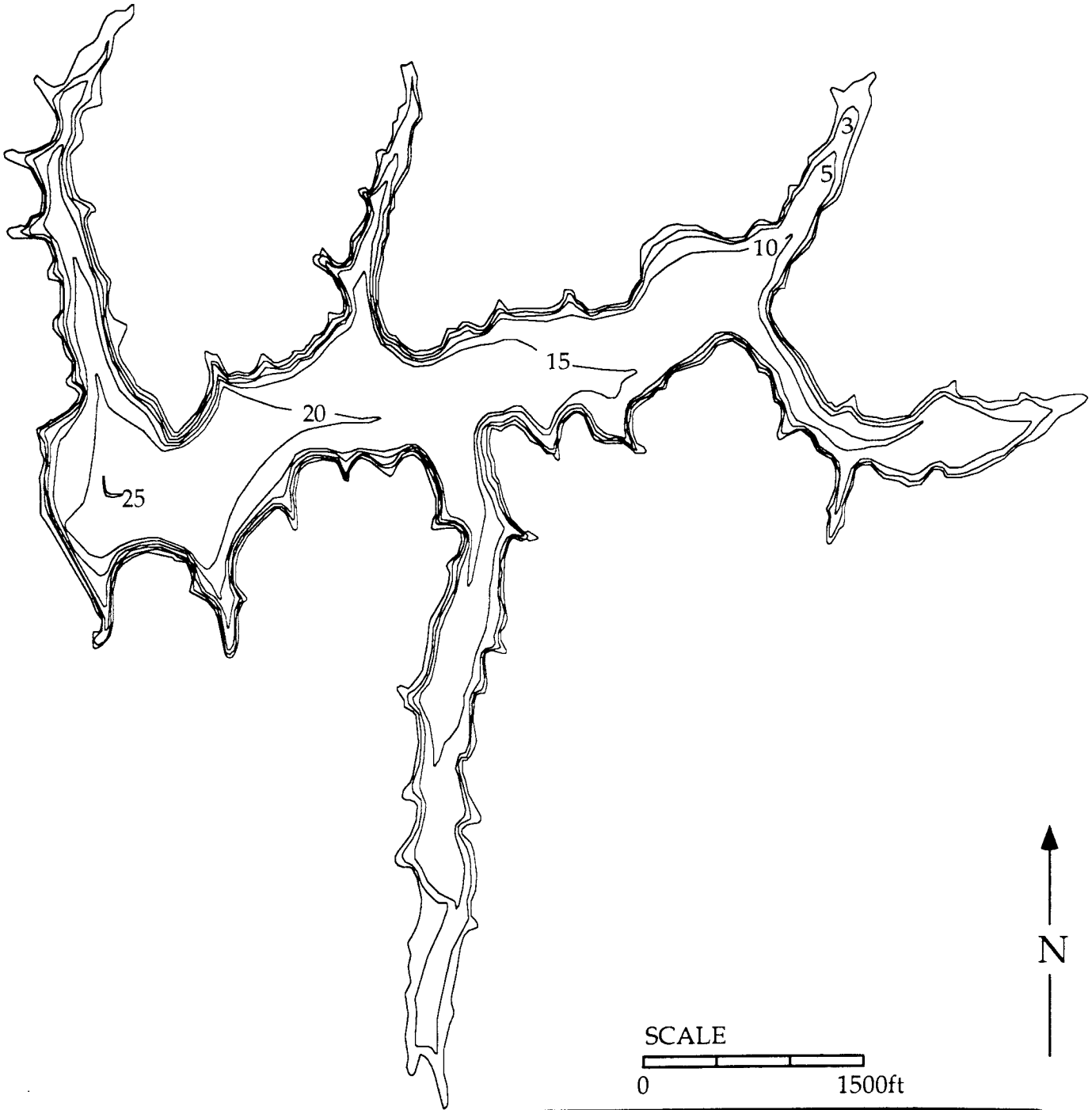
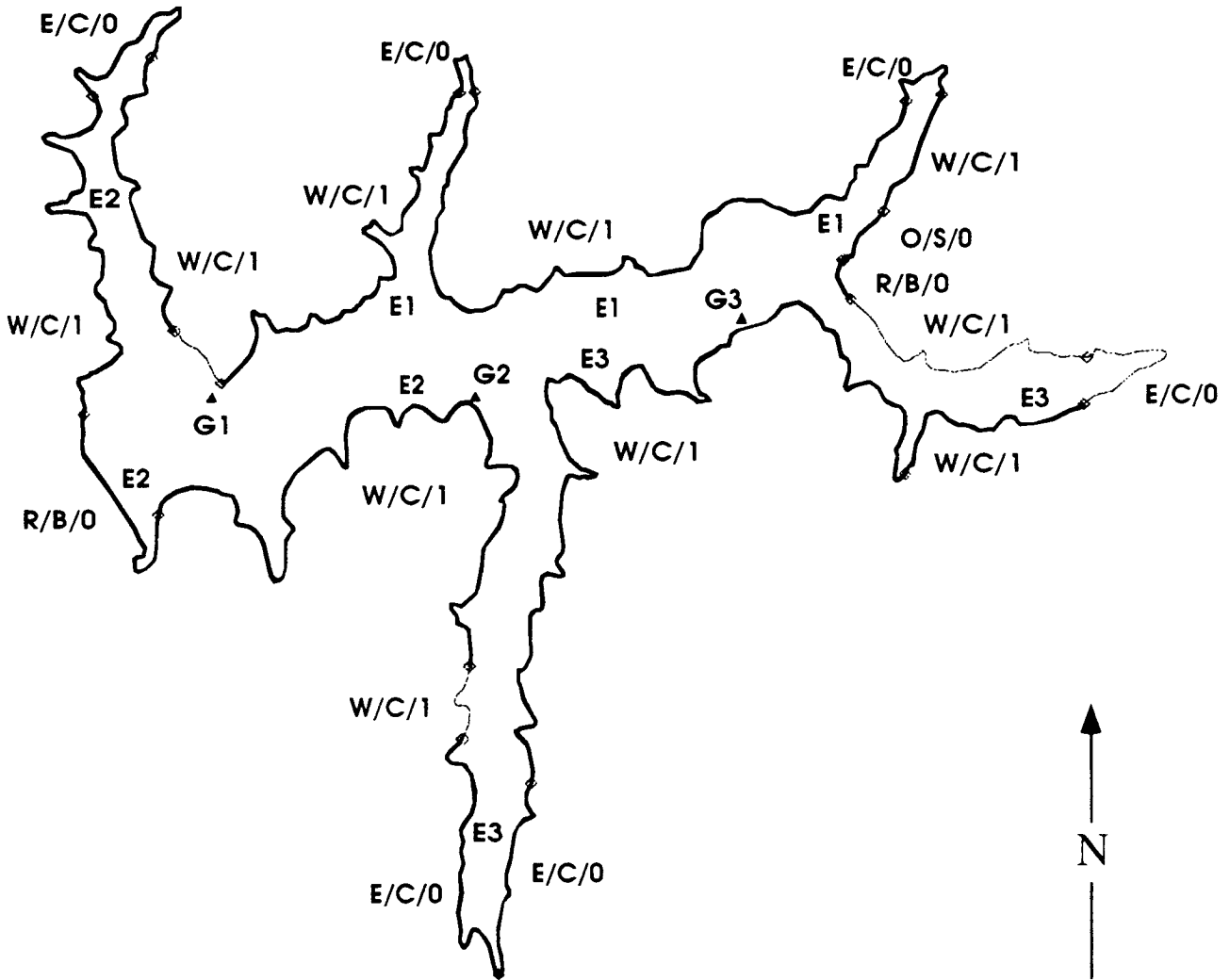


GILLESPIE NEW CITY LAKE



Map Source: Illinois Natural History Survey
Mapping Method: Transect, outline from 7.5 min.
USGS topographic map
Date completed: 6/21/89

GILLESPIE NEW CITY 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 6/21/89

GILLESPIE NEW CITY LAKE

County: MACOUPIN
 Latitude: 390845
 Longitude: 895310

Township: T8N
 Range: R7W
 Section: 8

IDOC Region: 4
 IDOC District: 12
 IDOC Lake Number: 187
 Storet Code: SD-A02-U
 IDOC Lake Class: PU
 Lake Origin: AA
 Natural Division: 7B

Surface Area (ha): 81.8
 Surface Area (acres): 196.3
 Mean Depth (m): 3.33
 Maximum Depth (m): 8.23
 Shore Length (km): 14.37
 Shoreline Dev. Index: 4.48

Year Constructed: 1956

USGS 7.5' Quad: PLAINVIEW
 Major River Basin: ILLINOIS
 Inflowing Stream: GILL OLD L
 Outflowing Stream: DRY FK>MACOUPIN CR>IL R

Typical Water Chemistry:
 Secchi Disk Depth (cm): 60
 Conductivity (umhos): 296
 Total Alkalinity (mg/l): 123
 pH: 8.5

Watershed Area (ha): 3341
 Storage Cap. (1000 m³): 2720.99
 Retention Time (yrs): 0.6
 Volume Dev. Index: 1.21

Maximum Length (km): 2.09
 Maximum Width (km): 2.38
 Inshore Mean Depth (m): 2
 Pool Elevation (m msl): 183.8

Climatic Information:
 Growing Season (days): 183
 Growing Deg. Days (50°F base): 3855

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	17	14
O/S/0	1	1
R/B/0	4	4
W/C/1	78	71

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

Black Crappie
 Bluegill
 Bowfin
 Carp
 Channel Catfish
 Freshwater Drum
 Gizzard Shad
 Golden Shiner
 Green Sunfish
 Largemouth Bass
 Warmouth
 White Crappie
 Yellow Bullhead