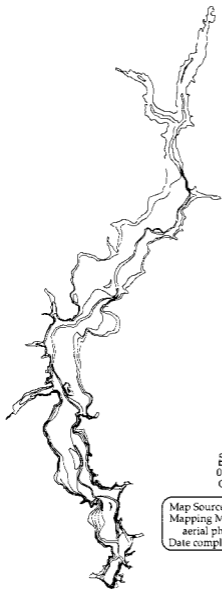


LOU YAEGER LAKE



SCALE

0 1.0mi

CONTOUR INTERVAL 5ft

Map Source: Illinois Natural History Survey
Mapping Method: Transect, outline from ASCS
aerial photo
Date completed: 11/89

LOU YAEGER LAKE

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:

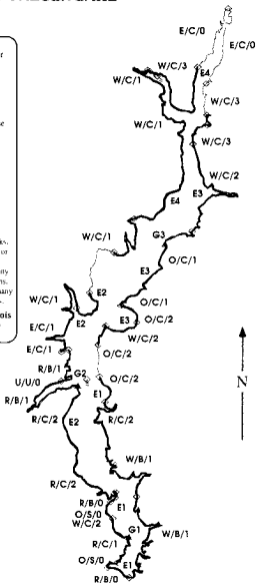
- M = Mud or silt
- C = Clay
- S = Sand
- G = Gravel
- B = Rock or boulder
- U = Unknown

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 11/28/89



LOU YEAGER

County: MONTGOMERY
Latitude: 391404
Longitude: 893543

Township: T9N
Range: R5W
Section: 36

Year Constructed: 1964

USGS 7.5' Quad: BUTLER
Major River Basin: KASKASKIA
Inflowing Stream: W. FK. SHOAL CREEK
Outflowing Stream: W. FK SHOAL CREEK>SHOAL CREEK>KASKAKIA R

Typical Water Chemistry:
Secchi Disk Depth (cm): 49
Conductivity (μ mhos): 391
Total Alkalinity (mg/l): 132
pH: 8.3

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/C/1	4	2
E/C/0	8	
O/C/0	1	1
O/S/0	1	1
R/C/1	5	5
R/B/1	14	14
R/B/0	1	1
U/U/0	1	
W/S/1	3	3
W/C/2	9	9
W/C/3	4	2
W/B/1	12	12
W/C/1	38	34

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

Black Bullhead	Largemouth Bass
Bluegill	Longear Sunfish
Carp	River Carpsucker
Channel Catfish	White Bass
Cizzard Shad	White Crappie
Green Sunfish	Yellow Bullhead

IDOC Region: 4
IDOC District: 12
IDOC Lake Number: 4607
STORET Code: RO-A03-N
IDOC Lake Class: PU
Lake Origin:
Natural Division: 9A

Surface Area (ha): 540.2
Surface Area (acres): 1303.6
Mean Depth (m): 3.02
Maximum Depth (m): 9.45
Shore Length (km): 40.2
Shoreline Dev. Index: 4.87

Watershed Area (ha): 29785
Storage Cap. (1000 m³): 16330.4
Retention Time (yrs): 0.2
Volume Dev. Index: 0.95

Maximum Length (km): 3.56
Maximum Width (km): 9.76
Inshore Mean Depth (m):
Pool Elevation (m msl): 180.4

Climatic Information:
Growing Season (days): 183
Growing Deg. Days (50°F base): 3855