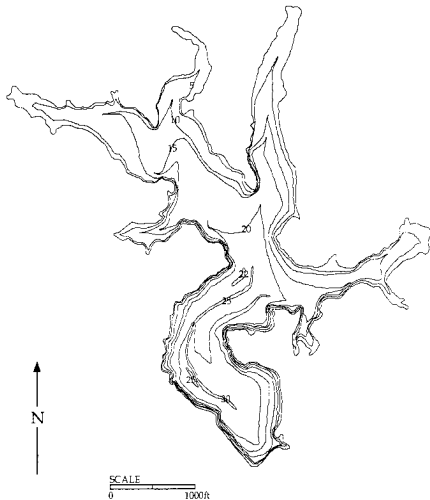
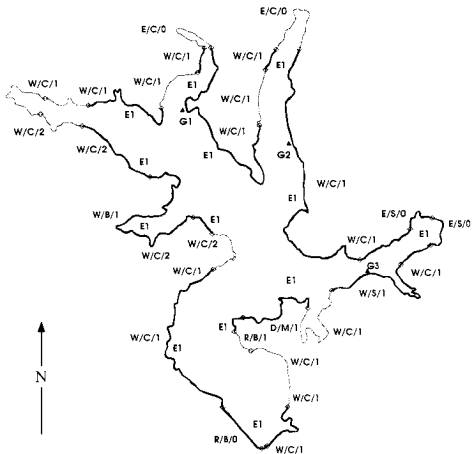


# LAKE MURPHYSBORO



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from IDOC  
aerial photo  
Date completed: 10/6/88

# LAKE MURPHYSBORO



**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 MURPHYSBORO

County: JACKSON  
Latitude: 374625  
Longitude: 892250

Township: T9S  
Range: R3W  
Section: 1

IDOC Region: 5  
IDOC District: 18  
IDOC Lake Number: 255  
Storet Code: RN-B03-D  
IDOC Lake Class: ST  
Lake Origin: AA  
Natural Division: 9B

Surface Area (ha): 58.1  
Surface Area (acres): 139.5  
Mean Depth (m): 4.18  
Maximum Depth (m): 9.75  
Shore Length (km): 11.92  
Shoreline Dev. Index: 4.41

Year Constructed: 1950

USGS 7.5' Quad: MURPHYSBORO\*/ORAVILLE\*  
Major River Basin: BIG MUDDY  
Inflowing Stream: INT  
Outflowing Stream: INT

**Typical Water Chemistry:**  
Secchi Disk Depth (cm): 47  
Conductivity (umhos): 192  
Total Alkalinity (mg/l): 89  
pH: 9.4

Watershed Area (ha): 697  
Storage Cap. (1000 m<sup>3</sup>): 2432.82  
Retention Time (yrs): 1.0  
Volume Dev. Index: 1.28

Maximum Length (km): 1.57  
Maximum Width (km): 1.54  
Inshore Mean Depth (m): 2.5  
Pool Elevation (m msl): 121.9

**Climatic Information:**  
Growing Season (days): 199  
Growing Deg. Days (50°F base): 4190

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

| Habitat Type | Percent of Total Shoreline |                           |
|--------------|----------------------------|---------------------------|
|              | Total Shoreline            | Sampled by Electrofishing |
| D/M/1        | 9                          | 4                         |
| E/S/0        | 3                          | 3                         |
| E/C/0        | 10                         |                           |
| R/B/1        | 2                          | 1                         |
| R/B/0        | 2                          | 2                         |
| W/S/1        | 6                          | 6                         |
| W/C/2        | 8                          | 4                         |
| W/C/1        | 52                         | 42                        |
| W/B/1        | 9                          | 9                         |

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

Black Crappie  
Bluegill  
Bowfin  
Channel Catfish  
Golden Shiner  
Largemouth Bass  
Redear Sunfish  
Warmouth  
White Crappie  
Yellow Bullhead