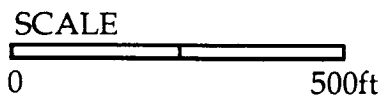
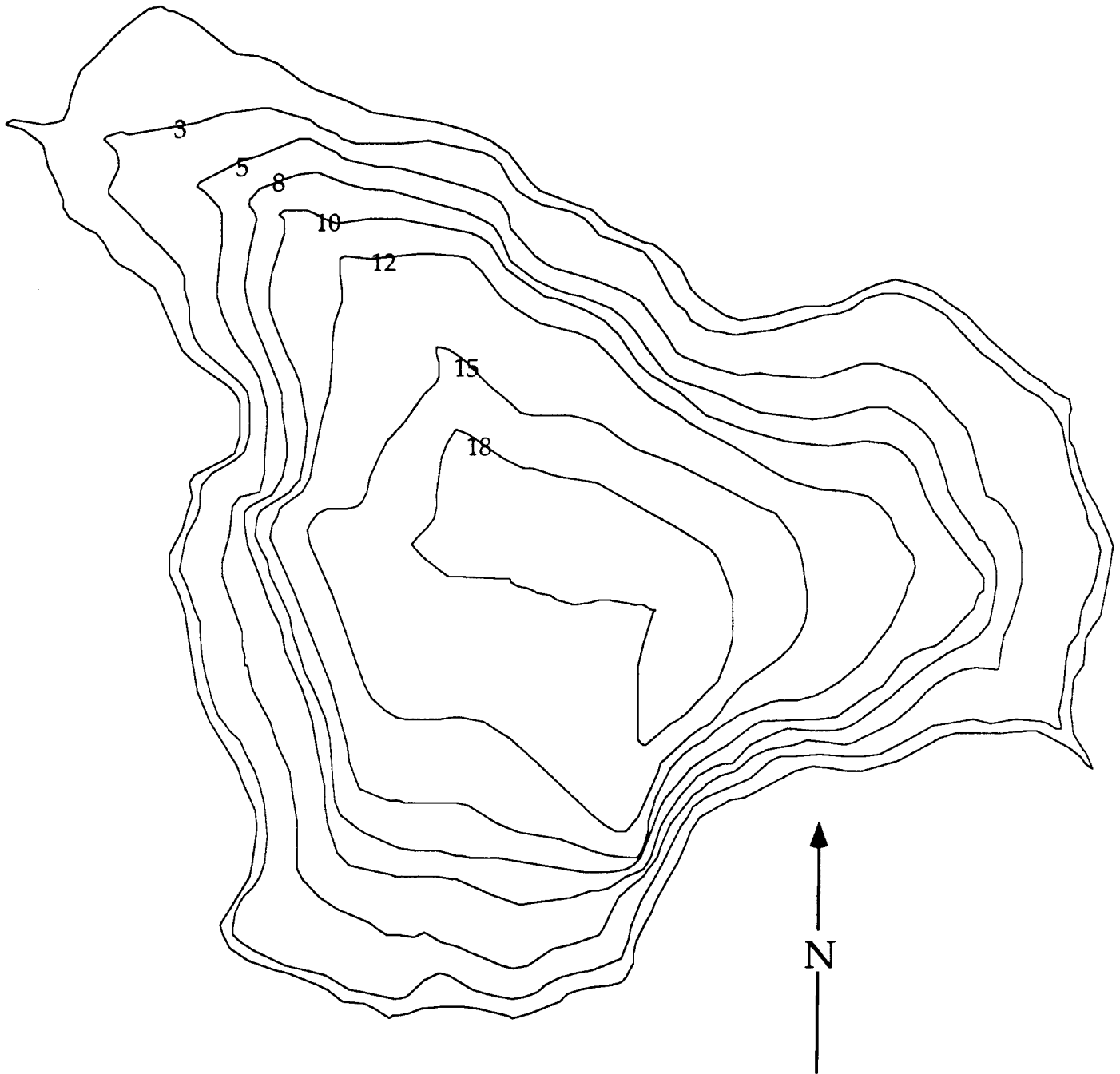
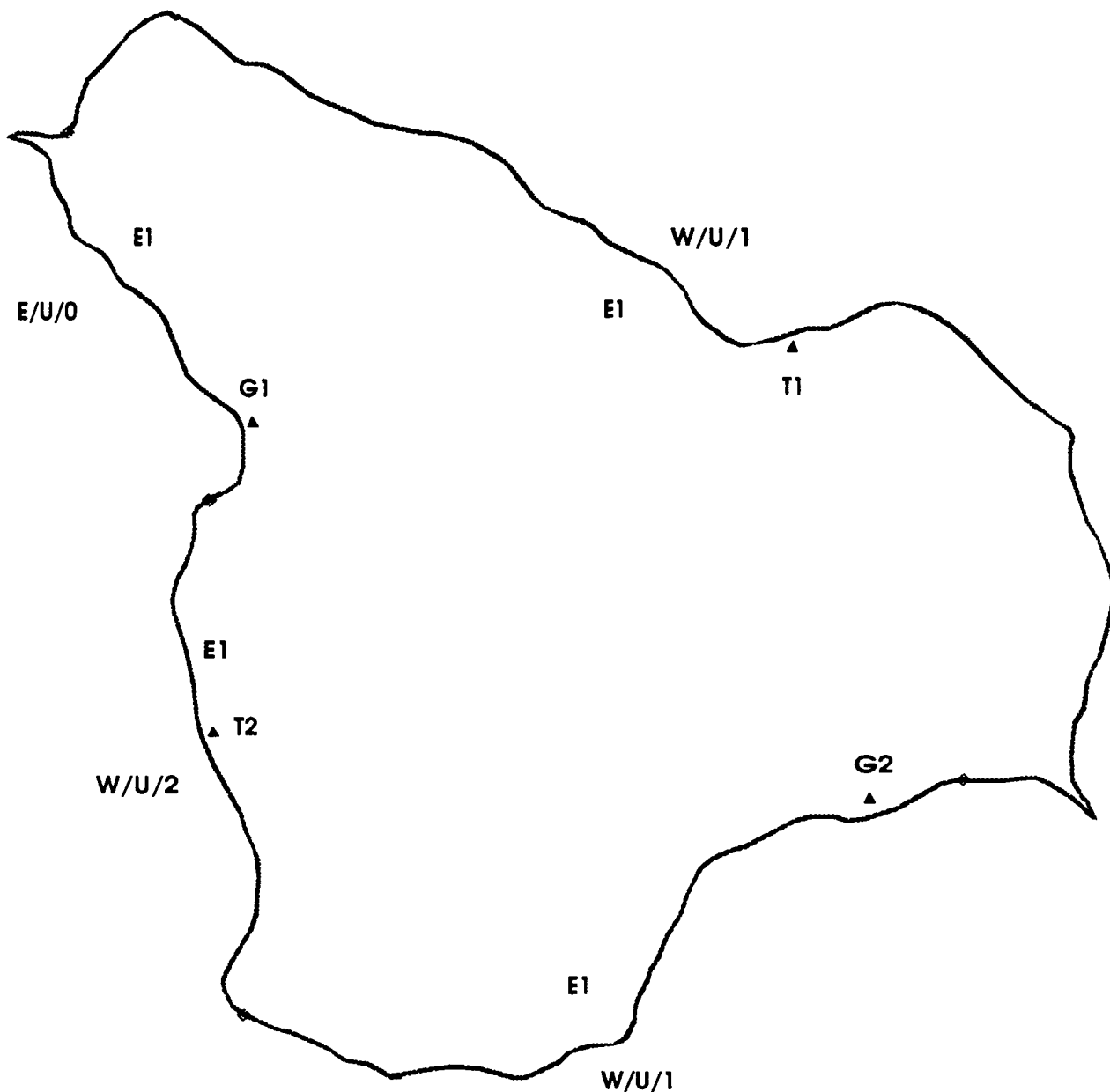


# DEFIANCE LAKE



Map Source: Illinois Natural History Survey  
Mapping Method: Transect, outline from ASCS  
aerial photo  
Date completed: 4/28/87

# DEFIANCE 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 10/29/86



# DEFIANCE LAKE

County: MCHENRY  
 Latitude: 421909  
 Longitude: 881332

Township: T44N  
 Range: R9E  
 Section: 6

IDOC Region: 2  
 IDOC District: 5  
 IDOC Lake Number: 67  
 Storet Code: RT-BO2-B  
 IDOC Lake Class: ST  
 Lake Origin: NG  
 Natural Division: 3A

Surface Area (ha): 19.0  
 Surface Area (acres): 45.5  
 Mean Depth (m): 2.89  
 Maximum Depth (m): 5.79  
 Shore Length (km): 2.04  
 Shoreline Dev. Index: 1.32

Year Constructed:

USGS 7.5' Quad: WAUCONDA  
 Major River Basin: FOX  
 Inflowing Stream: NONE  
 Outflowing Stream: INT TO MARSH

**Typical Water Chemistry:**

Secchi Disk Depth (cm): 168  
 Conductivity (umhos): 535  
 Total Alkalinity (mg/l): 237  
 pH: 8.1

Watershed Area (ha): 405  
 Storage Cap. (1000 m<sup>3</sup>): 548.84  
 Retention Time (yrs): 0.7  
 Volume Dev. Index: 1.49

Maximum Length (km): 0.58  
 Maximum Width (km): 0.59  
 Inshore Mean Depth (m): 1.6  
 Pool Elevation (m msl): 224.0

**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
E/U/0	14	14
W/U/1	71	71
W/U/2	15	15

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

Black Bullhead	Green Sunfish
Black Crappie	Lake Chubsucker
Bluegill	Largemouth Bass
Bluegill X Pumpkinseed	Longnose Gar
Bowfin	Northern Pike
Brook Silverside	Pumpkinseed
Carp	Warmouth
Central Mudminnow	White Crappie
Channel Catfish	Yellow Perch
Fathead Minnow	
Golden Shiner	
Grass Pickerel	