



# ANDERSON LAKE CONSERVATION AREA Lake Depth Map

Office of Water Resources  
July 28, 2010



### CARLSON LAKE

Planimetric Area: 253.3 acres  
Regulated Shoreline: 11.8 miles  
Mean Pool Elevation During Survey: 440.2 feet  
Lake Volume: 191.3 acre feet  
Maximum Depth: 10.7  
Mean Depth: 0.7 feet

#### AREA AND VOLUME BY WATER ELEVATION

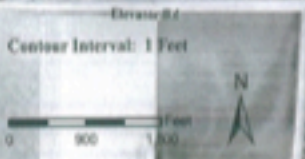
Water Elevation (feet)	Area (acres)	Area (acres)	Volume (acre feet)	Volume (acre feet)
440	1198750	2113	1113750	107.3
439	1117360	2134	1036660	106.2
438	1112640	2184	1020990	110.3
437	1114250	2283	1020090	117.3
436	1149110	2383	1015590	124.3
435	1194360	2483	1021090	131.3
434	1251190	2584	1115590	138.3
433	1322510	2683	1224590	145.3
432	1409220	2783	1349190	152.3
431	1512000	2884	1490190	159.3

### ANDERSON LAKE

Planimetric Area: 1338.3 acres  
Length of Shoreline: 4.3 miles  
Mean Pool Elevation During Survey: 440.7 feet  
Lake Volume: 1312.4 acre feet  
Maximum Depth: 15.7  
Mean Depth: 1.0 feet

#### AREA AND VOLUME BY WATER ELEVATION

Water Elevation (feet)	Area (acres)	Area (acres)	Volume (acre feet)	Volume (acre feet)
440	981610	1113	1040110	101.3
439	1787100	1152	1160000	111.3
438	1994000	1187	1192540	117.3
437	2511300	1223	1526190	123.3
436	2753570	1273	1630100	130.3
435	3047940	1323	1760160	137.3
434	3394990	1373	1917590	144.3
433	3794740	1423	2104190	151.3
432	4247000	1473	2320190	158.3
431	4752000	1523	2566190	165.3



The bathymetric surveys of Anderson and Carlson Lakes were collected by the Office of Water Resources from June 9-17, 2010. The survey was collected in the Illinois State Plane Coordinate System-West Zone using NAVD83 vertical datum and NAD83(1997 adjustment) horizontal datum.