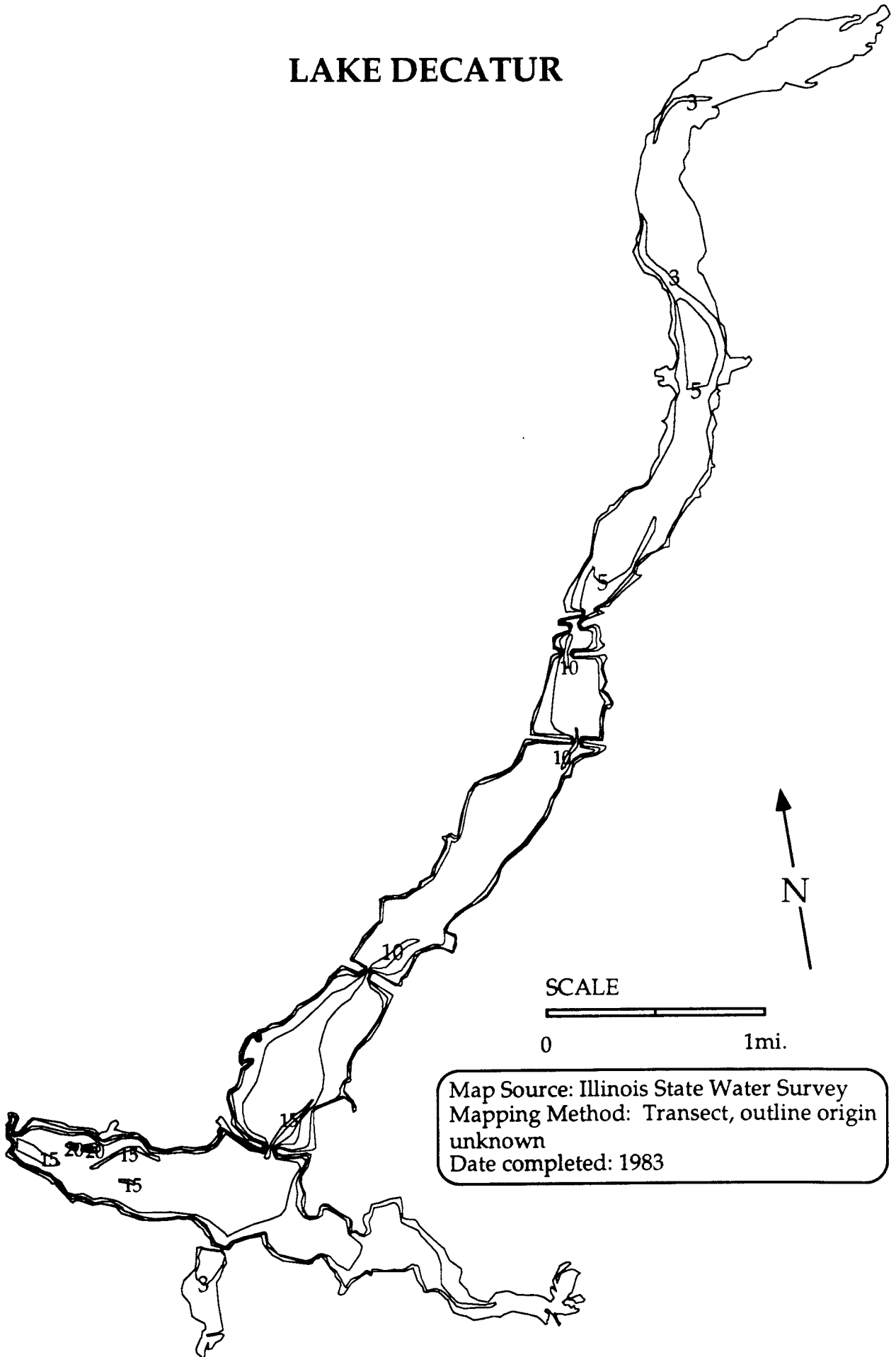
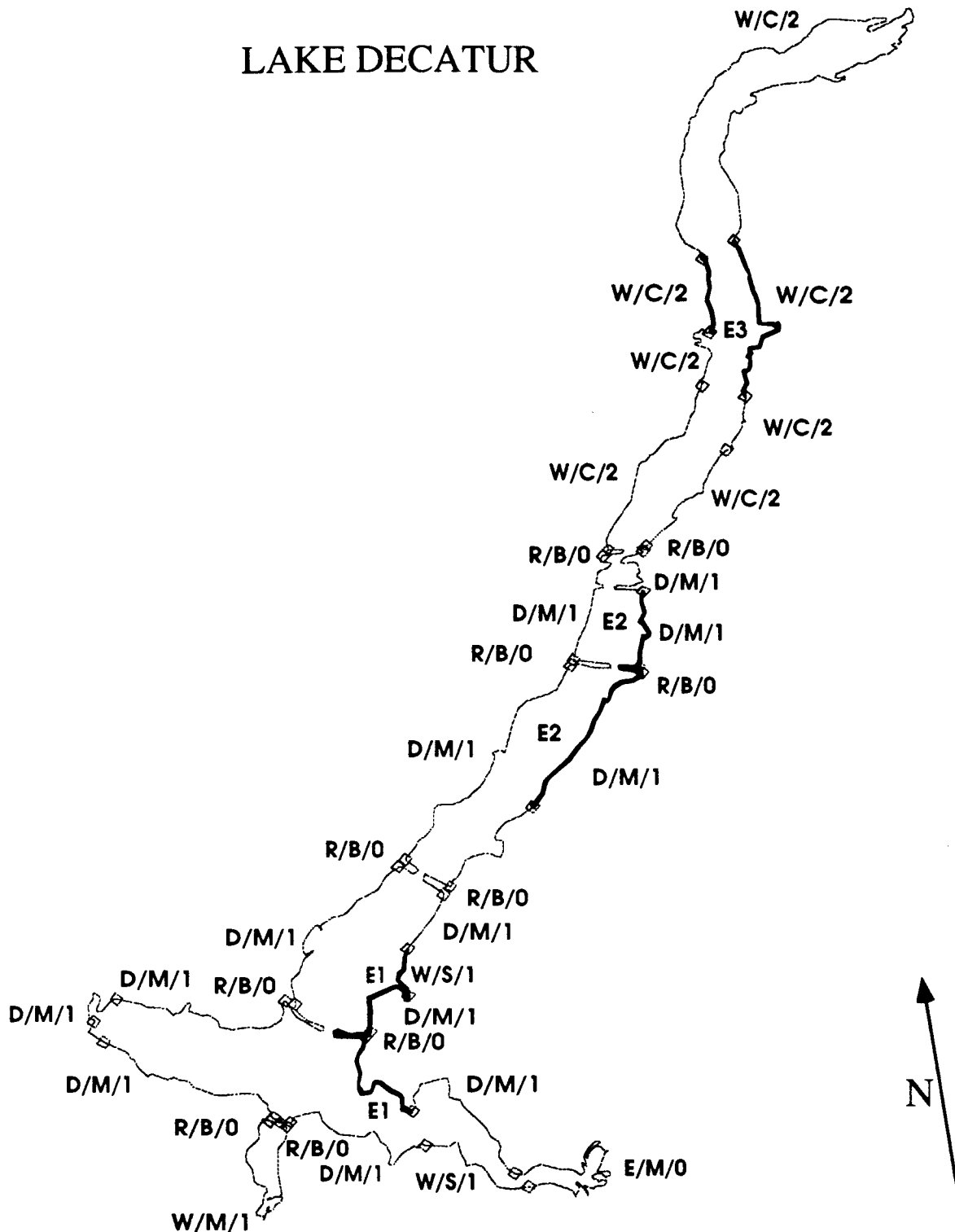


LAKE DECATUR



Map Source: Illinois State Water Survey
Mapping Method: Transect, outline origin unknown
Date completed: 1983

LAKE DECATUR



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 7/11/85

LAKE DECATUR

County: MACON
 Latitude: 395228
 Longitude: 885159

IDOC Region: 3
 IDOC District: 9
 IDOC Lake Number: 130
 Storet Code: RE-B02-A
 IDOC Lake Class: PU
 Lake Origin: AA
 Natural Division: 4A

Surface Area (ha): 1210.5
 Surface Area (acres): 2905.1
 Mean Depth (m): 1.826
 Maximum Depth (m): 6.706
 Shore Length (km): 60.79
 Shoreline Dev. Index: 4.92

Year Constructed: 1922

USGS 7.5' Quad: DECATUR
 Major River Basin: SANGAMON
 Inflowing Stream: SANGAMON R
 Outflowing Stream: SANGAMON R>IL R

Watershed Area (ha): 234645
 Storage Cap. (1000 m³): 22136.93
 Retention Time (yrs): 0.1
 Volume Dev. Index: 0.82

Typical Water Chemistry:

Secchi Disk Depth (cm): 34
 Conductivity (umhos): 5569
 Total Alkalinity (mg/l): 208
 pH: 8.0

Maximum Length (km): 10.74
 Maximum Width (km): 12.61
 Inshore Mean Depth (m): 0.7
 Pool Elevation (m msl): 186.8

Climatic Information:

Growing Season (days): 182
 Growing Deg. Days (50°F base): 3656

Habitat Description as a Proportion of Total Shoreline and Shoreline Sampled by Electrofishing

<u>Habitat Type</u>	<u>Percent of Total Shoreline</u>	<u>Percent of Total Shoreline Sampled by Electrofishing</u>
D/M/1	42	9
E/M/0	7	
R/B/0	10	2
T/S/0	1	
W/C/2	31	5
W/S/1	3	1
W/M/1	5	

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

Bigmouth Buffalo	Golden Redhorse
Black Buffalo	Golden Shiner
Black Crappie	Green Sunfish
Blackstripe Topminnow	Green Sunfish X Bluegill
Bluegill	Largemouth Bass
Brook Silverside	Logperch
Carp	Orangespotted Sunfish
Channel Catfish	Shorthead Redhorse
Fathead Minnow	Smallmouth Bass
Flathead Catfish	Smallmouth Buffalo
Freshwater Drum	Walleye
Gizzard Shad	White Bass

White Crappie
 Yellow Bullhead