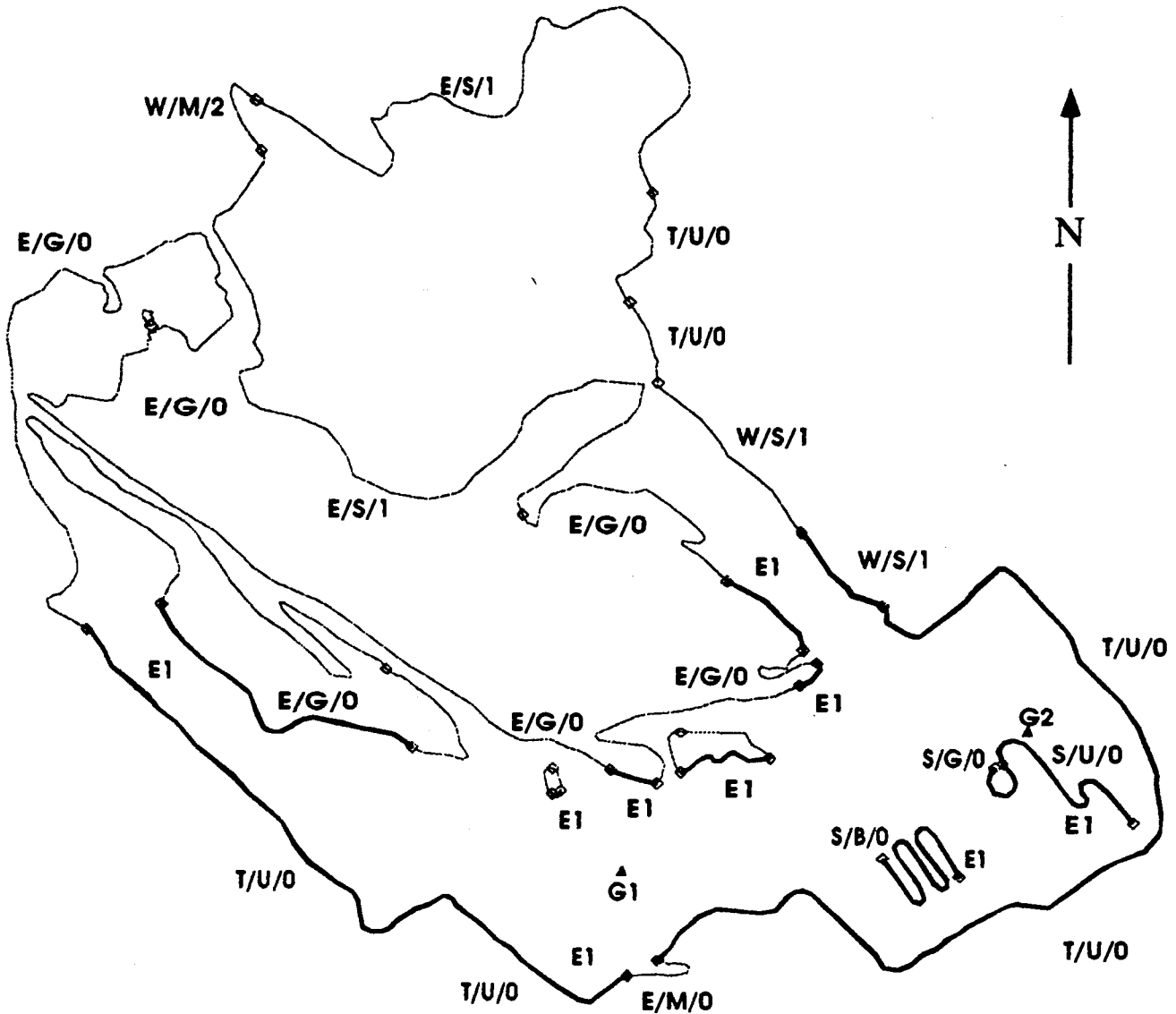


SCALE



Map Source: Cook Co. Forest Preserve Dist.  
Mapping Method: Unknown  
Date completed: Unknown

# SAG QUARRY



**Habitat Codes** (given as a three character code: **Habitat/Substrate/Hard Cover**)

<b>Habitat:</b>	<b>Substrate:</b>	<b>Hard Cover Rating:</b>
W = Woody debris	M = Mud or silt	0 = 0% woody debris and no docks.
E = Emergent vegetation	C = Clay	1 = 0% woody debris with docks or 1-33% woody debris.
R = Rip rap	S = Sand	2 = 1-33% woody debris with many docks or 34-66% woody debris.
O = Open area	G = Gravel	3 = 34-66% woody debris with many docks or greater than 67% woody debris.
D = Docks	B = Rock or boulder	
T = Retaining wall or dam face	U = Unknown	
U = Unknown		

Information compiled by the Illinois Natural History Survey, completed 8/2/89

# SAND LAKE

## (Illinois Beach State Park)

County: LAKE  
 Latitude: 422439  
 Longitude: 880230

IDOC Region: 2  
 IDOC District: 6  
 IDOC Lake Number: 82  
 Storet Code: RG-B01-M  
 IDOC Lake Class: ST  
 Lake Origin: NG  
 Natural Division: 3A

Surface Area (ha): 7.4  
 Surface Area (acres): 17.8  
 Mean Depth (m): 1.48  
 Maximum Depth (m): 3.66  
 Shore Length (km): 1.16  
 Shoreline Dev. Index: 1.2

Year Constructed:

Watershed Area (ha): 96  
 Storage Cap. (1000 m<sup>3</sup>): 109.67  
 Retention Time (yrs): 7.1  
 Volume Dev. Index: 1.21

USGS 7.5' Quad: ANTIOCH\*  
 Major River Basin: DES PLAINES  
 Inflowing Stream: NONE  
 Outflowing Stream: MARSH>4TH L>MILL CR>DES PLAINE

Maximum Length (km): 0.32  
 Maximum Width (km): 0.33  
 Inshore Mean Depth (m): 1.3  
 Pool Elevation (m msl): 236.5

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 85  
 Conductivity (umhos): 483  
 Total Alkalinity (mg/l): 224  
 pH: 7.9

**Climatic Information:**  
 Growing Season (days): 158  
 Growing Deg. Days (50°F base): 2694

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

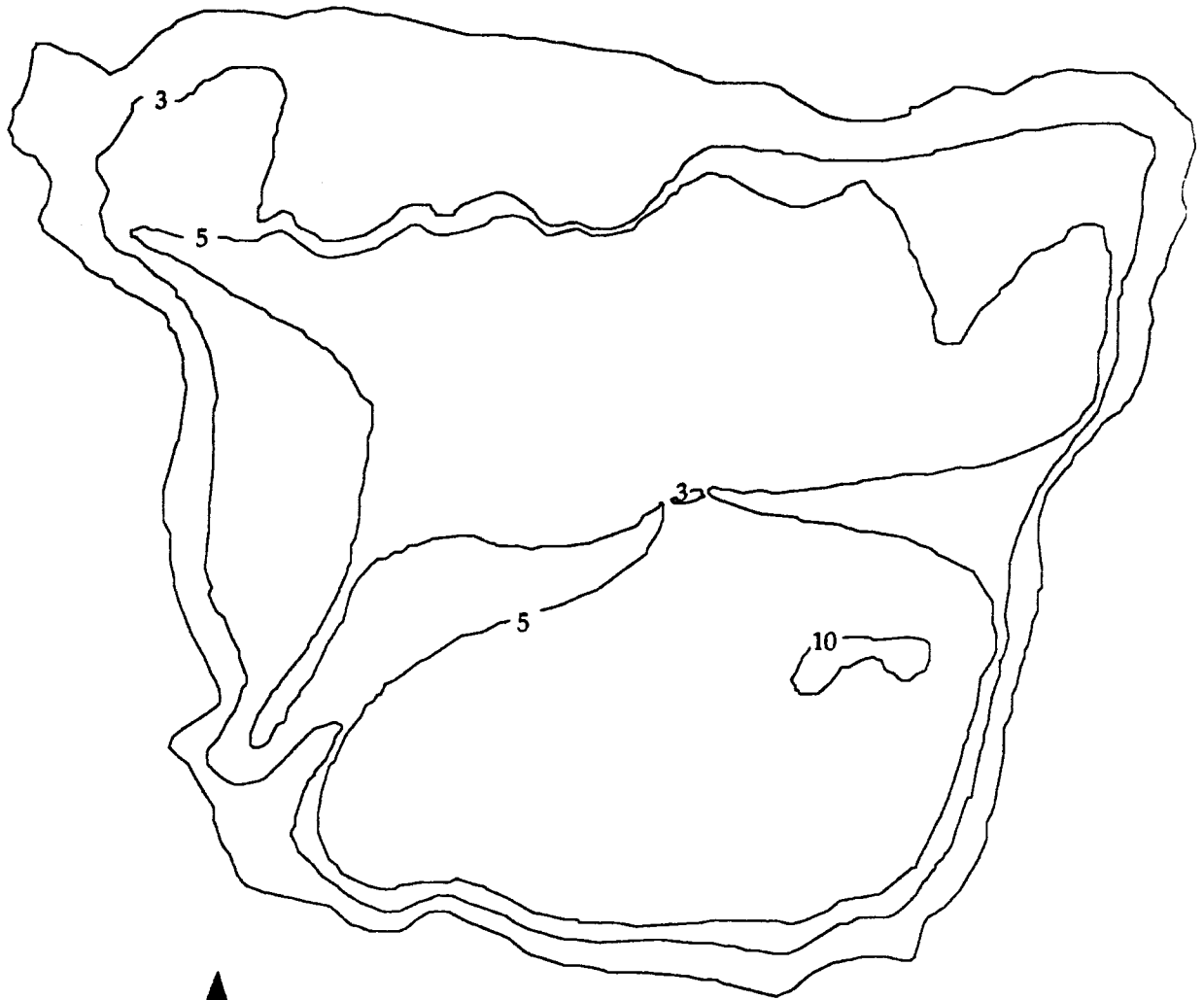
<u>Habitat Type</u>	<u>Percent of Total Shoreline</u>	<u>Percent of Total Shoreline Sampled by Electrofishing</u>
E/S/1	100	100

**Fish Species Present in Lake (based on IDOC sampling):**

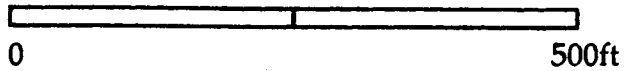
Black Bullhead	White Crappie
Black Crappie	White Sucker
Bluegill	Yellow Perch
Carp	
Central Mudminnow	
Channel Catfish	
Golden Shiner	
Goldfish	
Green Sunfish	
Largemouth Bass	
Pumpkinseed	
Sauger	

## Notes and Comments:

# SAND LAKE

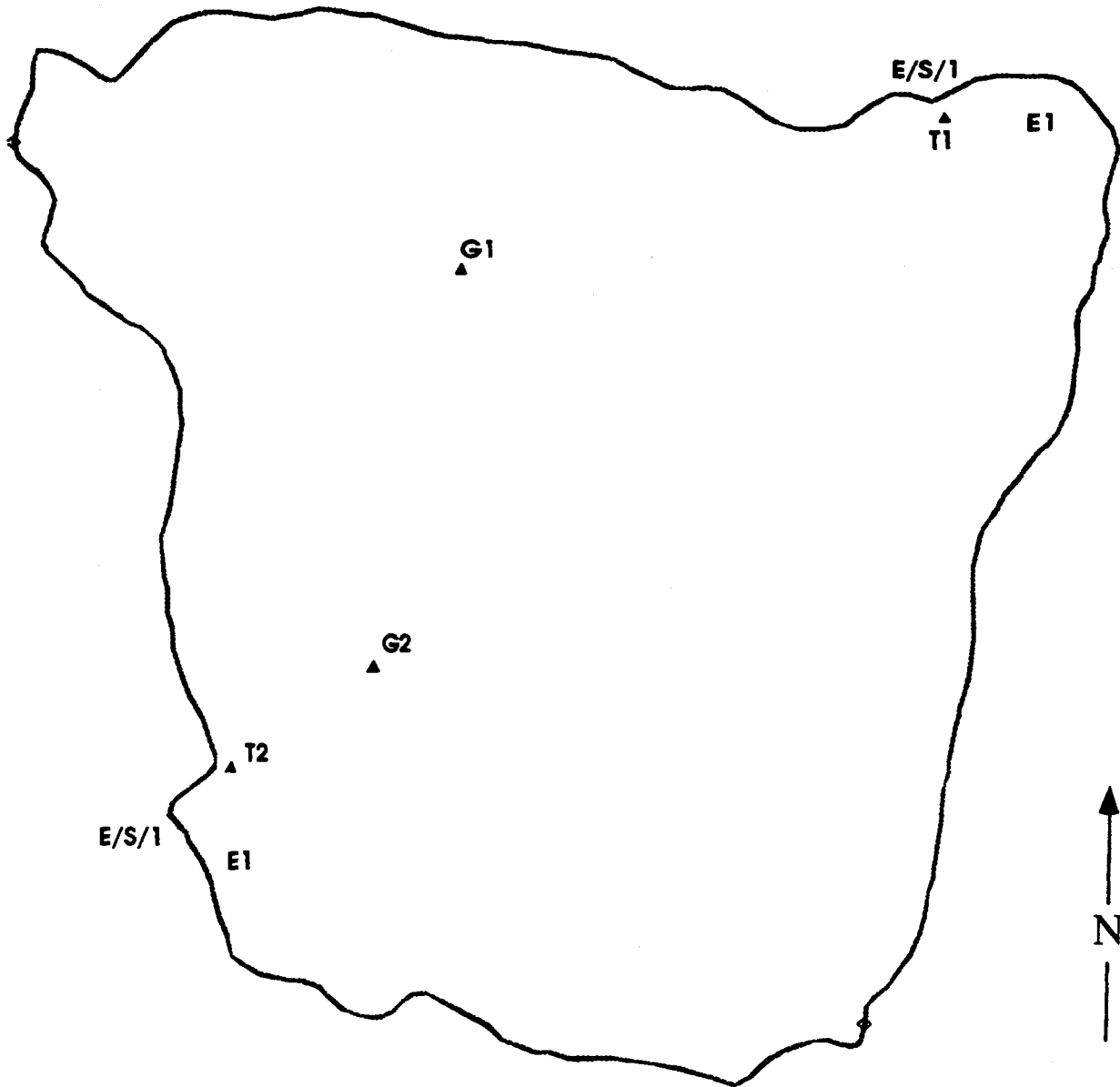


SCALE



Map Source: Illinois Natural History Survey  
Mapping method: Transect, outline from ASCS  
aerial photo  
Date completed: 11/04/87

# SAND LAKE



<b>Habitat Codes</b> (given as a three character code: <u>Habitat</u> / <u>Substrate</u> / <u>Hard Cover</u> )		
<u>Habitat:</u>	<u>Substrate:</u>	<u>Hard Cover Rating:</u>
W = Woody debris	M = Mud or silt	0 = 0% woody debris and no docks.
E = Emergent vegetation	C = Clay	1 = 0% woody debris with docks or 1-33% woody debris.
R = Rip rap	S = Sand	2 = 1-33% woody debris with many docks or 34-66% woody debris.
O = Open area	G = Gravel	3 = 34-66% woody debris with many docks or greater than 67% woody debris.
D = Docks	B = Rock or boulder	
T = Retaining wall or dam face	U = Unknown	
U = Unknown		

Information compiled by the Illinois Natural History Survey, completed 10/29/86

# SAUK TRAIL

County: HENRY  
 Latitude: 412004  
 Longitude: 895249

Township: T16N  
 Range: R5E  
 Section: 26,35

IDOC Region: 1  
 IDOC District: 2  
 IDOC Lake Number: 7  
 STORET Code: RP-A01-D  
 IDOC Lake Class: ST  
 Lake Origin: AA  
 Natural Division: 4C

Surface Area (ha): 21.0  
 Surface Area (acres): 50.4  
 Mean Depth (m): 2.33  
 Maximum Depth (m): 6.1  
 Shore Length (km): 3.42  
 Shoreline Dev. Index: 2.1

Year Constructed: 1956

USGS 7.5' Quad: KEWANEE N  
 Major River Basin: ROCK  
 Inflowing Stream: UNNAMED TRIB  
 Outflowing Stream: TRIB>MUD CR>GREEN R>ROCK R

Watershed Area (ha): 1554  
 Storage Cap. (1000 m<sup>3</sup>): 488.27  
 Retention Time (yrs): 0.8  
 Volume Dev. Index: 1.14

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 53  
 Conductivity (umhos): 361  
 Total Alkalinity (mg/l): 187  
 pH: 7.2

Maximum Length (km): 0.87  
 Maximum Width (km): 0.78  
 Inshore Mean Depth (m): 1.35  
 Pool Elevation (m msl): 216.5

**Climatic Information:**  
 Growing Season (days): 158  
 Growing Deg. Days (50°F base): 3124

## Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
D/G/1	8	8
R/B/0	5	5
W/G/1	87	87

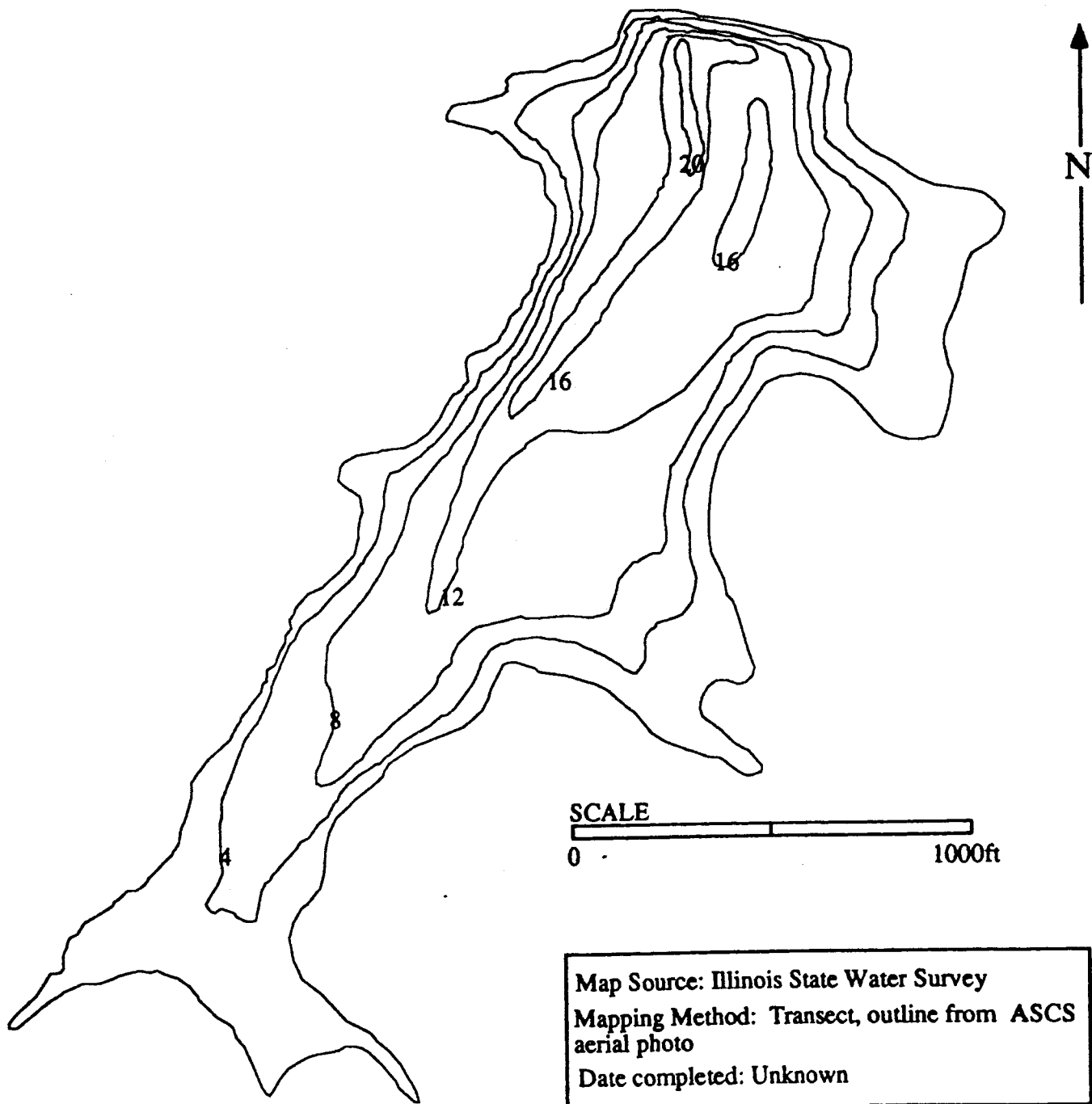
## Fish Species Present in Lake (based on IDOC sampling):

Black Crappie  
 Bluegill  
 Brook Silverside  
 Carp  
 Channel Catfish  
 Emerald Shiner  
 Golden Shiner  
 Green Sunfish  
 Largemouth Bass  
 Muskellunge  
 Redear Sunfish  
 White Crappie  
 Yellow Bullhead

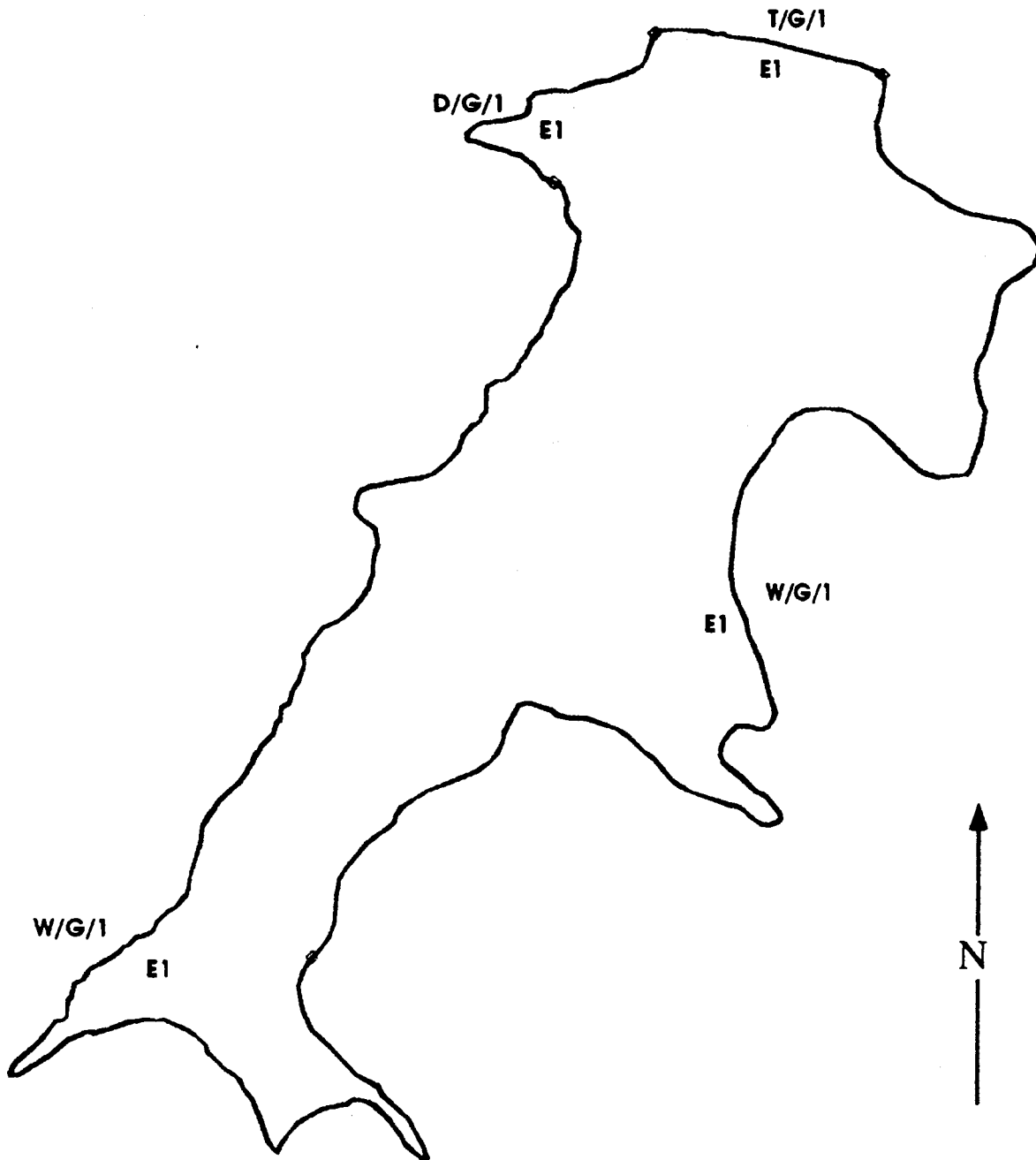
## Notes and Comments:



# SAUK TRAIL



# SAUK TRAIL



<b>Habitat Codes</b> (given as a three character code: <b>Habitat/Substrate/Hard Cover</b> )		
<b>Habitat:</b>	<b>Substrate:</b>	<b>Hard Cover Rating:</b>
W = Woody debris	M = Mud or silt	0 = 0% woody debris and no docks.
E = Emergent vegetation	C = Clay	1 = 0% woody debris with docks or 1-33% woody debris.
R = Rip rap	S = Sand	2 = 1-33% woody debris with many docks or 34-66% woody debris.
O = Open area	G = Gravel	3 = 34-66% woody debris with many docks or greater than 67% woody debris.
D = Docks	B = Rock or boulder	
T = Retaining wall or dam face	U = Unknown	
U = Unknown		

Information compiled by the Illinois Natural History Survey, completed 9/14/88

# SHABBONA LAKE

County: DEKALB  
 Latitude: 414422  
 Longitude: 885122

Township: T38N  
 Range: R3E  
 Section: 27

IDOC Region: 1  
 IDOC District: 1  
 IDOC Lake Number: 14  
 Storet Code: VT-B04-U  
 IDOC Lake Class: ST  
 Lake Origin: AA  
 Natural Division: 4A

Surface Area (ha): 126.8  
 Surface Area (acres): 304.3  
 Mean Depth (m): 4.65  
 Maximum Depth (m): 12.8  
 Shore Length (km): 10.5  
 Shoreline Dev. Index: 2.63

Year Constructed: 1973

USGS 7.5' Quad: SHABBONA GROVE\*/WATERMAN

Major River Basin: ILLINOIS  
 Inflowing Stream: INDIAN CR  
 Outflowing Stream: INDIAN CR>FOX R>IL R

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 153  
 Conductivity (umhos): 513  
 Total Alkalinity (mg/l): 261  
 pH: 8.1

Watershed Area (ha): 5217  
 Storage Cap. (1000 m<sup>3</sup>): 5904.72

Retention Time (yrs): 0.6  
 Volume Dev. Index: 1.09

Maximum Length (km): 1.88  
 Maximum Width (km): 1.92  
 Inshore Mean Depth (m): 1.5  
 Pool Elevation (m msl): 249.9

**Climatic Information:**  
 Growing Season (days): 163  
 Growing Deg. Days (50°F base): 3038

### Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

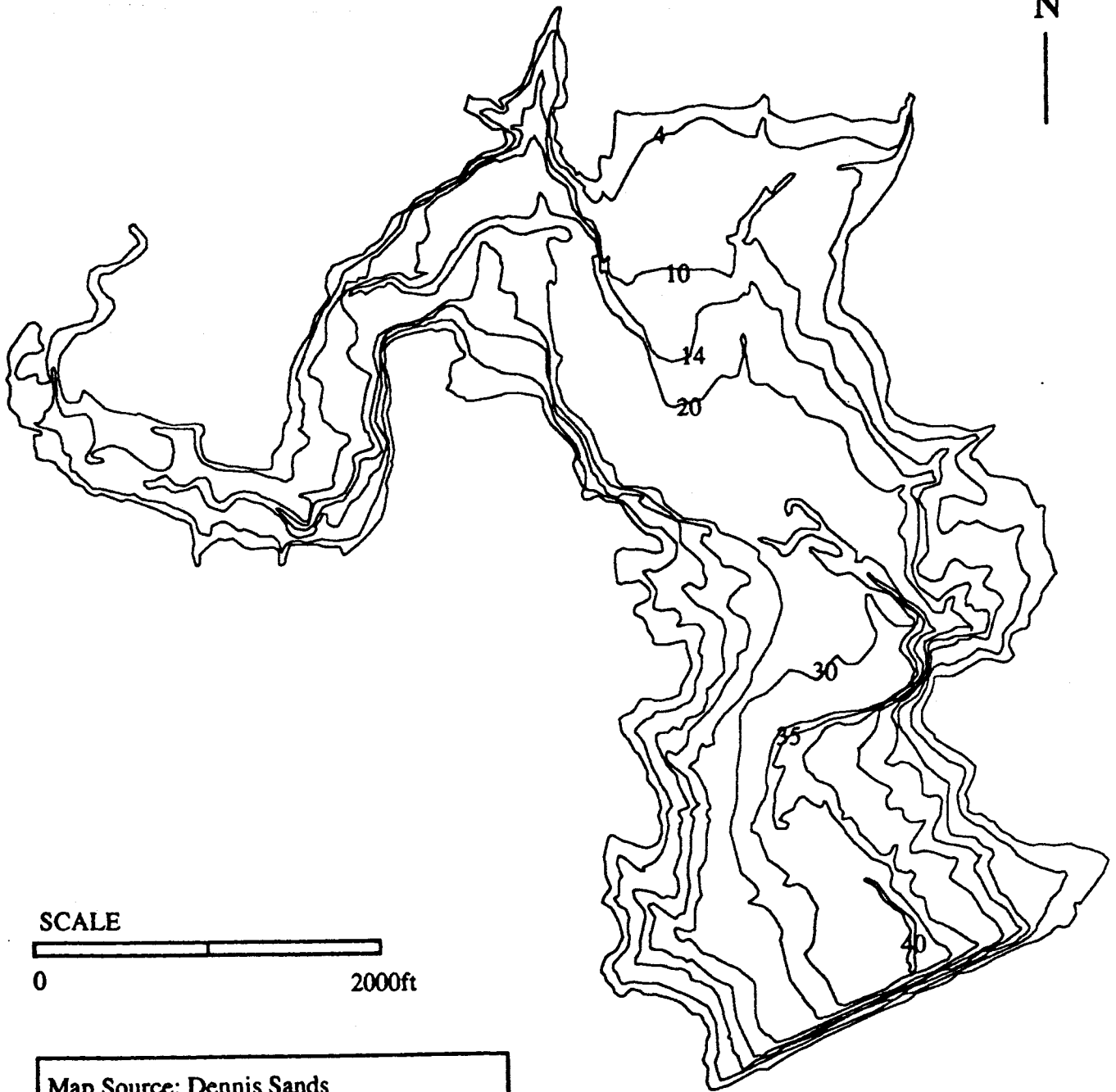
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
E/C/1	6	3
R/B/0	30	24
W/C/2	5	5
W/C/3	42	14
W/C/1	17	10

### Fish Species Present in Lake (based on IDOC sampling):

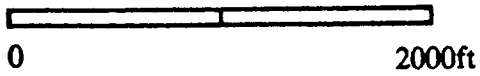
Black Bullhead	Tiger Muskellunge
Black Crappie	Walleye
Bluegill	White Crappie
Brook Silverside	White Sucker
Brown Bullhead	Yellow Bullhead
Channel Catfish	Yellow Perch
Gizzard Shad	
Golden Redhorse	
Golden Shiner	
Green Sunfish	
Largemouth Bass	
Muskellunge	

**Notes and Comments:**

# SHABBONA LAKE

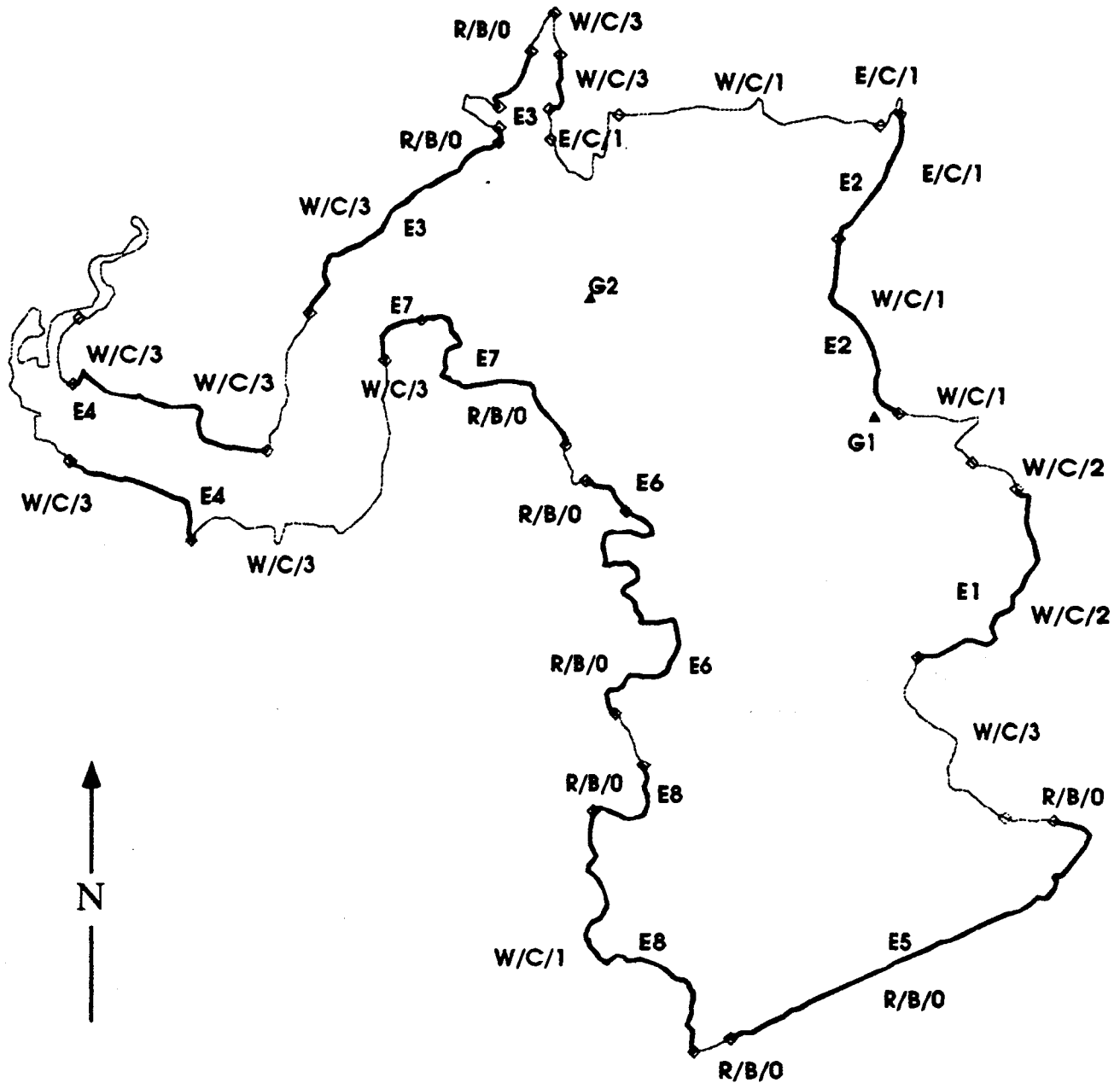


SCALE



Map Source: Dennis Sands  
Mapping Method: Pre-impoundment study  
Date completed: 3/8/74

# SHABBONA LAKE



Habitat Codes (given as a three character code: Habitat/Substrate/Hard Cover)		
<b>Habitat:</b>	<b>Substrate:</b>	<b>Hard Cover Rating:</b>
W = Woody debris	M = Mud or silt	0 = 0% woody debris and no docks.
E = Emergent vegetation	C = Clay	1 = 0% woody debris with docks or 1-33% woody debris.
R = Rip rap	S = Sand	2 = 1-33% woody debris with many docks or 34-66% woody debris.
O = Open area	G = Gravel	3 = 34-66% woody debris with many docks or greater than 67% woody debris.
D = Docks	B = Rock or boulder	
T = Retaining wall or dam face	U = Unknown	
U = Unknown		

Information compiled by the Illinois Natural History Survey, completed 5/24/88

# SPORTSMEN'S LAKE

## (Kickapoo State Park)

County: VERMILLION  
 Latitude: 400820  
 Longitude: 874430

Township: T20N  
 Range: R12W  
 Section: 32

Year Constructed: 1953

USGS 7.5' Quad: DANVILLE NW  
 Major River Basin: WABASH  
 Inflowing Stream: NONE  
 Outflowing Stream: NONE

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm):  
 Conductivity (umhos):  
 Total Alkalinity (mg/l):  
 pH:

IDOC Region: 3  
 IDOC District: 8  
 IDOC Lake Number: 98  
 STORET Code:  
 IDOC Lake Class: ST  
 Lake Origin:  
 Natural Division: 4A

Surface Area (ha): 14.4  
 Surface Area (acres): 34.7  
 Mean Depth (m): 5.64  
 Maximum Depth (m): 15.54  
 Shore Length (km): 6.77  
 Shoreline Dev. Index: 5.03

Watershed Area (ha): 73  
 Storage Cap. (1000 m<sup>3</sup>): 812.34  
 Retention Time (yrs):  
 Volume Dev. Index: 1.08

Maximum Length (km):  
 Maximum Width (km):  
 Inshore Mean Depth (m):  
 Pool Elevation (m msl): 170.4

**Climatic Information:**  
 Growing Season (days):  
 Growing Deg. Days (50°F base):

### Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
O/C/0	94	19
W/C/1	6	4

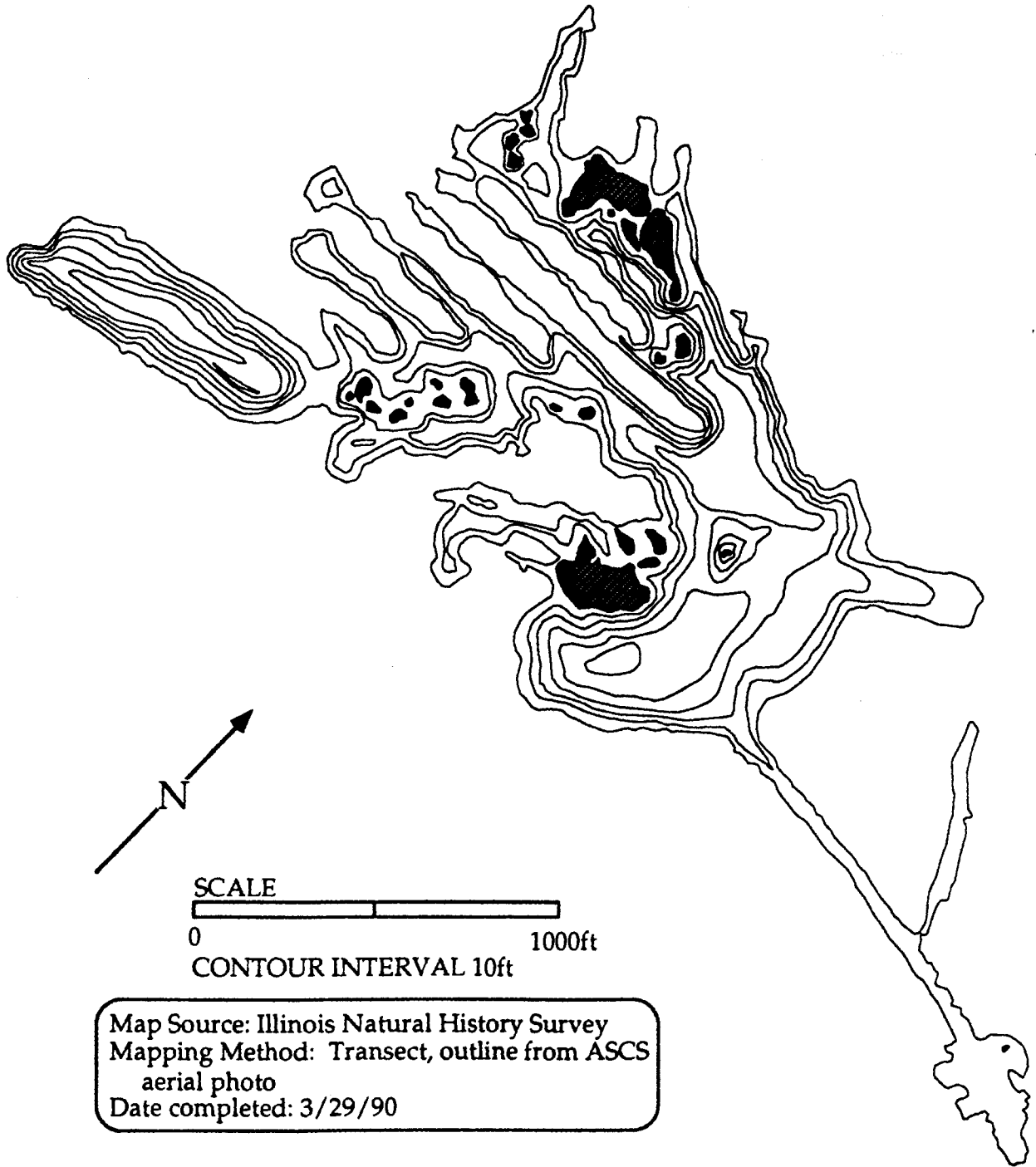
### Fish Species Present in Lake (based on IDOC sampling):

Bluegill  
 Blackstripe Topminnow  
 Bluntnose Minnow  
 Brook Silverside  
 Carp  
 Channel Catfish  
 Grass Pickerel  
 Green Sunfish  
 Gizzard Shad  
 Largemouth Bass  
 Longear Sunfish  
 Redear Sunfish  
 Warmouth  
 White Crappie

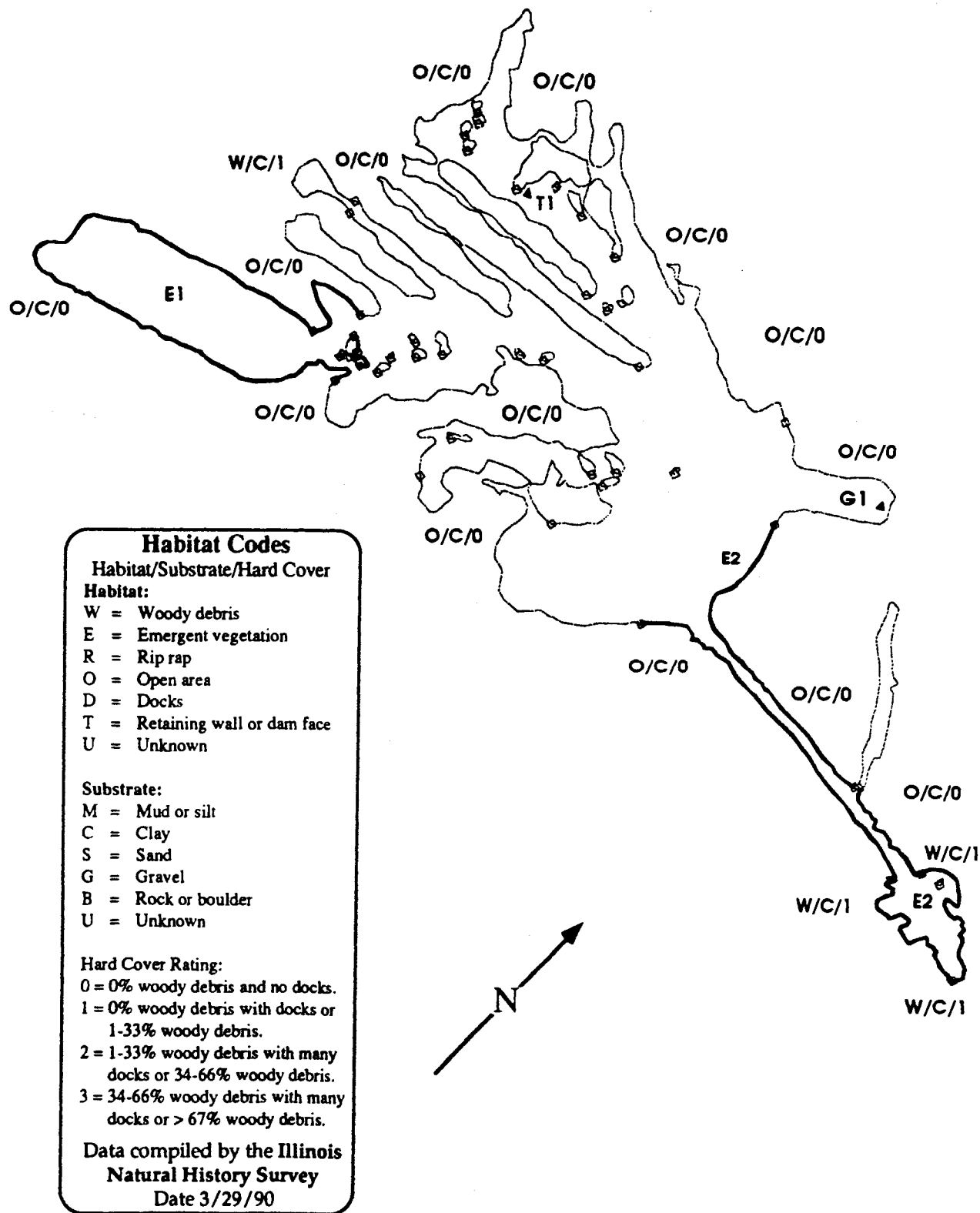
**Notes and Comments:**



# SPORTSMANS LAKE



# SPORTSMANS LAKE



# SPRING LAKE (NORTH)

County: TAZEWELL  
 Latitude: 402834  
 Longitude: 895101

Township: T23N  
 Range: R7W  
 Section: 16

IDOC Region: 1  
 IDOC District: 4  
 IDOC Lake Number: 40  
 Storet Code: RD-B05-Q  
 IDOC Lake Class: ST  
 Lake Origin: NR  
 Natural Division: 5A

Surface Area (ha): 194.1  
 Surface Area (acres): 465.9  
 Mean Depth (m): 54  
 Maximum Depth (m): 2.65  
 Shore Length (km): 19.82  
 Shoreline Dev. Index: 4.01

Year Constructed: 1918

USGS 7.5' Quad: GLADSFORD/MANITO  
 Major River Basin: ILLINOIS  
 Inflowing Stream: SPRING FED  
 Outflowing Stream: RUNOFF TO IL R

**Typical Water Chemistry:**

Secchi Disk Depth (cm): 107  
 Conductivity (umhos): 252  
 Total Alkalinity (mg/l): 118  
 pH: 8.9

Watershed Area (ha): 256  
 Storage Cap. (1000 m<sup>3</sup>): 1048.82  
 Retention Time (yrs):  
 Volume Dev. Index: 0.61

Maximum Length (km): 5.84  
 Maximum Width (km): 6.11  
 Inshore Mean Depth (m): 0.56  
 Pool Elevation (m msl): 132.3

**Climatic Information:**

Growing Season (days): 180  
 Growing Deg. Days (50°F base): 3551

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

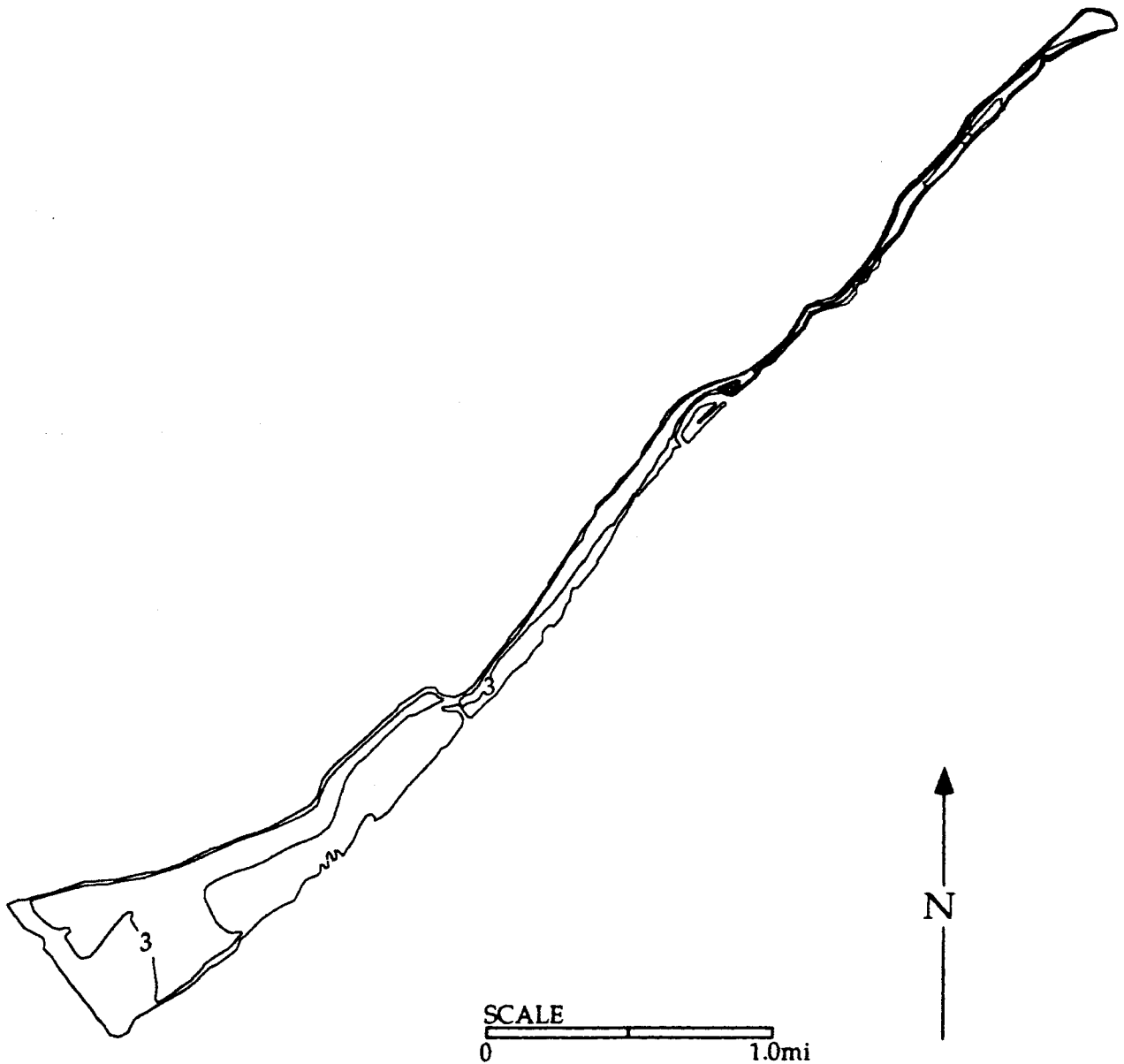
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
E/G/1	95	28
R/B/0	5	5

**Fish Species Present in Lake (based on IDOC sampling):**

Black Bullhead	Green Sunfish X Bluegill
Black Crappie	Largemouth Bass
Bluegill	Muskellunge
Bluegill X Redear	Redear Sunfish
Brown Bullhead	Warmouth
Carp	White Crappie
Channel Catfish	Yellow Bullhead
Fathead Minnow	
Gizzard Shad	
Golden Shiner	
Grass Pickerel	
Green Sunfish	

**Notes and Comments:**

# SPRING LAKE (NORTH)



Map Source: Illinois Dept. of Conservation  
Mapping Method: Transect, outline from IDOC  
aerial photo  
Date completed: 1980

# SPRING LAKE (NORTH)

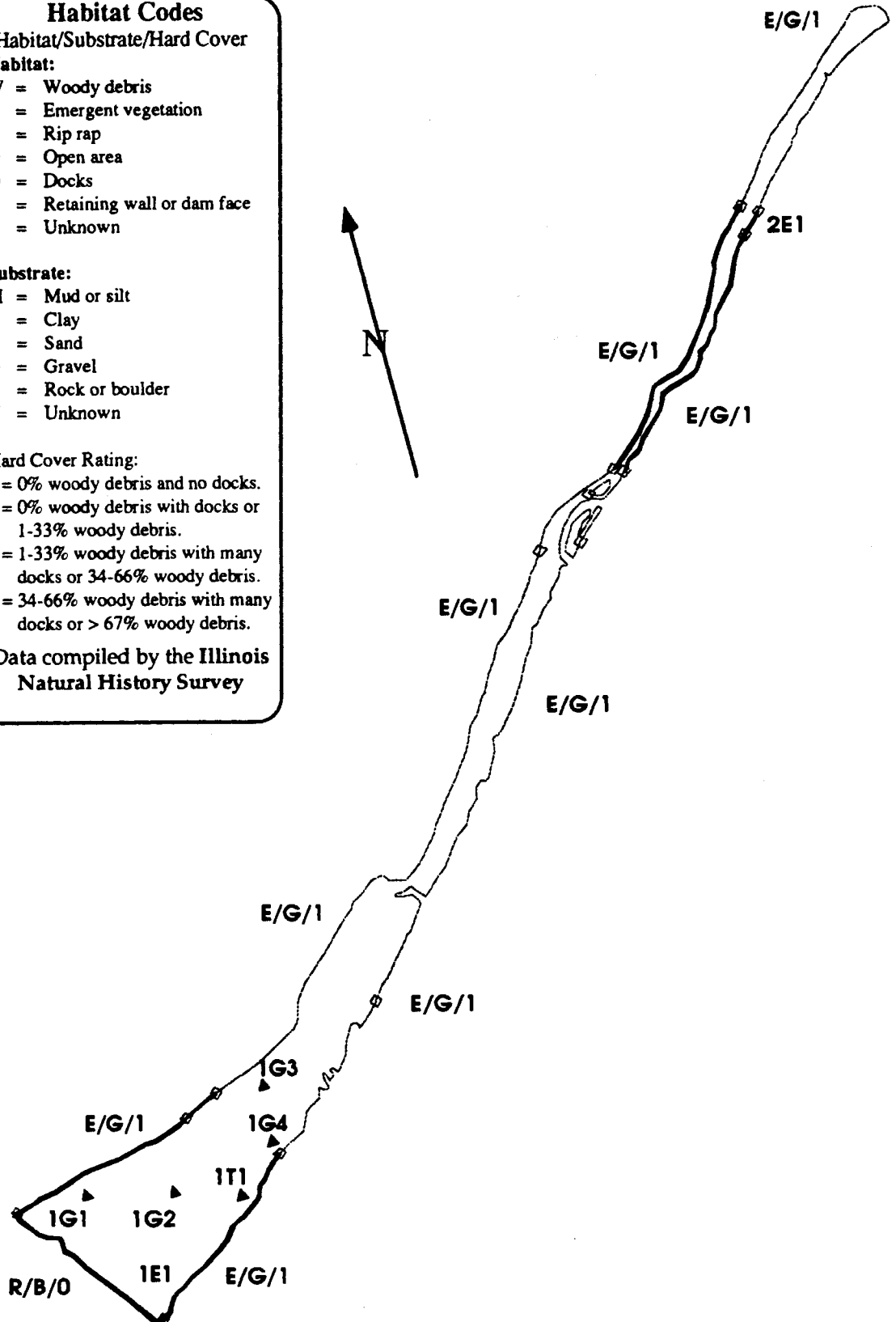
**Habitat Codes**  
 Habitat/Substrate/Hard Cover

**Habitat:**  
 W = Woody debris  
 E = Emergent vegetation  
 R = Rip rap  
 O = Open area  
 D = Docks  
 T = Retaining wall or dam face  
 U = Unknown

**Substrate:**  
 M = Mud or silt  
 C = Clay  
 S = Sand  
 G = Gravel  
 B = Rock or boulder  
 U = Unknown

**Hard Cover Rating:**  
 0 = 0% woody debris and no docks.  
 1 = 0% woody debris with docks or 1-33% woody debris.  
 2 = 1-33% woody debris with many docks or 34-66% woody debris.  
 3 = 34-66% woody debris with many docks or > 67% woody debris.

Data compiled by the Illinois Natural History Survey



# SPRING LAKE (SOUTH)

County: TAZEWELL  
 Latitude: 402701  
 Longitude: 895340

Township: T23N  
 Range: R7W  
 Section: 10,9

IDOC Region: 1  
 IDOC District: 4  
 IDOC Lake Number: 465  
 Storet Code: RD-B05-Q  
 IDOC Lake Class: ST  
 Lake Origin: NR  
 Natural Division: 5A

Surface Area (ha): 277.9  
 Surface Area (acres): 667.0  
 Mean Depth (m): 1.146  
 Maximum Depth (m): 2.134  
 Shore Length (km): 8.303  
 Shoreline Dev. Index: 1.4

Year Constructed: 1918

USGS 7.5' Quad: DUCK ISLAND\*  
 Major River Basin: ILLINOIS  
 Inflowing Stream: SPRING FED  
 Outflowing Stream: LEVEED OFF FROM RIVER

Typical Water Chemistry:  
 Secchi Disk Depth (cm): 50  
 Conductivity (umhos): 298  
 Total Alkalinity (mg/l): 151  
 pH: 8.5

Watershed Area (ha): 325  
 Storage Cap. (1000 m<sup>3</sup>): 3188.66  
 Retention Time (yrs):  
 Volume Dev. Index: 1.61

Maximum Length (km): 3.07  
 Maximum Width (km): 3.75  
 Inshore Mean Depth (m): 0.6  
 Pool Elevation (m msl): 132.3

Climatic Information:  
 Growing Season (days): 180  
 Growing Deg. Days (50°F base): 3551

## Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
E/G/0	92	64
R/B/0	8	8

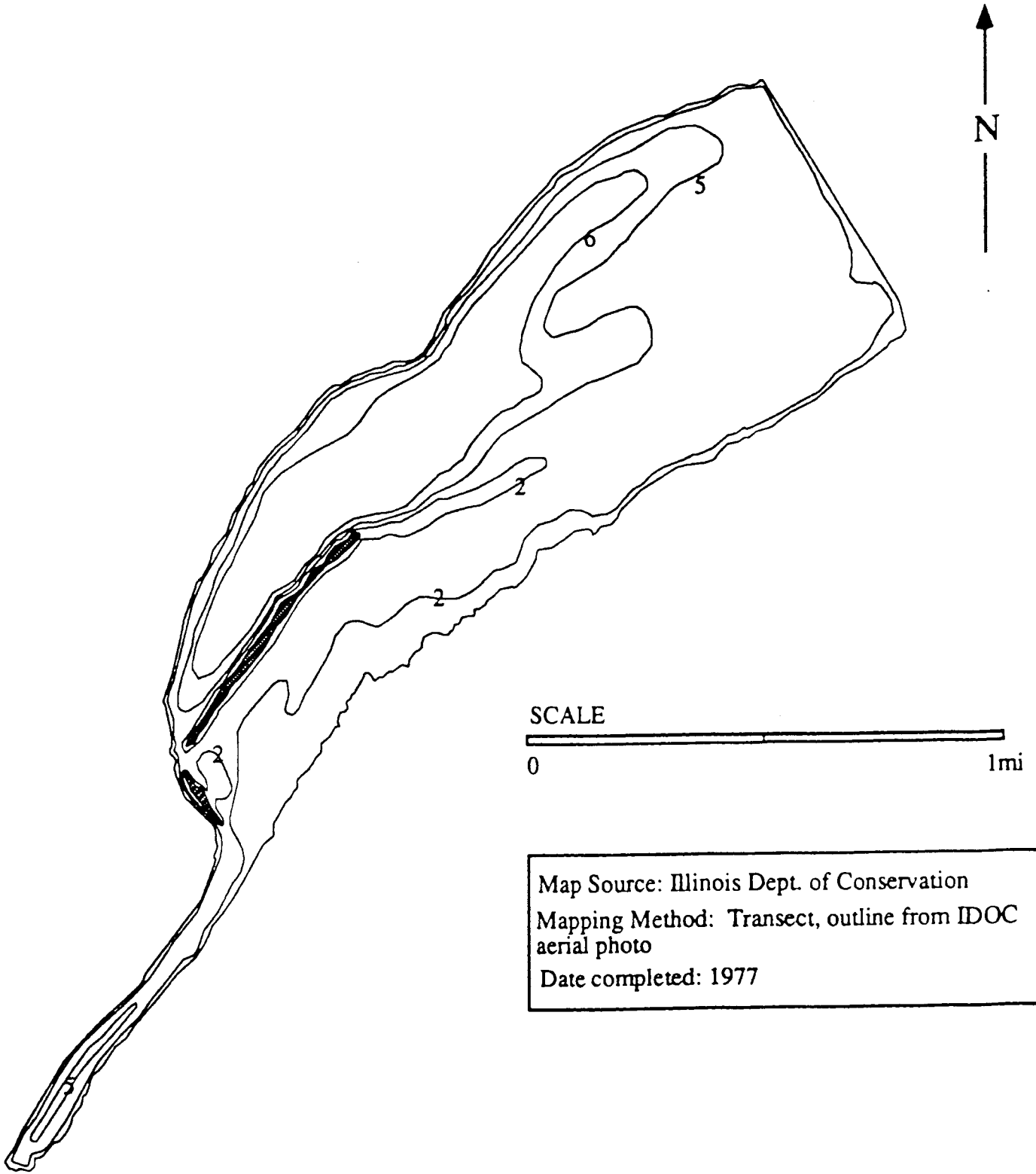
## Fish Species Present in Lake (based on IDOC sampling):

Black Bullhead	Mosquitofish
Black Crappie	Northern Pike
Bluegill	Redear Sunfish
Bluegill X Redear	Yellow Bullhead
Brook Silverside	
Channel Catfish	
Fathead Minnow	
Freshwater Drum	
Gizzard Shad	
Green Sunfish	
Green Sunfish X Bluegill	
Largemouth Bass	

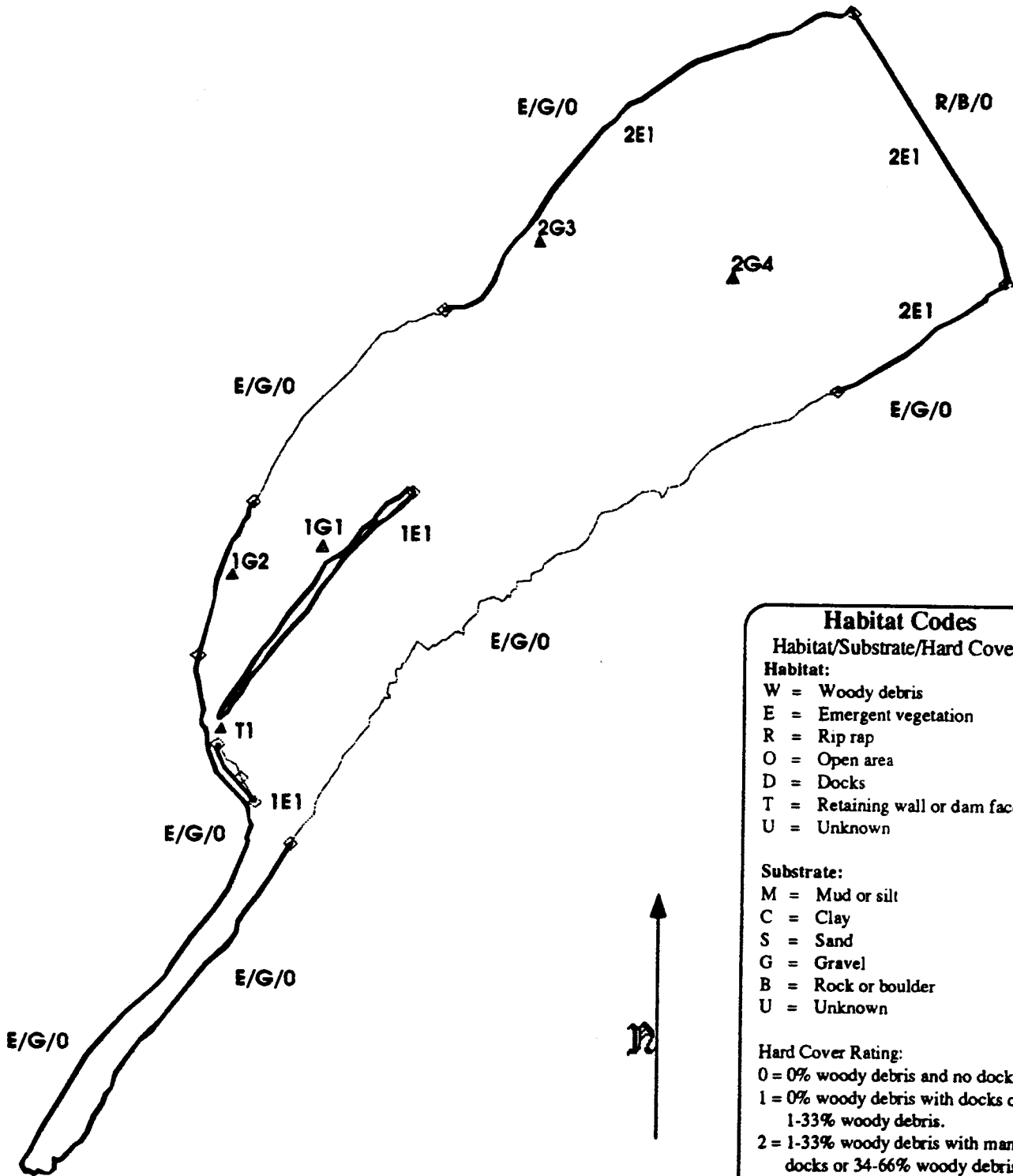
**Notes and Comments:**



# SPRING LAKE (SOUTH)



# SPRING LAKE (SOUTH)



**Habitat Codes**

Habitat/Substrate/Hard Cover

**Habitat:**

- W = Woody debris
- E = Emergent vegetation
- R = Rip rap
- O = Open area
- D = Docks
- T = Retaining wall or dam face
- U = Unknown

**Substrate:**

- M = Mud or silt
- C = Clay
- S = Sand
- G = Gravel
- B = Rock or boulder
- U = Unknown

**Hard Cover Rating:**

- 0 = 0% woody debris and no docks.
- 1 = 0% woody debris with docks or 1-33% woody debris.
- 2 = 1-33% woody debris with many docks or 34-66% woody debris.
- 3 = 34-66% woody debris with many docks or > 67% woody debris.

Data compiled by the Illinois  
Natural History Survey  
Date

# STERLING LAKE

## (Lake County Forest Preserve District)

County: LAKE  
 Latitude: 422826  
 Longitude: 875628

Township: T46N  
 Range: R22E  
 Section: 10

IDOC Region: 2  
 IDOC District: 6  
 IDOC Lake Number: 555  
 STORET Code:  
 IDOC Lake Class: PC  
 Lake Origin: AQ  
 Natural Division: 3A

Surface Area (ha): 28.6  
 Surface Area (acres): 68.5  
 Mean Depth (m): 4.37  
 Maximum Depth (m): 7.01  
 Shore Length (km): 3.73  
 Shoreline Dev. Index: 1.96

Year Constructed:

USGS 7.5' Quad: WADSWORTH\*  
 Major River Basin: DES PLAINES  
 Inflowing Stream: NONE  
 Outflowing Stream: NONE

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 137  
 Conductivity (umhos): 625  
 Total Alkalinity (mg/l): 150  
 pH: 8.0

Growing Season (days): 175

Watershed Area (ha): 72  
 Storage Cap. (1000 m<sup>3</sup>): 1249.04  
 Retention Time (yrs): 8.5  
 Volume Dev. Index: 1.87

Maximum Length (km): 1.29  
 Maximum Width (km): 0.91  
 Inshore Mean Depth (m): 4.95  
 Pool Elevation (m msl): 202.7

**Climatic Information:**

Growing Deg. Days (50°F base): 2755

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

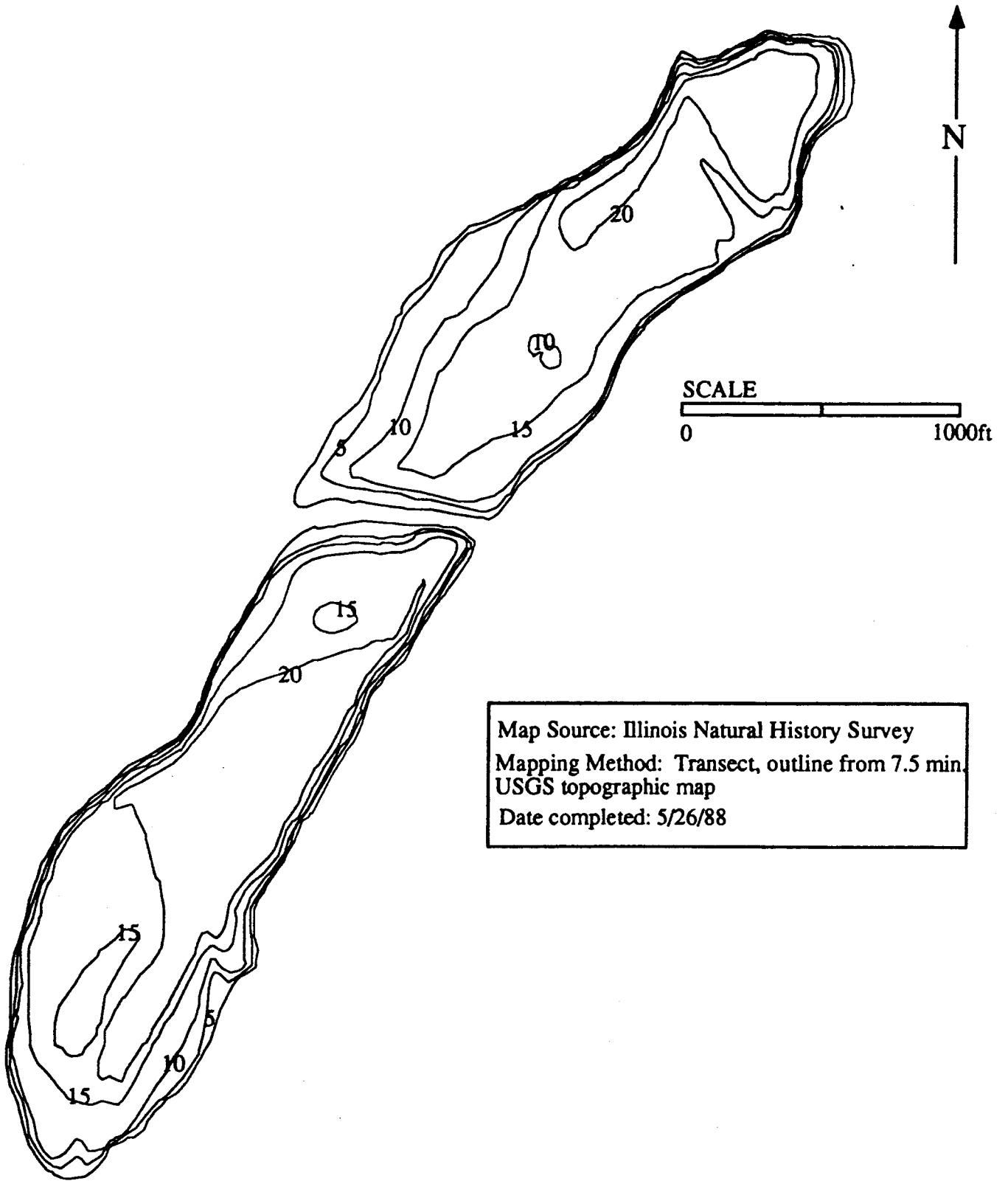
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
O/C/0	50	52
W/C/1	39	35
W/G/1	11	5

**Fish Species Present in Lake (based on IDOC sampling):**

Black Bullhead	Muskellunge
Black Crappie	Northern Pike
Bluegill	Pumpkinseed
Bluntnose Minnow	Sand Shiner
Bowfin	Smallmouth Bass
Carp	Spotfin Shiner
Carp X Goldfish	Spotted Sucker
Channel Catfish	Walleye
Emerald Shiner	White Sucker
Golden Shiner	Yellow Bullhead
Green Sunfish	Yellow Perch
Green Sunfish X Bluegill	
Johnny Darter	
Largemouth Bass	

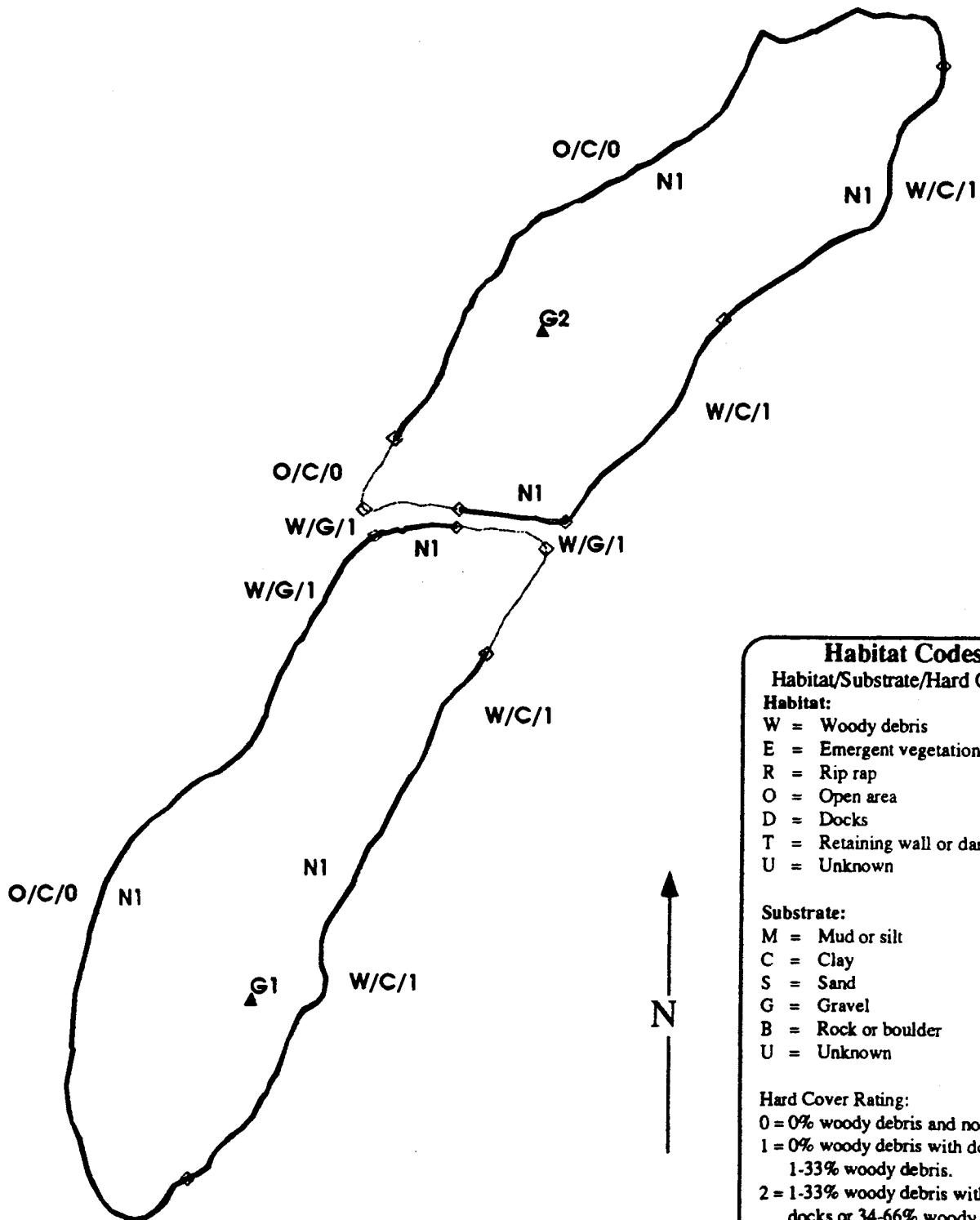
**Notes and Comments:**

# STERLING LAKE



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from 7.5 min. USGS topographic map  
Date completed: 5/26/88

# STERLING LAKE



**Habitat Codes**

**Habitat/Substrate/Hard Cover**

**Habitat:**  
W = Woody debris  
E = Emergent vegetation  
R = Rip rap  
O = Open area  
D = Docks  
T = Retaining wall or dam face  
U = Unknown

**Substrate:**  
M = Mud or silt  
C = Clay  
S = Sand  
G = Gravel  
B = Rock or boulder  
U = Unknown

**Hard Cover Rating:**  
0 = 0% woody debris and no docks.  
1 = 0% woody debris with docks or 1-33% woody debris.  
2 = 1-33% woody debris with many docks or 34-66% woody debris.  
3 = 34-66% woody debris with many docks or > 67% woody debris.

Data compiled by the Illinois  
Natural History Survey  
Date

# LAKE SUMMERSET

County: WINNEBAGO  
 Latitude: 422654  
 Longitude: 892305

Township: T28N  
 Range: R10E,R9  
 Section: 6,1

IDOC Region: 1  
 IDOC District: 1  
 IDOC Lake Number:  
 Storet Code: RP-A06-I  
 IDOC Lake Class: OR  
 Lake Origin: AA  
 Natural Division: 2A

Surface Area (ha): 108.5  
 Surface Area (acres): 260.5  
 Mean Depth (m): 3.87  
 Maximum Depth (m): 10.06  
 Shore Length (km): 8.99  
 Shoreline Dev. Index: 2.43

Year Constructed: 1969

USGS 7.5' Quad: DAVIS  
 Major River Basin: ROCK  
 Inflowing Stream: SBR OTTER CR  
 Outflowing Stream: SAME<SUGR R<PECATONICA R<ROCK

Watershed Area (ha): 1821  
 Storage Cap. (1000 m<sup>3</sup>): 4205.53  
 Retention Time (yrs): 1.9  
 Volume Dev. Index: 1.15

**Typical Water Chemistry:**

Secchi Disk Depth (cm): 137  
 Conductivity (umhos): 225  
 Total Alkalinity (mg/l): 248  
 pH: 8.0

Maximum Length (km): 1.33  
 Maximum Width (km): 2.83  
 Inshore Mean Depth (m): 1.2  
 Pool Elevation (m msl): 251.5

**Climatic Information:**

Growing Season (days): 152  
 Growing Deg. Days (50°F base): 2813

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

<u>Habitat Type</u>	<u>Percent of Total Shoreline</u>	<u>Percent of Total Shoreline Sampled by Electrofishing</u>
E/S/1	7	7
R/B/0	6	
W/G/1	87	38

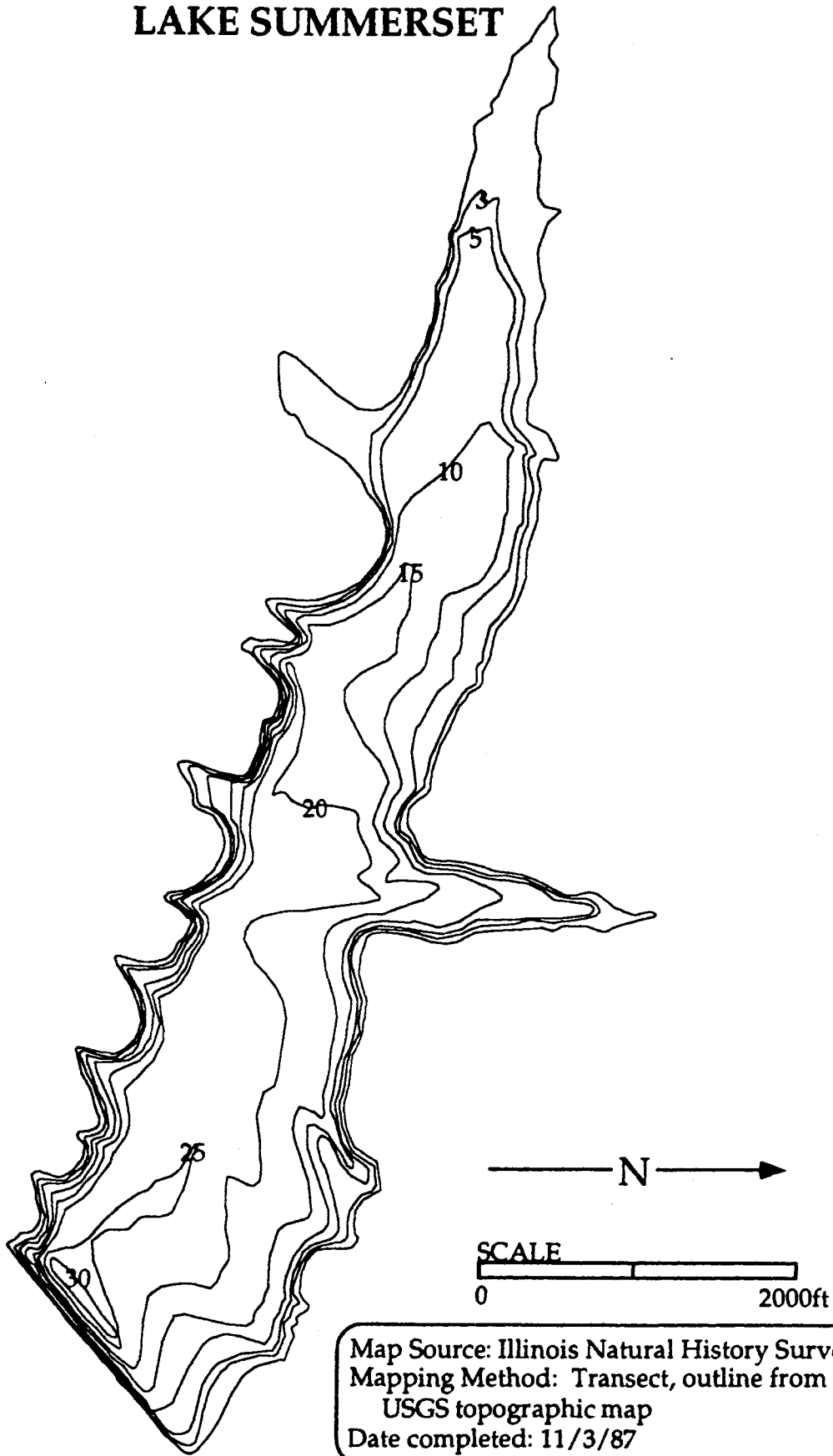
**Fish Species Present in Lake (based on IDOC sampling):**

Black Crappie  
 Bluegill  
 Carp  
 Largemouth Bass  
 Northern Pike  
 Walleye  
 Yellow Bullhead

**Notes and Comments:**



# LAKE SUMMERSET



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from 7.5 min.  
USGS topographic map  
Date completed: 11/3/87

# LAKE SUMMERSET

**Habitat Codes**

**Habitat/Substrate/Hard Cover**

**Habitat:**

- W = Woody debris
- E = Emergent vegetation
- R = Rip rap
- O = Open area
- D = Docks
- T = Retaining wall or dam face
- U = Unknown

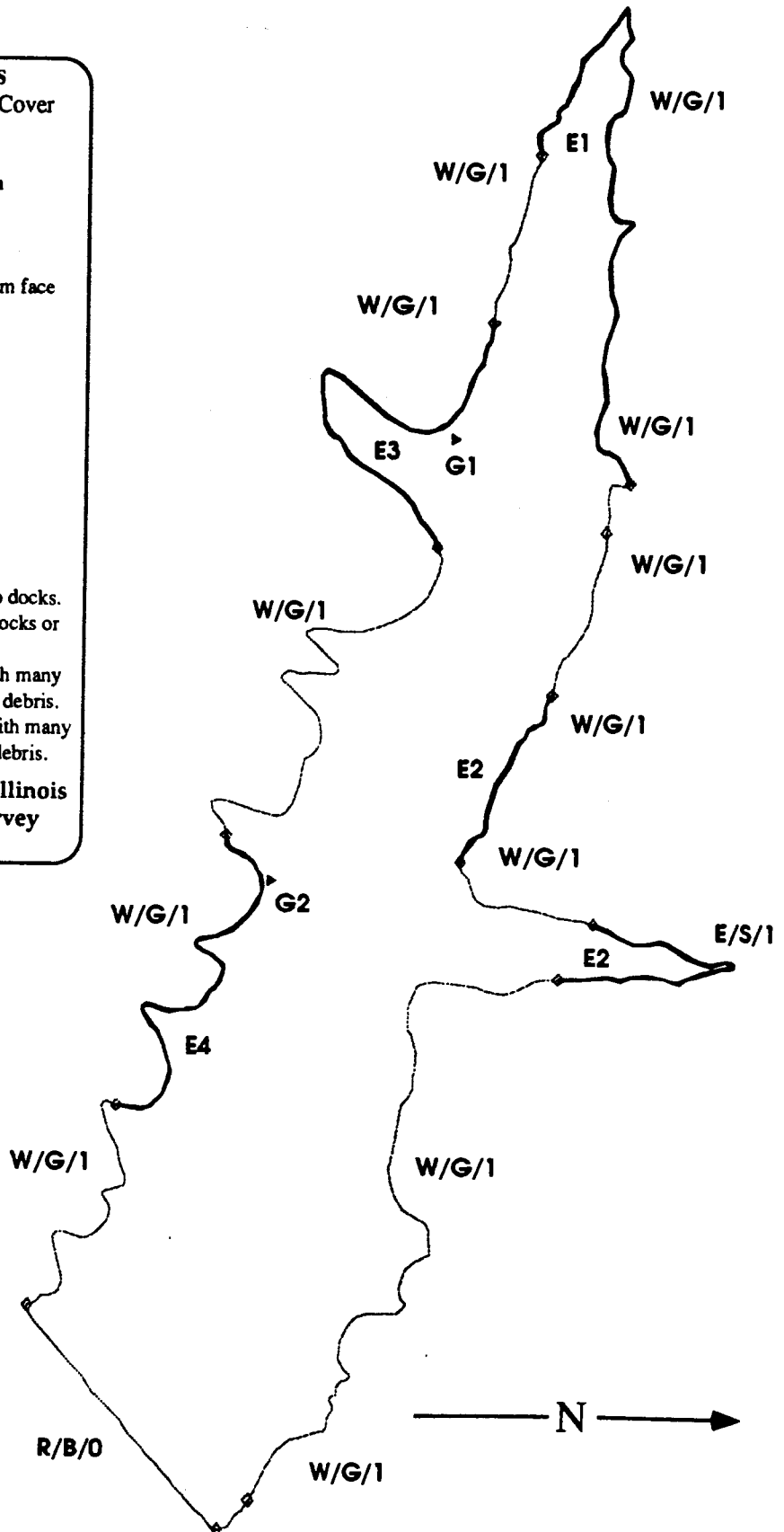
**Substrate:**

- M = Mud or silt
- C = Clay
- S = Sand
- G = Gravel
- B = Rock or boulder
- U = Unknown

**Hard Cover Rating:**

- 0 = 0% woody debris and no docks.
- 1 = 0% woody debris with docks or 1-33% woody debris.
- 2 = 1-33% woody debris with many docks or 34-66% woody debris.
- 3 = 34-66% woody debris with many docks or > 67% woody debris.

Data compiled by the Illinois Natural History Survey  
Date 11/3/87



# LAKE TAMPIER

## (Cook County Forest Preserve District)

County: COOK  
 Latitude: 415346  
 Longitude: 875442

IDOC Region: 2  
 IDOC District: 6  
 IDOC Lake Number: 88  
 STORET Code: RG-B03ZO  
 IDOC Lake Class: PU  
 Lake Origin: AD  
 Natural Division: 3A

Surface Area (ha): 49.1  
 Surface Area (acres): 117.8  
 Mean Depth (m): 2.081  
 Maximum Depth (m): 4.57  
 Shore Length (km): 5.347  
 Shoreline Dev. Index: 2.15

Year Constructed: 1964

Watershed Area (ha): 627  
 Storage Cap. (1000 m<sup>3</sup>): 1021.81  
 Retention Time (yrs): 0.7  
 Volume Dev. Index: 1.36

USGS 7.5' Quad: SAG BRIDGE  
 Major River Basin: DES PLAINES  
 Inflowing Stream: INT  
 Outflowing Stream: INT>LONG RUN CR>CHI DR CAN>ILL

Maximum Length (km): 1.235  
 Maximum Width (km): 0.743  
 Inshore Mean Depth (m): 1.9  
 Pool Elevation (m msl): 207.3

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 76.2  
 Conductivity (umhos): 761  
 Total Alkalinity (mg/l): 126  
 pH: 8.3

**Climatic Information:**  
 Growing Season (days): 165  
 Growing Deg. Days (50°F base): 2996

### Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

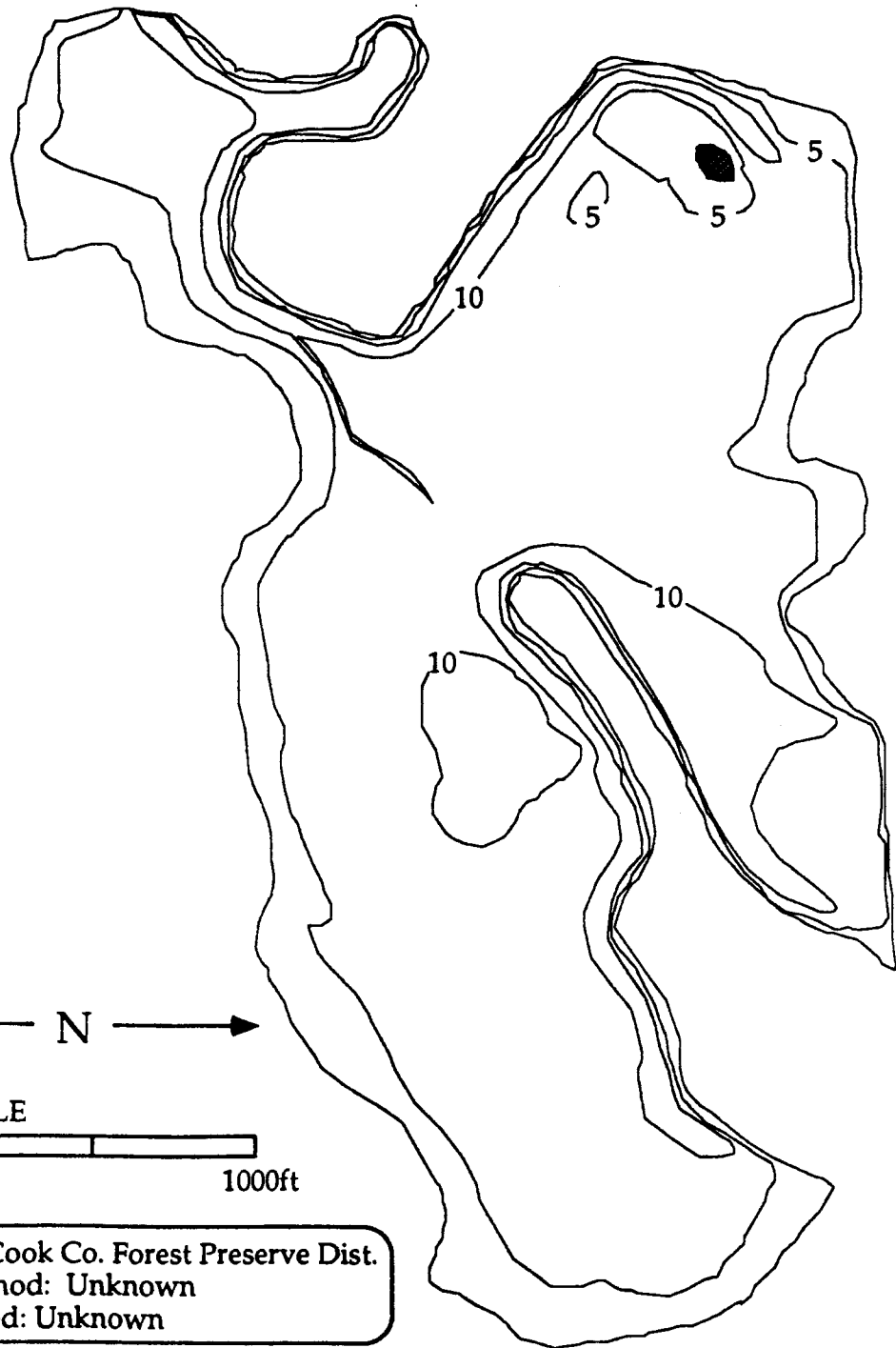
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
E/C/0	1	1
O/C/0	26	20
O/S/0	2	2
R/B/0	59	56
T/U/0	1	1
W/C/1	11	10

### Fish Species Present in Lake (based on IDOC sampling):

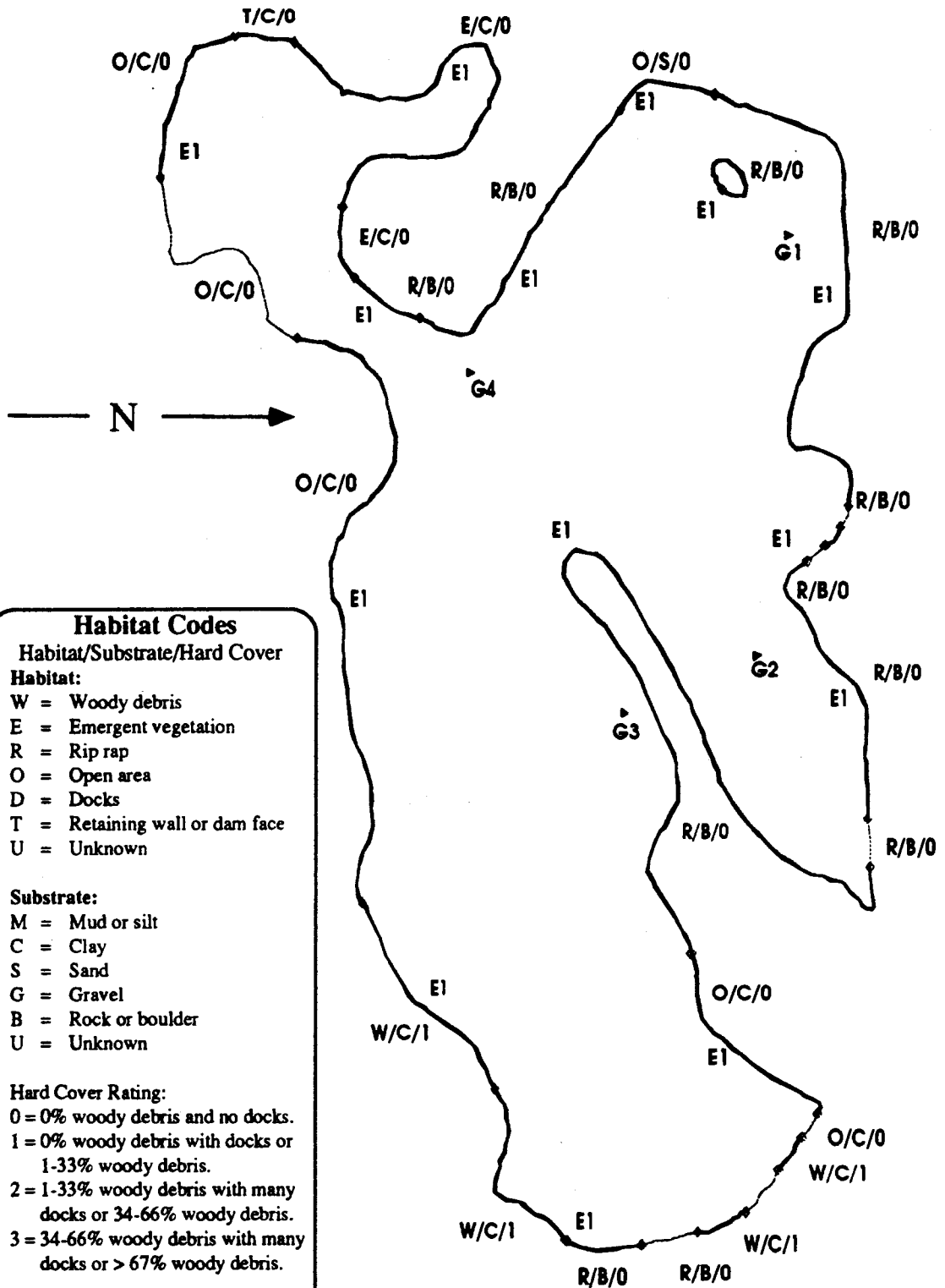
N/A

**Notes and Comments:**

# LAKE TAMPIER



# LAKE TAMPIER



**Habitat Codes**  
Habitat/Substrate/Hard Cover

**Habitat:**  
W = Woody debris  
E = Emergent vegetation  
R = Rip rap  
O = Open area  
D = Docks  
T = Retaining wall or dam face  
U = Unknown

**Substrate:**  
M = Mud or silt  
C = Clay  
S = Sand  
G = Gravel  
B = Rock or boulder  
U = Unknown

**Hard Cover Rating:**  
0 = 0% woody debris and no docks.  
1 = 0% woody debris with docks or 1-33% woody debris.  
2 = 1-33% woody debris with many docks or 34-66% woody debris.  
3 = 34-66% woody debris with many docks or > 67% woody debris.

Data compiled by the Illinois Natural History Survey

# TOWER LAKE

County: LAKE  
 Latitude: 421402  
 Longitude: 880921

Township: T43N  
 Range: R9E  
 Section: 2

IDOC Region: 2  
 IDOC District: 6  
 IDOC Lake Number:  
 Storet Code: RT-B01ZF  
 IDOC Lake Class: PR  
 Lake Origin: NG  
 Natural Division: 3A

Surface Area (ha): 26.3  
 Surface Area (acres): 63.0  
 Mean Depth (m): 1.06  
 Maximum Depth (m): 1.98  
 Shore Length (km): 5.29  
 Shoreline Dev. Index: 2.91

Year Constructed: 1915

USGS 7.5' Quad: BARRINGTON\*  
 Major River Basin: FOX  
 Inflowing Stream: TRIB/MARSH  
 Outflowing Stream: SAME>FOX R

Typical Water Chemistry:  
 Secchi Disk Depth (cm): 31  
 Conductivity (umhos): 600  
 Total Alkalinity (mg/l): 171  
 pH: 8.6

Watershed Area (ha): 156  
 Storage Cap. (1000 m<sup>3</sup>): 277.93  
 Retention Time (yrs): 0.9  
 Volume Dev. Index: 1.6

Maximum Length (km): 0.99  
 Maximum Width (km): 0.9  
 Inshore Mean Depth (m): 1.05  
 Pool Elevation (m msl): 228.0

Climatic Information:  
 Growing Season (days): 158  
 Growing Deg. Days (50°F base): 2694

## Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
O/G/0	6	5
O/S/0	1	1
O/C/0	23	5
R/B/0	21	10
R/G/0	22	7
T/C/0	5	4
W/C/1	13	2
W/G/2	9	2

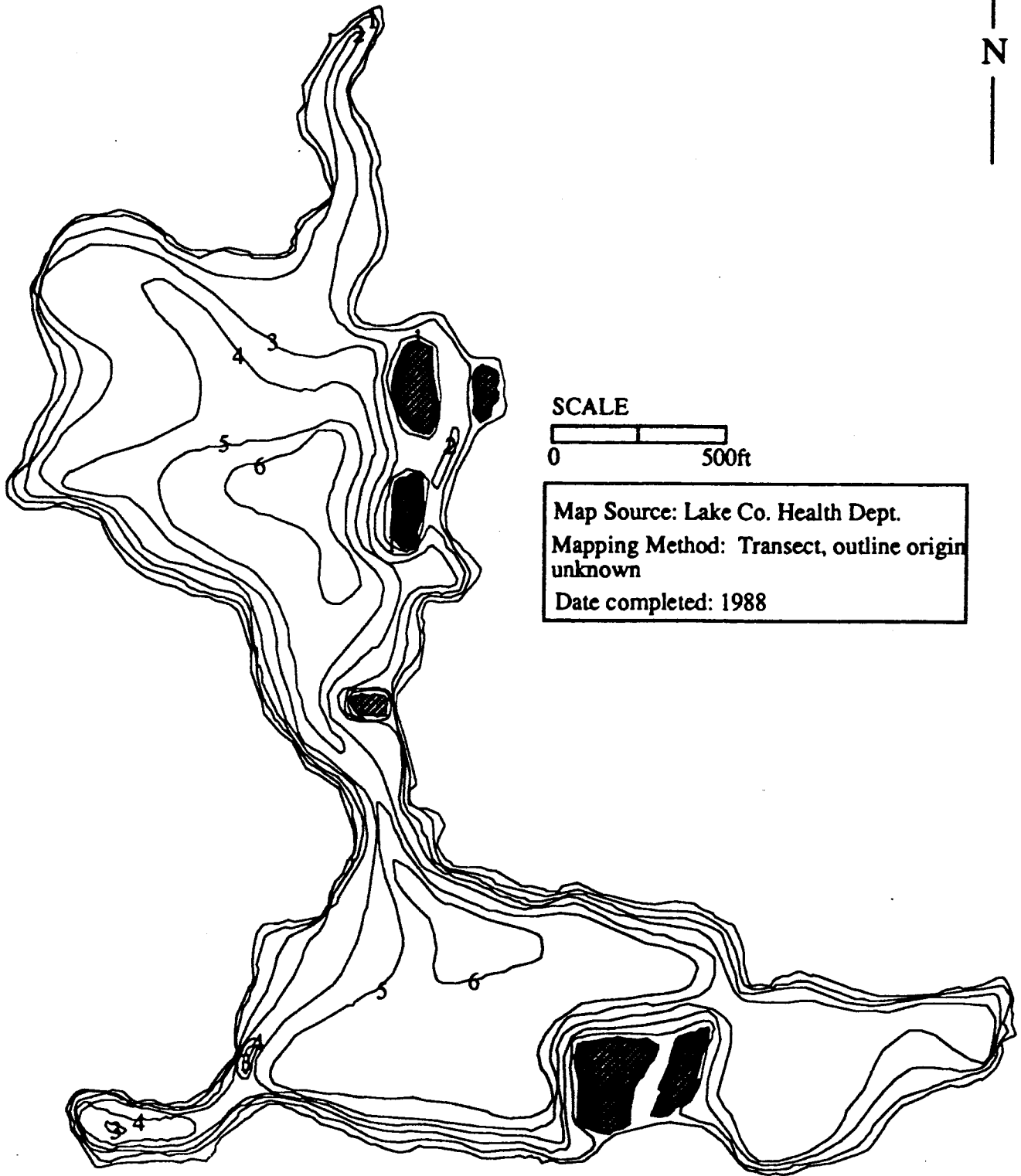
### Fish Species Present in Lake (based on IDOC sampling):

Black Bullhead  
 Black Crappie  
 Bluegill  
 Carp  
 Channel Catfish  
 Green Sunfish  
 Green Sunfish X Bluegill  
 Largemouth Bass  
 Northern Pike  
 Pumpkinseed  
 Warmouth  
 Yellow Bullhead

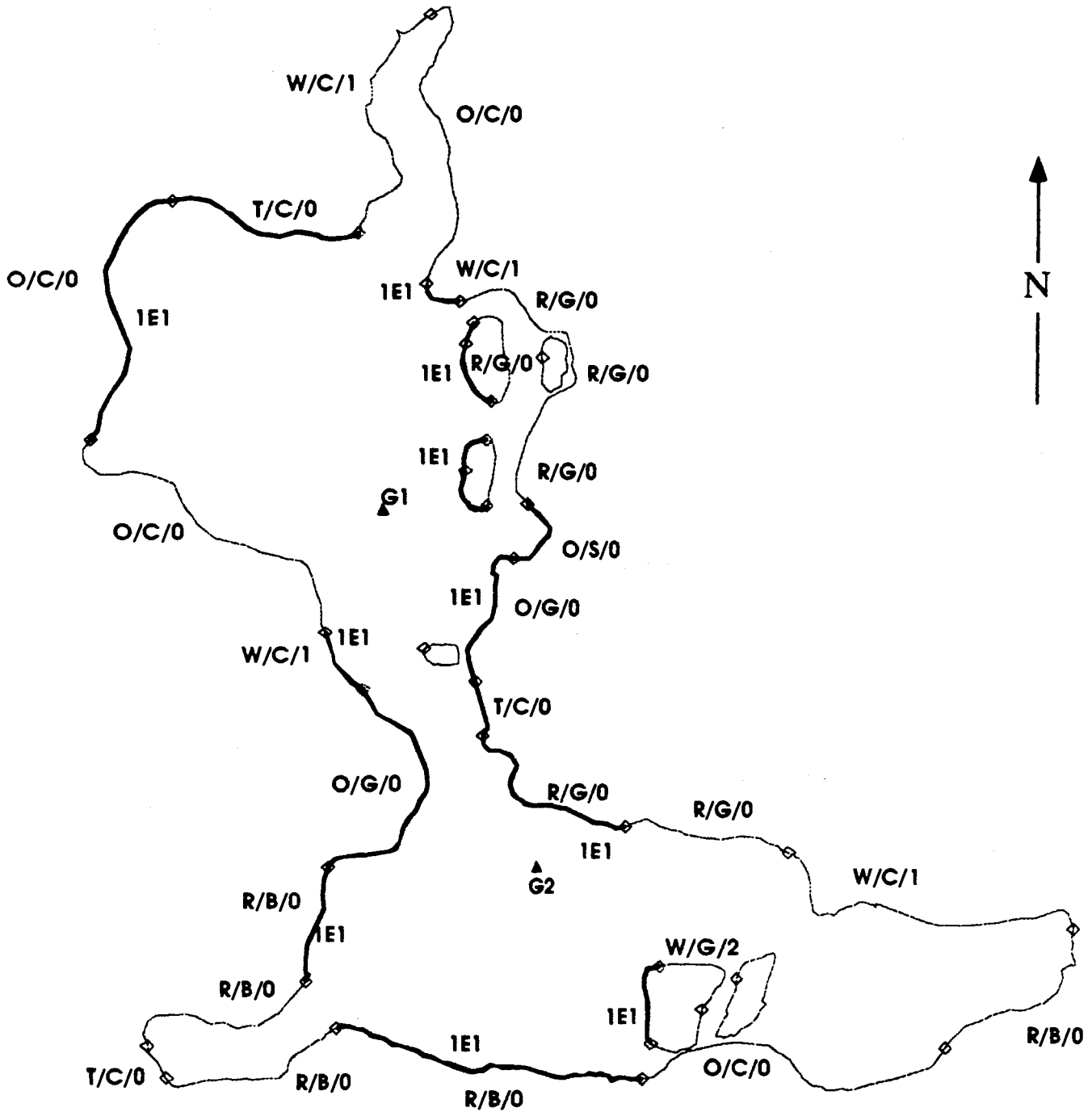
**Notes and Comments:**



# TOWER LAKE



# TOWER LAKE



## Habitat Codes (given as a three character code: Habitat/Substrate/Hard Cover)

### Habitat:

W = Woody debris  
 E = Emergent vegetation  
 R = Rip rap  
 O = Open area  
 D = Docks  
 T = Retaining wall or dam face  
 U = Unknown

### Substrate:

M = Mud or silt  
 C = Clay  
 S = Sand  
 G = Gravel  
 B = Rock or boulder  
 U = Unknown

### Hard Cover Rating:

0 = 0% woody debris and no docks.  
 1 = 0% woody debris with docks or 1-33% woody debris.  
 2 = 1-33% woody debris with many docks or 34-66% woody debris.  
 3 = 34-66% woody debris with many docks or greater than 67% woody debris.

Information compiled by the Illinois Natural History Survey, completed 10/29/86

# TURNER LAKE

## (Chain of Lake State Park)

County: LAKE  
 Latitude: 422655  
 Longitude: 881123

Township: T46N  
 Range: R9E  
 Section: 21

IDOC Region: 2  
 IDOC District: 6  
 IDOC Lake Number: 482  
 Storet Code: YT-B01ZA  
 IDOC Lake Class: ST  
 Lake Origin: NG  
 Natural Division: 3A

Surface Area (ha): 14.2  
 Surface Area (acres): 34.1  
 Mean Depth (m): 9  
 Maximum Depth (m): 2.44  
 Shore Length (km): 1.83  
 Shoreline Dev. Index: 1.37

Year Constructed:

USGS 7.5' Quad: FOX LAKE\*  
 Major River Basin: FOX  
 Inflowing Stream: NONE  
 Outflowing Stream: TRIB>MARSH

**Typical Water Chemistry:**

Secchi Disk Depth (cm): 208  
 Conductivity (umhos): 320  
 Total Alkalinity (mg/l): 228  
 pH: 8.3

Watershed Area (ha): 202  
 Storage Cap. (1000 m<sup>3</sup>): 128.54  
 Retention Time (yrs): 0.3  
 Volume Dev. Index: 1.11

Maximum Length (km): 0.7  
 Maximum Width (km): 0.39  
 Inshore Mean Depth (m): 0.47  
 Pool Elevation (m msl): 228.6

**Climatic Information:**

Growing Season (days): 158  
 Growing Deg. Days (50°F base): 2694

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

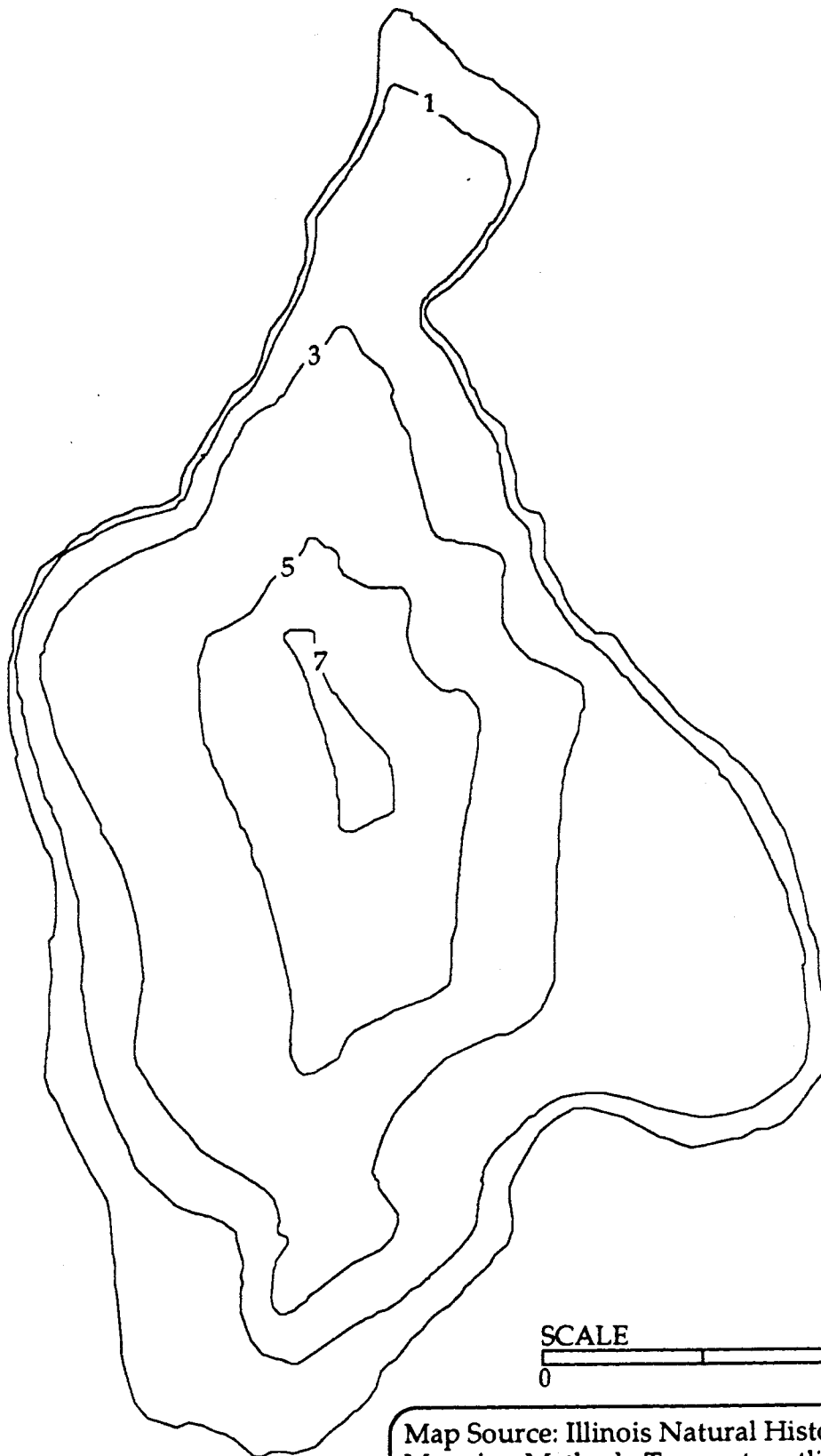
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
E/M/O	100	70

**Fish Species Present in Lake (based on IDOC sampling):**

Black Bullhead	Green Sunfish X Bluegill
Black Crappie	Iowa Darter
Bluegill	Johnny Darter
Bluegill X Pumpkinseed	Lake Chubsucker
Bowfin	Largemouth Bass
Brown Bullhead	Northern Pike
Carp	Pumpkinseed
Central Mudminnow	Tadpole Madtom
Channel Catfish	Yellow Bullhead
Golden Shiner	
Grass Pickerel	
Green Sunfish	

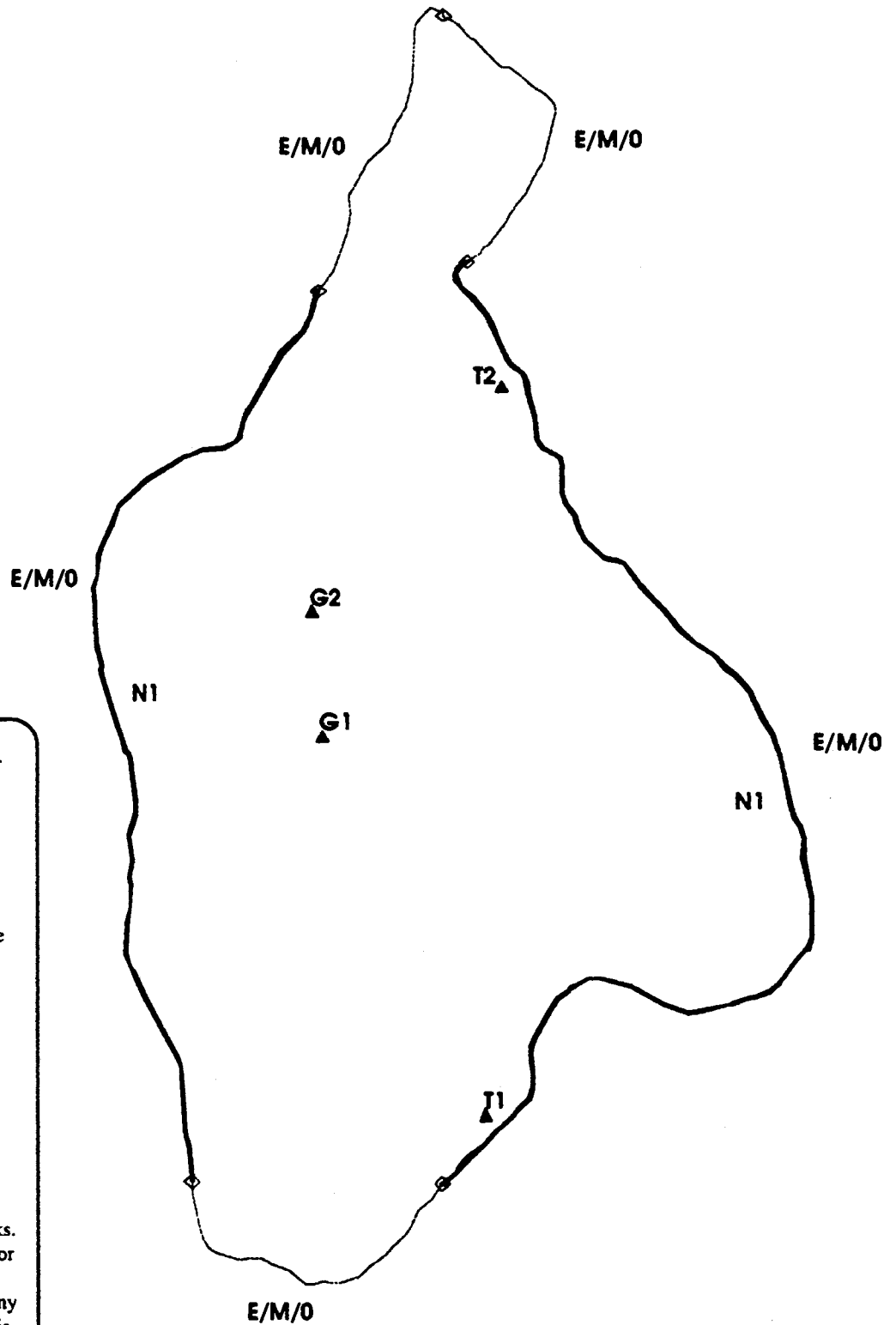
## Notes and Comments:

# TURNER LAKE



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from 7.5 min.  
USGS topographic map  
Date completed: 4/29/87

# TURNER LAKE



## Habitat Codes

Habitat/Substrate/Hard Cover

### Habitat:

- W = Woody debris
- E = Emergent vegetation
- R = Rip rap
- O = Open area
- D = Docks
- T = Retaining wall or dam face
- U = Unknown

### Substrate:

- M = Mud or silt
- C = Clay
- S = Sand
- G = Gravel
- B = Rock or boulder
- U = Unknown

### Hard Cover Rating:

- 0 = 0% woody debris and no docks.
- 1 = 0% woody debris with docks or 1-33% woody debris.
- 2 = 1-33% woody debris with many docks or 34-66% woody debris.
- 3 = 34-66% woody debris with many docks or > 67% woody debris.

Data compiled by the Illinois  
Natural History Survey  
Date

# LAKE VERMILLION

County: VERMILLION  
 Latitude: 401047  
 Longitude: 873821

Township: T20N  
 Range: R11W  
 Section: 31

IDOC Region: 3  
 IDOC District: 8  
 IDOC Lake Number: 113  
 STORET Code: RB-A03-D  
 IDOC Lake Class: PR  
 Lake Origin: AD  
 Natural Division: 10C

Surface Area (ha): 269.6  
 Surface Area (acres): 647.0  
 Mean Depth (m): 1.66  
 Maximum Depth (m): 4.877  
 Shore Length (km): 18.13  
 Shoreline Dev. Index: 3.11

Year Constructed: 1925

USGS 7.5' Quad: DANVILLE NW  
 Major River Basin: WABASH  
 Inflowing Stream: NFK VERMILLION  
 Outflowing Stream: NFK VERM>VERM>WABASH R

Watershed Area (ha): 69155  
 Storage Cap. (1000 m<sup>3</sup>): 4489.143  
 Retention Time (yrs): 0.1  
 Volume Dev. Index: 1.02

Typical Water Chemistry:  
 Secchi Disk Depth (cm): 29  
 Conductivity (umhos): 510  
 Total Alkalinity (mg/l): 157  
 pH: 8.5

Maximum Length (km): 1.857  
 Maximum Width (km): 5.139  
 Inshore Mean Depth (m): 0.7  
 Pool Elevation (m msl): 175.6

Climatic Information:  
 Growing Season (days): 166  
 Growing Deg. Days (50°F base): 3456.

## Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
E/M/0	3	
O/C/0	6	3
O/M/0	3	
R/B/0	5	3
T/M/0	3	
W/M/1	1	
W/C/2	1	1
W/M/2	69	7
W/C/1	6	2
W/C/0	3	3

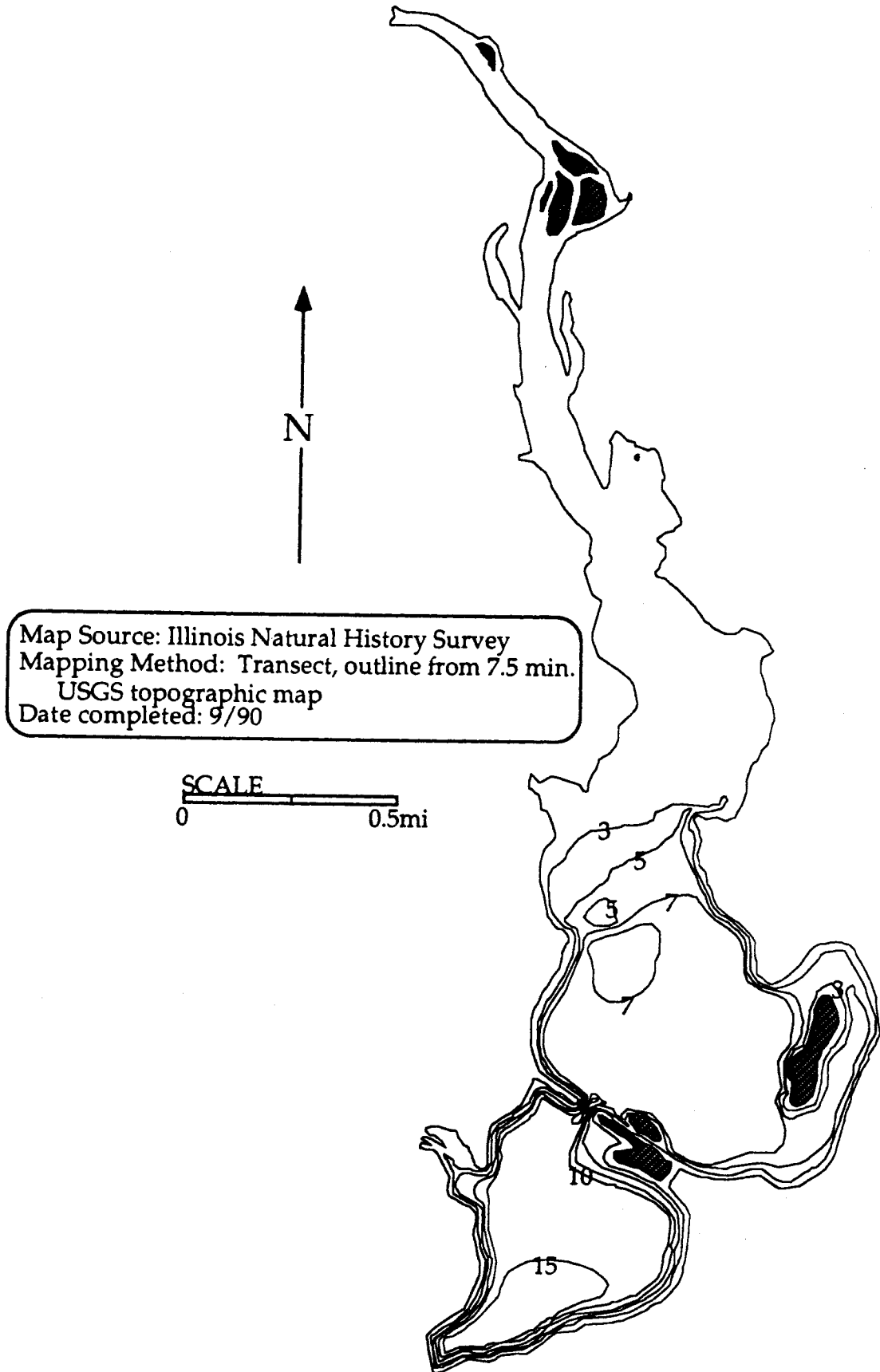
## Fish Species Present in Lake (based on IDOC sampling):

Bigmouth Buffalo	Golden Redhorse	Smallmouth Buffalo
Black Buffalo	Golden Shiner	Spotted Sucker
Black Bullhead	Green Sunfish	Spotfin Shiner
Black Crappie	Gizzard Shad	Quillback Carpsucker
Bluegill	Largemouth Bass	Walleye
Brook Silverside	Logperch	Warmouth
Bullhead Minnow	Longear Sunfish	White Bass
Carp	Muskellunge	White Crappie
Channel Catfish	Northern Hogsucker	White Sucker
Emerald Shiner	Orangespotted Sunfish	Yellow Bass
Flathead Catfish	Red Shiner	Yellow Bullhead
Freshwater Drum	River Carpsucker	

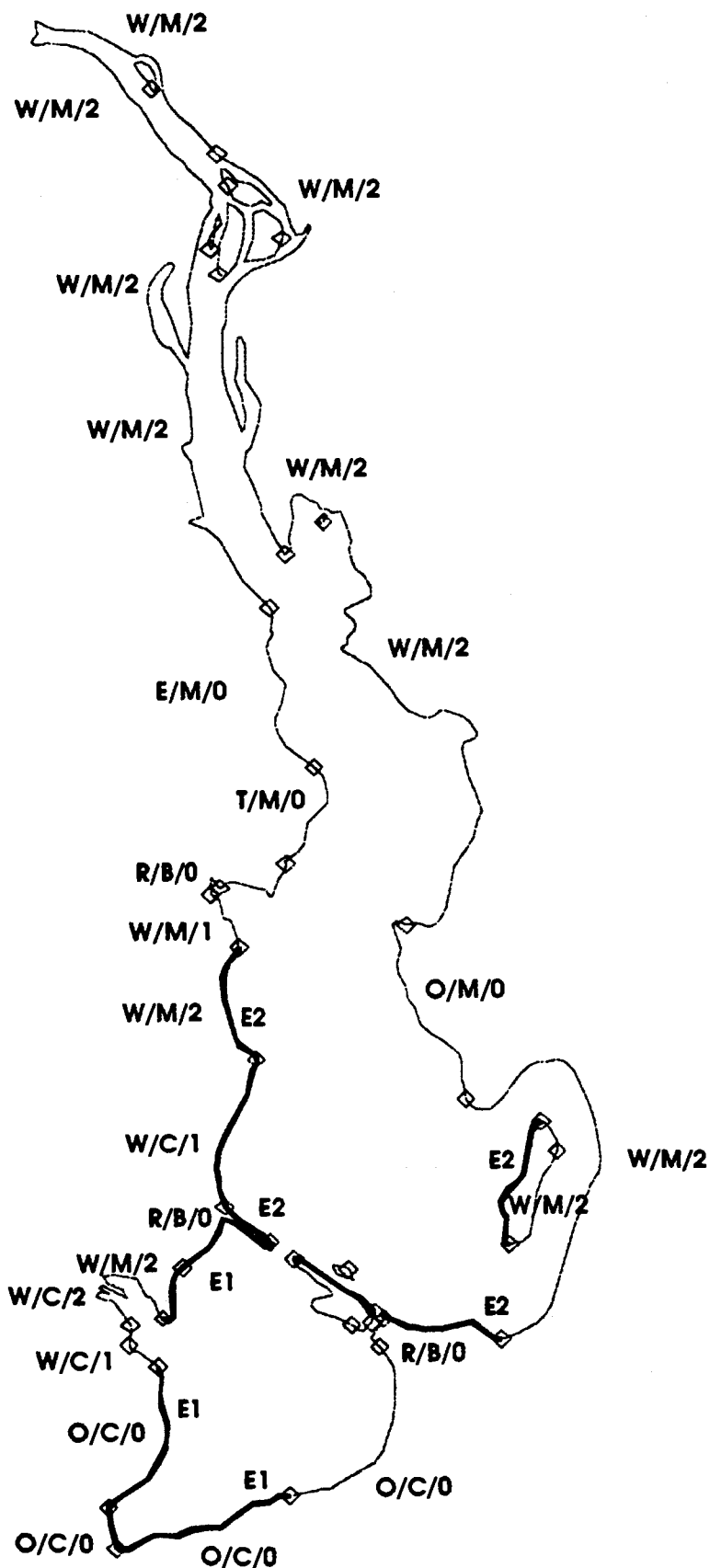
## Notes and Comments:



# LAKE VERMILLION



# LAKE VERMILLION



**Habitat Codes**

Habitat/Substrate/Hard Cover

**Habitat:**

- W = Woody debris
- E = Emergent vegetation
- R = Rip rap
- O = Open area
- D = Docks
- T = Retaining wall or dam face
- U = Unknown

**Substrate:**

- M = Mud or silt
- C = Clay
- S = Sand
- G = Gravel
- B = Rock or boulder
- U = Unknown

**Hard Cover Rating:**

- 0 = 0% woody debris and no docks.
- 1 = 0% woody debris with docks or 1-33% woody debris.
- 2 = 1-33% woody debris with many docks or 34-66% woody debris.
- 3 = 34-66% woody debris with many docks or > 67% woody debris.

Data compiled by the Illinois  
Natural History Survey  
Date 9/13/90

# WALNUT POINT LAKE

County: DOUGLASS  
 Latitude: 394021  
 Longitude: 880205

Township: T15N  
 Range: R10E  
 Section: 36

IDOC Region: 3  
 IDOC District: 9  
 IDOC Lake Number: 127  
 Storet Code: RB-A05-K  
 IDOC Lake Class: ST  
 Lake Origin: AA  
 Natural Division: 4A

Surface Area (ha): 21.8  
 Surface Area (acres): 52.3  
 Mean Depth (m): 3.82  
 Maximum Depth (m): 9.75  
 Shore Length (km): 8.95  
 Shoreline Dev. Index: 5.4

Year Constructed: 1968

USGS 7.5' Quad: OAKLAND  
 Major River Basin: WABASH  
 Inflowing Stream: INT  
 Outflowing Stream: INT>EMB R>WABASH R

Typical Water Chemistry:  
 Secchi Disk Depth (cm): 70  
 Conductivity (umhos): 383  
 Total Alkalinity (mg/l): 146  
 pH: 8.3

Watershed Area (ha): 103  
 Storage Cap. (1000 m<sup>3</sup>): 832.23  
 Retention Time (yrs): 0.3  
 Volume Dev. Index: 1.17

Maximum Length (km): 1.07  
 Maximum Width (km): 1.04  
 Inshore Mean Depth (m): 3.75  
 Pool Elevation (m msl): 196

Climatic Information:  
 Growing Season (days): 182  
 Growing Deg. Days (50°F base): 3546

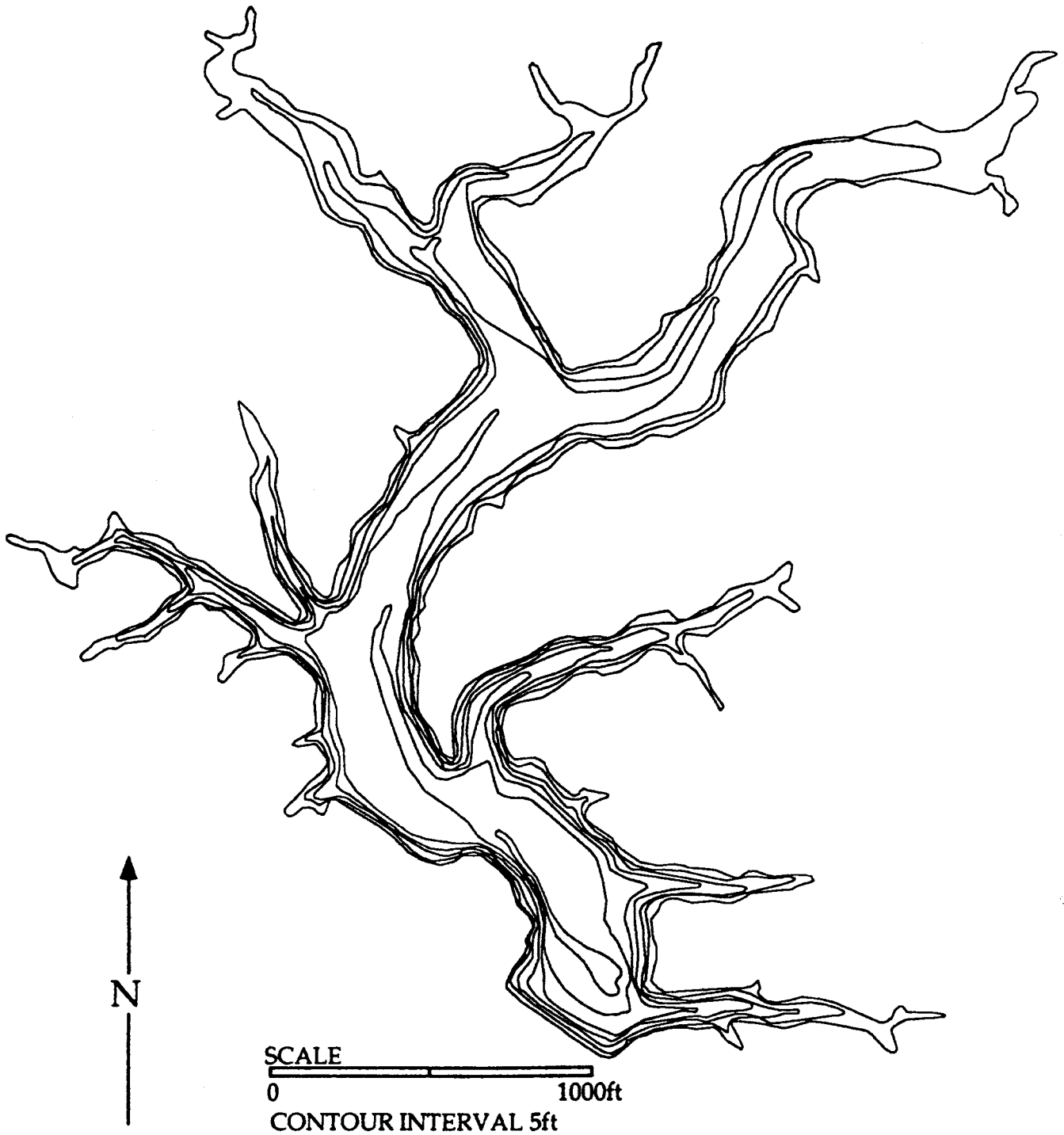
## Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
D/C/2	1	1
D/C/1	5	2
R/B/0	1	1
W/C/1	1	
W/C/3	91	53

## Fish Species Present in Lake (based on IDOC sampling):

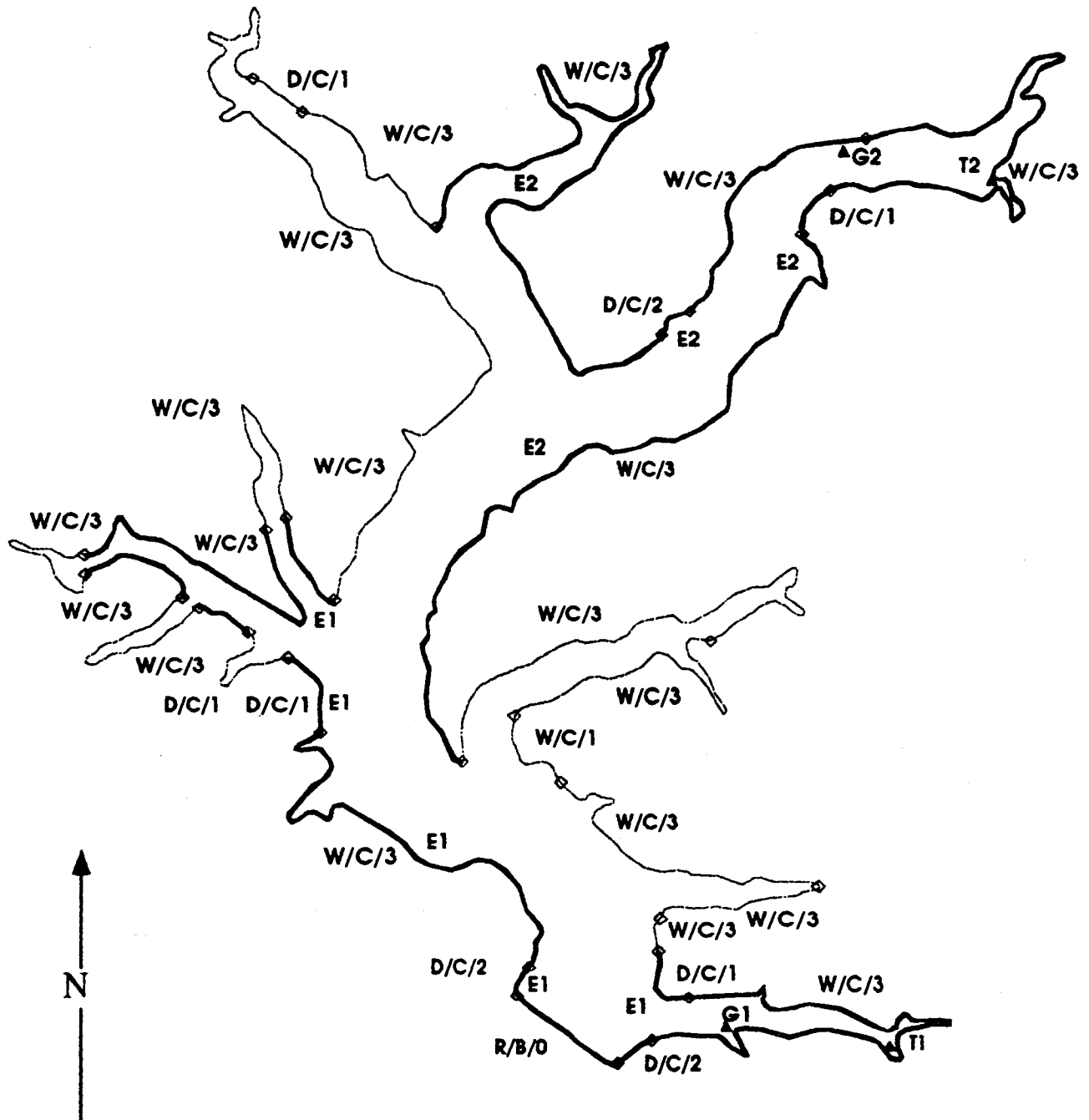
Black Bullhead  
 Black Crappie  
 Bluegill  
 Bluegill X Redear  
 Brown Bullhead  
 Channel Catfish  
 Fathead Minnow  
 Golden Shiner  
 Green Sunfish  
 Green Sunfish X Bluegill  
 Largemouth Bass  
 Longear Sunfish  
 Redear Sunfish

# WALNUT POINT LAKE



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from basin plan  
Date completed: 7/16/88

# WALNUT POINT LAKE



**Habitat Codes** (given as a three character code: Habitat/Substrate/Hard Cover)

<u>Habitat:</u>	<u>Substrate:</u>	<u>Hard Cover Rating:</u>
W = Woody debris	M = Mud or silt	0 = 0% woody debris and no docks.
E = Emergent vegetation	C = Clay	1 = 0% woody debris with docks or 1-33% woody debris.
R = Rip rap	S = Sand	2 = 1-33% woody debris with many docks or 34-66% woody debris.
O = Open area	G = Gravel	3 = 34-66% woody debris with many docks or greater than 67% woody debris.
D = Docks	B = Rock or boulder	
T = Retaining wall or dam face	U = Unknown	
U = Unknown		

Information compiled by the Illinois Natural History Survey, completed 7/16/88

# WELDON SPRINGS LAKE

County: DEWITT  
 Latitude: 400708  
 Longitude: 885521

IDOC Region: 3  
 IDOC District: 8  
 IDOC Lake Number: 93  
 STORET Code: RE-A02-D  
 IDOC Lake Class: ST  
 Lake Origin:  
 Natural Division: 4A

Surface Area (ha): 12.0  
 Surface Area (acres): 28.9  
 Mean Depth (m): 3.47  
 Maximum Depth (m): 8.53  
 Shore Length (km): 3.38  
 Shoreline Dev. Index: 2.75

Year Constructed: 1900

Watershed Area (ha): 222  
 Storage Cap. (1000 m<sup>3</sup>): 414.74  
 Retention Time (yrs): 0.7  
 Volume Dev. Index: 1.22

USGS 7.5' Quad: MAROA  
 Major River Basin: SANGAMON  
 Inflowing Stream: INTERMITTENT TRIBS  
 Outflowing Stream: SALT CR.>SANGAMON R.>ILLINOIS R

Maximum Length (km): 0.76  
 Maximum Width (km): 0.43  
 Inshore Mean Depth (m):  
 Pool Elevation (m msl): 210.6

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 173  
 Conductivity (umhos): 412  
 Total Alkalinity (mg/l): 189  
 pH: 8.2

**Climatic Information:**  
 Growing Season (days): 175  
 Growing Deg. Days (50°F base): 3263

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

<u>Habitat Type</u>	<u>Percent of Total Shoreline</u>	<u>Percent of Total Shoreline Sampled by Electrofishing</u>
D/M/1	4	4
E/M/0	9	9
O/C/0	4	4
O/M/0	2	2
T/U/0	2	
T/C/0	1	1
W/M/2	56	55
W/M/1	18	11
W/M/3	5	5

**Fish Species Present in Lake (based on IDOC sampling):**

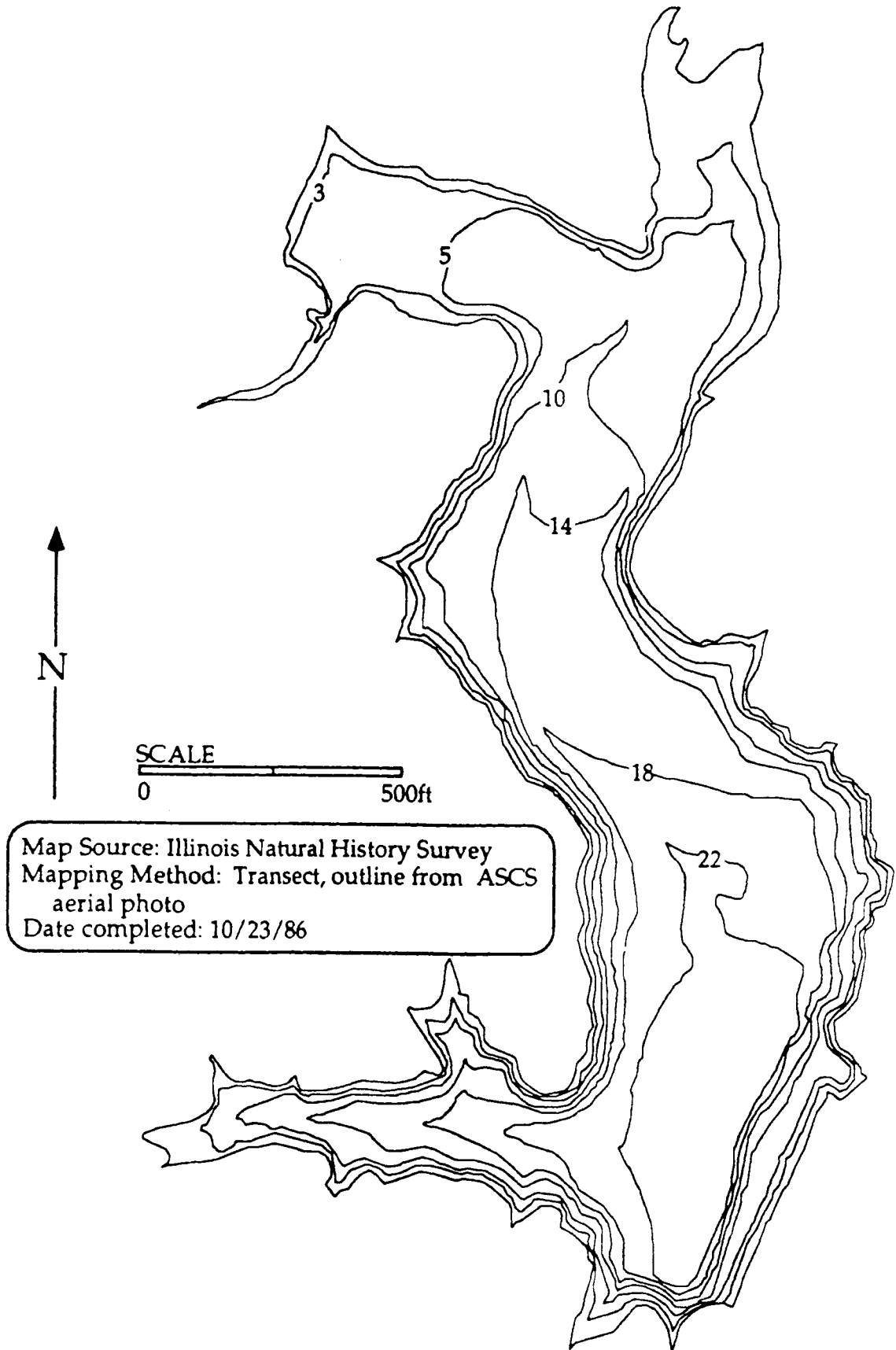
Black Bullhead	Gizzard Shad
Black Crappie	Golden Shiner
Blackstripe Topminnow	Green Sunfish
Bluegill	Largemouth Bass
Brown Bullhead	Redear Sunfish
Carp	White Crappie
Channel Catfish	
Freshwater Drum	

**Notes and Comments:**

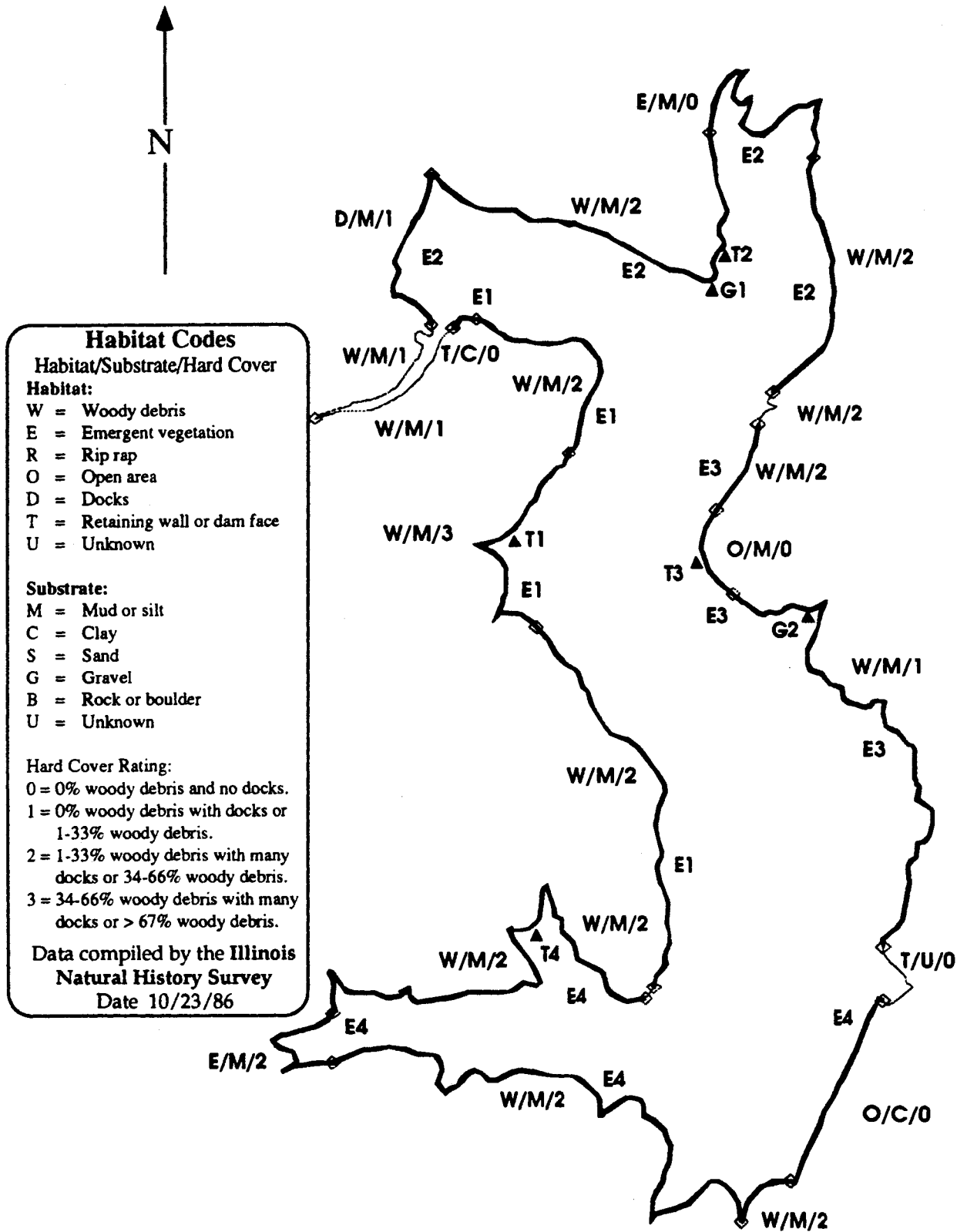
**Notes and Comments:**



# WELDON SPRINGS



# WELDON SPRINGS



# WILDERNESS LAKE

County: MCHENRY  
 Latitude: 421936  
 Longitude: 881340

Township: T44N  
 Range: R9E  
 Section: 6,31

Year Constructed:

USGS 7.5' Quad: WAUCONDA  
 Major River Basin: FOX  
 Inflowing Stream: NONE  
 Outflowing Stream: NONE

Typical Water Chemistry:  
 Secchi Disk Depth (cm): 213  
 Conductivity (umhos): 535  
 Total Alkalinity (mg/l): 153  
 pH: 7.7

IDOC Region: 2  
 IDOC District: 5  
 IDOC Lake Number: 72  
 Storet Code:  
 IDOC Lake Class: ST  
 Lake Origin: NG  
 Natural Division: 3A

Surface Area (ha): 6.4  
 Surface Area (acres): 15.5  
 Mean Depth (m): 1.56  
 Maximum Depth (m): 2.74  
 Shore Length (km): 1.39  
 Shoreline Dev. Index: 1.55

Watershed Area (ha): 63  
 Storage Cap. (1000 m<sup>3</sup>): 100.54  
 Retention Time (yrs): 0.8  
 Volume Dev. Index: 1.7

Maximum Length (km): 0.45  
 Maximum Width (km): 0.31  
 Inshore Mean Depth (m): 3  
 Pool Elevation (m msl): 228.6

**Climatic Information:**  
 Growing Season (days): 158  
 Growing Deg. Days (50°F base): 2694

### Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

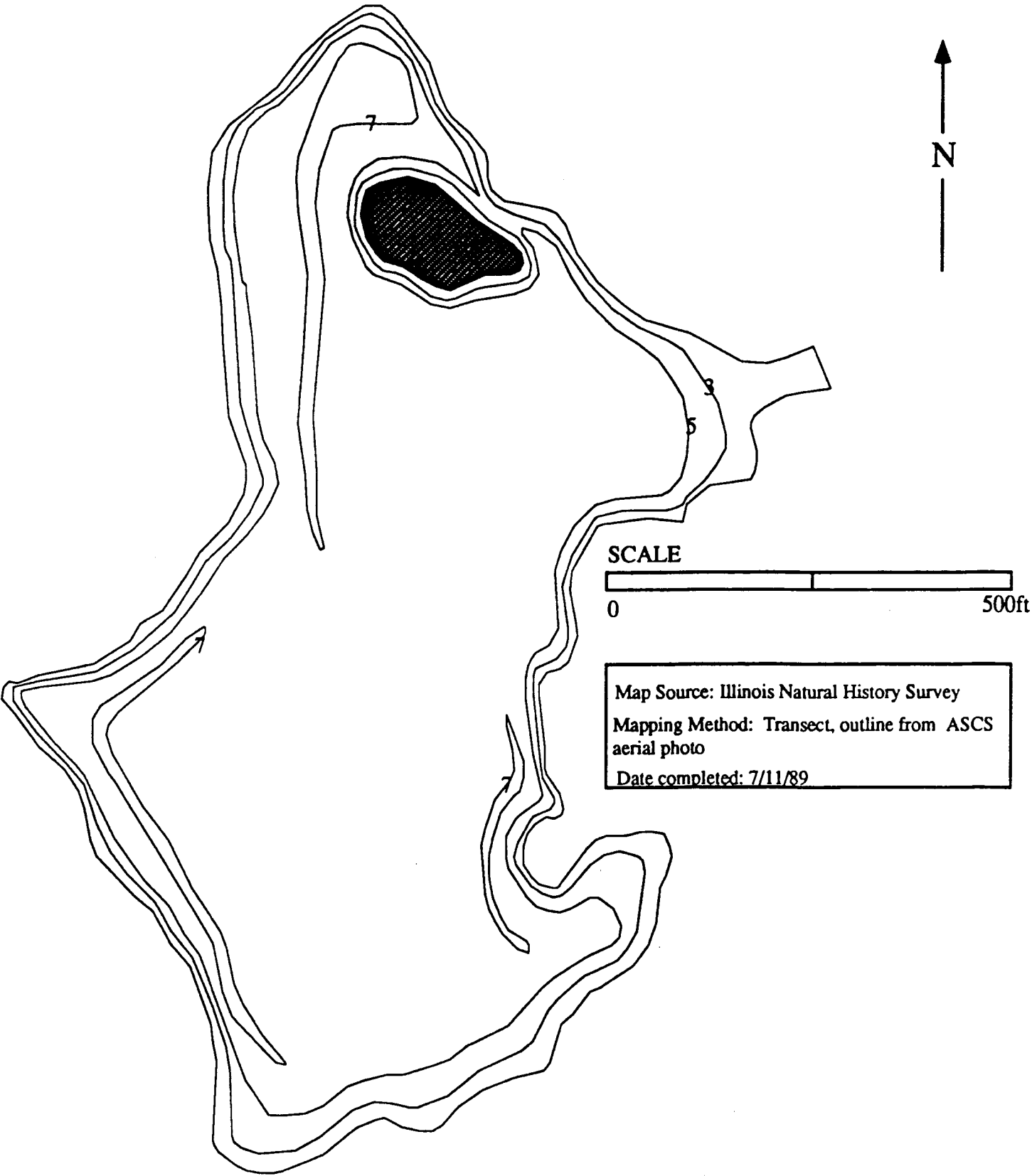
Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
W/C/3	100	100

### Fish Species Present in Lake (based on IDOC sampling):

- Black Bullhead
- Black Crappie
- Bluegill
- Central Mudminnow
- Channel Catfish
- Golden Shiner
- Green Sunfish
- Green Sunfish X Bluegill
- Largemouth Bass
- Northern Pike
- Smallmouth Bass
- White Sucker
- Yellow Bullhead

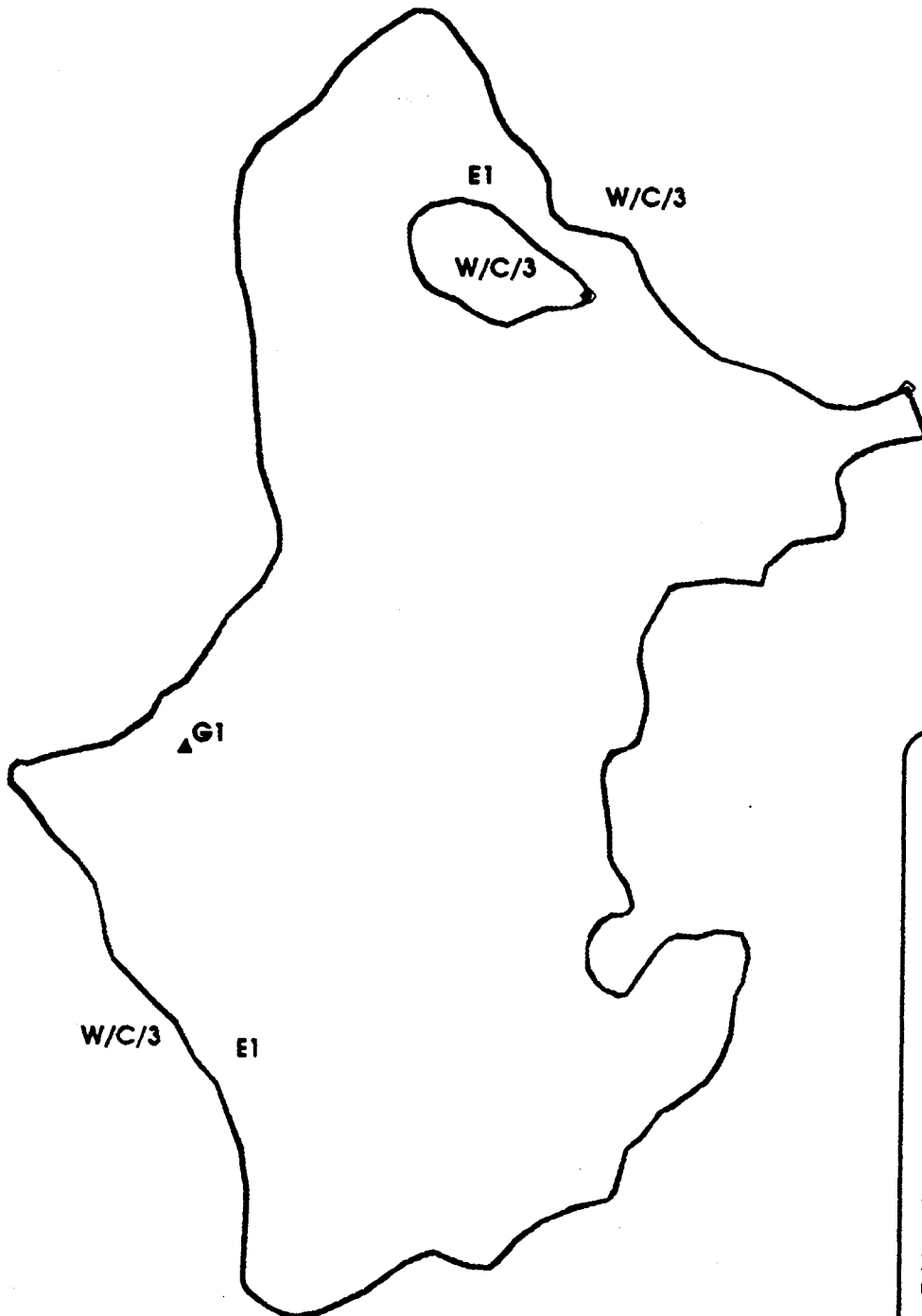
**Notes and Comments:**

# WILDERNESS LAKE



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from ASCS  
aerial photo  
Date completed: 7/11/89

# WILDERNESS LAKE



**Habitat Codes**

**Habitat/Substrate/Hard Cover**

**Habitat:**  
W = Woody debris  
E = Emergent vegetation  
R = Rip rap  
O = Open area  
D = Docks  
T = Retaining wall or dam face  
U = Unknown

**Substrate:**  
M = Mud or silt  
C = Clay  
S = Sand  
G = Gravel  
B = Rock or boulder  
U = Unknown

**Hard Cover Rating:**  
0 = 0% woody debris and no docks.  
1 = 0% woody debris with docks or 1-33% woody debris.  
2 = 1-33% woody debris with many docks or 34-66% woody debris.  
3 = 34-66% woody debris with many docks or > 67% woody debris.

Data compiled by the Illinois  
Natural History Survey  
Date

# WOLF LAKE

County: COOK  
 Latitude: 414018  
 Longitude: 873150

Township: T37N  
 Range: R15E  
 Section: 29

IDOC Region: 2  
 IDOC District: 6  
 IDOC Lake Number: 84  
 Storet Code: RH-A06-A  
 IDOC Lake Class: ST  
 Lake Origin: NG  
 Natural Division: 3C

Surface Area (ha): 158.4  
 Surface Area (acres): 380.2  
 Mean Depth (m): 1.798  
 Maximum Depth (m): 4.877  
 Shore Length (km): 13.213  
 Shoreline Dev. Index: 2.96

Year Constructed:

USGS 7.5' Quad: LAKE CALUMET  
 Major River Basin: DES PLAINES  
 Inflowing Stream: NONE  
 Outflowing Stream: WOLF CR>CALUMET R>L MICH

**Typical Water Chemistry:**  
 Secchi Disk Depth (cm): 83  
 Conductivity (umhos): 302  
 Total Alkalinity (mg/l): 72  
 pH: 8.8

Watershed Area (ha): 202  
 Storage Cap. (1000 m<sup>3</sup>): 2851.76  
 Retention Time (yrs): 6.2  
 Volume Dev. Index: 1.1

Maximum Length (km): 1.133  
 Maximum Width (km): 2.265  
 Inshore Mean Depth (m): 1.1  
 Pool Elevation (m msl): 177.4

**Climatic Information:**  
 Growing Season (days): 165  
 Growing Deg. Days (50°F base): 2996

### Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

Habitat Type	Percent of Total Shoreline	Percent of Total Shoreline Sampled by Electrofishing
D/G/1	2	
E/G/0	2	
O/S/0	2	
O/C/0	14	12
R/B/0	64	27
T/U/0	2	2
W/C/1	2	

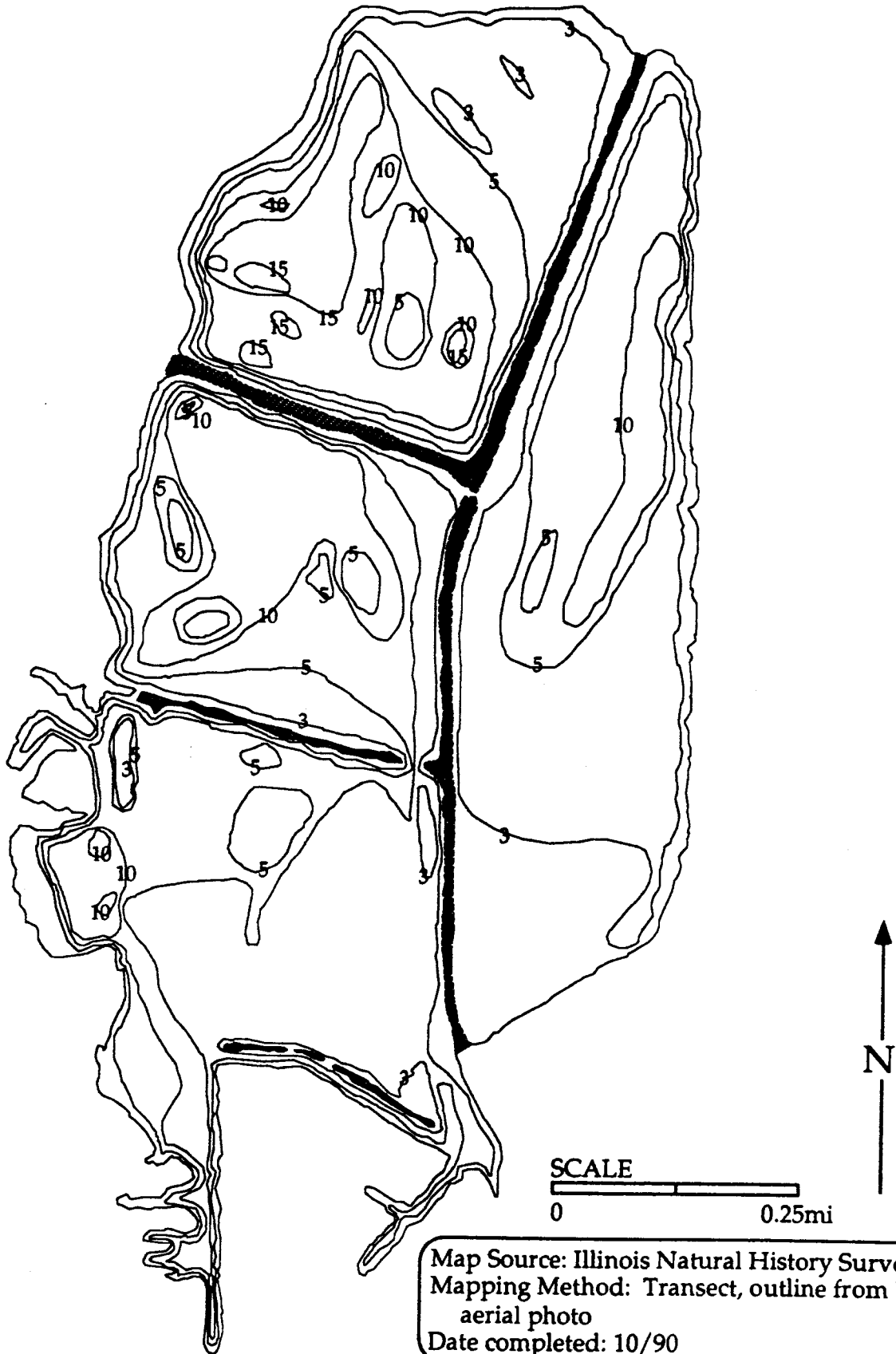
### Fish Species Present in Lake (based on IDOC sampling):

ALEWIFE	Goldfish	River Carpsucker
Black Bullhead	Grass Pickerel	Smallmouth Bass
Black Crappie	Green Sunfish	Smallmouth Buffalo
Bluegill	Green Sunfish X Bluegill	Tiger Muskellunge
Bluntnose Minnow	Green Sunfish X Pumpkinseed	Walleye
Brown Bullhead	Johnny Darter	Warmouth
Carp	Lake Chubsucker	White Sucker
Carp X Goldfish	Largemouth Bass	Yellow Perch
Channel Catfish	Longear Sunfish	
Emerald Shiner	Northern Pike	
Gizzard Shad	Orangespotted Sunfish	
Golden Shiner	Pumpkinseed	

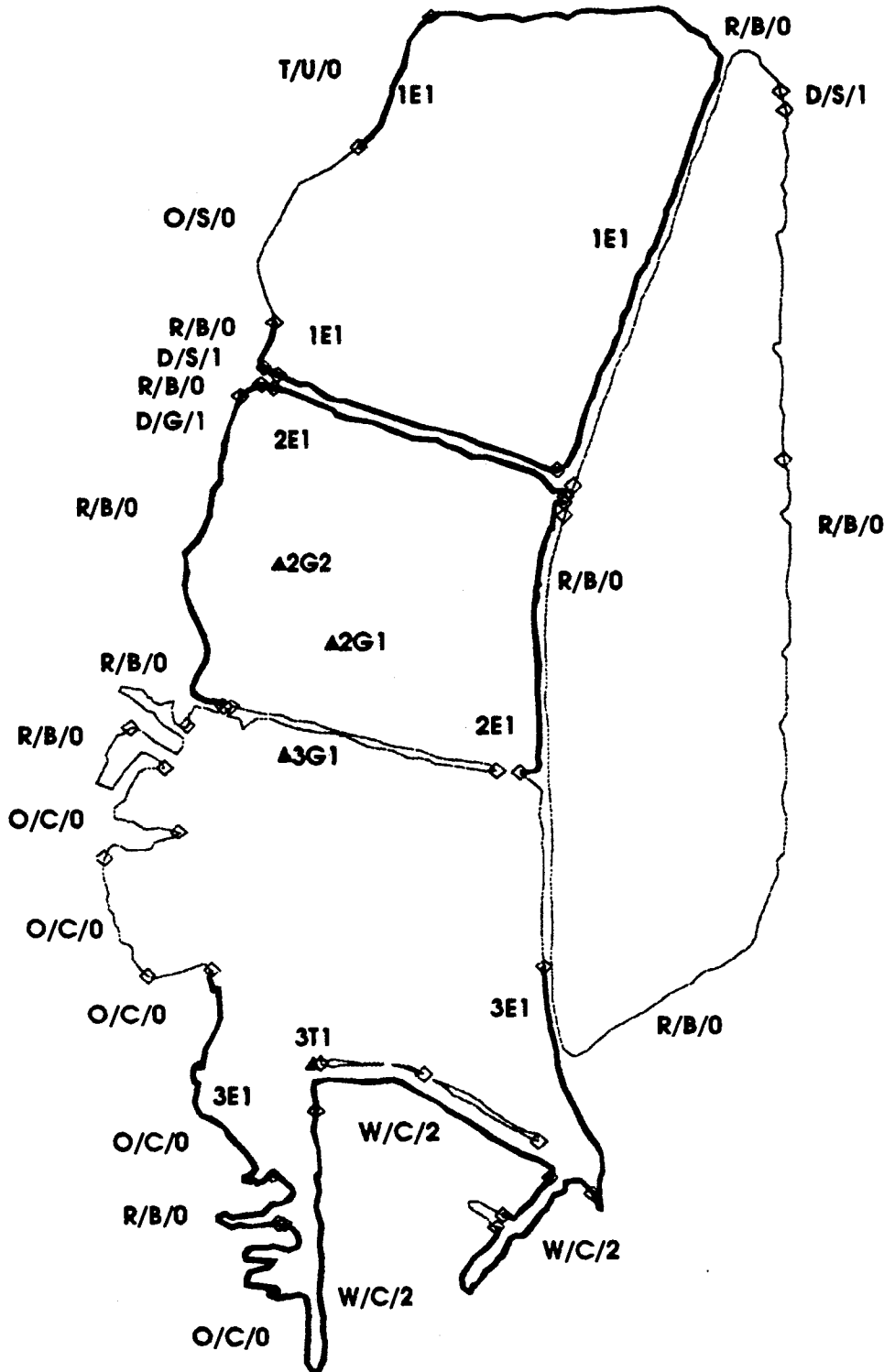
**Notes and Comments:**



# WOLF LAKE



# WOLF LAKE



**Habitat Codes**

**Habitat/Substrate/Hard Cover**

**Habitat:**

- W = Woody debris
- E = Emergent vegetation
- R = Rip rap
- O = Open area
- D = Docks
- T = Retaining wall or dam face
- U = Unknown

**Substrate:**

- M = Mud or silt
- C = Clay
- S = Sand
- G = Gravel
- B = Rock or boulder
- U = Unknown

**Hard Cover Rating:**

- 0 = 0% woody debris and no docks.
- 1 = 0% woody debris with docks or 1-33% woody debris.
- 2 = 1-33% woody debris with many docks or 34-66% woody debris.
- 3 = 34-66% woody debris with many docks or > 67% woody debris.

Data compiled by the Illinois  
Natural History Survey  
Date

# WOOD LAKE

County: MOULTRIE  
 Latitude: 393139  
 Longitude: 883650

Township: T13N  
 Range: R5E  
 Section: 34,35

IDOC Region: 3  
 IDOC District: 9  
 IDOC Lake Number: 140  
 STORET Code:  
 IDOC Lake Class: PU  
 Lake Origin:  
 Natural Division: 4A

Surface Area (ha): 11.2  
 Surface Area (acres): 26.9  
 Mean Depth (m): 2.23  
 Maximum Depth (m): 5.79  
 Shore Length (km): 3.41  
 Shoreline Dev. Index: 2.87

Year Constructed: 1965

USGS 7.5' Quad: SULIVAN  
 Major River Basin: KASKASKIA  
 Inflowing Stream: TRIB  
 Outflowing Stream: SAME>LAKE SHELBYVILLE

Typical Water Chemistry:  
 Secchi Disk Depth (cm): 91  
 Conductivity (umhos): 420  
 Total Alkalinity (mg/l): 118  
 pH: 8.3

Watershed Area (ha): 465  
 Storage Cap. (1000 m<sup>3</sup>): 250.42  
 Retention Time (yrs): 0.2  
 Volume Dev. Index: 1.15

Maximum Length (km): 0.51  
 Maximum Width (km): 0.85  
 Inshore Mean Depth (m): 1.6  
 Pool Elevation (m msl): 175

**Climatic Information:**  
 Growing Season (days): 183  
 Growing Deg. Days (50°F base): 3561

## Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

Habitat Type	Percent of Total Shoreline	
	Total Shoreline	Sampled by Electrofishing
E/M/1	11	11
R/M/0	4	3
W/M/1	77	41

## Fish Species Present in Lake (based on IDOC sampling):

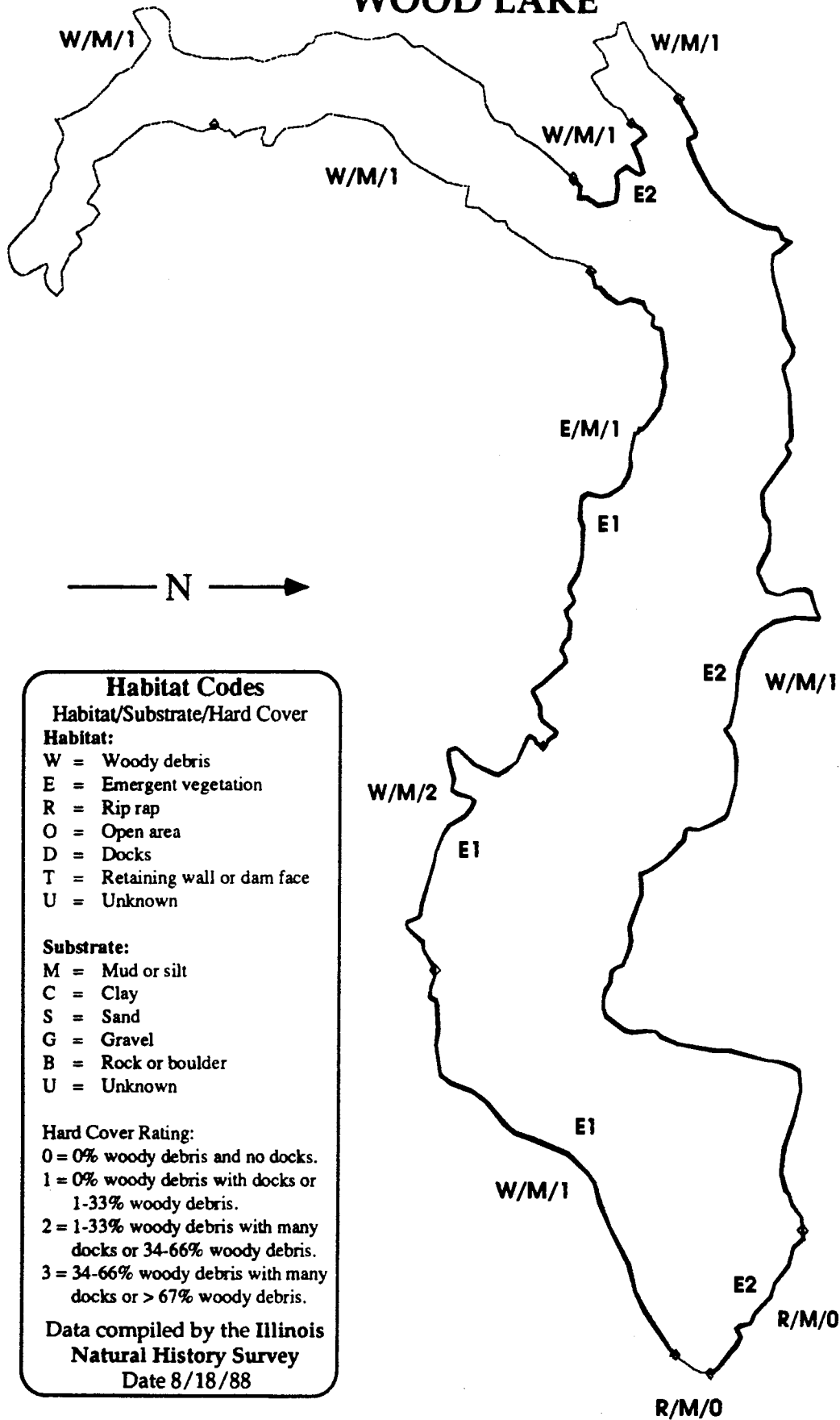
N/A

## Notes and Comments:

# WOOD LAKE



# WOOD LAKE



# LAKE ZURICH

County: LAKE  
 Latitude: 421142  
 Longitude: 880554

Township: T43N  
 Range: R10E  
 Section: 17,18,19,20

Year Constructed:

USGS 7.5' Quad: LAKE ZURICH\*  
 Major River Basin: FOX  
 Inflowing Stream: NONE  
 Outflowing Stream: INT<GRSY<FLINT CR<FOX<ECHO L

**Typical Water Chemistry:**

Secchi Disk Depth (cm): 124  
 Conductivity (umhos): 525  
 Total Alkalinity (mg/l): 80  
 pH: 9.0

IDOC Region: 2  
 IDOC District: 6  
 IDOC Lake Number:  
 Stret Code: RT-B02-S  
 IDOC Lake Class: PR  
 Lake Origin: NG  
 Natural Division: 3A

Surface Area (ha): 88.1  
 Surface Area (acres): 211.4  
 Mean Depth (m): 3.07  
 Maximum Depth (m): 9.75  
 Shore Length (km): 4.12  
 Shoreline Dev. Index: 1.23

Watershed Area (ha): 502  
 Storage Cap. (1000 m<sup>3</sup>): 2706.68  
 Retention Time (yrs): 3.0  
 Volume Dev. Index: 0.94

Maximum Length (km): 1.17  
 Maximum Width (km): 1.2  
 Inshore Mean Depth (m): 0.85  
 Pool Elevation (m msl): 256.9

**Climatic Information:**

Growing Season (days): 158  
 Growing Deg. Days (50°F base): 2694

**Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing**

<u>Habitat Type</u>	<u>Percent of Total Shoreline</u>	<u>Percent of Total Shoreline Sampled by Electrofishing</u>
E/S/0	2	2
E/S/1	28	28
O/S/0	21	18
R/B/0	6	6
R/B/1	28	28
W/S/0	9	

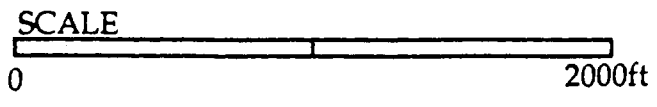
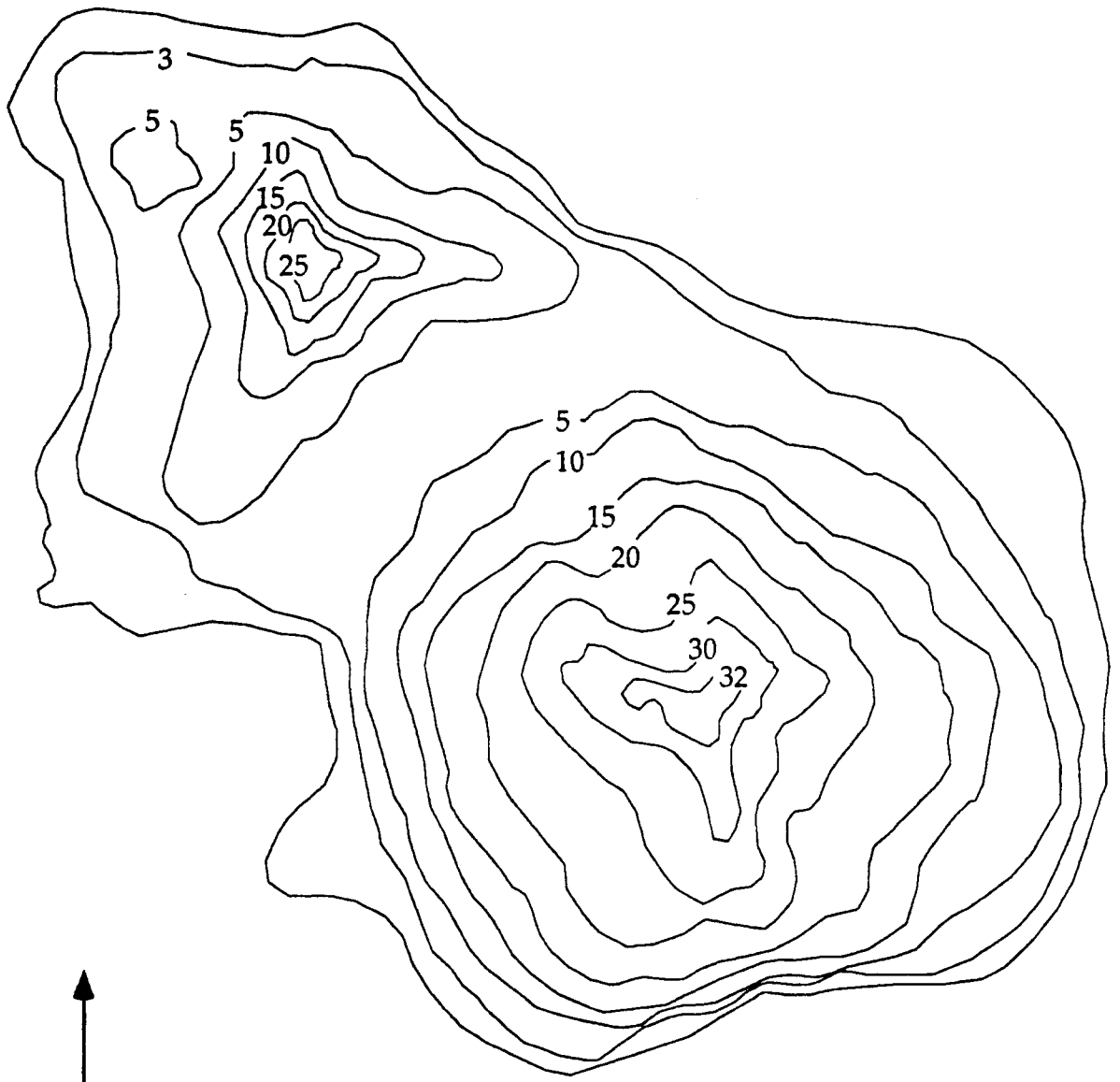
**Fish Species Present in Lake (based on IDOC sampling):**

Black Crappie  
 Bluegill  
 Bluegill X Pumpkinseed  
 Bluntnose Minnow  
 Brook Silverside  
 Carp  
 Grass Pickerel  
 Lake Chubsucker  
 Largemouth Bass  
 Northern Pike  
 Pumpkinseed  
 Yellow Perch

**Notes and Comments:**

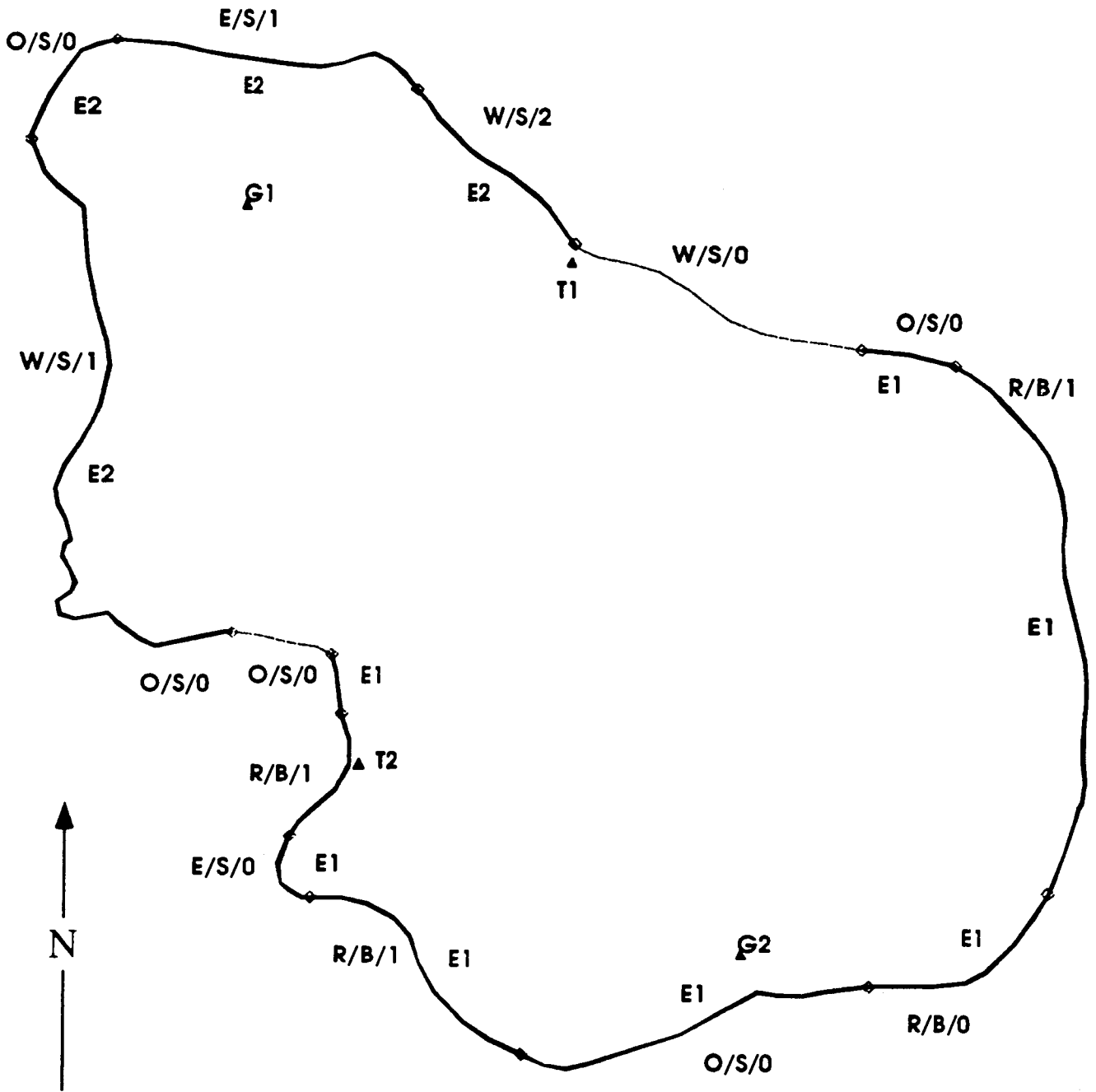


# LAKE ZURICH



Map Source: Illinois Dept. of Conservation  
Mapping Method: Unknown, outline from ASCS  
aerial photo  
Date completed: 12/29/66

# LAKE ZURICH



**Habitat Codes** (given as a three character code: **Habitat/Substrate/Hard Cover**)

<b>Habitat:</b>	<b>Substrate:</b>	<b>Hard Cover Rating:</b>
W = Woody debris	M = Mud or silt	0 = 0% woody debris and no docks.
E = Emergent vegetation	C = Clay	1 = 0% woody debris with docks or 1-33% woody debris.
R = Rip rap	S = Sand	2 = 1-33% woody debris with many docks or 34-66% woody debris.
O = Open area	G = Gravel	3 = 34-66% woody debris with many docks or greater than 67% woody debris.
D = Docks	B = Rock or boulder	
T = Retaining wall or dam face	U = Unknown	
U = Unknown		

Information compiled by the Illinois Natural History Survey, completed 10/29/86