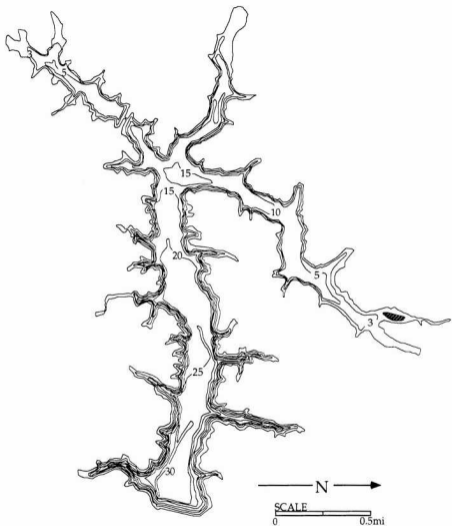


# VANDALIA LAKE



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from 7.5 min.  
USGS topographic map  
Date completed: 7/90

# VANDALIA 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:

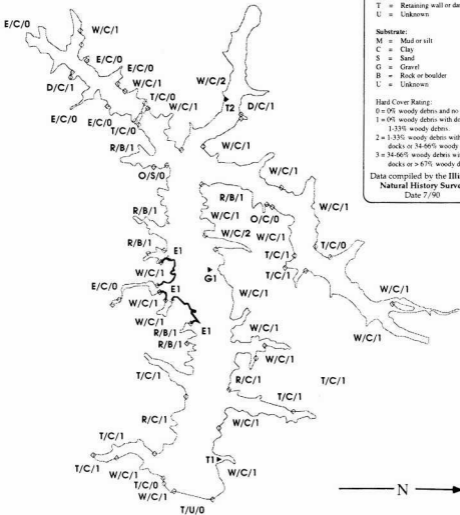
- M = Mud or silt
- C = Clay
- S = Sand
- G = Gravel
- B = Rock or boulder
- U = Unknown

### 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 7/90



# VANDALIA LAKE

County: FAYATTE  
 Latitude: 390045  
 Longitude: 890725

Township: T7N  
 Range: R1E  
 Section: 1W

Year Constructed: 1967

USGS 7.5' Quad: VERA\*/BINGHAM\*  
 Major River Basin: KASKASKIA  
 Inflowing Stream: BEAR CR  
 Outflowing Stream: SAME>KASKASKIA R

### Typical Water Chemistry:

Secchi Disk Depth (cm): 81  
 Conductivity (umhos): 214  
 Total Alkalinity (mg/l): 76  
 pH: 7.9

IDOC Region: 5  
 IDOC District: 14  
 IDOC Lake Number: 217  
 Storet Code: RO-B03-D  
 IDOC Lake Class: PU  
 Lake Origin: AA  
 Natural Division: 9A

Surface Area (ha): 269.2  
 Surface Area (acres): 646.0  
 Mean Depth (m): 3.19  
 Maximum Depth (m): 9.45  
 Shore Length (km): 39.34  
 Shoreline Dev. Index: 6.76

Watershed Area (ha): 6879  
 Storage Cap. (1000 m<sup>3</sup>): 8598.57  
 Retention Time (yrs): 0.6  
 Volume Dev. Index: 1.01

Maximum Length (km): 4.26  
 Maximum Width (km): 3.84  
 Inshore Mean Depth (m): 1.1  
 Pool Elevation (m msl): 160.0

### Climatic Information:

Growing Season (days): 171  
 Growing Deg. Days (50°F base): 3611

### 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	1	
E/C/0	12	
R/C/1	3	
R/B/1	15	3
T/C/1	10	
T/U/G	1	
T/C/0	2	
W/C/1	45	0
W/C/2	11	

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

Black Bullhead	Redear Sunfish
Bluegill	Warmouth
Carp	White Crappie
Channel Catfish	Yellow Bullhead
Gizzard Shad	
Golden Shiner	
Green Sunfish	
Hybrid Striped Bass	
Largemouth Bass	
Longear Sunfish	