

Bayles Lake Fun Facts

Quarterly dues assessments are mailed to 263 BLHOA homeowners for 269 pieces of property at Bayles Lake.

Our drinking water comes from the Mahomet Aquifer. Our east and west well houses tap into this aquifer about 210 feet below the ground surface. Water obtained from these two drift wells is chlorinated and fluoridated at each well site. Water from the wells passes to two hydro-pneumatic storage tanks with a total volume of 20,000 gallons.

- In 2011 we pumped about 11,800,000 gallons of water, averaging about 32,000 gallons per day.
- July 6-August 1, was our highest usage period, pumping about 78,400 gallons of water.
- Estimating Bayles Lake population at 500 people, each person used about 64.4 gallons per day.

Total acreage (land, lakes, parks/green space, homes, roads, etc) is 336.40 acres, 267.77 north of County Road 200 and 68.63 south of County Road 200.

We have 128.11 acres of water. Iroquois County Assessor's Office indicates we have 130.94 acres of water, a difference of 2.83 acres.

We have 18 named parks at Bayles Lake.

We maintain 53.08 acres of parks and additional green space areas at Bayles Lake.

We have 6.16 miles of shoreline...4.73 miles on the north lake and 1.43 miles on the south lake.

We maintain 5.10 miles of paved roads.

The Bayles Lake Natural Habitat Area consists of approximately 1,710 feet of the south shoreline of the south lake.

Bayles Lake watershed consists of approximately 6,938 acres...4,725 acres are located in Iroquois County and 2,213 acres are located in Ford County.

Spring Creek begins southeast of the Village of Loda. The Spring Creek basin and drainage area is the footprint that engineers and developers used for the creation of Bayles Lake in the late 1940's.

The Spring Creek / Bayles Lake Watershed is under the jurisdiction of US Army Corp of Engineers – Rock Island District because Spring Creek flows to the Iroquois River, which flows to the Kankakee River, which flows to the Illinois River.

1 inch of rain falling on 1 acre equals approximately 27,000 gallons of water.

1 inch of rain falling on 1 acre weighs approximately 226,512 pounds or about 113 tons.

When Bayles Lake is full we have approximately 417,089,790 gallons of water.

Our yearly average rainfall is 36.4 inches.

Our yearly average snowfall is 21.5 inches, 10 inches of snow equals about 1 inch of water

To figure out the number of gallons of water in Bayles Lake: 1 surface acre of water 1 foot in depth holds 325851.4 gallons of water

If the lake is 10' in depth on average, you would multiply 325851.4 X 10' depth = 3,258,514 gallons in 1 surface acre of water 10' deep.

Take this figure and multiply it by the lake acreage of 128 = 417,089,790 GALLONS OF WATER IN BAYLES LAKE