

LAKE LE-AQUA-NA



SCALE



Map Source: Illinois State Water Survey
Mapping Method: Transect, outline origin unknown
Date completed: 1986

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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

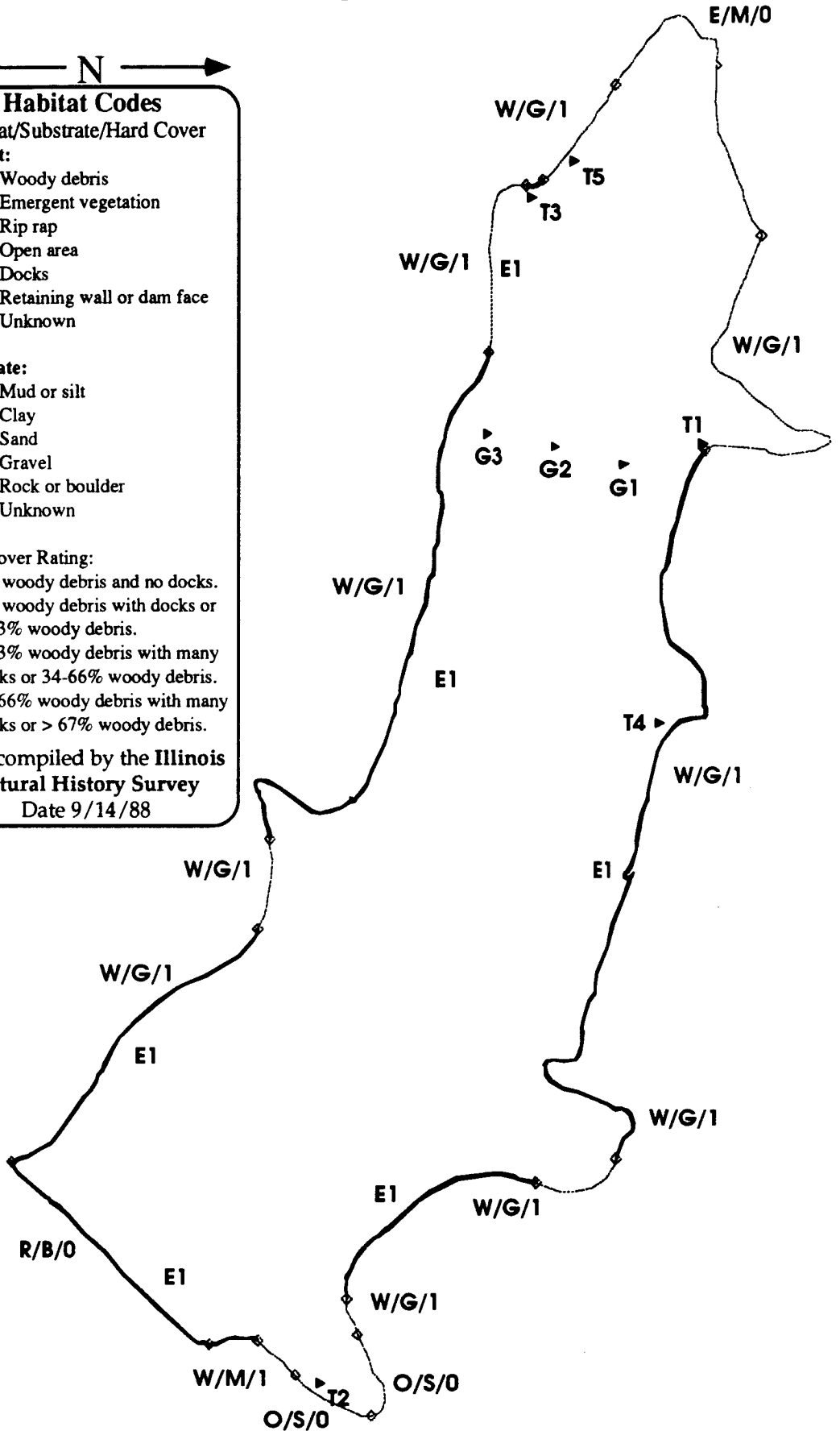
Substrate:

- 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 9/14/88



LAKE LE-AQUA-NA

County: STEPHENSON
Latitude: 422508
Longitude: 894944

Township: T28N
Range: R6E
Section: 16,17

IDOC Region: 1
IDOC District: 1
IDOC Lake Number: 3
Storet Code: RP-A06-A
IDOC Lake Class: ST
Lake Origin: AA
Natural Division: 2A

Surface Area (ha): 17.3
Surface Area (acres): 41.5
Mean Depth (m): 3.19
Maximum Depth (m): 6.71
Shore Length (km): 2.66
Shoreline Dev. Index: 1.8

Year Constructed: 1955

USGS 7.5' Quad: LENA
Major River Basin: ROCK
Inflowing Stream: WADDAMS CR
Outflowing Stream: SAME>PECATONICA R>ROCK>MISS R

Watershed Area (ha): 1012
Storage Cap. (1000 m³): 552.41
Retention Time (yrs): 0.3
Volume Dev. Index: 1.43

Typical Water Chemistry:

Secchi Disk Depth (cm): 54
Conductivity (umhos): 467
Total Alkalinity (mg/l): 215
pH: 7.9

Maximum Length (km): 0.55
Maximum Width (km): 0.91
Inshore Mean Depth (m): 1.6
Pool Elevation (m msl): 262.1

Climatic Information:

Growing Season (days): 157
Growing Deg. Days (50°F base): 2748

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/M/0	9	
O/S/0	5	
R/B/0	7	19
W/G/1	77	53
W/M/1	3	1

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

Black Bullhead
Black Crappie
Bluegill
Brook Silverside
Carp
Channel Catfish
Golden Shiner
Largemouth Bass
Northern Pike
Redear Sunfish
Walleye
Warmouth