



DIAMOND LAKE

FISHERIES STATUS SUMMARY

LOCATION – Located in northeastern Illinois, within the Village of Mundelein, IL in Lake County.

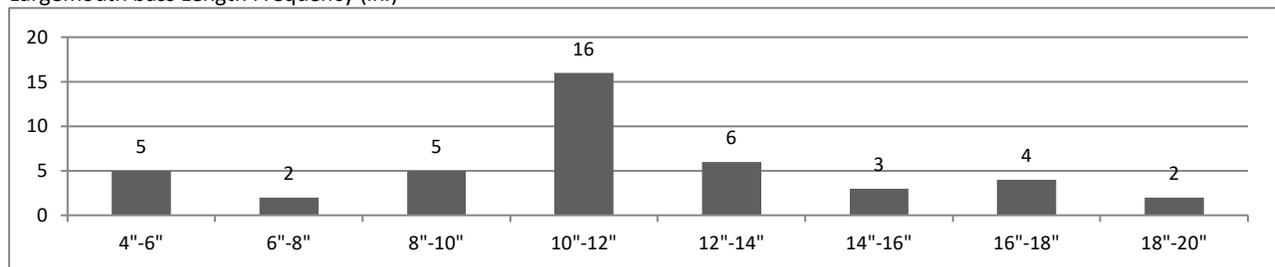
DESCRIPTION – Diamond Lake is a glacial origin lake, the majority of the lake bottom is owned by the Mundelein Park District which it acquired in the late 1960’s. Water exits the lake in the southeastern portion of the lake via a spillway which flows underground until it connects to Indian Creek. Diamond Lake is 153 acres; shoreline length 5.9 miles; watershed 686 acres (5 to 1); maximum depth 23 feet; average depth 7.6 feet. There are several ramps around the lake but only one open to the public (fee required). It is a single, concrete boat ramp on the south east end of the lake near the beach. No fishing boat rentals are available; a private bait shop is located 1 mile south of the ramp. No fish cleaning facilities are available.

MANAGEMENT ACTIVITIES: Occasional fish surveys are conducted to evaluate stocking success and changes in the fishery. Herbicides are occasionally applied in high use areas to maintain recreational boat access because the shoreline is generally shallow and Eurasian watermilfoil is present in the system.

STATUS OF THE SPORT FISHERY – Diamond Lake receives annual stockings of 8” to 10” Channel Catfish, 10” Northern Pike, and occasional stockings of 12” muskie (beginning in 2013). Below is a brief description of catchable game species in this water body.

LARGEMOUTH BASS – In 2021, 48 bass were collected in 50 minutes of DC electrofishing. Fish measured 3.7” to 20.1”, and weighed up to 4.7 lbs., 43% were over 12” long, 24% were over 14” long, and 19% were over 15” long. This size structure allows for quality angling opportunities and should create better pan fishing in the future.

Largemouth bass Length Frequency (in.)



BLUEGILL – In 2021, 74 Bluegill were captured in 50 minutes of DC electrofishing. They ranged from 2.7” to 7.4”, 78% were longer than 6” and 12% were over 7” long. The expanding bass population and increasing muskie predation should help boost the size of panfish in Diamond Lake in the coming years.

BLACK CRAPPIE – 4 Black Crappie were collected. Fish ranged from 8.4” to 9.5” long. Fishermen often keep crappie at least 9” long so there is a harvestable fishery present. Like bluegill, added predation should help “grow” the crappie population in the future.

CHANNEL CATFISH – Annual stockings of 8” to 10” channel catfish maintains their presence and although we collected several fish up to 23” long, weighing up to 5 lbs., larger fish are present in the lake and provide anglers with both sport and table fare. During this survey we collected 3 channel catfish ranging from 18.7” to 26.9”.

Catch Summary

(50 minutes DC electrofishing)					
Species	Number	Relative Abundance (%)	Minimum (inches)	Average (inches)	Maximum (inches)
BLUEGILL	74	44.8	2.7	6.1	7.4
LARGEMOUTH BASS	48	29.1	3.7	10.7	20.1
YELLOW BASS	18	10.9	6.3	7.3	8.2
COMMON CARP	6	3.6	17.8	20.0	20.7
BLACK CRAPPIE	4	2.4	8.5	8.8	9.5
GOLDEN SHINER	3	1.8	4.0	5.5	6.8
CHANNEL CATFISH	3	1.8	18.7	22.4	26.9
BLUNTNOSE MINNOW	2	1.2	2.4	2.6	2.8
GREEN SUNFISH	2	1.2	4.1	4.6	5.1
MUSKELLUNGE	2	1.2	35.1	38.0	41.0
NORTHERN PIKE	1	0.6		23.9	
PUMPKINSEED SUNFISH	1	0.6		6.9	
BLUEGILL HYBRID	1	0.6		5.7	
SPECIES = 13	TOTAL =	165	100.0		

ADDITIONAL FISH SPECIES: We collected 13 fish species in this mid-sized glacial lake. Additional fish species include but may not have been collected: yellow perch, gizzard shad, white sucker.

FISHING REGULATIONS – Statewide fishing regulations apply at this lake (see current Illinois Fishing Information booklet and IFISHILLINOIS website: <http://www.ifishillinois.org/> for specific details).

Additional Site Specific fishing regulations:

All fish species - Two pole and line fishing only.
Channel Catfish – 6 fish daily creel limit.
Largemouth Bass – 15” minimum length limit ; 3 fish daily creel limit.
Northern pike – 24” minimum length limit, 3 fish daily creel limit.
Muskie - 36” minimum length limit, 1 fish daily creel limit.

CONTACT INFORMATION – Mundelein Park District: 847-566-0650.
IDNR Fisheries Biologist: 815-675-2386.

Diamond Lake Map

