

# DIAMOND LAKE

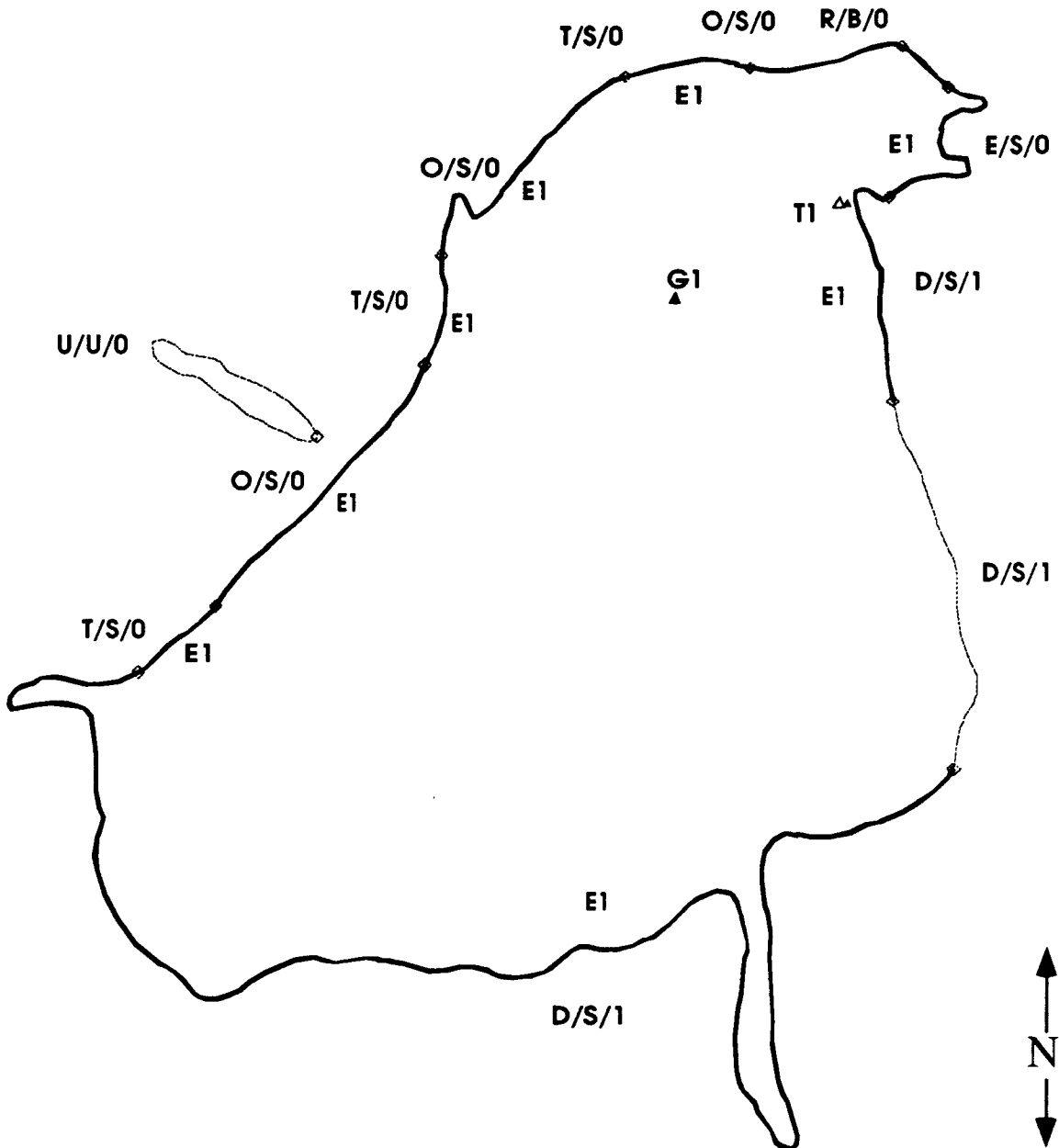


SCALE  
0 500ft

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



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## 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

# 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:

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

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

## Typical Water Chemistry:

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

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

## 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
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