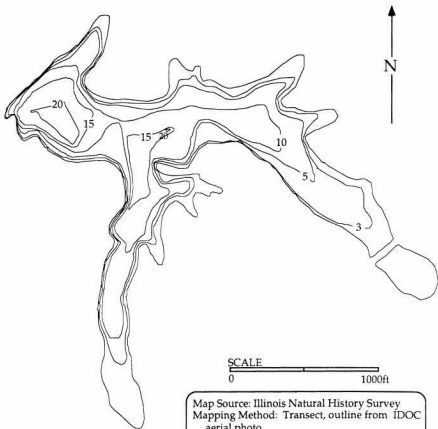


RED HILL LAKE

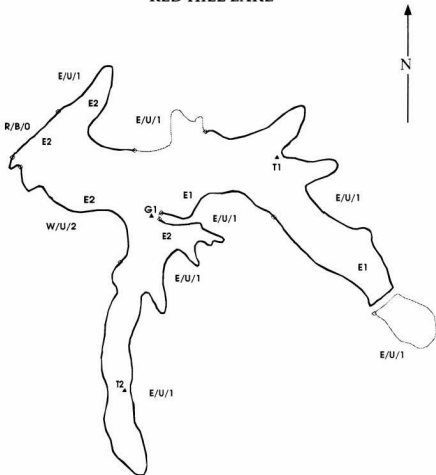


SCALE

0 1000ft

Map Source: Illinois Natural History Survey
Mapping Method: Transect, outline from IDOC
aerial photo
Date completed: 6/12/87

RED HILL 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

RED HILLS

County: LAWRENCE
Latitude: 384339
Longitude: 874954

IDOC Region: 5
IDOC District: 15
IDOC Lake Number: 223
Store Code:
IDOC Lake Class: 5T
Lake Origin: AA
Natural Division: 9A

Surface Area (ha): 16.9
Surface Area (acres): 40.6
Mean Depth (m): 2.15
Maximum Depth (m): 7.32
Shore Length (km): 4.47
Shoreline Dev. Index: 3.06

Year Constructed: 1953

Watershed Area (ha): 397
Storage Cap. (1000 m³): 363.67
Retention Time (yrs): 0.3
Volume Dev. Index: 0.88

USGS 7.5' Quad: SUMNER
Major River Basin: WABASH

Inflowing Stream: INT

Outflowing Stream: SAME>MUDDY CR>EMB>WABASH>OHIO

Maximum Length (km): 0.85
Maximum Width (km): 0.87
Inshore Mean Depth (m): 1.41
Pool Elevation (m msl): 151.8

Typical Water Chemistry:

Secchi Disk Depth (cm): 103
Conductivity (umhos): 355
Total Alkalinity (mg/l): 49
pH: 9.8

Climatic Information:

Growing Season (days): 199
Growing Deg. Days (50°F base): 3972

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/1	88	73
R/B/0	3	3
W/U/2	9	9

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

Black Bullhead
Black Crappie
Bluegill
Carp
Channel Catfish
Golden Shiner
Grass Pickerel
Green Sunfish
Largemouth Bass
Redear Sunfish
Warmouth
White Crappie
Yellow Bullhead