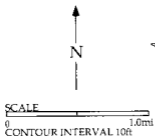
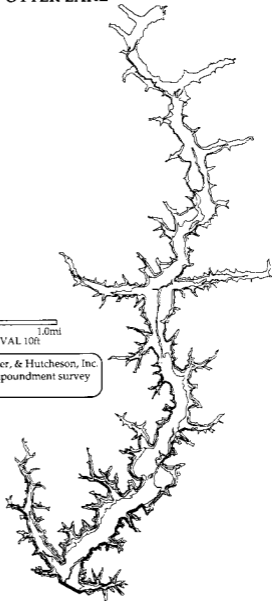


# OTTER LAKE



Map Source: Casler, Houser, & Hutcheson, Inc.  
Mapping Method: Pre-impoundment survey  
Date completed: 1970



# OTTER 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:

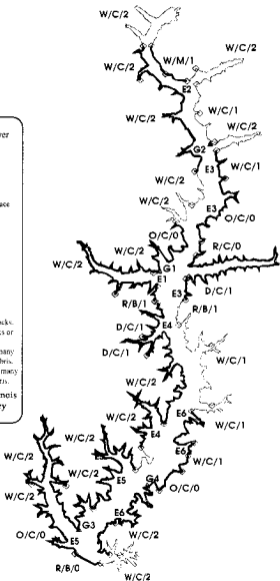
- M = Mud or silt
- C = Clay
- S = Sand
- G = Gravel
- B = Rock or boulder
- U = Unknown

### 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 7/17/89



# OTTER LAKE

County: MACOUPIN  
Latitude: 392432  
Longitude: 895433

IDOC Region: 4  
IDOC District: 12  
IDOC Lake Number: 182  
Storet Code: RD-A06-F  
IDOC Lake Class: PU  
Lake Origin: AA  
Natural Division: 7B

Surface Area (ha): 301.4  
Surface Area (acres): 723.4  
Mean Depth (m): 6.038  
Maximum Depth (m): 15.545  
Shore Length (km): 61.744  
Shoreline Dev. Index: 10.03

Year Constructed: 1968

Watershed Area (ha): 5257  
Storage Cap. (1000 m<sup>3</sup>): 18202.17  
Retention Time (yrs): 1.6  
Volume Dev. Index: 1.16

USGS 7.5' Quad: PALMYRA  
Major River Basin: ILLINOIS  
Inflowing Stream: WFK OTTER CR  
Outflowing Stream: OTTER CR>MACOUPIN CR>ILLINOIS

Maximum Length (km): 3.02  
Maximum Width (km): 6.84  
Inshore Mean Depth (m): 3.5  
Pool Elevation (m msl): 189.0

## Typical Water Chemistry:

Secchi Disk Depth (cm): 97  
Conductivity (umhos): 320  
Total Alkalinity (mg/l): 100  
pH: 8.5

## 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	
	Total Shoreline	Sampled by Electrofishing
D/C/1	5	2
O/C/0	5	5
R/C/0	6	6
R/B/0	3	3
R/B/1	1	1
W/C/2	69	50
W/C/1	10	3
W/M/1	1	

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

Bluegill  
Carp  
Channel Catfish  
Gizzard Shad  
Green Sunfish  
Hybrid Striped Bass  
Largemouth Bass  
Muskellunge  
White Crappie  
Yellow Bullhead