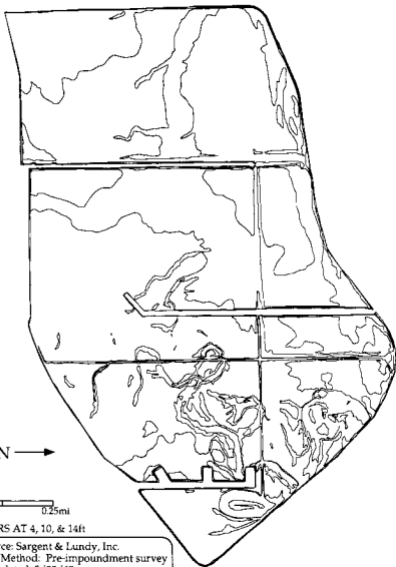
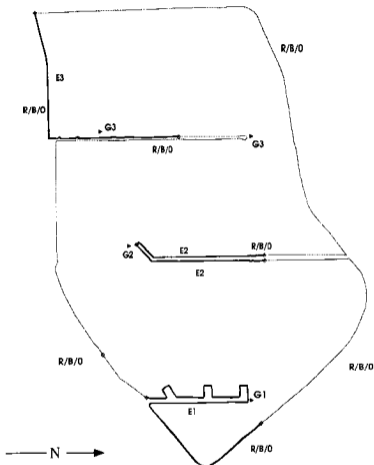


POWERTON LAKE



POWERTON 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

Substrates:

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

POWERTON LAKE

County: TAZWELL
 Latitude: 403230
 Longitude: 894230

IDOC Region: 1
 IDOC District: 4
 IDOC Lake Number: 39
 Store Code:
 IDOC Lake Class: 5T
 Lake Origin: AD
 Natural Division: 5A

Surface Area (ha): 537.3
 Surface Area (acres): 1289.4
 Mean Depth (m): 3.15
 Maximum Depth (m): 4.57
 Shore Length (km): 17.53
 Shoreline Dev. Index: 2.13

Year Constructed: 1971

USGS 7.5' Quad: PEKIN
 Major River Basin: ILLINOIS
 Inflowing Stream: NONE
 Outflowing Stream: PUMPED TO ILL R

Watershed Area (ha): 551
 Storage Cap. (1000 m³): 16903.91
 Retention Time (yrs): N/A
 Volume Dev. Index: 2.06

Typical Water Chemistry:

Secchi Disk Depth (cm): 75
 Conductivity (umhos): 795
 Total Alkalinity (mg/l): 230
 pH:

Maximum Length (km): 3.326
 Maximum Width (km): 2.458
 Inshore Mean Depth (m): 3.9
 Pool Elevation (m msl): 132.6

Climatic Information:

Growing Season (days): 180
 Growing Deg. Days (50°F base): 3551

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

Habitat Type	Percent of Total Shoreline	
	Total Shoreline	Sampled by Electrofishing
R/B/O	100	40

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

Bigmouth Buffalo	Hybrid Striped Bass	Threadfin Shad
Black Bullhead	Largemouth Bass	Walleye
Black Crappie	Logperch	White Bass
Bluegill	Orangespotted Sunfish	Yellow Bullhead
Carp	River Carpsucker	
Channel Catfish	River Shiner	
Emerald Shiner	Sauger	
Freshwater Drum	Skipjack Herring	
Glizzard Shad	Smallmouth Bass	
Golden Shiner	Smallmouth Buffalo	
Green Sunfish	Spottin Shiner	
Green Sunfish X Bluegill	Spottail Shiner	